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Laboratory Report Number: L11031030

Client: Mary Lou Rochette, 156 Starlite Drive, Marietta, OH, 45750

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

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Annie Brown	*Client Services Specialist*	Annie.Brown@microbac.com

This report was reviewed on April 05, 2011.

Stephanie Mossburg - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the DoD QSM and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, DoD ELAP certification number 2936.01. The reported results are related only to the samples analyzed as received.

This report was certified on April 05, 2011.

David Vandenberg - Managing Director

State of origin: Virginia
Accrediting authority: N/A ID:N/A
QAPP: DOD Ver 4.1
This report contains a total of 1539 pages.

Look closer. Go further. Do more.

Microbac REPORT L11031030
PREPARED FOR Kemron Environmental Services
WORK ID:

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1.0 Introduction

LABORATORY REPORT

L11031030

04/05/11 16:08

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Marv Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
SWMU-57-32911-SS-7'-SW-5	L11031030-01	03/29/2011 12:00	03/31/2011
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	03/29/2011 13:00	03/31/2011
SWMU-57-33011-SS-FC-20'-NUM3E	L11031030-03	03/30/2011 15:50	03/31/2011
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	03/30/2011 16:25	03/31/2011

L1_A_PROD_COVER - Modified 02/06/2008
PDF File ID: 1961040
Report generated: 04/05/2011 16:08

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number: **L11031030-01**
Client ID: **SWMU-57-32911-SS-7'-SW-5**
Matrix: **Soil**
Workgroup Number: **WG360505**
Collect Date: **03/29/2011 12:00**
Sample Tag: **01**
PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**
Instrument: **ICP-THERMO2**
Prep Date: **03/31/2011 12:03**
Cal Date: **03/31/2011 09:58**
Run Date: **03/31/2011 18:50**
File ID: **T2.033111.185049**
Percent Solid: **81.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	13000		18.1	9.07
Iron, Total	7439-89-6	28900	B	2.72	1.36
Manganese, Total	7439-96-5	181		0.453	0.227

B The reported result is associated with a contaminated method blank.

Sample Number: **L11031030-01**
Client ID: **SWMU-57-32911-SS-7'-SW-5**
Matrix: **Soil**
Workgroup Number: **WG360505**
Collect Date: **03/29/2011 12:00**
Sample Tag: **02**
PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**
Instrument: **ICP-THERMO2**
Prep Date: **03/31/2011 12:03**
Cal Date: **04/01/2011 10:54**
Run Date: **04/01/2011 11:25**
File ID: **T2.040111.112533**
Percent Solid: **81.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.907	0.453

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11031030-01**
Client ID: **SWMU-57-32911-SS-7'-SW-5**
Matrix: **Soil**
Workgroup Number: **WG360516**
Collect Date: **03/29/2011 12:00**
Sample Tag: **DL01**
PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **EDL**
Dilution: **5**
Units: **mg/kg**
Instrument: **ELAN-ICP**
Prep Date: **03/31/2011 12:24**
Cal Date: **03/31/2011 10:22**
Run Date: **03/31/2011 18:28**
File ID: **EL.033111.182807**
Percent Solid: **81.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.588	0.294
Chromium, Total	7440-47-3	8.05		2.35	1.18

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11031030-01**
Client ID: **SWMU-57-32911-SS-7'-SW-5**
Matrix: **Soil**
Workgroup Number: **WG360529**
Collect Date: **03/29/2011 12:00**
Sample Tag: **01**
PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**
Instrument: **BAL001**
Prep Date: **04/01/2011 09:34**
Cal Date:
Run Date: **04/01/2011 09:34**
File ID: **B1.360529-0106**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	81.6		1.00	1.00

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number: **L11031030-02** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU57-32911-SS-13'-FC-NU** | Prep Method: **3051A** | Prep Date: **03/31/2011 12:03**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **03/31/2011 09:58**
Workgroup Number: **WG360505** | Analyst: **PDM** | Run Date: **03/31/2011 18:54**
Collect Date: **03/29/2011 13:00** | Dilution: **1** | File ID: **T2.033111.185422**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11100		19.7	9.87
Iron, Total	7439-89-6	25200	B	2.96	1.48
Manganese, Total	7439-96-5	285		0.493	0.247

B The reported result is associated with a contaminated method blank.

Sample Number: **L11031030-02** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU57-32911-SS-13'-FC-NU** | Prep Method: **3051A** | Prep Date: **03/31/2011 12:03**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/01/2011 10:54**
Workgroup Number: **WG360505** | Analyst: **JYH** | Run Date: **04/01/2011 11:32**
Collect Date: **03/29/2011 13:00** | Dilution: **1** | File ID: **T2.040111.113245**
Sample Tag: **02** | Units: **mg/kg** | Percent Solid: **75.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.987	0.493

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11031030-02** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU57-32911-SS-13'-FC-NU** | Prep Method: **3051A** | Prep Date: **03/31/2011 12:24**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **03/31/2011 10:22**
Workgroup Number: **WG360516** | Analyst: **EDL** | Run Date: **03/31/2011 18:35**
Collect Date: **03/29/2011 13:00** | Dilution: **5** | File ID: **EL.033111.183515**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.654	0.327
Chromium, Total	7440-47-3	14.4		2.62	1.31

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11031030-02** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU57-32911-SS-13'-FC-NU** | Prep Method: **D2216-90** | Prep Date: **04/01/2011 09:34**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360529** | Analyst: **JDH** | Run Date: **04/01/2011 09:34**
Collect Date: **03/29/2011 13:00** | Dilution: **1** | File ID: **B1.360529-0107**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.6		1.00	1.00

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number: **L11031030-03** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-33011-SS-FC-20'-NI** | Prep Method: **3051A** | Prep Date: **03/31/2011 12:03**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **03/31/2011 09:58**
Workgroup Number: **WG360505** | Analyst: **PDM** | Run Date: **03/31/2011 18:57**
Collect Date: **03/30/2011 15:50** | Dilution: **1** | File ID: **T2.033111.185754**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **79.1**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Iron, Total	7439-89-6	16800	B	2.79	1.40

B The reported result is associated with a contaminated method blank.

Sample Number: **L11031030-03** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-33011-SS-FC-20'-NI** | Prep Method: **D2216-90** | Prep Date: **04/01/2011 09:34**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360529** | Analyst: **JDH** | Run Date: **04/01/2011 09:34**
Collect Date: **03/30/2011 15:50** | Dilution: **1** | File ID: **B1.360529-0108**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	79.1		1.00	1.00

Sample Number: **L11031030-04** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-33011-SS-FC-14'-NI** | Prep Method: **3051A** | Prep Date: **03/31/2011 12:03**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **03/31/2011 09:58**
Workgroup Number: **WG360505** | Analyst: **PDM** | Run Date: **03/31/2011 19:01**
Collect Date: **03/30/2011 16:25** | Dilution: **1** | File ID: **T2.033111.190130**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **81.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	10800		18.5	9.27
Iron, Total	7439-89-6	38200	B	2.78	1.39
Manganese, Total	7439-96-5	142		0.464	0.232

B The reported result is associated with a contaminated method blank.

Sample Number: **L11031030-04** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-33011-SS-FC-14'-NI** | Prep Method: **3051A** | Prep Date: **03/31/2011 12:03**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/01/2011 10:54**
Workgroup Number: **WG360505** | Analyst: **JYH** | Run Date: **04/01/2011 11:40**
Collect Date: **03/30/2011 16:25** | Dilution: **1** | File ID: **T2.040111.114001**
Sample Tag: **02** | Units: **mg/kg** | Percent Solid: **81.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.927	0.464

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	**L11031030-04**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-33011-SS-FC-14'-NI**	Prep Method:	**3051A**	Prep Date:	**03/31/2011 12:24**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**03/31/2011 10:22**
Workgroup Number:	**WG360516**	Analyst:	**EDL**	Run Date:	**03/31/2011 18:42**
Collect Date:	**03/30/2011 16:25**	Dilution:	**5**	File ID:	**EL.033111.184223**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**81.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**		**U**	**0.615**	**0.308**
Chromium, Total	**7440-47-3**	**10.8**		**2.46**	**1.23**

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number:	**L11031030-04**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-33011-SS-FC-14'-NI**	Prep Method:	**D2216-90**	Prep Date:	**04/01/2011 09:34**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360529**	Analyst:	**JDH**	Run Date:	**04/01/2011 09:34**
Collect Date:	**03/30/2011 16:25**	Dilution:	**1**	File ID:	**B1.360529-0109**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**81.0**		**1.00**	**1.00**

Login Number: L11031030

Department: Login

Chain of Custody:

Shipment Conditions

COC #	Cooler #	Temperature
2165	0014187	0.0

Sample Management: All samples were received intact.

Sample Identification

Lab ID	Client ID
L11031030-01	SWMU-57-32911-SS-7'-SW-5
L11031030-02	SWMU57-32911-SS-13'-FC-NUM5
L11031030-03	SWMU-57-33011-SS-FC-20'-NUM3B
L11031030-04	SWMU-57-33011-SS-FC-14'-NUM6

Narrative ID: 24616
Approved By: Stephanie Mossburg
Stephanie Mossburg

2.0 Full Sample Data Package

2.1 Metals Data

2.1.1 Metals I C P Data

2.1.1.1 Summary Data

Login Number: L11031030

Department: Metals

Analyst: Pierce Morris
Analyst #2: Kim Rhodes

METHOD

Preparation: SW-846 3051

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: WG360505 - Due to continuing calibration verification failure for antimony on 31-Mar-2011 at 17:12, all client samples and batch QA/QC samples were reanalyzed on a later calibration which was compliant for antimony.

Continuing Calibration Blank: All acceptance criteria were met.

BATCH QA/QC

Method Blank: WG360505 - The method blank associated with this analytical batch yielded a result for iron of 1.53 mg/Kg which exceeded the limit of detection. However, the reported sample results exceeded that of the method blank by greater than a factor of ten. The iron results were reported with a 'B' qualifier to indicate the association with a

noncompliant method blank.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360505 - All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

Narrative ID: 24703
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11031030

04/05/11 16:08

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-32911-SS-7'-SW-5	L11031030-01	6010B	1	31-MAR-11
SWMU-57-32911-SS-7'-SW-5	L11031030-01	6010B	1	31-MAR-11
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	6010B	1	31-MAR-11
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	6010B	1	31-MAR-11
SWMU-57-33011-SS-FC-20'-NUM3I	L11031030-03	6010B	1	31-MAR-11
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	6010B	1	31-MAR-11
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	6010B	1	31-MAR-11

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-01	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-32911-SS-7'-SW-5	Prep Method:	3051A	Prep Date:	03/31/2011 12:03
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	03/31/2011 09:58
Workgroup Number:	WG360505	Analyst:	PDM	Run Date:	03/31/2011 18:50
Collect Date:	03/29/2011 12:00	Dilution:	1	File ID:	T2.033111.185049
Sample Tag:	01	Units:	mg/kg	Percent Solid:	81.6

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	13000		18.1	9.07
Iron, Total	7439-89-6	28900	B	2.72	1.36
Manganese, Total	7439-96-5	181		0.453	0.227

B The reported result is associated with a contaminated method blank.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	**L11031030-01**	PrePrep Method:	**NONE**	Instrument:	**ICP-THERMO2**
Client ID:	**SWMU-57-32911-SS-7'-SW-5**	Prep Method:	**3051A**	Prep Date:	**03/31/2011 12:03**
Matrix:	**Soil**	Analytical Method:	**6010B**	Cal Date:	**04/01/2011 10:54**
Workgroup Number:	**WG360505**	Analyst:	**JYH**	Run Date:	**04/01/2011 11:25**
Collect Date:	**03/29/2011 12:00**	Dilution:	**1**	File ID:	**T2.040111.112533**
Sample Tag:	**02**	Units:	**mg/kg**	Percent Solid:	**81.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	**7440-36-0**		**U**	**0.907**	**0.453**

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU57-32911-SS-13'-FC-NU	Prep Method:	3051A	Prep Date:	03/31/2011 12:03
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	03/31/2011 09:58
Workgroup Number:	WG360505	Analyst:	PDM	Run Date:	03/31/2011 18:54
Collect Date:	03/29/2011 13:00	Dilution:	1	File ID:	T2.033111.185422
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.6

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11100		19.7	9.87
Iron, Total	7439-89-6	25200	B	2.96	1.48
Manganese, Total	7439-96-5	285		0.493	0.247

B The reported result is associated with a contaminated method blank.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU57-32911-SS-13'-FC-NU	Prep Method:	3051A	Prep Date:	03/31/2011 12:03
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/01/2011 10:54
Workgroup Number:	WG360505	Analyst:	JYH	Run Date:	04/01/2011 11:32
Collect Date:	03/29/2011 13:00	Dilution:	1	File ID:	T2.040111.113245
Sample Tag:	02	Units:	mg/kg	Percent Solid:	75.6

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.987	0.493

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-03	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-33011-SS-FC-20'-NI	Prep Method:	3051A	Prep Date:	03/31/2011 12:03
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	03/31/2011 09:58
Workgroup Number:	WG360505	Analyst:	PDM	Run Date:	03/31/2011 18:57
Collect Date:	03/30/2011 15:50	Dilution:	1	File ID:	T2.033111.185754
Sample Tag:	01	Units:	mg/kg	Percent Solid:	79.1

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Iron, Total	7439-89-6	16800	B	2.79	1.40

B The reported result is associated with a contaminated method blank.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-04	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-33011-SS-FC-14'-NI	Prep Method:	3051A	Prep Date:	03/31/2011 12:03
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	03/31/2011 09:58
Workgroup Number:	WG360505	Analyst:	PDM	Run Date:	03/31/2011 19:01
Collect Date:	03/30/2011 16:25	Dilution:	1	File ID:	T2.033111.190130
Sample Tag:	01	Units:	mg/kg	Percent Solid:	81.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	10800		18.5	9.27
Iron, Total	7439-89-6	38200	B	2.78	1.39
Manganese, Total	7439-96-5	142		0.464	0.232

B The reported result is associated with a contaminated method blank.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-04	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-33011-SS-FC-14'-NI	Prep Method:	3051A	Prep Date:	03/31/2011 12:03
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/01/2011 10:54
Workgroup Number:	WG360505	Analyst:	JYH	Run Date:	04/01/2011 11:40
Collect Date:	03/30/2011 16:25	Dilution:	1	File ID:	T2.040111.114001
Sample Tag:	02	Units:	mg/kg	Percent Solid:	81.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.927	0.464

U Analyte was not detected. The concentration is below the reported LOD.

2.1.1.2 QC Summary Data

Example 6010 Calculations
Thermo Scientific iCAP 6500

1.0 Initial Calibration (ICAL) Parameters
For a multi-point calibration, the system performs linear regression from data consisting of a blank and four standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360488
Analyst: ERP
Spike Analyst: ERP
Run Date: 03/31/2011 12:03
Method: 3051A
Balance: BAL014
Instrument: MW-3

SOP: ME406 Revison 12
Spike Solution: STD39933
Spike Witness: VC
HNO3 Lot #: COA15168
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15342

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360488-02	BLANK	7	1 g	50 mL	177.841 g	177.848 g		
2	WG360488-03	LCS	7	1 g	50 mL	182.034 g	182.035 g	5 mL	
3	L11030908-38	SAMP	7	1.003 g	50 mL	176.111 g	176.106 g		04/05/11
4	L11030908-39	SAMP	7	1.022 g	50 mL	178.835 g	178.832 g		04/05/11
5	L11030908-40	SAMP	7	1.025 g	50 mL	180.094 g	180.077 g		04/05/11
6	L11030995-01	SAMP	7	1.346 g	50 mL	177.308 g	177.313 g		04/04/11
7	L11030995-03	SAMP	7	1.393 g	50 mL	178.623 g	178.611 g		04/04/11
8	L11030999-01	SAMP	7	1.407 g	50 mL	179.594 g	179.601 g		04/04/11
9	L11030999-03	SAMP	7	1.444 g	50 mL	178.868 g	178.863 g		04/04/11
10	L11031002-01	SAMP	7	1.309 g	50 mL	176.392 g	176.398 g		04/08/11
11	L11031004-01	SAMP	7	1.327 g	50 mL	177.316 g	177.312 g		04/08/11
12	L11031004-03	SAMP	7	1.33 g	50 mL	176.046 g	176.044 g		04/08/11
13	L11031006-01	SAMP	7	1.412 g	50 mL	177.086 g	177.032 g		04/08/11
14	L11031008-01	SAMP	7	1.344 g	50 mL	178.768 g	178.752 g		04/08/11
15	L11031008-03	SAMP	7	1.384 g	50 mL	177.638 g	177.637 g		04/08/11
16	L11031010-01	SAMP	7	1.351 g	50 mL	178.309 g	178.294 g		04/08/11
17	L11031012-01	SAMP	7	1.313 g	50 mL	177.597 g	177.589 g		04/08/11
18	L11031012-03	SAMP	7	1.411 g	50 mL	177.655 g	177.65 g		04/08/11
19	L11031030-01	SAMP	7	1.351 g	50 mL	178.742 g	178.744 g		04/01/11
20	L11031030-02	SAMP	7	1.341 g	50 mL	177.015 g	177.009 g		04/01/11
21	L11031030-03	SAMP	7	1.358 g	50 mL	179.219 g	179.214 g		04/01/11
22	WG360488-01	REF	7	1.332 g	50 mL	177.777 g	177.775 g		
23	L11031030-04	SAMP	7	1.332 g	50 mL	177.777 g	177.775 g		04/01/11
24	WG360488-04	MS	7	1.332 g	50 mL	182.578 g	182.577 g	5 mL	
25	WG360488-05	MSD	7	1.332 g	50 mL	182.842 g	182.845 g	5 mL	

Analyst: Erin Potter

Reviewer: Brenda Gregory

MW_DIG - Modified 09/30/2009
PDF ID: 1959419
Report generated: 03/31/2011 12:56

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.033111.094504	WG360579-01	Calibration Point		1		03/31/11 09:45
2	T2.033111.094837	WG360579-02	Calibration Point		1		03/31/11 09:48
3	T2.033111.095207	WG360579-03	Calibration Point		1		03/31/11 09:52
4	T2.033111.095538	WG360579-04	Calibration Point		1		03/31/11 09:55
5	T2.033111.095857	WG360579-05	Calibration Point		1		03/31/11 09:58
6	T2.033111.100216	WG360579-06	Initial Calibration Verification		1		03/31/11 10:02
7	T2.033111.100535	WG360579-07	Initial Calib Blank		1		03/31/11 10:05
8	T2.033111.100905	WG360579-08	Interference Check		1		03/31/11 10:09
9	T2.033111.101233	WG360579-09	Interference Check		1		03/31/11 10:12
10	T2.033111.101559	WG360579-10	CCV		1		03/31/11 10:15
11	T2.033111.101915	WG360579-11	CCB		1		03/31/11 10:19
12	T2.033111.102247	WG360102-02	Method/Prep Blank	1/50	1		03/31/11 10:22
13	T2.033111.102617	WG360102-03	Laboratory Control S	1/50	1		03/31/11 10:26
14	T2.033111.102945	WG360102-01	Reference Sample		1	L11030823-36	03/31/11 10:29
15	T2.033111.103335	WG360102-04	Matrix Spike	1.386/50	1	L11030823-36	03/31/11 10:33
16	T2.033111.103725	WG360102-05	Matrix Spike Duplica	1.386/50	1	L11030823-36	03/31/11 10:37
17	T2.033111.104115	L11030823-39	13989-C0034	1.374/50	1		03/31/11 10:41
18	T2.033111.104447	L11030823-40	13989-C0035	1.423/50	1		03/31/11 10:44
19	T2.033111.104819	WG360446-01	Post Digestion Spike		1	L11030823-40	03/31/11 10:48
20	T2.033111.105150	WG360446-02	Serial Dilution		5	L11030823-40	03/31/11 10:51
21	T2.033111.105518	WG360446-02	Serial Dilution		25	L11030823-40	03/31/11 10:55
22	T2.033111.105846	WG360579-12	CCV		1		03/31/11 10:58
23	T2.033111.110201	WG360579-13	CCB		1		03/31/11 11:02
24	T2.033111.110533	L11030823-41	13989-C0036	1.469/50	1		03/31/11 11:05
25	T2.033111.110906	L11030823-42	13989-C0038	1.414/50	1		03/31/11 11:09
26	T2.033111.111238	L11030823-43	13989-C0039	1.38/50	1		03/31/11 11:12
27	T2.033111.111620	L11030823-44	13989-C0040	1.41/50	1		03/31/11 11:16
28	T2.033111.111952	L11030823-45	13989-C0041	1.355/50	1		03/31/11 11:19
29	T2.033111.112324	L11030823-46	13989-C0042	1.304/50	1		03/31/11 11:23
30	T2.033111.112705	L11030823-47	13989-C0043	1.383/50	1		03/31/11 11:27
31	T2.033111.113037	L11030823-48	13989-C0044	1.495/50	1		03/31/11 11:30
32	T2.033111.113417	L11030824-01	13989-C0045	1.452/50	1		03/31/11 11:34
33	T2.033111.113750	L11030824-02	13989-C0046	1.453/50	1		03/31/11 11:37
34	T2.033111.114141	WG360579-14	CCV		1		03/31/11 11:41

Page: 1 Approved: April 04, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.033111.114456	WG360579-15	CCB		1		03/31/11 11:44
36	T2.033111.114828	L11030824-03	13989-C0047	1.471/50	1		03/31/11 11:48
37	T2.033111.115200	L11030824-04	13989-C0048	1.323/50	1		03/31/11 11:52
38	T2.033111.115550	L11030824-05	13989-C0049	1.391/50	1		03/31/11 11:55
39	T2.033111.115923	L11030824-06	13989-C0050	1.356/50	1		03/31/11 11:59
40	T2.033111.120257	L11030824-07	13989-C0051	1.324/50	1		03/31/11 12:02
41	T2.033111.120631	L11030824-08	13989-C0052	1.404/50	1		03/31/11 12:06
42	T2.033111.121003	L11030824-09	14071-C0001	1.402/50	1		03/31/11 12:10
43	T2.033111.121337	WG360579-16	CCV		1		03/31/11 12:13
44	T2.033111.121653	WG360579-17	CCB		1		03/31/11 12:16
45	T2.033111.130835	WG360579-18	CCV		1		03/31/11 13:08
46	T2.033111.131152	WG360579-19	CCB		1		03/31/11 13:11
47	T2.033111.131526	WG360103-02	Method/Prep Blank	1/50	1		03/31/11 13:15
48	T2.033111.131857	WG360103-03	Laboratory Control S	1/50	1		03/31/11 13:18
49	T2.033111.132226	L11030824-10	14071-C0002	1.392/50	1		03/31/11 13:22
50	T2.033111.132558	WG360447-01	Post Digestion Spike		1	L11030824-10	03/31/11 13:25
51	T2.033111.132929	WG360447-02	Serial Dilution		5	L11030824-10	03/31/11 13:29
52	T2.033111.133258	WG360447-02	Serial Dilution		25	L11030824-10	03/31/11 13:32
53	T2.033111.133624	L11030824-11	14071-C0003	1.37/50	1		03/31/11 13:36
54	T2.033111.133957	L11030824-12	14071-C0004	1.326/50	1		03/31/11 13:39
55	T2.033111.134329	L11030824-13	14071-C0005	1.355/50	1		03/31/11 13:43
56	T2.033111.134710	L11030824-14	14071-C0006	1.374/50	1		03/31/11 13:47
57	T2.033111.135045	WG360579-20	CCV		1		03/31/11 13:50
58	T2.033111.135402	WG360579-21	CCB		1		03/31/11 13:54
59	T2.033111.135735	L11030824-15	14071-C0007	1.359/50	1		03/31/11 13:57
60	T2.033111.140108	L11030824-16	14071-C0008	1.36/50	1		03/31/11 14:01
61	T2.033111.140440	L11030824-17	14071-C0009	1.452/50	1		03/31/11 14:04
62	T2.033111.140813	L11030824-18	14071-C0010	1.304/50	1		03/31/11 14:08
63	T2.033111.141145	L11030824-19	14071-C0011	1.303/50	1		03/31/11 14:11
64	T2.033111.141517	L11030824-20	14071-C0012	1.483/50	1		03/31/11 14:15
65	T2.033111.141849	L11030824-21	14071-C0013	1.356/50	1		03/31/11 14:18
66	T2.033111.142222	L11030824-22	14071-C0015	1.337/50	1		03/31/11 14:22
67	T2.033111.142555	L11030824-23	14071-C0016	1.328/50	1		03/31/11 14:25
68	T2.033111.142927	L11030824-24	14071-C0017	1.367/50	1		03/31/11 14:29

Page: 2 Approved: April 04, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.033111.143301	WG360579-22	CCV		1		03/31/11 14:33
70	T2.033111.143617	WG360579-23	CCB		1		03/31/11 14:36
71	T2.033111.143950	L11030824-25	14071-C0018	1.343/50	1		03/31/11 14:39
72	T2.033111.144324	WG360103-01	Reference Sample		1	L11030824-26	03/31/11 14:43
73	T2.033111.144656	WG360103-04	Matrix Spike	1.338/50	1	L11030824-26	03/31/11 14:46
74	T2.033111.145028	WG360103-05	Matrix Spike Duplica	1.338/50	1	L11030824-26	03/31/11 14:50
75	T2.033111.145400	L11030824-29	14071-C0020	1.43/50	1		03/31/11 14:54
76	T2.033111.145733	L11030824-30	14071-C0021	1.328/50	1		03/31/11 14:57
77	T2.033111.150114	L11030824-31	14071-C0022	1.365/50	1		03/31/11 15:01
78	T2.033111.150450	WG360579-24	CCV		1		03/31/11 15:04
79	T2.033111.150806	WG360579-25	CCB		1		03/31/11 15:08
80	T2.033111.151139	L11030694-39	9443-C0019	1.303/50	1		03/31/11 15:11
81	T2.033111.151524	L11030834-02	9256-C0005	1.433/50	1		03/31/11 15:15
82	T2.033111.151900	WG360356-01	Post Digestion Spike		1	L11030834-02	03/31/11 15:19
83	T2.033111.152234	WG360356-02	Serial Dilution		5	L11030834-02	03/31/11 15:22
84	T2.033111.152555	WG360356-02	Serial Dilution		25	L11030834-02	03/31/11 15:25
85	T2.033111.152921	L11030834-03	9256-C0006	1.341/50	1		03/31/11 15:29
86	T2.033111.153255	L11030834-04	9256-C0007	1.36/50	1		03/31/11 15:32
87	T2.033111.153631	L11030834-05	9256-C0008	1.453/50	1		03/31/11 15:36
88	T2.033111.154007	L11030834-06	9256-C0009	1.39/50	1		03/31/11 15:40
89	T2.033111.154406	L11030834-07	9256-C0010	1.417/50	1		03/31/11 15:44
90	T2.033111.154743	WG360579-26	CCV		1		03/31/11 15:47
91	T2.033111.155100	WG360579-27	CCB		1		03/31/11 15:51
92	T2.033111.155435	L11030834-08	9256-C0011	1.443/50	1		03/31/11 15:54
93	T2.033111.155810	L11030834-09	9256-C0012	1.418/50	1		03/31/11 15:58
94	T2.033111.160146	WG360330-01	Reference Sample		1	L11030834-10	03/31/11 16:01
95	T2.033111.160522	WG360330-04	Matrix Spike	1.346/50	1	L11030834-10	03/31/11 16:05
96	T2.033111.160857	WG360330-05	Matrix Spike Duplica	1.346/50	1	L11030834-10	03/31/11 16:08
97	T2.033111.161233	L11030834-13	9256-C0014	1.41/50	1		03/31/11 16:12
98	T2.033111.161608	L11030834-14	9256-C0015	1.306/50	1		03/31/11 16:16
99	T2.033111.161945	L11030834-15	9256-C0016	1.348/50	1		03/31/11 16:19
100	T2.033111.162322	L11030834-16	9256-C0017	1.461/50	1		03/31/11 16:23
101	T2.033111.162659	L11030834-17	9256-C0018	1.367/50	1		03/31/11 16:26
102	T2.033111.163037	WG360579-28	CCV		1		03/31/11 16:30

Page: 3 Approved: April 04, 2011

Esther L. Babgard

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.033111.163353	WG360579-29	CCB		1		03/31/11 16:33
104	T2.033111.163726	L11030834-18	9256-C0019	1.446/50	1		03/31/11 16:37
105	T2.033111.164055	L11030834-19	9256-C0020	1.404/50	1		03/31/11 16:40
106	T2.033111.164432	L11030834-20	9256-C0021	1.443/50	1		03/31/11 16:44
107	T2.033111.164808	L11030834-21	9256-C0023	1.371/50	1		03/31/11 16:48
108	T2.033111.165136	L11030834-22	9256-C0024	1.352/50	1		03/31/11 16:51
109	T2.033111.165514	WG360579-30	CCV		1		03/31/11 16:55
110	T2.033111.165831	WG360579-31	CCB		1		03/31/11 16:58
111	T2.033111.170204	WG360579-32	Linear Range Check		1		03/31/11 17:02
112	T2.033111.170531	WG360579-32	Linear Range Check		1		03/31/11 17:05
113	T2.033111.170903	WG360579-32	Linear Range Check		1		03/31/11 17:09
114	T2.033111.171239	WG360579-33	CCV		1		03/31/11 17:12
115	T2.033111.171557	WG360579-34	CCB		1		03/31/11 17:15
116	T2.033111.171929	WG360488-02	Method/Prep Blank	1/50	1		03/31/11 17:19
117	T2.033111.172257	WG360488-03	Laboratory Control S	1/50	1		03/31/11 17:22
118	T2.033111.172616	L11030908-38	2498-C0003	1.003/50	1		03/31/11 17:26
119	T2.033111.172958	L11030908-39	2498-C0004	1.022/50	1		03/31/11 17:29
120	T2.033111.173335	L11030908-40	2498-C0005	1.025/50	1		03/31/11 17:33
121	T2.033111.173709	L11030995-01	\#1	1.346/50	1		03/31/11 17:37
122	T2.033111.174100	WG360505-01	Post Digestion Spike		1	L11030995-01	03/31/11 17:41
123	T2.033111.174449	L11030995-01	\#1		5		03/31/11 17:44
124	T2.033111.174822	WG360505-02	Serial Dilution		25	L11030995-01	03/31/11 17:48
125	T2.033111.175144	L11030995-03	\#2	1.393/50	1		03/31/11 17:51
126	T2.033111.175535	WG360579-35	CCV		1		03/31/11 17:55
127	T2.033111.175851	WG360579-36	CCB		1		03/31/11 17:58
128	T2.033111.180224	L11030999-01	B-1	1.407/50	10		03/31/11 18:02
129	T2.033111.180543	L11030999-03	\#3	1.444/50	1		03/31/11 18:05
130	T2.033111.180927	L11031002-01	SAMPLE\#3	1.309/50	1		03/31/11 18:09
131	T2.033111.181334	L11031004-01	SAMPLE\#1	1.327/50	1		03/31/11 18:13
132	T2.033111.181716	L11031004-03	SAMPLE\#2	1.33/50	1		03/31/11 18:17
133	T2.033111.182057	L11031006-01	SAMPLE\#1	1.412/50	1		03/31/11 18:20
134	T2.033111.182451	L11031008-01	SAMPLE\#1	1.344/50	1		03/31/11 18:24
135	T2.033111.182832	L11031008-03	SAMPLE\#2	1.384/50	1		03/31/11 18:28
136	T2.033111.183206	L11031010-01	SAMPLE\#3	1.351/50	1		03/31/11 18:32

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Sheri L. Babcock

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
137	T2.033111.183615	L11031012-01	SAMPLE\#1	1.313/50	1		03/31/11 18:36
138	T2.033111.183959	WG360579-37	CCV		1		03/31/11 18:39
139	T2.033111.184317	WG360579-38	CCB		1		03/31/11 18:43
140	T2.033111.184650	L11031012-03	SAMPLE\#2	1.411/50	1		03/31/11 18:46
141	T2.033111.185049	L11031030-01	SWMU-57-32911-SS-7'-SW-S	1.351/50	1		03/31/11 18:50
142	T2.033111.185422	L11031030-02	SWMU57-32911-SS-13'-FC-I	1.341/50	1		03/31/11 18:54
143	T2.033111.185754	L11031030-03	SWMU-57-33011-SS-FC-20'-	1.358/50	1		03/31/11 18:57
144	T2.033111.190130	WG360488-01	Reference Sample		1	L11031030-04	03/31/11 19:01
145	T2.033111.190503	WG360488-04	Matrix Spike	1.332/50	1	L11031030-04	03/31/11 19:05
146	T2.033111.190834	WG360488-05	Matrix Spike Duplica	1.332/50	1	L11031030-04	03/31/11 19:08
147	T2.033111.191207	WG360579-39	CCV		1		03/31/11 19:12
148	T2.033111.191524	WG360579-40	CCB		1		03/31/11 19:15
149	T2.033111.191857	WG360106-02	Method/Prep Blank	1/50	1		03/31/11 19:18
150	T2.033111.192229	WG360106-03	Laboratory Control S	1/50	1		03/31/11 19:22
151	T2.033111.192600	L11030824-32	14071-C0023	1.386/50	1		03/31/11 19:26
152	T2.033111.192935	WG360449-01	Post Digestion Spike		1	L11030824-32	03/31/11 19:29
153	T2.033111.193306	WG360449-02	Serial Dilution		5	L11030824-32	03/31/11 19:33
154	T2.033111.193626	WG360449-02	Serial Dilution		25	L11030824-32	03/31/11 19:36
155	T2.033111.193950	L11030824-33	14071-C0024	1.468/50	1		03/31/11 19:39
156	T2.033111.194325	L11030824-34	14071-C0025	1.398/50	1		03/31/11 19:43
157	T2.033111.194700	L11030824-35	14071-C0026		1		03/31/11 19:47
158	T2.033111.195023	L11030824-36	14071-C0027	1.483/50	1		03/31/11 19:50
159	T2.033111.195400	WG360579-41	CCV		1		03/31/11 19:54
160	T2.033111.195717	WG360579-42	CCB		1		03/31/11 19:57
161	T2.033111.200052	L11030824-37	14071-C0028	1.484/50	1		03/31/11 20:00
162	T2.033111.200425	L11030824-38	14071-C0029	1.449/50	1		03/31/11 20:04
163	T2.033111.200759	L11030824-39	14071-C0030	1.313/50	1		03/31/11 20:07
164	T2.033111.201135	L11030824-40	14071-C0031	1.339/50	1		03/31/11 20:11
165	T2.033111.201509	L11030824-41	14071-C0032	1.391/50	1		03/31/11 20:15
166	T2.033111.201845	L11030824-42	14071-C0033	1.357/50	1		03/31/11 20:18
167	T2.033111.202221	L11030824-43	14071-C0034	1.479/50	1		03/31/11 20:22
168	T2.033111.202556	L11030824-44	14071-C0035	1.406/50	1		03/31/11 20:25
169	T2.033111.202930	L11030824-45	14071-C0036	1.416/50	1		03/31/11 20:29
170	T2.033111.203304	L11030824-46	14071-C0037	1.435/50	1		03/31/11 20:33

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
171	T2.033111.203642	WG360579-43	CCV		1		03/31/11 20:36
172	T2.033111.203959	WG360579-44	CCB		1		03/31/11 20:39
173	T2.033111.204334	L11030824-47	14071-C0038	1.465/50	1		03/31/11 20:43
174	T2.033111.204709	L11030824-48	14071-C0039	1.382/50	1		03/31/11 20:47
175	T2.033111.205042	L11030825-01	14071-C0040	1.487/50	1		03/31/11 20:50
176	T2.033111.205416	L11030825-02	14071-C0041	1.351/50	1		03/31/11 20:54
177	T2.033111.205751	WG360106-01	Reference Sample		1	L11030825-03	03/31/11 20:57
178	T2.033111.210126	WG360106-04	Matrix Spike	1.403/50	1	L11030825-03	03/31/11 21:01
179	T2.033111.210459	WG360106-05	Matrix Spike Duplica	1.403/50	1	L11030825-03	03/31/11 21:04
180	T2.033111.210836	WG360579-45	CCV		1		03/31/11 21:08
181	T2.033111.211151	WG360579-46	CCB		1		03/31/11 21:11
182	T2.033111.211526	WG360107-02	Method/Prep Blank		1		03/31/11 21:15
183	T2.033111.211858	WG360107-03	Laboratory Control S		1		03/31/11 21:18
184	T2.033111.212226	L11030825-04	14071-C0043		1		03/31/11 21:22
185	T2.033111.212553	WG360450-01	Post Digestion Spike		1	L11030825-05	03/31/11 21:25
186	T2.033111.212921	WG360450-02	Serial Dilution		5	L11030825-05	03/31/11 21:29
187	T2.033111.213250	WG360450-02	Serial Dilution		25	L11030825-05	03/31/11 21:32
188	T2.033111.213616	L11030825-05	14071-C0045		1		03/31/11 21:36
189	T2.033111.213942	L11030825-06	14226-C0001		1		03/31/11 21:39
190	T2.033111.214315	L11030825-07	14226-C0002		1		03/31/11 21:43
191	T2.033111.214647	L11030825-08	14226-C0003		1		03/31/11 21:46
192	T2.033111.215024	WG360579-47	CCV		1		03/31/11 21:50
193	T2.033111.215339	WG360579-48	CCB		1		03/31/11 21:53
194	T2.033111.215714	WG360107-01	Reference Sample		1	L11030825-09	03/31/11 21:57
195	T2.033111.220049	WG360107-04	Matrix Spike		1	L11030825-09	03/31/11 22:00
196	T2.033111.220422	WG360107-05	Matrix Spike Duplica		1	L11030825-09	03/31/11 22:04
197	T2.033111.220755	L11030825-12	14226-C0005		1		03/31/11 22:07
198	T2.033111.221128	L11030825-13	14226-C0006		1		03/31/11 22:11
199	T2.033111.221500	L11030825-14	14226-C0007		1		03/31/11 22:15
200	T2.033111.221824	L11030825-15	14226-C0008		1		03/31/11 22:18
201	T2.033111.222149	L11030825-16	14226-C0009		1		03/31/11 22:21
202	T2.033111.222513	L11030825-17	14226-C0010		1		03/31/11 22:25
203	T2.033111.222840	L11030825-18	14226-C0011		1		03/31/11 22:28
204	T2.033111.223209	WG360579-49	CCV		1		03/31/11 22:32

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
205	T2.033111.223525	WG360579-50	CCB		1		03/31/11 22:35
206	T2.033111.223901	L11030825-19	14226-C0012		1		03/31/11 22:39
207	T2.033111.224227	L11030825-20	14226-C0013		1		03/31/11 22:42
208	T2.033111.224600	L11030825-21	14226-C0014		1		03/31/11 22:46
209	T2.033111.224933	L11030825-22	14226-C0015		1		03/31/11 22:49
210	T2.033111.225306	L11030825-23	14226-C0016		1		03/31/11 22:53
211	T2.033111.225639	L11030825-24	14226-C0017		1		03/31/11 22:56
212	T2.033111.230020	L11030825-25	14226-C0018		1		03/31/11 23:00
213	T2.033111.230403	WG360579-51	CCV		1		03/31/11 23:04
214	T2.033111.230720	WG360579-52	CCB		1		03/31/11 23:07
215	T2.033111.231052	WG360136-02	Method/Prep Blank	1/50	1		03/31/11 23:10
216	T2.033111.231423	WG360136-03	Laboratory Control S	1/50	1		03/31/11 23:14
217	T2.033111.231752	L11030825-46	14256-C0010	1.347/50	1		03/31/11 23:17
218	T2.033111.232125	WG360451-01	Post Digestion Spike		1	L11030825-46	03/31/11 23:21
219	T2.033111.232450	WG360451-02	Serial Dilution		5	L11030825-46	03/31/11 23:24
220	T2.033111.232812	WG360451-02	Serial Dilution		25	L11030825-46	03/31/11 23:28
221	T2.033111.233139	L11030825-47	14256-C0011	1.357/50	1		03/31/11 23:31
222	T2.033111.233507	L11030825-48	14256-C0012	1.436/50	1		03/31/11 23:35
223	T2.033111.233836	L11030826-01	14256-C0013	1.324/50	1		03/31/11 23:38
224	T2.033111.234205	L11030826-02	14256-C0014	1.357/50	1		03/31/11 23:42
225	T2.033111.234537	WG360579-53	CCV		1		03/31/11 23:45
226	T2.033111.234854	WG360579-54	CCB		1		03/31/11 23:48
227	T2.033111.235228	L11030826-03	14256-C0015	1.33/50	1		03/31/11 23:52
228	T2.033111.235605	WG360136-01	Reference Sample		1	L11030826-04	03/31/11 23:56
229	T2.033111.235934	WG360136-04	Matrix Spike	1.34/50	1	L11030826-04	03/31/11 23:59
230	T2.040111.000309	WG360136-05	Matrix Spike Duplica	1.34/50	1	L11030826-04	04/01/11 00:03
231	T2.040111.000644	L11030826-07	14256-C0017	1.349/50	1		04/01/11 00:06
232	T2.040111.001013	L11030826-08	14256-C0018	1.434/50	1		04/01/11 00:10
233	T2.040111.001348	L11030826-09	14256-C0019	1.399/50	1		04/01/11 00:13
234	T2.040111.001715	L11030826-10	14256-C0020	1.37/50	1		04/01/11 00:17
235	T2.040111.002043	L11030826-11	14256-C0021	1.362/50	1		04/01/11 00:20
236	T2.040111.002412	L11030826-12	14256-C0022	1.405/50	1		04/01/11 00:24
237	T2.040111.002749	WG360579-55	CCV		1		04/01/11 00:27
238	T2.040111.003105	WG360579-56	CCB		1		04/01/11 00:31

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Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
239	T2.040111.003437	L11030826-13	14256-C0023	1.37/50	1		04/01/11 00:34
240	T2.040111.003806	L11030826-14	14256-C0024	1.374/50	1		04/01/11 00:38
241	T2.040111.004140	L11030826-15	14256-C0025	1.366/50	1		04/01/11 00:41
242	T2.040111.004516	L11030826-16	14256-C0027	1.351/50	1		04/01/11 00:45
243	T2.040111.004844	L11030826-17	14256-C0028	1.35/50	1		04/01/11 00:48
244	T2.040111.005212	L11030826-18	14263-C0001	1.37/50	1		04/01/11 00:52
245	T2.040111.005546	L11030826-19	14263-C0002	1.368/50	1		04/01/11 00:55
246	T2.040111.005924	WG360579-57	CCV		1		04/01/11 00:59
247	T2.040111.010241	WG360579-58	CCB		1		04/01/11 01:02
248	T2.040111.010615	WG360137-02	Method/Prep Blank	1/50	1		04/01/11 01:06
249	T2.040111.010946	WG360137-03	Laboratory Control S	1/50	1		04/01/11 01:09
250	T2.040111.011317	L11030826-20	14263-C0003	1.303/50	1		04/01/11 01:13
251	T2.040111.011651	WG360515-01	Post Digestion Spike		1	L11030826-20	04/01/11 01:16
252	T2.040111.012023	WG360515-02	Serial Dilution		5	L11030826-20	04/01/11 01:20
253	T2.040111.012352	WG360515-02	Serial Dilution		25	L11030826-20	04/01/11 01:23
254	T2.040111.012719	L11030826-21	14263-C0004	1.427/50	1		04/01/11 01:27
255	T2.040111.013051	L11030826-22	14263-C0005	1.419/50	1		04/01/11 01:30
256	T2.040111.013423	L11030826-23	14263-C0006	1.397/50	1		04/01/11 01:34
257	T2.040111.013750	L11030826-24	14263-C0007	1.34/50	1		04/01/11 01:37
258	T2.040111.014119	WG360579-59	CCV		1		04/01/11 01:41
259	T2.040111.014435	WG360579-60	CCB		1		04/01/11 01:44
260	T2.040111.014810	L11030826-25	14263-C0008	1.328/50	1		04/01/11 01:48
261	T2.040111.015145	L11030826-26	14263-C0009	1.319/50	1		04/01/11 01:51
262	T2.040111.015513	L11030826-27	14263-C0010	1.373/50	1		04/01/11 01:55
263	T2.040111.015845	L11030826-28	14263-C0011	1.353/50	1		04/01/11 01:58
264	T2.040111.020217	L11030826-29	14263-C0012	1.369/50	1		04/01/11 02:02
265	T2.040111.020553	L11030826-30	14263-C0013	1.411/50	1		04/01/11 02:05
266	T2.040111.020920	L11030826-31	14263-C0014	1.487/50	1		04/01/11 02:09
267	T2.040111.021249	L11030826-32	14263-C0015	1.488/50	1		04/01/11 02:12
268	T2.040111.021623	L11030826-33	14263-C0016	1.414/50	1		04/01/11 02:16
269	T2.040111.021956	L11030826-34	14263-C0017	1.452/50	1		04/01/11 02:19
270	T2.040111.022327	WG360579-61	CCV		1		04/01/11 02:23
271	T2.040111.022644	WG360579-62	CCB		1		04/01/11 02:26
272	T2.040111.023018	L11030826-35	14263-C0018	1.312/50	1		04/01/11 02:30

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Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 03311T2.1
Analyst1: KHR Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36921

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
273	T2.040111.023345	L11030826-36	14263-C0019	1.436/50	1		04/01/11 02:33
274	T2.040111.023712	L11030826-37	14263-C0020	1.438/50	1		04/01/11 02:37
275	T2.040111.024041	L11030826-38	14263-C0021	1.386/50	1		04/01/11 02:40
276	T2.040111.024415	WG360137-01	Reference Sample		1	L11030826-39	04/01/11 02:44
277	T2.040111.024749	WG360137-04	Matrix Spike	1.369/50	1	L11030826-39	04/01/11 02:47
278	T2.040111.025125	WG360137-05	Matrix Spike Duplica	1.369/50	1	L11030826-39	04/01/11 02:51
279	T2.040111.025459	WG360579-63	CCV		1		04/01/11 02:54
280	T2.040111.025817	WG360579-64	CCB		1		04/01/11 02:58

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Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.040111.104004	WG360600-01	Calibration Point		1		04/01/11 10:40
2	T2.040111.104339	WG360600-02	Calibration Point		1		04/01/11 10:43
3	T2.040111.104714	WG360600-03	Calibration Point		1		04/01/11 10:47
4	T2.040111.105049	WG360600-04	Calibration Point		1		04/01/11 10:50
5	T2.040111.105410	WG360600-05	Calibration Point		1		04/01/11 10:54
6	T2.040111.105737	WG360600-06	Initial Calibration Verification		1		04/01/11 10:57
7	T2.040111.110058	WG360600-07	Initial Calib Blank		1		04/01/11 11:00
8	T2.040111.110433	WG360600-08	Interference Check		1		04/01/11 11:04
9	T2.040111.110805	WG360600-09	Interference Check		1		04/01/11 11:08
10	T2.040111.111138	WG360600-10	CCV		1		04/01/11 11:11
11	T2.040111.111458	WG360600-11	CCB		1		04/01/11 11:14
12	T2.040111.111838	WG360488-02	Method/Prep Blank	1/50	1		04/01/11 11:18
13	T2.040111.112210	WG360488-03	Laboratory Control S	1/50	1		04/01/11 11:22
14	T2.040111.112533	L110301030-01	L11030103001	1.351/50	1		04/01/11 11:25
15	T2.040111.112909	WG360505-03	Post Digestion Spike		1	L11031030-01	04/01/11 11:29
16	T2.040111.113245	L110301030-02	L11030103002	1.341/50	1		04/01/11 11:32
17	T2.040111.113620	L110301030-03	L11030103003		1		04/01/11 11:36
18	T2.040111.114001	WG360488-01	Reference Sample		1	L11031030-04	04/01/11 11:40
19	T2.040111.114341	WG360505-04	Serial Dilution		5	L11031030-01	04/01/11 11:43
20	T2.040111.114722	WG360600-12	CCV		1		04/01/11 11:47
21	T2.040111.115042	WG360600-13	CCB		1		04/01/11 11:50
22	T2.040111.115422	WG360488-04	Matrix Spike	1.332/50	1	L11031030-04	04/01/11 11:54
23	T2.040111.115756	WG360488-05	Matrix Spike Duplica	1.332/50	1	L11031030-04	04/01/11 11:57
24	T2.040111.120130	WG360600-14	LRC		1		04/01/11 12:01
25	T2.040111.120502	L11031002-01	SAMPLE\#3	1.309/50	1		04/01/11 12:05
26	T2.040111.120913	L11031004-01	SAMPLE\#1	1.327/50	1		04/01/11 12:09
27	T2.040111.121259	L11031004-03	SAMPLE\#2	1.33/50	1		04/01/11 12:12
28	T2.040111.121643	L11031006-01	SAMPLE\#1	1.412/50	1		04/01/11 12:16
29	T2.040111.122044	L11031008-01	SAMPLE\#1	1.344/50	1		04/01/11 12:20
30	T2.040111.122429	L11031008-03	SAMPLE\#2	1.384/50	1		04/01/11 12:24
31	T2.040111.122806	L11031010-01	SAMPLE\#3	1.351/50	1		04/01/11 12:28
32	T2.040111.123223	WG360600-15	CCV		1		04/01/11 12:32
33	T2.040111.123545	WG360600-16	CCB		1		04/01/11 12:35
34	T2.040111.123928	L11031012-01	SAMPLE\#1	1.313/50	1		04/01/11 12:39

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.040111.124315	L11031012-03	SAMPLE\#2	1.411/50	1		04/01/11 12:43
36	T2.040111.124718	WG360107-02	Method/Prep Blank	1/50	1		04/01/11 12:47
37	T2.040111.125308	WG360600-17	CCV		1		04/01/11 12:53
38	T2.040111.125627	WG360600-18	CCB		1		04/01/11 12:56
39	T2.040111.130010	WG360107-03	Laboratory Control S	1/50	1		04/01/11 13:00
40	T2.040111.130343	L11030825-04	14071-C0043	1.431/50	1		04/01/11 13:03
41	T2.040111.130717	L11030825-05	14071-C0045	1.463/50	1		04/01/11 13:07
42	T2.040111.131053	WG360450-01	Post Digestion Spike		1	L11030825-05	04/01/11 13:10
43	T2.040111.131427	WG360450-02	Serial Dilution		5	L11030825-05	04/01/11 13:14
44	T2.040111.131800	WG360450-02	Serial Dilution		25	L11030825-05	04/01/11 13:18
45	T2.040111.132130	L11030825-06	14226-C0001	1.407/50	1		04/01/11 13:21
46	T2.040111.132512	WG360600-19	CCV		1		04/01/11 13:25
47	T2.040111.132832	WG360600-20	CCB		1		04/01/11 13:28
48	T2.040111.133214	L11030825-07	14226-C0002	1.457/50	1		04/01/11 13:32
49	T2.040111.133550	L11030825-08	14226-C0003	1.404/50	1		04/01/11 13:35
50	T2.040111.133926	WG360107-01	Reference Sample		1	L11030825-09	04/01/11 13:39
51	T2.040111.134305	WG360107-04	Matrix Spike	1.337/50	1	L11030825-09	04/01/11 13:43
52	T2.040111.134642	WG360107-05	Matrix Spike Duplica	1.337/50	1	L11030825-09	04/01/11 13:46
53	T2.040111.135017	L11030825-12	14226-C0005	1.445/50	1		04/01/11 13:50
54	T2.040111.135354	L11030825-13	14226-C0006	1.451/50	1		04/01/11 13:53
55	T2.040111.135731	L11030825-14	14226-C0007	1.331/50	1		04/01/11 13:57
56	T2.040111.140110	L11030825-15	14226-C0008	1.347/50	1		04/01/11 14:01
57	T2.040111.140447	L11030825-16	14226-C0009	1.314/50	1		04/01/11 14:04
58	T2.040111.140829	WG360600-21	CCV		1		04/01/11 14:08
59	T2.040111.141149	WG360600-22	CCB		1		04/01/11 14:11
60	T2.040111.141530	L11030999-01	B-1	1.407/50	10		04/01/11 14:15
61	T2.040111.142129	L11030999-03	\#3	1.444/50	1		04/01/11 14:21
62	T2.040111.142521	WG360600-23	CCV		1		04/01/11 14:25
63	T2.040111.142842	WG360600-24	CCB		1		04/01/11 14:28
64	T2.040111.150302	L11030825-17	14226-C0010	1.429/50	1		04/01/11 15:03
65	T2.040111.150640	L11030825-18	14226-C0011	1.349/50	1		04/01/11 15:06
66	T2.040111.151033	L11030825-19	14226-C0012	1.493/50	1		04/01/11 15:10
67	T2.040111.151408	L11030825-20	14226-C0013	1.412/50	1		04/01/11 15:14
68	T2.040111.151744	L11030825-21	14226-C0014	1.43/50	1		04/01/11 15:17

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.040111.152119	L11030825-22	14226-C0015	1.376/50	1		04/01/11 15:21
70	T2.040111.152454	L11030825-23	14226-C0016	1.402/50	1		04/01/11 15:24
71	T2.040111.152830	L11030825-24	14226-C0017	1.302/50	1		04/01/11 15:28
72	T2.040111.153215	L11030825-25	14226-C0018	1.375/50	1		04/01/11 15:32
73	T2.040111.153605	WG360600-25	CCV		1		04/01/11 15:36
74	T2.040111.153934	WG360600-26	CCB		1		04/01/11 15:39
75	T2.040111.154312	WG360547-02	Method/Prep Blank	1/50	1		04/01/11 15:43
76	T2.040111.154647	WG360547-03	Laboratory Control S	1/50	1		04/01/11 15:46
77	T2.040111.155019	WG360547-01	Reference Sample		1	L11030912-24	04/01/11 15:50
78	T2.040111.155351	WG360547-04	Matrix Spike	1.019/50	1	L11030912-24	04/01/11 15:53
79	T2.040111.155722	WG360547-05	Matrix Spike Duplica	1.019/50	1	L11030912-24	04/01/11 15:57
80	T2.040111.160053	L11030912-27	48-C0006	1.011/50	1		04/01/11 16:00
81	T2.040111.160425	WG360601-01	Post Digestion Spike		1	L11030912-27	04/01/11 16:04
82	T2.040111.160753	WG360601-02	Serial Dilution		5	L11030912-27	04/01/11 16:07
83	T2.040111.161119	WG360601-02	Serial Dilution		25	L11030912-27	04/01/11 16:11
84	T2.040111.161448	L11030912-28	48-C0007	1.034/50	1		04/01/11 16:14
85	T2.040111.161829	WG360600-27	CCV		1		04/01/11 16:18
86	T2.040111.162149	WG360600-28	CCB		1		04/01/11 16:21
87	T2.040111.162531	L11030912-29	48-C0008	1.037/50	1		04/01/11 16:25
88	T2.040111.162905	L11030912-30	48-C0009	1.012/50	1		04/01/11 16:29
89	T2.040111.163238	L11030912-31	48-C0010	1.034/50	1		04/01/11 16:32
90	T2.040111.163611	L11030912-32	48-C0011	1.038/50	1		04/01/11 16:36
91	T2.040111.163943	L11030912-33	48-C0012	1.033/50	1		04/01/11 16:39
92	T2.040111.164316	L11031043-01	13013-C0001	1.012/50	5		04/01/11 16:43
93	T2.040111.164640	L11031043-02	13013-C0002	1.011/50	5		04/01/11 16:46
94	T2.040111.165006	L11031043-03	13013-C0003	1.008/50	5		04/01/11 16:50
95	T2.040111.165331	L11031043-04	13013-C0004	1.012/50	5		04/01/11 16:53
96	T2.040111.165656	L11031043-05	13013-C0005	1.008/50	5		04/01/11 16:56
97	T2.040111.170028	WG360600-29	CCV		1		04/01/11 17:00
98	T2.040111.170348	WG360600-30	CCB		1		04/01/11 17:03
99	T2.040111.170728	L11031043-06	13013-C0006	1.008/50	5		04/01/11 17:07
100	T2.040111.171045	L11031043-07	13955-C0001	1.004/50	5		04/01/11 17:10
101	T2.040111.171412	L11031043-08	13955-C0002	1.02/50	5		04/01/11 17:14
102	T2.040111.171739	L11031043-09	13955-C0003	1.024/50	5		04/01/11 17:17

 Approved: April 04, 2011

Sheri L. Babcock

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.040111.172105	L11031043-10	13955-C0004	1.007/50	5		04/01/11 17:21
104	T2.040111.172435	L11031043-11	13955-C0005	1.01/50	5		04/01/11 17:24
105	T2.040111.172802	L11031044-01	14235-C0007	1.008/50	5		04/01/11 17:28
106	T2.040111.173133	WG360600-31	CCV		1		04/01/11 17:31
107	T2.040111.173451	WG360600-32	CCB		1		04/01/11 17:34
108	T2.040111.173827	WG360172-03	Method/Prep Blank	1/50	1		04/01/11 17:38
109	T2.040111.174202	WG360172-04	Laboratory Control S	1/50	1		04/01/11 17:42
110	T2.040111.174535	L11030826-40	14263-C0023	1.349/50	1		04/01/11 17:45
111	T2.040111.174912	WG360602-01	Post Digestion Spike		1	L11030826-40	04/01/11 17:49
112	T2.040111.175238	WG360602-02	Serial Dilution		5	L11030826-40	04/01/11 17:52
113	T2.040111.175612	WG360602-02	Serial Dilution		25	L11030826-40	04/01/11 17:56
114	T2.040111.175941	WG360172-01	Reference Sample		1	L11030826-41	04/01/11 17:59
115	T2.040111.180317	WG360172-05	Matrix Spike	1.458/50	1	L11030826-41	04/01/11 18:03
116	T2.040111.180702	WG360172-06	Matrix Spike Duplica	1.458/50	1	L11030826-41	04/01/11 18:07
117	T2.040111.181037	L11030826-44	14263-C0025	1.353/50	1		04/01/11 18:10
118	T2.040111.181411	WG360600-33	CCV		1		04/01/11 18:14
119	T2.040111.181731	WG360600-34	CCB		1		04/01/11 18:17
120	T2.040111.182110	L11030826-45	14263-C0027	1.422/50	1		04/01/11 18:21
121	T2.040111.182445	L11030826-46	14263-C0028	1.487/50	1		04/01/11 18:24
122	T2.040111.182821	L11030826-47	14263-C0029	1.329/50	1		04/01/11 18:28
123	T2.040111.183151	L11030826-48	14263-C0030	1.432/50	1		04/01/11 18:31
124	T2.040111.183524	L11030827-01	14273-C0001	1.473/50	1		04/01/11 18:35
125	T2.040111.183859	L11030827-02	14273-C0002	1.406/50	1		04/01/11 18:38
126	T2.040111.184244	L11030827-03	14273-C0003	1.386/50	1		04/01/11 18:42
127	T2.040111.184614	L11030827-04	14273-C0004	1.492/50	1		04/01/11 18:46
128	T2.040111.184950	L11030827-05	14273-C0005	1.405/50	1		04/01/11 18:49
129	T2.040111.185326	WG360172-02	Reference Sample		1	L11030827-06	04/01/11 18:53
130	T2.040111.185707	WG360600-35	CCV		1		04/01/11 18:57
131	T2.040111.190027	WG360600-36	CCB		1		04/01/11 19:00
132	T2.040111.190402	WG360172-07	Matrix Spike	1.438/50	1	L11030827-06	04/01/11 19:04
133	T2.040111.190738	WG360172-08	Matrix Spike Duplica	1.438/50	1	L11030827-06	04/01/11 19:07
134	T2.040111.191113	L11030827-09	14273-C0007	1.494/50	1		04/01/11 19:11
135	T2.040111.191449	L11030827-10	14273-C0008	1.333/50	1		04/01/11 19:14
136	T2.040111.191826	L11030827-11	14273-C0009	1.364/50	1		04/01/11 19:18

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Sheri L. Babcock

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
137	T2.040111.192202	L11030827-12	14273-C0010	1.399/50	1		04/01/11 19:22
138	T2.040111.192538	L11030827-13	14273-C0011	1.331/50	1		04/01/11 19:25
139	T2.040111.192919	L11030824-35	14071-C0026	1.458/50	1		04/01/11 19:29
140	T2.040111.193304	WG360600-37	CCV		1		04/01/11 19:33
141	T2.040111.193624	WG360600-38	CCB		1		04/01/11 19:36
142	T2.040111.194003	WG360175-02	Method/Prep Blank	1/50	1		04/01/11 19:40
143	T2.040111.194337	WG360175-03	Laboratory Control S	1/50	1		04/01/11 19:43
144	T2.040111.194708	L11030827-14	14273-C0012	1.386/50	1		04/01/11 19:47
145	T2.040111.195044	WG360606-01	Post Digestion Spike		1	L11030827-14	04/01/11 19:50
146	T2.040111.195419	WG360606-02	Serial Dilution		5	L11030827-14	04/01/11 19:54
147	T2.040111.195752	WG360606-02	Serial Dilution		25	L11030827-14	04/01/11 19:57
148	T2.040111.200123	L11030827-15	14273-C0013	1.405/50	1		04/01/11 20:01
149	T2.040111.200458	L11030827-16	14273-C0014	1.349/50	1		04/01/11 20:04
150	T2.040111.200834	L11030827-17	14273-C0015	1.388/50	1		04/01/11 20:08
151	T2.040111.201209	L11030827-18	14273-C0016	1.354/50	1		04/01/11 20:12
152	T2.040111.201554	WG360600-39	CCV		1		04/01/11 20:15
153	T2.040111.201913	WG360600-40	CCB		1		04/01/11 20:19
154	T2.040111.202254	L11030827-19	14273-C0017	1.315/50	1		04/01/11 20:22
155	T2.040111.202631	L11030827-20	14273-C0018	1.391/50	1		04/01/11 20:26
156	T2.040111.203006	L11030827-21	14273-C0019	1.397/50	1		04/01/11 20:30
157	T2.040111.203343	L11030827-22	14273-C0020	1.452/50	1		04/01/11 20:33
158	T2.040111.203725	L11030827-23	14273-C0021	1.476/50	1		04/01/11 20:37
159	T2.040111.204101	L11030827-24	14273-C0022	1.359/50	1		04/01/11 20:41
160	T2.040111.204436	L11030827-25	14273-C0023	1.483/50	1		04/01/11 20:44
161	T2.040111.204812	L11030827-26	14273-C0024	1.37/50	1		04/01/11 20:48
162	T2.040111.205148	WG360175-01	Reference Sample		1	L11030827-27	04/01/11 20:51
163	T2.040111.205523	WG360175-04	Matrix Spike	1.393/50	1	L11030827-27	04/01/11 20:55
164	T2.040111.205907	WG360600-41	CCV		1		04/01/11 20:59
165	T2.040111.210226	WG360600-42	CCB		1		04/01/11 21:02
166	T2.040111.210606	WG360175-05	Matrix Spike Duplica	1.393/50	1	L11030827-27	04/01/11 21:06
167	T2.040111.210942	L11030827-30	14273-C0027	1.319/50	1		04/01/11 21:09
168	T2.040111.211318	L11030827-31	14273-C0028	1.321/50	1		04/01/11 21:13
169	T2.040111.211656	L11030827-32	14273-C0029	1.437/50	1		04/01/11 21:16
170	T2.040111.212041	L11030827-33	14273-C0030	1.342/50	1		04/01/11 21:20

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Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
171	T2.040111.212427	L11030827-34	14273-C0031	1.308/50	1		04/01/11 21:24
172	T2.040111.212802	L11030827-35	14273-C0032	1.387/50	1		04/01/11 21:28
173	T2.040111.213153	WG360600-43	CCV		1		04/01/11 21:31
174	T2.040111.213513	WG360600-44	CCB		1		04/01/11 21:35
175	T2.040111.213851	WG360303-02	Method/Prep Blank	1/50	1		04/01/11 21:38
176	T2.040111.214226	WG360303-03	Laboratory Control S	1/50	1		04/01/11 21:42
177	T2.040111.214558	L11030832-10	8689-C0009	1.316/50	1		04/01/11 21:45
178	T2.040111.214935	WG360623-01	Post Digestion Spike		1	L11030832-10	04/01/11 21:49
179	T2.040111.215312	WG360623-02	Serial Dilution		5	L11030832-10	04/01/11 21:53
180	T2.040111.215637	WG360623-02	Serial Dilution		25	L11030832-10	04/01/11 21:56
181	T2.040111.220007	L11030832-11	8689-C0010	1.351/50	1		04/01/11 22:00
182	T2.040111.220343	L11030832-12	8689-C0011	1.378/50	1		04/01/11 22:03
183	T2.040111.220719	WG360303-01	Reference Sample		1	L11030832-13	04/01/11 22:07
184	T2.040111.221055	WG360303-04	Matrix Spike	1.312/50	1	L11030832-13	04/01/11 22:10
185	T2.040111.221444	WG360600-45	CCV		1		04/01/11 22:14
186	T2.040111.221804	WG360600-46	CCB		1		04/01/11 22:18
187	T2.040111.222141	WG360303-05	Matrix Spike Duplica	1.312/50	1	L11030832-13	04/01/11 22:21
188	T2.040111.222518	L11030832-16	8689-C0013	1.392/50	1		04/01/11 22:25
189	T2.040111.222911	L11030832-17	8689-C0014	1.33/50	1		04/01/11 22:29
190	T2.040111.223305	L11030832-18	8689-C0015	1.355/50	1		04/01/11 22:33
191	T2.040111.223642	L11030832-19	8689-C0016	1.441/50	1		04/01/11 22:36
192	T2.040111.224021	L11030832-20	8689-C0017	1.367/50	1		04/01/11 22:40
193	T2.040111.224407	L11030832-21	8689-C0018	1.336/50	1		04/01/11 22:44
194	T2.040111.224752	L11030832-22	8887-C0001	1.32/50	1		04/01/11 22:47
195	T2.040111.225123	L11030832-23	8887-C0002	1.381/50	1		04/01/11 22:51
196	T2.040111.225502	L11030832-24	8887-C0003	1.341/50	1		04/01/11 22:55
197	T2.040111.225850	WG360600-47	CCV		1		04/01/11 22:58
198	T2.040111.230211	WG360600-48	CCB		1		04/01/11 23:02
199	T2.040111.230551	L11030832-25	8887-C0004	1.411/50	1		04/01/11 23:05
200	T2.040111.230930	L11030832-26	8887-C0005	1.312/50	1		04/01/11 23:09
201	T2.040111.231300	L11030832-27	8887-C0007	1.324/50	1		04/01/11 23:13
202	T2.040111.231631	L11030832-28	8887-C0008	1.467/50	1		04/01/11 23:16
203	T2.040111.232008	L11030832-32	8887-C0010	1.473/50	1		04/01/11 23:20
204	T2.040111.232347	L11030832-33	8887-C0011	1.349/50	1		04/01/11 23:23

Page: 6 Approved: April 04, 2011

Sheri L. Babcock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
205	T2.040111.232718	L11030832-34	8887-C0012	1.37/50	1		04/01/11 23:27
206	T2.040111.233102	WG360600-49	CCV		1		04/01/11 23:31
207	T2.040111.233422	WG360600-50	CCB		1		04/01/11 23:34
208	T2.040111.233802	WG360310-02	Method/Prep Blank	1/50	1		04/01/11 23:38
209	T2.040111.234137	WG360310-03	Laboratory Control S	1/50	1		04/01/11 23:41
210	T2.040111.234508	WG360310-01	Reference Sample		1	L11030832-29	04/01/11 23:45
211	T2.040111.234847	WG360310-04	Matrix Spike	1.391/50	1	L11030832-29	04/01/11 23:48
212	T2.040111.235223	WG360310-05	Matrix Spike Duplica	1.391/50	1	L11030832-29	04/01/11 23:52
213	T2.040111.235600	L11030832-35	8887-C0013	1.363/50	1		04/01/11 23:56
214	T2.040111.235935	WG360624-01	Post Digestion Spike		1	L11030832-35	04/01/11 23:59
215	T2.040211.000309	WG360624-02	Serial Dilution		5	L11030832-35	04/02/11 00:03
216	T2.040211.000641	WG360624-02	Serial Dilution		25	L11030832-35	04/02/11 00:06
217	T2.040211.001011	L11030832-36	8887-C0014	1.384/50	1		04/02/11 00:10
218	T2.040211.001348	WG360600-51	CCV		1		04/02/11 00:13
219	T2.040211.001710	WG360600-52	CCB		1		04/02/11 00:17
220	T2.040211.002051	L11030832-37	8887-C0015	1.319/50	1		04/02/11 00:20
221	T2.040211.002429	L11030832-38	8887-C0016	1.337/50	1		04/02/11 00:24
222	T2.040211.002804	L11030832-39	8887-C0017	1.323/50	1		04/02/11 00:28
223	T2.040211.003142	L11030832-40	8887-C0018	1.432/50	1		04/02/11 00:31
224	T2.040211.003519	L11030832-41	8887-C0019	1.425/50	1		04/02/11 00:35
225	T2.040211.003855	L11030832-42	8887-C0020	1.43/50	1		04/02/11 00:38
226	T2.040211.004231	L11030832-43	8887-C0021	1.46/50	1		04/02/11 00:42
227	T2.040211.004606	L11030832-44	8887-C0022	1.352/50	1		04/02/11 00:46
228	T2.040211.004944	L11030832-45	8887-C0023	1.353/50	1		04/02/11 00:49
229	T2.040211.005316	L11030832-46	8887-C0024	1.35/50	1		04/02/11 00:53
230	T2.040211.005657	WG360600-53	CCV		1		04/02/11 00:56
231	T2.040211.010017	WG360600-54	CCB		1		04/02/11 01:00
232	T2.040211.010357	L11030832-47	8887-C0025	1.338/50	1		04/02/11 01:03
233	T2.040211.010734	L11030832-48	8887-C0026	1.394/50	1		04/02/11 01:07
234	T2.040211.011127	L11030833-01	8887-C0027	1.343/50	1		04/02/11 01:11
235	T2.040211.011504	L11030833-02	8887-C0028	1.424/50	1		04/02/11 01:15
236	T2.040211.011906	L11030833-06	8887-C0030	1.487/50	1		04/02/11 01:19
237	T2.040211.012243	L11030833-07	8887-C0031	1.328/50	1		04/02/11 01:22
238	T2.040211.012620	L11030833-08	8887-C0032	1.382/50	1		04/02/11 01:26

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Sheri L. Babcock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
239	T2.040211.013001	WG360600-55	CCV		1		04/02/11 01:30
240	T2.040211.013322	WG360600-56	CCB		1		04/02/11 01:33
241	T2.040211.013659	WG360320-02	Method/Prep Blank	1/50	1		04/02/11 01:36
242	T2.040211.014033	WG360320-03	Laboratory Control S	1/50	1		04/02/11 01:40
243	T2.040211.014405	L11030833-03	8887-C0029		1	WG360320-01	04/02/11 01:44
244	T2.040211.014742	L11030833-04	8887-C0029-MS	1.392/50	1	WG360320-04	04/02/11 01:47
245	T2.040211.015119	L11030833-05	8887-C0029-MSD	1.392/50	1	WG360320-05	04/02/11 01:51
246	T2.040211.015504	L11030833-09	8887-C0033	1.392/50	1		04/02/11 01:55
247	T2.040211.015841	WG360625-01	Post Digestion Spike		1	L11030833-09	04/02/11 01:58
248	T2.040211.020215	WG360625-02	Serial Dilution		5	L11030833-09	04/02/11 02:02
249	T2.040211.020549	WG360625-02	Serial Dilution		25	L11030833-09	04/02/11 02:05
250	T2.040211.020918	L11030833-10	8887-C0035	1.321/50	1		04/02/11 02:09
251	T2.040211.021307	WG360600-57	CCV		1		04/02/11 02:13
252	T2.040211.021629	WG360600-58	CCB		1		04/02/11 02:16
253	T2.040211.022006	L11030833-11	8887-C0036	1.416/50	1		04/02/11 02:20
254	T2.040211.022351	L11030833-12	8887-C0037	1.372/50	1		04/02/11 02:23
255	T2.040211.022729	L11030833-13	8887-C0038	1.318/50	1		04/02/11 02:27
256	T2.040211.023105	L11030833-14	8887-C0039	1.388/50	1		04/02/11 02:31
257	T2.040211.023441	L11030833-15	8887-C0040	1.318/50	1		04/02/11 02:34
258	T2.040211.023826	L11030833-16	8887-C0041	1.368/50	1		04/02/11 02:38
259	T2.040211.024210	L11030833-17	8887-C0042	1.411/50	1		04/02/11 02:42
260	T2.040211.024555	L11030833-18	8887-C0043	1.45/50	1		04/02/11 02:45
261	T2.040211.024957	L11030833-22	8887-C0045	1.454/50	1		04/02/11 02:49
262	T2.040211.025333	L11030833-23	8887-C0046	1.455/50	1		04/02/11 02:53
263	T2.040211.025710	WG360600-59	CCV		1		04/02/11 02:57
264	T2.040211.030029	WG360600-60	CCB		1		04/02/11 03:00
265	T2.040211.030409	L11030833-24	8887-C0047	1.395/50	1		04/02/11 03:04
266	T2.040211.030745	L11030833-25	8887-C0048	1.476/50	1		04/02/11 03:07
267	T2.040211.031122	L11030833-26	8887-C0049	1.338/50	1		04/02/11 03:11
268	T2.040211.031458	L11030833-27	8887-C0050	1.378/50	1		04/02/11 03:14
269	T2.040211.031834	L11030833-28	8887-C0051	1.463/50	1		04/02/11 03:18
270	T2.040211.032210	L11030833-29	8887-C0052	1.435/50	1		04/02/11 03:22
271	T2.040211.032547	L11030833-30	8887-C0053	1.389/50	1		04/02/11 03:25
272	T2.040211.032927	WG360600-61	CCV		1		04/02/11 03:29

Page: 8 Approved: April 04, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040111T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36924

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,3606

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
273	T2.040211.033247	WG360600-62	CCB		1		04/02/11 03:32

 Approved: April 04, 2011

Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 31-MAR-2011
Analyst: JYH
Analyst: NA
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 360579
Runlog ID: 39791
Analytical Workgroups: 360446,360447,360357,360356,360505,360449,360451,360515

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	
Level 4	823,824,834694,825,826,908,995
	999,1002,1004,1006,1008,1010,1012
	1030
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
01-APR-2011

Secondary Reviewer:
04-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-04-2011 09:58:38

Microbac Laboratories Inc.

Data Checklist

Date: 01-APR-2011
Analyst: JYH
Analyst: NA
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 360600
Runlog ID: 39794
Analytical Workgroups: 360505,360450,360601,360449,360602,360606,360623,360624,360625

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	
Level 4	999,1002,1004,1006,1008,1010,1012
	1030,825,824,826,827912,1043,
	1044,832,833
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:

Secondary Reviewer:
04-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-04-2011 16:54:12

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6010B AAB#: WG360505

Login Number: L11031030

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-32911-SS-7'-SW-	01	03/29/11					03/31/11	2	180		04/01/11	3	180	
SWMU-57-32911-SS-7'-SW-	01	03/29/11					03/31/11	2	180		03/31/11	2.3	180	
SWMU57-32911-SS-13'-FC-	02	03/29/11					03/31/11	2	180		03/31/11	2.2	180	
SWMU57-32911-SS-13'-FC-	02	03/29/11					03/31/11	2	180		04/01/11	2.9	180	
SWMU-57-33011-SS-FC-20'	03	03/30/11					03/31/11	.8	180		04/01/11	1.8	180	
SWMU-57-33011-SS-FC-20'	03	03/30/11					03/31/11	.8	180		03/31/11	1.1	180	
SWMU-57-33011-SS-FC-14'	04	03/30/11					03/31/11	.8	180		03/31/11	1.1	180	
SWMU-57-33011-SS-FC-14'	04	03/30/11					03/31/11	.8	180		04/01/11	1.8	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1960338
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11031030
Blank File ID: T2.033111.171929
Prep Date: 03/31/11 12:03
Analyzed Date: 03/31/11 17:19
Analyst: PDM

Work Group: WG360505
Blank Sample ID: WG360488-02
Instrument ID: ICP-THERMO2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360488-03	T2.033111.172257	03/31/11 17:22	01
SWMU-57-32911-SS-7'-SW-5	L11031030-01	T2.033111.185049	03/31/11 18:50	01
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	T2.033111.185422	03/31/11 18:54	01
SWMU-57-33011-SS-FC-20'-NUM3B	L11031030-03	T2.033111.185754	03/31/11 18:57	01
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	T2.033111.190130	03/31/11 19:01	01
LCS	WG360488-03	T2.040111.112210	04/01/11 11:22	02
SWMU-57-32911-SS-7'-SW-5	L11031030-01	T2.040111.112533	04/01/11 11:25	02
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	T2.040111.113245	04/01/11 11:32	02
SWMU-57-33011-SS-FC-20'-NUM3B	L11031030-03	T2.040111.113620	04/01/11 11:36	02
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	T2.040111.114001	04/01/11 11:40	02

Report Name: BLANK_SUMMARY
PDF File ID: 1960339
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11031030
Blank File ID: T2.040111.111838
Prep Date: 03/31/11 12:03
Analyzed Date: 04/01/11 11:18
Analyst: JYH

Work Group: WG360505
Blank Sample ID: WG360488-02
Instrument ID: ICP-THERMO2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360488-03	T2.033111.172257	03/31/11 17:22	01
SWMU-57-32911-SS-7'-SW-5	L11031030-01	T2.033111.185049	03/31/11 18:50	01
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	T2.033111.185422	03/31/11 18:54	01
SWMU-57-33011-SS-FC-20'-NUM3B	L11031030-03	T2.033111.185754	03/31/11 18:57	01
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	T2.033111.190130	03/31/11 19:01	01
LCS	WG360488-03	T2.040111.112210	04/01/11 11:22	02
SWMU-57-32911-SS-7'-SW-5	L11031030-01	T2.040111.112533	04/01/11 11:25	02
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	T2.040111.113245	04/01/11 11:32	02
SWMU-57-33011-SS-FC-20'-NUM3B	L11031030-03	T2.040111.113620	04/01/11 11:36	02
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	T2.040111.114001	04/01/11 11:40	02

Report Name: BLANK_SUMMARY
PDF File ID: 1960339
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11031030 Prep Date: 03/31/11 12:03 Sample ID: WG360488-02
Instrument ID: ICP-THERMO2 Run Date: 03/31/11 17:19 Prep Method: 3051A
File ID: T2.033111.171929 Analyst: PDM Method: 6010B
Workgroup (AAB#): WG360505 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ICP-TH - 31-MAR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	10.0	20.0	10.0	1	U
Iron, Total	1.50	3.00	1.53	1	*
Manganese, Total	0.250	0.500	0.250	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1960340
01-APR-2011 12:01

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11031030 Prep Date: 03/31/11 12:03 Sample ID: WG360488-02
Instrument ID: ICP-THERMO2 Run Date: 04/01/11 11:18 Prep Method: 3051A
File ID: T2.040111.111838 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360505 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ICP-TH-01-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Antimony, Total	0.500	1.00	0.500	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1960340
01-APR-2011 12:01

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360488-03
Instrument ID: ICP-THERMO2 Run Time: 17:22 Prep Method: 3051A
File ID: T2.033111.172257 Analyst: PDM Method: 6010B
Workgroup (AAB#): WG360505 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-31-MAR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	250	241	96.3	80 - 120	
Iron, Total	100	98.2	98.2	80 - 120	
Manganese, Total	12.5	12.3	98.8	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1960341
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360488-03
Instrument ID: ICP-THERMO2 Run Time: 11:22 Prep Method: 3051A
File ID: T2.040111.112210 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360505 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-01-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Antimony, Total	30.0	29.6	98.7	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1960341
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11031030 Cal ID:ICP-THERMO2- Worknum:WG360505
Instrument ID:ICP-THERMO2 Contract #: Method:6010B
Parent ID:WG360488-01 File ID:T2.033111.190130 Dil:1 Matrix:SOLID
Sample ID:WG360488-04 MS File ID:T2.033111.190503 Dil:1 Units:mg/kg
Sample ID:WG360488-05 MSD File ID:T2.033111.190834 Dil:1 Percent Solid:81.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	10800	232	11800	434	232	12800	855	7.94	80 - 120	20	*
Iron, Total	38200	92.7	33800	-4650	92.7	36900	-1330	8.68	80 - 120	20	*
Manganese, Total	142	11.6	157	132	11.6	276	1160	55.0	80 - 120	20	*#

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008
PDF File ID:1960342
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11031030 Cal ID:ICP-THERMO2- Worknum:WG360505

Instrument ID:ICP-THERMO2 Contract #: Method:6010B

Parent ID:WG360488-01 File ID:T2.040111.114001 Dil:1 Matrix:SOLID

Sample ID:WG360488-04 MS File ID:T2.040111.115422 Dil:1 Units:mg/kg

Sample ID:WG360488-05 MSD File ID:T2.040111.115756 Dil:1 Percent Solid:81.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Antimony, Total	ND	27.8	23.9	86.0	27.8	24.2	87.1	1.20	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008

PDF File ID: 1960342

Report generated 04/05/2011 10:05

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11031030 **Worknum:** WG360505
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360505-02 **File ID:** T2.033111.174449 **Dil:** 5 **Units:** mg/L
Sample: L11030995-01 **File ID:** T2.033111.173709 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	227		275.5		21.40	E
Antimony	.0151	F	ND	U		
Iron	920		1020		10.90	E
Manganese	7.65		8.15		6.54	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1960336
04/01/2011 12:04

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11031030 **Worknum:** WG360505
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360505-02 **File ID:** T2.033111.174822 **Dil:** 25 **Units:** mg/L
Sample: L11030995-01 **File ID:** T2.033111.174449 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	275.5		287.5		4.36	
Antimony	ND	U	ND	U		
Iron	1020		1015		0.49	
Manganese	8.15		8.075		0.92	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1960336
04/01/2011 12:04

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11031030 **Worknum:** WG360505
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360505-04 **File ID:** T2.040111.114341 **Dil:** 5 **Units:** mg/L
Sample: L11031030-01 **File ID:** T2.040111.112533 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	273		342.5		25.50	E
Antimony	ND	U	ND	U		
Iron	643		695		8.09	
Manganese	4		4.2		5.00	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11031030 **Worknum:** WG360505
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG360505-01 **File ID:** T2.033111.174100 **Dil:** 1 **Units:** mg/L
Sample ID: L11030995-01 **File ID:** T2.033111.173709 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	213		227		5	171.5	75 - 125	N
ANTIMONY	0.606		0.0151	F	.6	98.8	75 - 125	
IRON	851		920		2	******	75 - 125	N
MANGANESE	7.19		7.65		.25	121.4	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1960337
Report generated: 04/01/2011 12:04

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11031030 **Worknum:** WG360505
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG360505-03 **File ID:** T2.040111.112909 **Dil:** 1 **Units:** mg/L
Sample ID: L11031030-01 **File ID:** T2.040111.112533 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	251		273		5	112.7	75 - 125	
ANTIMONY	0.541		0	U	.6	90.2	75 - 125	
IRON	589		643		2	510.8	75 - 125	N
MANGANESE	3.87		4.00		.25	105.9	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1960337
Report generated: 04/01/2011 12:04

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11031030**	Workgroup (AAB#):	**WG360505**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG360579**	Initial Calibration Date:	**31-MAR-2011 09:58**

	WG360579-01		WG360579-02		WG360579-03		WG360579-04		WG360579-05			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ALUMINUM	0	0.0110	.1	0.0212	.2	0.0315	10	0.975	20	1.86	.999751	
ANTIMONY	0	0.0000900	.012	0.000290	.024	0.000500	1.2	0.0207	2.4	0.0403	.999941	
IRON	0	-0.0000100	.04	0.000690	.08	0.00141	4	0.0708	8	0.140	.999987	
MANGANESE	0	0.000310	.005	0.00132	.01	0.00223	.5	0.0956	1	0.190	.999987	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1960345
Report generated: 01-APR-2011 12:01

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11031030**	Workgroup (AAB#):	**WG360505**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG360600**	Initial Calibration Date:	**01-APR-2011 10:54**

	WG360600-01		WG360600-02		WG360600-03		WG360600-04		WG360600-05			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ALUMINUM	0	0.0121	.1	0.0229	.2	0.0333	10	0.995	20	1.96	.999953	
ANTIMONY	0	0.0000600	.012	0.000300	.024	0.000490	1.2	0.0224	2.4	0.0429	.999766	
IRON	0	0.0000200	.04	0.000680	.08	0.00139	4	0.0675	8	0.136	.999988	
MANGANESE	0	0.000190	.005	0.00117	.01	0.00213	.5	0.0932	1	0.187	.999987	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1960345
Report generated: 01-APR-2011 12:01

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-07
Instrument ID: ICP-THERMO2 Run Time: 10:05 Method: 6010B
File ID: T2.033111.100535 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG360505 Cal ID: ICP-THERI - 31-MAR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
IRON	.03	.06	.03	U
MANGANESE	.005	.01	.005	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1960347
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-07
Instrument ID: ICP-THERMO2 Run Time: 11:00 Method: 6010B
File ID: T2.040111.110058 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360505 Cal ID: ICP-THERI - 01-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
IRON	.03	.06	.03	U
MANGANESE	.005	.01	.005	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1960347
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-11
Instrument ID: ICP-THERMO2 Run Time: 10:19 Method: 6010B
File ID: T2.033111.101915 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11031030	Run Date:	03/31/2011	Sample ID:	WG360579-31
Instrument ID:	ICP-THERMO2	Run Time:	16:58	Method:	6010B
File ID:	T2.033111.165831	Analyst:	PDM	Units:	mg/L
Workgroup (AAB#):	WG360505	Cal ID:	ICP-TH - 31-MAR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-34

Instrument ID: ICP-THERMO2 Run Time: 17:15 Method: 6010B

File ID: T2.033111.171557 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-36

Instrument ID: ICP-THERMO2 Run Time: 17:58 Method: 6010B

File ID: T2.033111.175851 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-38

Instrument ID: ICP-THERMO2 Run Time: 18:43 Method: 6010B

File ID: T2.033111.184317 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0322	F
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-40
Instrument ID: ICP-THERMO2 Run Time: 19:15 Method: 6010B
File ID: T2.033111.191524 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-11

Instrument ID: ICP-THERMO2 Run Time: 11:14 Method: 6010B

File ID: T2.040111.111458 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-13
Instrument ID: ICP-THERMO2 Run Time: 11:50 Method: 6010B
File ID: T2.040111.115042 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-16
Instrument ID: ICP-THERMO2 Run Time: 12:35 Method: 6010B
File ID: T2.040111.123545 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960350
Report generated 04/05/2011 10:05

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-06

Instrument ID: ICP-THERMO2 Run Time: 10:02 Method: 6010B

File ID: T2.033111.100216 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.2	102	90 - 110	
Antimony		1.2	1.27	106	90 - 110	
Iron		4	4.00	99.9	90 - 110	
Manganese		.5	0.496	99.1	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1960346

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-06

Instrument ID: ICP-THERMO2 Run Time: 10:57 Method: 6010B

File ID: T2.040111.105737 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.1	101	90 - 110	
Antimony		1.2	1.25	104	90 - 110	
Iron		4	3.94	98.5	90 - 110	
Manganese		.5	0.498	99.6	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1960346

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-10

Instrument ID: ICP-THERMO2 Run Time: 10:15 Method: 6010B

File ID: T2.033111.101559 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.2	mg/L	102	90 - 110		
Antimony		1.20	1.27	mg/L	106	90 - 110		
Iron		4.00	4.08	mg/L	102	90 - 110		
Manganese		0.500	0.502	mg/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-30

Instrument ID: ICP-THERMO2 Run Time: 16:55 Method: 6010B

File ID: T2.033111.165514 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.5	mg/L	105	90 - 110		
Antimony		1.20	1.33	mg/L	111	90 - 110		*
Iron		4.00	3.90	mg/L	97.5	90 - 110		
Manganese		0.500	0.498	mg/L	99.5	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-33

Instrument ID: ICP-THERMO2 Run Time: 17:12 Method: 6010B

File ID: T2.033111.171239 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.4	mg/L	104	90 - 110		
Antimony		1.20	1.33	mg/L	111	90 - 110		*
Iron		4.00	3.90	mg/L	97.5	90 - 110		
Manganese		0.500	0.502	mg/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-35

Instrument ID: ICP-THERMO2 Run Time: 17:55 Method: 6010B

File ID: T2.033111.175535 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.5	mg/L	105	90 - 110		
Antimony		1.20	1.32	mg/L	110	90 - 110		
Iron		4.00	3.91	mg/L	97.8	90 - 110		
Manganese		0.500	0.496	mg/L	99.2	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-37

Instrument ID: ICP-THERMO2 Run Time: 18:39 Method: 6010B

File ID: T2.033111.183959 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.5	mg/L	105	90 - 110		
Antimony		1.20	1.32	mg/L	110	90 - 110		
Iron		4.00	3.84	mg/L	95.9	90 - 110		
Manganese		0.500	0.492	mg/L	98.4	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360579-39

Instrument ID: ICP-THERMO2 Run Time: 19:12 Method: 6010B

File ID: T2.033111.191207 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.5	mg/L	105	90 - 110		
Antimony		1.20	1.31	mg/L	109	90 - 110		
Iron		4.00	3.93	mg/L	98.2	90 - 110		
Manganese		0.500	0.495	mg/L	99.1	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-10

Instrument ID: ICP-THERMO2 Run Time: 11:11 Method: 6010B

File ID: T2.040111.111138 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.85	mg/L	98.5	90 - 110		
Antimony		1.20	1.22	mg/L	101	90 - 110		
Iron		4.00	3.89	mg/L	97.4	90 - 110		
Manganese		0.500	0.489	mg/L	97.7	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-12

Instrument ID: ICP-THERMO2 Run Time: 11:47 Method: 6010B

File ID: T2.040111.114722 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.0	mg/L	100	90 - 110		
Antimony		1.20	1.23	mg/L	103	90 - 110		
Iron		4.00	3.98	mg/L	99.5	90 - 110		
Manganese		0.500	0.498	mg/L	99.6	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/01/2011 12:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 04/01/2011 Sample ID: WG360600-15

Instrument ID: ICP-THERMO2 Run Time: 12:32 Method: 6010B

File ID: T2.040111.123223 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360505 Cal ID: ICP-TH - 01-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.2	mg/L	102	90 - 110		
Antimony		1.20	1.24	mg/L	103	90 - 110		
Iron		4.00	4.03	mg/L	101	90 - 110		
Manganese		0.500	0.501	mg/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960349

Report generated 04/05/2011 10:05

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11031030 **Workgroup (AAB#):** WG360505
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG360579-08 **File ID:** T2.033111.100905 **Units:** mg/L
Sol. AB : WG360579-09 **File ID:** T2.033111.101233 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	231	92.4	250	238	95.2	
Antimony	NS	-0.00157	NS	0.500	0.529	106	
Iron	100	97.8	97.8	100	98.8	98.8	
Manganese	NS	-0.00197	NS	0.250	0.237	94.8	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11031030 **Workgroup (AAB#):** WG360505
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG360600-08 **File ID:** T2.040111.110433 **Units:** mg/L
Sol. AB : WG360600-09 **File ID:** T2.040111.110805 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	229	91.6	250	220	88.0	
Antimony	NS	0.00139	NS	0.500	0.520	104	
Iron	100	96.9	96.9	100	93.7	93.7	
Manganese	NS	-0.00124	NS	0.250	0.243	97.2	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

LRC SAMPLE

Login Number:	L11031030	**Run Date:**	03/31/2011	**Sample ID:**	WG360579
Instrument ID:	ICP-THERMO2	**Run Time:**	09:58	**Prep Method:**	3051A
		Analyst:	PDM	**Method:**	6010B
Workgroup (AAB#):	WG360505	**Matrix:**	Solid	**Units:**	mg/kg
				Cal ID:	31-MAR-11 - 31-MAR-2011 09:58

Analytes	Expected	Found	% Rec	Limits	Q
Aluminum, Total	800	724	90.5	90 - 110	
Iron, Total	1000	929	92.9	90 - 110	
Manganese, Total	200	182	91.0	90 - 110	

KEMRON FORMS - Modified 08/28/2006
Version 1.5 PDF File ID: 1960358
Report generated 04/05/2011 10:09

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11031030 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.0000210	0	0	0	0
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00190	0	-0.000140	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	224.70	0	0	0	0	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000335	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	-0.000750	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	-0.0000300	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	-0.0000120	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0
ZINC	206.20	0.0000420	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1960344
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11031030 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.000820	0	0	0
ANTIMONY	206.80	0	0	0.00950	0	0.0000560
ARSENIC	189.00	0	0	0.000490	0	-0.0000120
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00343	0	0	-0.000619
CADMIUM	228.80	0	-0.00200	0	0	-0.00000800
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000530
COBALT	228.60	0	0	0.000108	0	0
COPPER	224.70	0	0.0000770	0	0	0.000196
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	-0.0000930	-0.000172	0.000809	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	-0.0000920	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000100	0	0	0.0000320
PHOSPHORUS	214.90	0	0	0	0.00200	0.00120
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0.0000570	0	0	0	0
THALLIUM	190.80	0	0.00397	0.000276	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	-0.00000200
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	-0.0000300

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1960344
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11031030 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	LI	MG	MN	MO	NA
ALUMINUM	308.20	0	0	0	0.0153	0
ANTIMONY	206.80	0	0	0	0.000670	0
ARSENIC	189.00	0	0	0	0.00109	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.00169	0
CADMIUM	228.80	0	0	0	0.0000220	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0.000160	0	0
COBALT	228.60	0	0	0	-0.000983	0
COPPER	224.70	0	0	0	0.00274	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	0	0	-0.00183	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	-0.00190	-0.0110	0
MANGANESE	257.60	0	0.00000900	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0.00800	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0.000156	0
SILICON	212.40	0	0	0	0.0187	0
SILVER	328.00	0	0	0	-0.0000440	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	-0.000153	0
VANADIUM	292.40	0	0	0	-0.00778	0
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1960344
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11031030 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	NI	SB	SN	SR	TI
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0	0	-0.00840	0	-0.000990
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	-0.000128	0	0	0	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000550
COBALT	228.60	0.000175	0	0	0	0.00188
COPPER	224.70	-0.0120	0	0	0	0.000269
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000110	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	-0.00290
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	-0.00620
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	-0.00170
TIN	189.90	0	0	0	0	-0.00220
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0.000824
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1960344
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11031030 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	V	ZN	ZR
ALUMINUM	308.20	0.00300	0	0
ANTIMONY	206.80	-0.00438	0	0
ARSENIC	189.00	0.000107	0	0
BARIUM	455.40	0	0	0
BERYLLIUM	313.00	0	0	0
BORON	249.70	0	0	0
CADMIUM	228.80	0.0000820	0	0
CALCIUM	422.70	0	0	0
CHROMIUM	267.70	0	0	
COBALT	228.60	0.0000200	0	0
COPPER	224.70	0	0	
IRON	261.20	0	0	0
LEAD	220.30	-0.000126	0	0
LITHIUM	670.80	0	0	0
MAGNESIUM	279.10	0	0	0
MANGANESE	257.60	0	0	0
MOLYBDENUM	202.03	-0.000110	0	0
NICKEL	231.60	0	0	0
PHOSPHORUS	214.90	-0.00500	0	0.00200
POTASSIUM	766.40	0	0	0
SELENIUM	196.00	0	0	0
SILICON	212.40	0	0	0
SILVER	328.00	-0.00617	0	0
SODIUM	589.50	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-0.0282	0	0
TIN	189.90	0	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0	0	
ZINC	206.20	0	0	0
ZIRCONIUM	339.20	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1960344
Report generated: 04/01/2011 12:01

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11031030 **Date:** 12/13/2010
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	810.0
Antimony	10.00	90.0
Arsenic	10.00	90.0
Barium	10.00	90.0
Beryllium	15.00	4.5
Boron	10.00	90.0
Cadmium	10.00	16.2
Calcium	10.00	900.0
Chromium	10.00	81.0
Cobalt	10.00	90.0
Copper	10.00	180.0
Iron	5.00	900.0
Lead	10.00	180.0
Lithium	10.00	90.0
Magnesium	15.00	900.0
Manganese	15.00	180.0
Molybdenum	10.00	9.0
Nickel	10.00	90.0
Phosphorus	10.00	900.0
Potassium	10.00	315.0
Selenium	10.00	90.0
Silicon	10.00	90.0
Silver	5.00	9.0
Sodium	10.00	315.0
Strontium	10.00	4.5
Thallium	10.00	9.0
Tin	10.00	90.0
Titanium	15.00	90.0
Vanadium	10.00	90.0
Zinc	10.00	45.0
Zirconium	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1960343
Report generated: 04/01/2011 12:01

2.1.1.3 Raw Data

Sample Name: S0 Acquired: 3/31/2011 9:45:04 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00051**	**.01098**	**-.00010**	**.00072**	**.00290**	**-.00180**	**-.00051**
Stddev	.00016	.00015	.00001	.00007	.00012	.00003	.00011
%RSD	31.401	1.4076	7.7090	9.1325	3.9997	1.7354	21.861
#1	-.00069	.01096	-.00010	.00065	.00278	-.00184	-.00059
#2	-.00044	.01115	-.00009	.00073	.00291	-.00178	-.00039
#3	-.00039	.01084	-.00009	.00078	.00301	-.00179	-.00057

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00007**	**-.00013**	**-.00016**	**.00014**	**-.00001**	**-.00011**	**-.00136**
Stddev	.00001	.00003	.00002	.00003	.00004	.00013	.00016
%RSD	19.295	23.614	12.731	19.618	260.32	115.46	11.620
#1	.00008	-.00010	-.00014	.00013	-.00006	-.00024	-.00118
#2	.00006	-.00016	-.00015	.00013	.00001	.00002	-.00141
#3	.00006	-.00014	-.00018	.00018	.00001	-.00011	-.00148

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00002**	**.00031**	**.00003**	**-.00338**	**-.00022**	**.00012**	**-.00024**
Stddev	.00004	.00005	.00001	.00007	.00001	.00003	.00004
%RSD	220.68	17.165	48.799	2.1569	2.8151	23.686	17.054
#1	-.00001	.00035	.00003	-.00346	-.00022	.00014	-.00027
#2	-.00006	.00025	.00001	-.00337	-.00021	.00012	-.00024
#3	.00002	.00033	.00004	-.00331	-.00023	.00009	-.00019

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00621**	**.00027**	**.00022**	**.00009**	**-.00009**	**.00042**	**.00002**
Stddev	.00032	.00001	.00001	.00001	.00003	.00001	.00001
%RSD	5.1036	2.8996	3.1079	8.2781	31.619	2.5177	77.742
#1	-.00606	.00028	.00022	.00010	-.00008	.00041	.00002
#2	-.00600	.00027	.00022	.00009	-.00006	.00043	.00003
#3	-.00658	.00027	.00021	.00009	-.00012	.00043	.00000

Approved: April 01, 2011

Sample Name: S0 Acquired: 3/31/2011 9:45:04 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00068**	**-.00064**	**-.00008**	**.00035**	**.00032**	**-.00108**
Stddev	.00002	.00002	.00001	.00005	.00000	.00021
%RSD	2.9148	2.3619	12.966	14.201	1.1556	19.766
#1	.00066	-.00066	-.00008	.00036	.00032	-.00100
#2	.00070	-.00063	-.00007	.00039	.00032	-.00132
#3	.00068	-.00064	-.00009	.00029	.00032	-.00092

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67676.**	**59705.**
Stddev	177.	464.
%RSD	.26185	.77664
#1	67613.	59700.
#2	67540.	60172.
#3	67877.	59244.

Approved: April 01, 2011

Sample Name: S1 Acquired: 3/31/2011 9:48:37 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00058**	**.02118**	**.01138**	**.00037**	**.00085**	**.00022**	**.00034**
Stddev	.00015	.00025	.00022	.00014	.00006	.00001	.00002
%RSD	26.059	1.1641	1.9426	38.793	7.4035	6.1101	4.3935
#1	.00059	.02089	.01163	.00032	.00085	.00021	.00033
#2	.00042	.02131	.01128	.00025	.00078	.00022	.00036
#3	.00072	.02133	.01122	.00053	.00090	.00024	.00035

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00133**	**.00057**	**.00069**	**.00461**	**.00047**	**.00053**	**.00132**
Stddev	.00002	.00003	.00004	.00006	.00018	.00005	.00000
%RSD	1.7347	5.8722	5.8112	1.2304	39.108	8.8997	.16725
#1	.00136	.00054	.00067	.00460	.00041	.00048	.00133
#2	.00132	.00058	.00065	.00468	.00032	.00057	.00133
#3	.00132	.00060	.00073	.00457	.00067	.00055	.00132

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00078**	**.01251**	**.00009**	**.00011**	**-.00001**	**-.00648**	**.00032**
Stddev	.00001	.00009	.00001	.00001	.00004	.00019	.00001
%RSD	.86970	.69295	5.8420	7.5904	654.71	2.8927	1.7096
#1	.00078	.01249	.00009	.00010	-.00001	-.00644	.00032
#2	.00078	.01261	.00009	.00012	.00004	-.00631	.00032
#3	.00077	.01243	.00008	.00011	-.00005	-.00668	.00031

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00022**	**.00029**	**.00044**	**.00056**	**.01522**	**.00050**	**.00541**
Stddev	.00001	.00003	.00001	.00002	.00009	.00010	.00008
%RSD	2.5041	9.0732	2.7203	3.0168	.61899	19.106	1.5680
#1	.00021	.00028	.00043	.00054	.01526	.00043	.00531
#2	.00022	.00032	.00045	.00056	.01528	.00046	.00548
#3	.00022	.00028	.00045	.00058	.01511	.00061	.00544

Approved: April 01, 2011

Sample Name: S1 Acquired: 3/31/2011 9:48:37 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00333**	**-.00109**
Stddev	.00003	.00009
%RSD	.79927	8.3385
#1	.00335	-.00099
#2	.00330	-.00110
#3	.00334	-.00117

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67936.**	**59075.**
Stddev	97.	1043.
%RSD	.14225	1.7657
#1	67987.	57886.
#2	67997.	59503.
#3	67825.	59836.

Approved: April 01, 2011

Sample Name: S2 Acquired: 3/31/2011 9:52:07 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

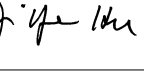
Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00163**	**.03154**	**.00007**	**.00213**	**.01958**	**.00236**	**.00256**
Stddev	.00006	.00024	.00001	.00013	.00019	.00004	.00009
%RSD	3.3800	.76613	21.552	6.3445	.97436	1.8645	3.6540
#1	.00168	.03130	.00008	.00207	.01974	.00233	.00262
#2	.00165	.03178	.00007	.00228	.01937	.00235	.00261
#3	.00157	.03154	.00005	.00202	.01961	.00241	.00245

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00040**	**.00080**	**.00273**	**.00099**	**.00141**	**.00887**	**.00216**
Stddev	.00000	.00002	.00005	.00004	.00001	.00018	.00018
%RSD	.70651	2.7218	1.8755	3.7187	.38030	1.9745	8.4036
#1	.00040	.00082	.00276	.00095	.00140	.00870	.00221
#2	.00040	.00080	.00267	.00099	.00141	.00905	.00196
#3	.00040	.00078	.00276	.00102	.00141	.00886	.00232

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00105**	**.00223**	**.00150**	**.02797**	**.00038**	**.00011**	**.00018**
Stddev	.00002	.00007	.00002	.00034	.00002	.00002	.00002
%RSD	1.8285	3.1653	1.3032	1.2183	4.3993	17.979	11.103
#1	.00103	.00224	.00150	.02835	.00038	.00010	.00019
#2	.00106	.00229	.00148	.02785	.00036	.00014	.00018
#3	.00106	.00215	.00152	.02771	.00039	.00011	.00016

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00644**	**.00034**	**.00020**	**.00050**	**-.00001**	**.00044**	**.00120**
Stddev	.00018	.00000	.00001	.00001	.00001	.00000	.00001
%RSD	2.8124	1.0427	4.5052	2.4559	150.73	.95214	.51139
#1	-.00663	.00034	.00021	.00050	.00000	.00045	.00120
#2	-.00626	.00034	.00019	.00051	-.00002	.00044	.00120
#3	-.00644	.00034	.00019	.00049	.00000	.00044	.00119

Approved: April 01, 2011



Sample Name: S2 Acquired: 3/31/2011 9:52:07 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02951**	**.00145**	**.00008**	**.01053**	**.00626**	**-.00099**
Stddev	.00012	.00006	.00000	.00002	.00001	.00005
%RSD	.39726	4.0733	5.4350	.14651	.14662	5.4115
#1	.02962	.00142	.00008	.01052	.00626	-.00095
#2	.02952	.00141	.00007	.01052	.00626	-.00098
#3	.02939	.00152	.00008	.01055	.00625	-.00105

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67848.**	**58857.**
Stddev	84.	455.
%RSD	.12351	.77345
#1	67910.	58331.
#2	67752.	59125.
#3	67881.	59115.

Approved: April 01, 2011

Sample Name: S3 Acquired: 3/31/2011 9:55:38 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.10368**	**.97478**	**.00716**	**.06641**	**.81523**	**.21601**	**.14761**
Stddev	.00157	.01047	.00004	.00079	.00107	.00224	.00034
%RSD	1.5100	1.0740	.53553	1.1962	.13076	1.0356	.23253
#1	.10241	.96587	.00717	.06568	.81522	.21378	.14768
#2	.10543	.98631	.00719	.06725	.81416	.21826	.14723
#3	.10320	.97216	.00712	.06629	.81629	.21600	.14791

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01795**	**.04417**	**.14134**	**.03965**	**.07077**	**.44788**	**.17687**
Stddev	.00009	.00012	.00131	.00015	.00018	.00123	.00025
%RSD	.48897	.26763	.92602	.38809	.25098	.27439	.14306
#1	.01790	.04414	.14017	.03957	.07076	.44740	.17669
#2	.01806	.04430	.14275	.03982	.07060	.44697	.17677
#3	.01790	.04407	.14110	.03954	.07095	.44928	.17716

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.05232**	**.09561**	**.07257**	**1.5561**	**.03083**	**.00016**	**.01835**
Stddev	.00016	.00044	.00001	.0036	.00250	.00003	.00012
%RSD	.31276	.46470	.02033	.23416	8.1170	19.414	.65014
#1	.05243	.09543	.07259	1.5533	.02979	.00015	.01838
#2	.05213	.09527	.07256	1.5549	.03368	.00019	.01846
#3	.05239	.09611	.07257	1.5602	.02901	.00013	.01822

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00651**	**.00533**	**.00186**	**.02068**	**.00392**	**.00129**	**.05198**
Stddev	.00010	.00168	.00162	.00007	.00001	.00036	.00013
%RSD	1.5925	31.459	87.168	.33091	.15363	28.098	.25855
#1	-.00662	.00478	.00134	.02065	.00392	.00117	.05193
#2	-.00641	.00721	.00367	.02076	.00393	.00170	.05214
#3	-.00651	.00400	.00056	.02064	.00391	.00100	.05188

Approved: April 01, 2011

Sample Name: S3 Acquired: 3/31/2011 9:55:38 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.4223**	**.10012**	**.00687**	**.51594**	^ *****	**-.00029**
Stddev	.0036	.00021	.00001	.00552	-----	.00016
%RSD	.24950	.20612	.15551	1.0696	-----	54.869
#1	1.4194	.10002	.00686	.51069	.30335	-.00047
#2	1.4212	.09998	.00688	.52169	^ -----	-.00025
#3	1.4262	.10036	.00687	.51544	.29641	-.00016

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65136.**	**58610.**
Stddev	638.	414.
%RSD	.97921	.70561
#1	65525.	58477.
#2	64400.	59073.
#3	65484.	58279.

Approved: April 01, 2011

Sample Name: S4 Acquired: 3/31/2011 9:58:57 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.20378**	**1.8574**	**.01433**	**.12882**	**1.6179**	**.43132**	**.29413**
Stddev	.00017	.0057	.00006	.00025	.0129	.00059	.00239
%RSD	.08530	.30718	.42150	.19749	.79640	.13793	.81112
#1	.20395	1.8590	.01440	.12853	1.6325	.43145	.29682
#2	.20381	1.8622	.01430	.12890	1.6128	.43184	.29227
#3	.20360	1.8511	.01430	.12902	1.6083	.43067	.29332

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03531**	**.08630**	**.27621**	**.07745**	**.14006**	**.89302**	**.35366**
Stddev	.00008	.00015	.00065	.00022	.00089	.00645	.00294
%RSD	.23415	.17189	.23671	.28841	.63826	.72228	.83151
#1	.03538	.08645	.27638	.07770	.14109	.90046	.35700
#2	.03534	.08630	.27677	.07735	.13954	.88898	.35253
#3	.03522	.08615	.27549	.07729	.13954	.88962	.35146

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.10320**	**.18968**	**.14399**	**3.0980**	**.05700**	**.00018**	**.03561**
Stddev	.00082	.00105	.00006	.0255	.00007	.00001	.00006
%RSD	.79492	.55375	.04468	.82153	.13008	8.4019	.15833
#1	.10413	.19087	.14394	3.1261	.05708	.00019	.03564
#2	.10288	.18928	.14397	3.0766	.05698	.00016	.03555
#3	.10259	.18888	.14406	3.0913	.05693	.00018	.03565

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00626**	**.00670**	**.00017**	**.04034**	**.00788**	**.00152**	**.10217**
Stddev	.00013	.00001	.00001	.00012	.00006	.00001	.00014
%RSD	2.0184	.19128	6.1439	.29637	.79017	.68844	.13699
#1	-.00612	.00669	.00018	.04047	.00793	.00151	.10227
#2	-.00628	.00671	.00018	.04025	.00790	.00153	.10222
#3	-.00637	.00670	.00016	.04029	.00781	.00152	.10201

Approved: April 01, 2011

Sample Name: S4 Acquired: 3/31/2011 9:58:57 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1310) Mode: IR Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.8418**	**.20045**	**.01321**	**1.0095**	**.58933**	**.00122**
Stddev	.0215	.00147	.00004	.0016	.00040	.00008
%RSD	.75666	.73549	.30391	.16000	.06749	6.6817
#1	2.8658	.20215	.01325	1.0077	.58917	.00114
#2	2.8242	.19953	.01320	1.0104	.58979	.00123
#3	2.8355	.19968	.01318	1.0106	.58905	.00130

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64980.**	**58889.**
Stddev	147.	435.
%RSD	.22590	.73785
#1	65048.	58388.
#2	64811.	59163.
#3	65080.	59116.

Approved: April 01, 2011

Sample Name: ICV Acquired: 3/31/2011 10:02:16 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40265**	**10.191**	**.39685**	**.50657**	**.99790**	**.05034**	**10.029**
Stddev	.00619	.106	.00037	.00559	.00226	.00050	.026
%RSD	1.5366	1.0405	.09303	1.1034	.22600	.99340	.26418
#1	.39866	10.125	.39686	.50254	.99655	.04993	10.053
#2	.39950	10.135	.39722	.50422	.99665	.05019	10.001
#3	.40977	10.313	.39648	.51295	1.0005	.05090	10.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05020**	**.20209**	**.50463**	**.50150**	**3.9972**	**50.069**	**1.0033**
Stddev	.00019	.00019	.00354	.00161	.0181	.137	.0018
%RSD	.36999	.09276	.70210	.32163	.45343	.27352	.17523
#1	.05002	.20202	.50125	.50004	4.0113	50.069	1.0049
#2	.05019	.20230	.50433	.50123	3.9767	49.932	1.0014
#3	.05039	.20194	.50832	.50323	4.0035	50.206	1.0036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9936**	**.49556**	F **1.0965**	**51.257**	**.51965**	F **5.3005**	**.50528**
Stddev	.0356	.00192	.0010	.110	.04375	5.0006	.00438
%RSD	.35647	.38737	.08916	.21528	8.4189	94.342	.86629
#1	10.019	.49763	1.0972	51.265	.49400	2.7706	.50583
#2	9.9528	.49385	1.0968	51.142	.49479	2.0704	.50066
#3	10.009	.49519	1.0954	51.363	.57017	11.061	.50936
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			5.0000%			-5.0000%	

Approved: April 01, 2011

Sample Name: ICV Acquired: 3/31/2011 10:02:16 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.0763**	F **12.318**	F **24.639**	F **1.2686**	**.40307**	F **694.76**	F **1.0621**
Stddev	5.2156	6.248	43.595	.0017	.00129	5.31	.0002
%RSD	484.57	50.722	176.93	.13396	.31985	.76456	.01693
#1	5.0760	8.6851	-.49918	1.2670	.40376	691.96	1.0622
#2	2.9757	8.7361	-.56173	1.2704	.40158	691.44	1.0619
#3	-4.8227	19.532	74.978	1.2685	.40386	700.89	1.0623
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000	10.000	10.000	1.2000		5.0000	1.0000
Range	-5.0000%	5.0000%	5.0000%	5.0000%		5.0000%	5.0000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99946**	F **1.0569**	**.50700**	**1.0241**	^F *****	F **1.1413**
Stddev	.00102	.0022	.00162	.0129	-----	.0385
%RSD	.10221	.20965	.31968	1.2577	-----	3.3711
#1	.99922	1.0569	.50514	1.0147	1.0148	1.1585
#2	.99858	1.0547	.50813	1.0188	1.0166	1.0972
#3	1.0006	1.0591	.50773	1.0388	^ -----	1.1681
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
Value		1.0000			1.0000	1.0000
Range		5.0000%			-5.0000%	5.0000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65205.**	**58773.**
Stddev	650.	544.
%RSD	.99662	.92563
#1	65688.	58161.
#2	65461.	59203.
#3	64466.	58954.

Approved: April 01, 2011

Sample Name: ICB Acquired: 3/31/2011 10:05:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.00353**	**.00079**	**.00201**	**.00042**	**.00002**	**-.00435**
Stddev	.00081	.00199	.00075	.00042	.00030	.00001	.00528
%RSD	200.54	56.283	95.392	20.876	72.019	40.063	121.41
#1	.00018	.00574	.00114	.00217	.00071	.00003	-.01034
#2	-.00006	.00191	.00130	.00153	.00011	.00001	-.00039
#3	-.00134	.00293	-.00008	.00232	.00043	.00003	-.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00001**	**-.00019**	**.00083**	**.01549**	**.04673**	**.00065**
Stddev	.00004	.00013	.00047	.00026	.00280	.02363	.00029
%RSD	49.354	980.70	240.14	31.010	18.112	50.571	45.199
#1	-.00013	-.00001	-.00062	.00113	.01226	.06801	.00074
#2	-.00005	.00015	-.00026	.00072	.01683	.05088	.00088
#3	-.00008	-.00011	.00030	.00065	.01737	.02130	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**.00091**	**.00002**	**.01304**	**.00025**	F **-1.9427**	**.00099**
Stddev	.00504	.00034	.00008	.00350	.00026	9.7501	.00112
%RSD	83.940	36.965	403.27	26.819	104.88	501.88	113.85
#1	.00879	.00098	-.00007	.00987	-.00003	3.5751	-.00022
#2	.00019	.00120	.00007	.01679	.00030	3.7971	.00118
#3	.00902	.00054	.00005	.01247	.00049	-13.200	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: ICB Acquired: 3/31/2011 10:05:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **23.041**	F **.03406**	F **.21616**	**-.00215**	**-.00143**	**.31037**	**.00023**
Stddev	5.067	.02657	.15403	.00011	.00066	.14084	.00013
%RSD	21.990	78.018	71.256	5.1463	46.141	45.377	57.189
#1	18.673	.05133	.37418	-.00226	-.00074	.24387	.00036
#2	28.595	.00346	.06647	-.00214	-.00205	.47215	.00021
#3	21.853	.04739	.20783	-.00204	-.00150	.21510	.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00039**	**.00061**	**.00018**	**.00242**	**-.05549**
Stddev	.00003	.00028	.00081	.00027	.00004	.09484
%RSD	33.825	71.738	134.12	146.63	1.6720	170.90
#1	.00012	.00070	-.00032	.00015	.00239	-.01090
#2	.00010	.00017	.00121	-.00007	.00242	.00883
#3	.00006	.00029	.00093	.00047	.00247	-.16440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67352.**	**58615.**
Stddev	149.	676.
%RSD	.22121	1.1530
#1	67253.	58242.
#2	67279.	59395.
#3	67523.	58207.

Approved: April 01, 2011

Sample Name: ICSA Acquired: 3/31/2011 10:09:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**231.41**	**-.00239**	**.04164**	**.00130**	**-.00002**	**243.23**
Stddev	.00056	1.89	.00161	.00096	.00026	.00002	3.08
%RSD	231.63	.81810	67.498	2.2975	19.989	75.739	1.2666
#1	-.00083	230.59	-.00364	.04273	.00145	-.00003	246.77
#2	.00027	233.57	-.00057	.04123	.00144	-.00003	241.77
#3	-.00016	230.06	-.00296	.04095	.00100	.00000	241.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00128**	**.00023**	**-.00153**	F **.00808**	**97.756**	**.08533**	**.01084**
Stddev	.00002	.00029	.00010	.00042	1.234	.02051	.00022
%RSD	1.6001	124.20	6.6764	5.1449	1.2625	24.038	1.9835
#1	.00129	.00023	-.00155	.00782	99.148	.10889	.01059
#2	.00126	-.00005	-.00161	.00787	97.321	.07555	.01097
#3	.00130	.00053	-.00141	.00856	96.798	.07153	.01096
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050			.00500			
Low Limit	-.00050			-.00500			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**250.88**	**-.00197**	**-.00064**	**.01033**	**-.00170**	F **-208.02**	**.00142**
Stddev	3.09	.00024	.00012	.01183	.00022	9.76	.00142
%RSD	1.2320	12.132	19.500	114.56	12.746	4.6921	99.761
#1	254.30	-.00174	-.00051	.02381	-.00146	-199.78	.00087
#2	250.05	-.00195	-.00066	.00171	-.00187	-218.80	.00303
#3	248.28	-.00222	-.00075	.00545	-.00178	-205.48	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.50000	
Low Limit						-.50000	

Approved: April 01, 2011

Sample Name: ICSA Acquired: 3/31/2011 10:09:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.1688**	F **198.77**	F **1.2165**	**-.00157**	**-.00557**	**.60198**	**-.00016**
Stddev	.6648	.98	.2886	.00152	.00209	.14417	.00025
%RSD	9.2740	.49058	23.722	97.033	37.545	23.950	156.07
#1	7.1914	197.65	1.1680	-.00109	-.00585	.53402	-.00042
#2	7.8221	199.41	.95532	-.00034	-.00335	.76757	.00008
#3	6.4930	199.26	1.5263	-.00327	-.00750	.50435	-.00014
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00634**	**.00075**	**-.00066**	**-.00650**	F **-4.3785**
Stddev	.00005	.00079	.00047	.00014	.00012	.0608
%RSD	29.170	12.388	61.870	21.487	1.8070	1.3881
#1	-.00014	-.00544	.00041	-.00053	-.00643	-4.4487
#2	-.00024	-.00685	.00128	-.00081	-.00664	-4.3443
#3	-.00016	-.00674	.00057	-.00065	-.00644	-4.3425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61215.**	**57113.**
Stddev	289.	442.
%RSD	.47197	.77389
#1	61532.	56792.
#2	60967.	56930.
#3	61145.	57617.

Approved: April 01, 2011

Sample Name: ICSAB Acquired: 3/31/2011 10:12:33 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50541**	**238.48**	**.24718**	**.04027**	**.24255**	**.26735**	**245.48**
Stddev	.00326	2.45	.00083	.00070	.00255	.00206	2.67
%RSD	.64487	1.0281	.33723	1.7496	1.0512	.77221	1.0868
#1	.50219	240.75	.24625	.04008	.24103	.26580	243.81
#2	.50535	235.88	.24743	.03969	.24112	.26656	244.08
#3	.50870	238.82	.24786	.04106	.24549	.26970	248.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46911**	**.24624**	**.24526**	**.25371**	**98.779**	**5.0099**	**.01222**
Stddev	.00106	.00032	.00160	.00032	.917	.0490	.00004
%RSD	.22662	.12914	.65358	.12517	.92835	.97831	.34605
#1	.46788	.24592	.24398	.25335	98.290	4.9623	.01219
#2	.46976	.24626	.24474	.25393	98.210	5.0073	.01227
#3	.46969	.24655	.24706	.25386	99.837	5.0602	.01220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**253.57**	**.23733**	**-.00071**	**4.9898**	**.48068**	F **-212.99**	**.48563**
Stddev	2.78	.00170	.00013	.0402	.00116	21.86	.00178
%RSD	1.0947	.71509	18.275	.80642	.24113	10.261	.36706
#1	252.17	.23716	-.00082	4.9662	.47939	-208.06	.48654
#2	251.77	.23572	-.00057	4.9668	.48104	-194.02	.48678
#3	256.76	.23911	-.00074	5.0362	.48162	-236.89	.48358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.50000	
Low Limit						-.50000	

Approved: April 01, 2011

Sample Name: ICSAB Acquired: 3/31/2011 10:12:33 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.444**	F **206.12**	F **1.2209**	**.52901**	**.24042**	**.78653**	**-.00054**
Stddev	9.175	.20	.0628	.00181	.00233	.11317	.00035
%RSD	63.522	.09914	5.1429	.34231	.97107	14.389	65.449
#1	22.504	206.14	1.2832	.52760	.23897	.74177	-.00046
#2	4.4594	205.90	1.1576	.52838	.23916	.70258	-.00024
#3	16.368	206.31	1.2217	.53105	.24311	.91524	-.00093
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00619**	**.45074**	**.25285**	**.47909**	F **-4.3732**
Stddev	.00005	.00042	.00182	.00145	.00096	.1062
%RSD	17.112	6.7841	.40420	.57327	.20116	2.4281
#1	-.00022	-.00656	.45058	.25208	.47879	-4.3473
#2	-.00030	-.00573	.44900	.25195	.47831	-4.2825
#3	-.00029	-.00629	.45263	.25453	.48017	-4.4900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60822.**	**57090.**
Stddev	144.	921.
%RSD	.23626	1.6125
#1	60766.	57286.
#2	60985.	57897.
#3	60715.	56087.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 10:15:59 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39662**	**10.204**	**.39944**	**.50394**	**1.0094**	**.04995**	**10.170**
Stddev	.00335	.122	.00219	.00517	.0039	.00037	.046
%RSD	.84562	1.1952	.54928	1.0256	.38455	.73549	.44951
#1	.39942	10.337	.40185	.50878	1.0069	.05031	10.136
#2	.39290	10.097	.39891	.49849	1.0138	.04958	10.222
#3	.39753	10.177	.39755	.50455	1.0073	.04996	10.152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05061**	**.20343**	**.50253**	**.50310**	**4.0771**	**50.578**	**1.0115**
Stddev	.00029	.00129	.00353	.00395	.0136	.239	.0034
%RSD	.58137	.63355	.70331	.78476	.33255	.47288	.34017
#1	.05095	.20492	.50601	.50762	4.0693	50.461	1.0113
#2	.05046	.20258	.49894	.50128	4.0928	50.853	1.0150
#3	.05041	.20280	.50265	.50038	4.0693	50.420	1.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.243**	**.50170**	F **1.1063**	**51.570**	**.49915**	F **12.937**	**.50965**
Stddev	.007	.00028	.0169	.253	.00554	2.701	.00383
%RSD	.06377	.05631	1.5257	.48968	1.1094	20.879	.75156
#1	10.240	.50195	1.1257	51.349	.50554	10.368	.51353
#2	10.239	.50177	1.0977	51.845	.49577	12.691	.50587
#3	10.251	.50139	1.0955	51.517	.49613	15.753	.50955
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 10:15:59 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.048**	F **8.8883**	F **-.09553**	**1.2671**	**.40222**	F **697.66**	**1.0720**
Stddev	4.019	.0819	.17308	.0061	.00338	6.41	.0115
%RSD	21.098	.92178	181.19	.48295	.84108	.91921	1.0703
#1	16.122	8.9768	-.23237	1.2731	.40032	705.05	1.0852
#2	23.630	8.8151	.09904	1.2609	.40022	694.37	1.0645
#3	17.393	8.8729	-.15324	1.2674	.40613	693.57	1.0663
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0016**	**1.0666**	**.51113**	**1.0153**	**1.0260**	**.91736**
Stddev	.0030	.0004	.00339	.0093	.0129	.15778
%RSD	.30183	.03780	.66284	.91260	1.2533	17.200
#1	.99872	1.0661	.51495	1.0248	1.0408	.74440
#2	1.0047	1.0666	.50848	1.0063	1.0176	.95425
#3	1.0012	1.0669	.50996	1.0149	1.0195	1.0534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65041.**	**56973.**
Stddev	513.	421.
%RSD	.78824	.73844
#1	64485.	57228.
#2	65495.	56487.
#3	65144.	57202.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 10:19:15 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01084**	**.00055**	**.00228**	**.00061**	**.00003**	**-.00532**
Stddev	.00032	.00209	.00057	.00059	.00011	.00001	.00381
%RSD	134.98	19.303	103.88	25.996	17.449	23.315	71.616
#1	.00006	.00848	-.00003	.00183	.00068	.00003	-.00888
#2	-.00058	.01249	.00057	.00207	.00066	.00002	-.00130
#3	-.00020	.01153	.00110	.00295	.00048	.00004	-.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00003**	**.00033**	**.00039**	**.00211**	**.01541**	**.00029**
Stddev	.00010	.00009	.00023	.00017	.00081	.03774	.00023
%RSD	243.61	304.27	70.261	43.899	38.437	244.86	78.189
#1	-.00007	.00013	.00029	.00020	.00279	-.02511	.00003
#2	.00007	-.00001	.00058	.00043	.00233	.04955	.00042
#3	-.00013	-.00003	.00012	.00054	.00121	.02179	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00601**	**.00029**	**.00001**	**.00314**	**-.00023**	F **4.5941**	**.00035**
Stddev	.00708	.00015	.00008	.00472	.00041	3.3767	.00085
%RSD	117.70	53.181	667.51	150.17	178.11	73.502	244.32
#1	.01371	.00046	.00004	.00703	-.00001	.69507	-.00062
#2	-.00022	.00018	.00008	.00450	.00002	6.5688	.00070
#3	.00456	.00022	-.00008	-.00211	-.00070	6.5183	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 10:19:15 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **23.566**	F **.12644**	F **.95716**	**-.00082**	**-.00237**	**.30270**	**.00004**
Stddev	4.741	.03425	.10308	.00140	.00034	.19743	.00013
%RSD	20.117	27.091	10.770	170.17	14.340	65.224	281.46
#1	24.575	.08969	1.0368	-.00053	-.00231	.52675	.00019
#2	27.721	.15747	.84073	-.00235	-.00274	.22719	.00000
#3	18.402	.13215	.99392	.00041	-.00207	.15417	-.00005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00065**	**.00014**	**.00016**	**.00003**	**-.00351**
Stddev	.00009	.00045	.00069	.00005	.00004	.09894
%RSD	48.887	68.771	481.26	30.025	108.20	2820.5
#1	.00029	.00115	.00086	.00020	.00006	.10609
#2	.00017	.00051	.00009	.00011	.00004	-.03038
#3	.00011	.00029	-.00052	.00016	-.00001	-.08624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66618.**	**57041.**
Stddev	221.	576.
%RSD	.33110	1.0101
#1	66869.	56563.
#2	66526.	56879.
#3	66458.	57681.

Approved: April 01, 2011

Sample Name: PBS 4R Acquired: 3/31/2011 10:22:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00148**	**-.00201**	**.00020**	**.00237**	**.00001**	**.00710**
Stddev	.00072	.00261	.00063	.00070	.00016	.00004	.00300
%RSD	714.14	175.74	31.354	346.11	6.8255	334.96	42.278
#1	-.00086	.00094	-.00166	.00047	.00228	.00000	.00788
#2	-.00003	-.00116	-.00163	-.00060	.00227	-.00002	.00963
#3	.00058	-.00424	-.00273	.00074	.00255	.00005	.00378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00033**	**.00067**	**.00062**	**.01151**	**.02569**	**.00005**
Stddev	.00004	.00007	.00038	.00042	.00297	.02535	.00056
%RSD	27.006	20.814	57.431	66.674	25.810	98.666	1096.3
#1	.00018	-.00036	.00085	.00097	.01451	.01065	.00026
#2	.00011	-.00026	.00093	.00016	.01144	.05495	-.00058
#3	.00017	-.00039	.00023	.00075	.00857	.01146	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**-.00037**	**.00004**	**.01345**	**.00040**	F **-20.380**	**.00174**
Stddev	.00227	.00009	.00010	.01082	.00030	4.889	.00083
%RSD	92.354	24.954	278.70	80.444	75.046	23.988	47.673
#1	.00402	-.00045	.00012	.02052	.00014	-15.936	.00256
#2	-.00015	-.00041	-.00007	.01884	.00073	-25.617	.00090
#3	.00350	-.00027	.00006	.00099	.00034	-19.586	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: PBS 4R Acquired: 3/31/2011 10:22:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1325**	**.65559**	**4.5179**	**-.00020**	**-.00046**	**2.2150**	**-.00004**
Stddev	9.6674	.03529	.2154	.00027	.00184	.1406	.00019
%RSD	453.33	5.3829	4.7682	133.80	395.40	6.3459	541.02
#1	-5.5486	.68173	4.6025	.00011	-.00099	2.1507	.00017
#2	-1.0418	.66959	4.6782	-.00033	-.00198	2.3763	-.00021
#3	12.988	.61545	4.2730	-.00039	.00158	2.1181	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00155**	**-.00185**	**-.00030**	**.00168**	F **-.06288**
Stddev	.00009	.00041	.00130	.00014	.00009	.10034
%RSD	104.38	26.795	70.092	46.032	5.3256	159.59
#1	.00000	.00160	-.00064	-.00033	.00173	.02362
#2	.00019	.00111	-.00322	-.00042	.00173	-.17289
#3	.00008	.00193	-.00170	-.00015	.00157	-.03935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66234.**	**57964.**
Stddev	704.	362.
%RSD	1.0630	.62371
#1	65460.	58026.
#2	66403.	58290.
#3	66837.	57575.

Approved: April 01, 2011

Sample Name: LCSS 4R Acquired: 3/31/2011 10:26:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18961**	**-.00452**	**.19072**	**.00001**	**.00117**	**.00005**	**.00227**
Stddev	.00045	.00125	.00153	.00014	.00017	.00003	.00498
%RSD	.23657	27.714	.80359	2503.4	14.516	47.012	219.72
#1	.18980	-.00331	.19200	.00013	.00100	.00002	.00800
#2	.18910	-.00581	.19115	.00004	.00134	.00007	-.00023
#3	.18993	-.00443	.18902	-.00015	.00117	.00006	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02401**	**-.00046**	**.00070**	**.25217**	**.00685**	**.01494**	**-.00060**
Stddev	.00024	.00007	.00040	.00211	.00130	.00923	.00088
%RSD	.99798	16.081	57.159	.83673	18.944	61.764	147.77
#1	.02426	-.00055	.00074	.25431	.00687	.00847	-.00162
#2	.02379	-.00043	.00028	.25010	.00554	.02550	-.00014
#3	.02398	-.00041	.00108	.25211	.00813	.01084	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**.26043**	**.00004**	**.02519**	**.00045**	F **-26.718**	**.25985**
Stddev	.00458	.00143	.00008	.00456	.00014	5.431	.00118
%RSD	63.318	.54879	185.38	18.094	30.990	20.329	.45499
#1	.00196	.25917	.00012	.02018	.00049	-29.120	.25948
#2	.00955	.26013	-.00004	.02631	.00029	-30.535	.25890
#3	.01021	.26198	.00005	.02909	.00056	-20.500	.26118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 4R Acquired: 3/31/2011 10:26:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.7390**	F **-.00482**	**.07901**	**-.00043**	**-.00070**	**1.7411**	**.00004**
Stddev	3.2157	.01095	.04287	.00149	.00087	.0329	.00026
%RSD	86.005	226.95	54.257	347.01	123.25	1.8888	588.76
#1	-7.4159	-.00370	.04385	.00043	-.00129	1.7287	.00000
#2	-1.4522	-.01629	.12677	.00043	-.00111	1.7162	.00033
#3	-2.3489	.00552	.06642	-.00215	.00029	1.7784	-.00019
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00171**	**-.00126**	**.00009**	**.00223**	F **-.06195**
Stddev	.00008	.00085	.00116	.00016	.00004	.10067
%RSD	399.13	49.885	92.420	175.43	1.9565	162.50
#1	-.00010	.00174	-.00259	.00015	.00219	.04989
#2	.00006	.00255	-.00074	-.00009	.00228	-.09045
#3	-.00003	.00084	-.00044	.00021	.00222	-.14529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67238.**	**59848.**
Stddev	256.	238.
%RSD	.38035	.39818
#1	66986.	60060.
#2	67497.	59590.
#3	67231.	59893.

Approved: April 01, 2011

Sample Name: L1103082336 Acquired: 3/31/2011 10:29:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**181.01**	**.12814**	**.16324**	**1.3886**	**.01175**	F **1144.7**
Stddev	.00045	.73	.00071	.00229	.0054	.00010	7.5
%RSD	6.9372	.40055	.55299	1.4030	.38712	.82673	.65170
#1	.00627	181.59	.12825	.16071	1.3863	.01169	1145.9
#2	.00628	180.20	.12878	.16516	1.3948	.01169	1136.7
#3	.00706	181.23	.12738	.16385	1.3848	.01186	1151.5
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00769**	**.13560**	**.39523**	**.16084**	**327.06**	**17.340**	**.25501**
Stddev	.00007	.00035	.00392	.00107	3.52	.064	.00140
%RSD	.95150	.25688	.99217	.66252	1.0776	.37010	.54860
#1	.00761	.13579	.39458	.16004	323.34	17.371	.25615
#2	.00773	.13520	.39168	.16042	330.35	17.383	.25345
#3	.00774	.13582	.39944	.16204	327.51	17.267	.25541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.556**	**9.3123**	**.01425**	**1.4462**	**.15378**	F **17531.**	**.35864**
Stddev	.120	.0045	.00057	.0072	.00099	25.	.00081
%RSD	.25673	.04798	4.0213	.50062	.64160	.14106	.22665
#1	46.546	9.3135	.01390	1.4543	.15440	17547.	.35877
#2	46.680	9.3161	.01393	1.4439	.15264	17502.	.35937
#3	46.441	9.3074	.01491	1.4404	.15429	17544.	.35777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082336 Acquired: 3/31/2011 10:29:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.302**	F **1286.8**	F **1292.9**	**.00712**	**.01107**	F **331.55**	**.01444**
Stddev	3.196	1.0	2.2	.00211	.00321	1.58	.00032
%RSD	6.9036	.07890	.17032	29.664	28.965	.47561	2.2222
#1	-44.971	1286.6	1294.2	.00828	.00819	332.15	.01412
#2	-43.985	1285.8	1294.2	.00468	.01452	332.73	.01476
#3	-49.948	1287.9	1290.4	.00838	.01050	329.76	.01446
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.3323**	**.50838**	**.01760**	**.62405**	**.95893**	F **124.16**
Stddev	.0573	.00142	.00080	.00405	.00118	1.44
%RSD	.90437	.27955	4.5184	.64903	.12306	1.1576
#1	6.3886	.50709	.01810	.62560	.95884	124.69
#2	6.2741	.50990	.01802	.61945	.95779	122.54
#3	6.3341	.50814	.01668	.62709	.96015	125.26
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60361.**	**60503.**
Stddev	193.	272.
%RSD	.31977	.44923
#1	60419.	60190.
#2	60518.	60684.
#3	60145.	60634.

Approved: April 01, 2011

Sample Name: L1103082337S Acquired: 3/31/2011 10:33:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19805**	**216.52**	**.31176**	**.17460**	**1.9769**	**.01198**	F **915.96**
Stddev	.00103	.86	.00198	.00046	.0028	.00003	5.42
%RSD	.52240	.39918	.63610	.26121	.14071	.25393	.59169
#1	.19755	215.72	.31235	.17500	1.9778	.01199	921.76
#2	.19924	217.43	.31338	.17470	1.9791	.01200	911.03
#3	.19736	216.41	.30955	.17411	1.9738	.01194	915.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03107**	**.25562**	**.38231**	**.38709**	**320.78**	**21.873**	**.26620**
Stddev	.00016	.00149	.00281	.00360	.54	.028	.00099
%RSD	.51678	.58426	.73541	.92911	.16946	.12576	.37348
#1	.03108	.25632	.38309	.38842	320.23	21.884	.26515
#2	.03123	.25663	.38466	.38983	320.79	21.894	.26712
#3	.03090	.25390	.37920	.38302	321.32	21.842	.26634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**43.134**	**14.560**	**.01370**	**1.4796**	**.17970**	F **16832.**	**.64062**
Stddev	.158	.054	.00038	.0070	.00074	68.	.00052
%RSD	.36567	.37366	2.7791	.47292	.41159	.40267	.08076
#1	43.176	14.520	.01348	1.4762	.17963	16832.	.64122
#2	43.268	14.622	.01414	1.4876	.18047	16900.	.64028
#3	42.960	14.538	.01347	1.4749	.17899	16764.	.64037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082337S Acquired: 3/31/2011 10:33:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.518**	F **1004.8**	F **1068.3**	**.00984**	**.01192**	F **347.30**	**.01311**
Stddev	7.176	5.0	2.0	.00259	.00088	1.98	.00052
%RSD	16.878	.49432	.18731	26.362	7.4079	.57048	3.9333
#1	-45.276	1006.6	1067.8	.01148	.01241	345.57	.01260
#2	-34.372	1008.6	1070.5	.00685	.01244	349.46	.01363
#3	-47.907	999.20	1066.6	.01119	.01090	346.87	.01309
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.5328**	**.90462**	**.01900**	**.65940**	**.94054**	F **137.88**
Stddev	.0170	.00385	.00102	.00215	.00300	1.28
%RSD	.37470	.42598	5.3841	.32543	.31870	.92710
#1	4.5270	.90164	.01940	.66062	.94265	138.83
#2	4.5519	.90897	.01977	.66067	.94185	138.38
#3	4.5195	.90325	.01784	.65693	.93710	136.43
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61193.**	**61267.**
Stddev	253.	593.
%RSD	.41372	.96846
#1	61013.	60592.
#2	61085.	61501.
#3	61483.	61707.

Approved: April 01, 2011

Sample Name: L1103082338SD Acquired: 3/31/2011 10:37:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19330**	**170.99**	**.31135**	**.16347**	**1.6899**	**.01157**	F **975.80**
Stddev	.00344	2.50	.00225	.00150	.0010	.00022	15.82
%RSD	1.7787	1.4616	.72256	.91726	.05933	1.9043	1.6209
#1	.19661	173.40	.31205	.16247	1.6896	.01171	961.83
#2	.19355	171.16	.31317	.16519	1.6910	.01169	992.97
#3	.18975	168.41	.30883	.16274	1.6891	.01132	972.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03121**	**.13826**	**.36373**	**.37823**	**326.49**	**16.324**	**.21725**
Stddev	.00024	.00131	.00653	.00536	1.80	.031	.00113
%RSD	.75705	.94640	1.7945	1.4173	.55106	.18822	.51937
#1	.03143	.13924	.36901	.38335	325.05	16.292	.21741
#2	.03126	.13876	.36576	.37867	328.51	16.353	.21605
#3	.03096	.13677	.35643	.37266	325.92	16.327	.21829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.089**	**10.367**	**.01431**	**1.2904**	**.15036**	F **17447.**	**.63643**
Stddev	.166	.027	.00018	.0076	.00121	141.	.00749
%RSD	.36750	.25664	1.2654	.58579	.80189	.80689	1.1774
#1	44.970	10.340	.01433	1.2992	.15101	17558.	.64096
#2	45.278	10.393	.01448	1.2860	.15110	17494.	.64056
#3	45.019	10.368	.01412	1.2861	.14897	17288.	.62778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082338SD Acquired: 3/31/2011 10:37:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360102-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.743**	F **1068.6**	F **1184.2**	**.01069**	**.01413**	F **356.13**	**.01134**
Stddev	1.854	10.0	3.3	.00187	.00040	1.99	.00028
%RSD	4.4417	.93957	.27719	17.509	2.8252	.55969	2.4402
#1	-40.184	1077.1	1184.2	.01002	.01444	356.66	.01161
#2	-41.253	1071.1	1187.5	.00925	.01428	357.79	.01136
#3	-43.793	1057.5	1181.0	.01281	.01368	353.92	.01106
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.0709**	**.55099**	**.01770**	**.62206**	**.91753**	F **113.04**
Stddev	.0269	.00148	.00086	.01208	.01008	2.80
%RSD	.52994	.26792	4.8719	1.9413	1.0982	2.4728
#1	5.0831	.54959	.01841	.63243	.92640	115.23
#2	5.0401	.55253	.01796	.62493	.91961	114.00
#3	5.0896	.55086	.01674	.60880	.90657	109.89
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60648.**	**61209.**
Stddev	590.	399.
%RSD	.97238	.65179
#1	60060.	61291.
#2	60645.	60776.
#3	61239.	61561.

Approved: April 01, 2011

Sample Name: L1103082339 Acquired: 3/31/2011 10:41:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**221.01**	**.17168**	**.20498**	**1.5427**	**.01641**	**137.06**
Stddev	.00057	.89	.00127	.00256	.0030	.00006	.28
%RSD	6.8355	.40141	.73842	1.2470	.19504	.33682	.20569
#1	.00877	221.87	.17313	.20326	1.5458	.01647	136.91
#2	.00859	220.10	.17108	.20376	1.5426	.01638	137.38
#3	.00770	221.05	.17082	.20791	1.5398	.01637	136.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**.44245**	**.45236**	**.15759**	**469.36**	**12.590**	**.17572**
Stddev	.00006	.00163	.00303	.00175	4.23	.007	.00041
%RSD	1.1461	.36763	.67035	1.1126	.90211	.05689	.23436
#1	.00542	.44432	.45574	.15961	467.07	12.596	.17613
#2	.00553	.44165	.44987	.15666	466.76	12.582	.17531
#3	.00544	.44139	.45146	.15650	474.25	12.593	.17573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.257**	**18.473**	**.02090**	**1.3868**	**.14079**	F **9634.6**	**.57262**
Stddev	.030	.040	.00011	.0043	.00017	34.9	.00177
%RSD	.13548	.21914	.52269	.30927	.12338	.36213	.30829
#1	22.223	18.433	.02078	1.3860	.14086	9668.9	.57356
#2	22.281	18.514	.02093	1.3914	.14059	9599.1	.57371
#3	22.267	18.473	.02099	1.3829	.14092	9635.8	.57058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082339 Acquired: 3/31/2011 10:41:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-26.576**	F **177.19**	F **456.96**	**.00935**	**.01738**	F **283.69**	**.01905**
Stddev	5.559	.64	1.11	.00027	.00162	.75	.00045
%RSD	20.917	.36188	.24343	2.8953	9.3339	.26268	2.3664
#1	-20.245	177.92	458.19	.00966	.01554	284.45	.01918
#2	-28.824	176.70	456.66	.00923	.01799	282.96	.01943
#3	-30.659	176.94	456.03	.00917	.01861	283.67	.01855
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72820**	**.48282**	**.02696**	**.87524**	**.61473**	F **165.79**
Stddev	.00196	.00099	.00167	.00228	.00136	.59
%RSD	.26900	.20533	6.2005	.26012	.22150	.35593
#1	.72653	.48343	.02553	.87779	.61627	166.44
#2	.73036	.48334	.02880	.87341	.61370	165.29
#3	.72771	.48167	.02655	.87452	.61422	165.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64114.**	**60448.**
Stddev	226.	146.
%RSD	.35307	.24177
#1	63856.	60283.
#2	64278.	60560.
#3	64208.	60501.

Approved: April 01, 2011

Sample Name: L1103082340 Acquired: 3/31/2011 10:44:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00621**	**209.04**	**.10877**	**.13450**	**1.6106**	**.01243**	**28.867**
Stddev	.00020	1.04	.00063	.00341	.0034	.00005	.056
%RSD	3.2908	.49948	.58062	2.5341	.21450	.42042	.19506
#1	.00600	210.20	.10845	.13470	1.6138	.01239	28.802
#2	.00641	208.17	.10836	.13780	1.6069	.01249	28.904
#3	.00623	208.75	.10950	.13100	1.6110	.01242	28.894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00468**	**.14946**	**.34843**	**.11751**	**283.39**	**31.033**	**.17081**
Stddev	.00007	.00034	.00037	.00024	4.27	.047	.00090
%RSD	1.5393	.22648	.10575	.20752	1.5061	.15131	.52963
#1	.00476	.14964	.34809	.11756	284.28	30.992	.17007
#2	.00462	.14968	.34882	.11724	287.14	31.024	.17054
#3	.00465	.14907	.34837	.11772	278.74	31.084	.17182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.481**	**10.938**	**.01383**	**1.6552**	**.11632**	F **12898.**	**.30853**
Stddev	.091	.029	.00037	.0154	.00046	19.	.00133
%RSD	.44380	.26595	2.6853	.93017	.39425	.15080	.43044
#1	20.404	10.904	.01390	1.6438	.11613	12914.	.30955
#2	20.581	10.954	.01417	1.6490	.11598	12904.	.30703
#3	20.458	10.954	.01343	1.6727	.11684	12877.	.30900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082340 Acquired: 3/31/2011 10:44:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-34.238**	F **94.806**	F **493.40**	**.00633**	**.00862**	F **306.19**	**.01292**
Stddev	7.199	.235	1.56	.00147	.00208	.29	.00014
%RSD	21.025	.24773	.31557	23.221	24.075	.09559	1.0538
#1	-41.846	94.923	495.03	.00524	.00892	305.99	.01282
#2	-27.535	94.959	493.25	.00574	.01054	306.53	.01288
#3	-33.333	94.536	491.93	.00800	.00642	306.05	.01308
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21023**	**.57727**	**.01659**	**.63303**	**.54014**	F **131.13**
Stddev	.00099	.00134	.00102	.00382	.00079	.84
%RSD	.46929	.23204	6.1455	.60415	.14702	.64123
#1	.20919	.57613	.01677	.62887	.53994	130.45
#2	.21035	.57694	.01751	.63639	.54102	132.07
#3	.21116	.57875	.01549	.63382	.53948	130.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66173.**	**62093.**
Stddev	80.	696.
%RSD	.12162	1.1203
#1	66229.	62400.
#2	66081.	61296.
#3	66209.	62582.

Approved: April 01, 2011

Sample Name: L1103082340PS Acquired: 3/31/2011 10:48:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360446-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20331**	**192.98**	**.28803**	**1.0113**	**1.9309**	**.03616**	**30.471**
Stddev	.00134	1.83	.00191	.0036	.0060	.00011	.140
%RSD	.66122	.94685	.66450	.35230	.31167	.31558	.46035
#1	.20326	191.81	.28957	1.0107	1.9336	.03627	30.493
#2	.20468	195.08	.28864	1.0080	1.9240	.03617	30.321
#3	.20199	192.03	.28589	1.0151	1.9350	.03604	30.599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02833**	**.23110**	**.55604**	**.34217**	**251.29**	**51.898**	**.63790**
Stddev	.00008	.00121	.00243	.00241	1.95	.180	.00254
%RSD	.26732	.52243	.43736	.70333	.77406	.34666	.39742
#1	.02838	.23213	.55881	.34440	250.54	51.906	.63962
#2	.02836	.23139	.55506	.34248	249.84	51.714	.63908
#3	.02824	.22977	.55426	.33962	253.50	52.074	.63499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.134**	**10.033**	**.55693**	**26.377**	**.34256**	F **11604.**	**.51036**
Stddev	.068	.013	.00073	.097	.00053	42.	.00158
%RSD	.29569	.12675	.13102	.36846	.15371	.36478	.30979
#1	23.089	10.026	.55661	26.349	.34221	11648.	.51138
#2	23.100	10.026	.55641	26.296	.34317	11601.	.51116
#3	23.213	10.048	.55776	26.485	.34230	11563.	.50854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082340PS Acquired: 3/31/2011 10:48:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360446-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-31.130**	F **88.852**	F **444.80**	**.59884**	**.19568**	F **615.92**	**.01226**
Stddev	6.951	.694	1.34	.00190	.00360	1.28	.00022
%RSD	22.328	.78066	.30213	.31682	1.8372	.20763	1.8207
#1	-23.137	89.372	445.97	.60015	.19984	617.18	.01241
#2	-35.758	89.120	443.33	.59970	.19367	615.95	.01201
#3	-34.496	88.065	445.10	.59666	.19355	614.63	.01238
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67175**	**1.0314**	**.24442**	**1.0729**	**.97825**	F **117.67**
Stddev	.00229	.0029	.00019	.0023	.00203	.53
%RSD	.34054	.28045	.07770	.21853	.20711	.45329
#1	.67118	1.0296	.24454	1.0740	.97893	118.28
#2	.66981	1.0300	.24453	1.0744	.97984	117.41
#3	.67428	1.0348	.24420	1.0702	.97597	117.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65851.**	**62123.**
Stddev	244.	451.
%RSD	.37102	.72627
#1	65695.	61752.
#2	65726.	62626.
#3	66133.	61992.

Approved: April 01, 2011

Sample Name: L1103082340DL Acquired: 3/31/2011 10:51:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360446-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**50.512**	**.02431**	**.02982**	**.32479**	**.00250**	**5.8641**
Stddev	.00051	.302	.00067	.00066	.00046	.00003	.0261
%RSD	60.696	.59732	2.7534	2.2136	.14129	1.2969	.44536
#1	.00066	50.598	.02508	.03027	.32521	.00251	5.8369
#2	.00045	50.762	.02394	.03013	.32487	.00246	5.8890
#3	.00142	50.177	.02391	.02906	.32430	.00252	5.8664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.03206**	**.07126**	**.02546**	**59.639**	**6.4323**	**.03450**
Stddev	.00007	.00006	.00032	.00047	.088	.0272	.00008
%RSD	8.3437	.20216	.44457	1.8459	.14730	.42295	.24619
#1	.00081	.03198	.07158	.02573	59.682	6.4631	.03449
#2	.00096	.03210	.07094	.02492	59.697	6.4226	.03459
#3	.00087	.03208	.07125	.02574	59.538	6.4113	.03442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4046**	**2.2632**	**.00275**	**.32452**	**.02447**	F **2842.8**	**.06915**
Stddev	.0203	.0069	.00009	.00747	.00070	13.7	.00066
%RSD	.46083	.30333	3.0949	2.3007	2.8553	.48120	.95938
#1	4.3812	2.2553	.00285	.31891	.02525	2835.4	.06915
#2	4.4146	2.2673	.00270	.32167	.02389	2834.3	.06848
#3	4.4179	2.2671	.00270	.33300	.02427	2858.5	.06981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082340DL Acquired: 3/31/2011 10:51:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360446-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.676**	F **20.949**	F **107.99**	**-.00086**	**.00060**	**69.251**	**.00237**
Stddev	10.449	.123	.11	.00043	.00122	.178	.00014
%RSD	46.078	.58843	.09845	49.842	202.72	.25728	5.7167
#1	20.995	20.991	108.11	-.00129	-.00070	69.422	.00231
#2	13.169	20.810	107.90	-.00087	.00079	69.264	.00228
#3	33.863	21.046	107.96	-.00043	.00172	69.067	.00253
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04224**	**.11848**	**.00524**	**.12808**	**.11544**	**25.012**
Stddev	.00012	.00003	.00075	.00071	.00021	.210
%RSD	.28664	.02902	14.284	.55151	.18311	.84018
#1	.04211	.11851	.00441	.12767	.11520	25.214
#2	.04235	.11847	.00585	.12768	.11560	25.027
#3	.04226	.11845	.00548	.12890	.11551	24.795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68133.**	**60364.**
Stddev	216.	760.
%RSD	.31767	1.2582
#1	68299.	61223.
#2	68211.	60088.
#3	67888.	59781.

Approved: April 01, 2011

Sample Name: L1103082340DL Acquired: 3/31/2011 10:55:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360446-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**10.552**	**.00670**	**.00494**	**.06399**	**.00048**	**1.1226**
Stddev	.00034	.039	.00105	.00045	.00046	.00002	.0093
%RSD	55.309	.37016	15.741	9.1396	.72206	3.7919	.82707
#1	-.00100	10.547	.00620	.00445	.06346	.00049	1.1132
#2	-.00052	10.515	.00791	.00534	.06418	.00049	1.1229
#3	-.00033	10.593	.00600	.00502	.06433	.00046	1.1318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00676**	**.01399**	**.00556**	**11.633**	**1.2693**	**.00699**
Stddev	.00004	.00005	.00010	.00016	.087	.0254	.00184
%RSD	284.08	.76346	.74928	2.9358	.74598	1.9986	26.299
#1	.00003	.00672	.01408	.00574	11.565	1.2585	.00841
#2	-.00005	.00674	.01400	.00542	11.602	1.2983	.00764
#3	-.00001	.00682	.01387	.00553	11.731	1.2511	.00491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88560**	**.44927**	**.00031**	**.04196**	**.00456**	**595.26**	**.01436**
Stddev	.01993	.00126	.00015	.00126	.00022	7.68	.00007
%RSD	2.2505	.27993	46.880	3.0138	4.7613	1.2894	.50161
#1	.87343	.44880	.00024	.04150	.00479	603.11	.01435
#2	.87477	.44831	.00022	.04340	.00451	587.77	.01430
#3	.90860	.45069	.00048	.04100	.00437	594.92	.01444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082340DL Acquired: 3/31/2011 10:55:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360446-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.825**	**4.3739**	F **22.326**	**-.00195**	**-.00071**	**13.645**	**.00012**
Stddev	6.858	.0161	.062	.00137	.00037	.058	.00022
%RSD	30.044	.36866	.27720	70.397	52.203	.42841	190.18
#1	30.709	4.3888	22.396	-.00230	-.00030	13.584	.00035
#2	19.527	4.3761	22.281	-.00312	-.00102	13.700	.00010
#3	18.240	4.3567	22.299	-.00044	-.00083	13.652	-.00010
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00842**	**.02334**	**.00231**	**.02503**	**.02413**	**3.8180**
Stddev	.00011	.00114	.00107	.00005	.00002	.1108
%RSD	1.3646	4.8861	46.165	.21934	.06264	2.9025
#1	.00829	.02324	.00170	.02500	.02413	3.9238
#2	.00844	.02453	.00354	.02510	.02412	3.8275
#3	.00852	.02226	.00168	.02501	.02415	3.7027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68510.**	**59457.**
Stddev	339.	371.
%RSD	.49503	.62411
#1	68158.	59684.
#2	68536.	59659.
#3	68835.	59029.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 10:58:46 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40007**	**10.145**	**.39684**	**.50313**	**.99667**	**.04998**	**9.9775**
Stddev	.00271	.055	.00374	.00477	.00451	.00029	.0525
%RSD	.67690	.53920	.94205	.94797	.45202	.58614	.52629
#1	.39851	10.130	.39441	.50194	.99183	.04972	9.9414
#2	.39851	10.098	.39496	.49907	.99745	.04993	9.9532
#3	.40320	10.205	.40115	.50839	1.0007	.05030	10.038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05036**	**.20275**	**.50086**	**.50154**	**4.0120**	**49.654**	**.99729**
Stddev	.00023	.00042	.00197	.00190	.0173	.222	.00432
%RSD	.45721	.20550	.39328	.37828	.43169	.44687	.43361
#1	.05033	.20263	.49962	.50064	3.9962	49.425	.99312
#2	.05015	.20240	.49982	.50025	4.0092	49.670	.99698
#3	.05060	.20321	.50313	.50372	4.0305	49.868	1.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.098**	**.49836**	**1.0969**	**51.045**	**.49720**	F **15.794**	**.50475**
Stddev	.077	.00200	.0005	.083	.00084	5.177	.00212
%RSD	.76417	.40078	.04477	.16319	.16903	32.775	.41998
#1	10.013	.49728	1.0968	50.995	.49626	10.517	.50465
#2	10.117	.49713	1.0975	51.000	.49747	16.001	.50268
#3	10.164	.50066	1.0965	51.142	.49788	20.864	.50692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 10:58:46 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **26.060**	F **8.8691**	F **.01054**	**1.2641**	**.39933**	F **692.70**	**1.0666**
Stddev	5.140	.0503	.10417	.0017	.00384	1.45	.0030
%RSD	19.723	.56691	987.91	.13545	.96167	.20895	.28511
#1	31.782	8.8342	.11902	1.2623	.39559	691.03	1.0655
#2	21.835	8.8463	-.08870	1.2657	.39913	693.38	1.0643
#3	24.562	8.9267	.00132	1.2642	.40326	693.67	1.0701
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99143**	**1.0578**	**.50959**	**1.0168**	**1.0229**	F **2.2921**
Stddev	.00126	.0033	.00044	.0074	.0027	.1001
%RSD	.12695	.30917	.08660	.72447	.26637	4.3662
#1	.99033	1.0548	.50960	1.0155	1.0222	2.2335
#2	.99116	1.0573	.50914	1.0102	1.0205	2.2352
#3	.99280	1.0613	.51003	1.0248	1.0259	2.4077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64939.**	**56979.**
Stddev	150.	499.
%RSD	.23072	.87644
#1	64997.	57467.
#2	65051.	57003.
#3	64768.	56469.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 11:02:01 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00518**	**.00045**	**.00184**	**.00031**	**.00000**	**-.00196**
Stddev	.00007	.00161	.00062	.00027	.00022	.00001	.00434
%RSD	42.306	31.033	136.77	14.753	71.440	197.30	221.04
#1	-.00009	.00582	-.00016	.00215	.00039	-.00001	-.00375
#2	-.00019	.00637	.00108	.00165	.00049	.00001	.00298
#3	-.00024	.00335	.00044	.00171	.00006	.00001	-.00512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00010**	**-.00020**	**-.00024**	**.00000**	**.04270**	**.00066**
Stddev	.00008	.00014	.00033	.00008	.00075	.02026	.00136
%RSD	166.44	145.58	164.03	35.236	49364.	47.438	206.43
#1	.00000	-.00015	-.00056	-.00028	-.00077	.06434	.00054
#2	-.00014	-.00021	-.00015	-.00030	.00005	.02420	-.00064
#3	.00000	.00006	.00010	-.00014	.00072	.03956	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.00023**	**.00002**	**.00778**	**-.00006**	F **3.5383**	**.00197**
Stddev	.01242	.00010	.00004	.01131	.00023	2.2996	.00019
%RSD	556.81	42.715	278.86	145.39	360.19	64.993	9.8712
#1	.00215	.00030	.00006	.00264	.00005	1.1067	.00191
#2	-.01015	.00028	.00002	-.00005	.00009	5.6780	.00218
#3	.01470	.00012	-.00003	.02075	-.00033	3.8301	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 11:02:01 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.7035**	F **.13843**	F **.87944**	**-.00017**	**-.00084**	**.10785**	**-.00007**
Stddev	12.414	.01814	.20056	.00091	.00067	.09718	.00000
%RSD	263.93	13.108	22.806	541.05	80.023	90.110	2.0322
#1	18.659	.14454	1.0654	.00013	-.00136	.17201	-.00006
#2	-5.1087	.15273	.66690	-.00119	-.00108	-.00396	-.00007
#3	.56007	.11802	.90606	.00056	-.00008	.15549	-.00007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00092**	**.00037**	**.00003**	**-.00003**	F **.15229**
Stddev	.00007	.00088	.00084	.00012	.00003	.07496
%RSD	209.55	96.445	228.50	463.12	105.98	49.223
#1	.00009	.00111	-.00039	-.00010	-.00006	.23234
#2	.00005	-.00005	.00128	.00015	-.00002	.08375
#3	-.00004	.00168	.00022	.00003	.00000	.14077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67011.**	**59359.**
Stddev	168.	1101.
%RSD	.25018	1.8550
#1	67083.	58162.
#2	67131.	59584.
#3	66820.	60329.

Approved: April 01, 2011

Sample Name: L1103082341 Acquired: 3/31/2011 11:05:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**218.02**	**.15956**	**.18099**	**1.3615**	**.01720**	**28.308**
Stddev	.00026	1.45	.00102	.00282	.0015	.00001	.079
%RSD	5.2701	.66286	.63770	1.5558	.10815	.05146	.28044
#1	.00525	218.21	.15844	.17816	1.3614	.01721	28.259
#2	.00482	219.36	.15982	.18380	1.3631	.01721	28.265
#3	.00478	216.49	.16042	.18101	1.3601	.01719	28.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00418**	**.18549**	**.45100**	**.13605**	**430.14**	**22.020**	**.15165**
Stddev	.00007	.00058	.00146	.00104	5.43	.061	.00089
%RSD	1.6406	.31175	.32283	.76250	1.2614	.27615	.58681
#1	.00426	.18596	.45249	.13719	424.98	21.971	.15081
#2	.00412	.18567	.45094	.13578	435.80	22.001	.15157
#3	.00418	.18485	.44958	.13517	429.64	22.088	.15258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.318**	**9.5401**	**.01833**	**2.5420**	**.11559**	F **10151.**	**.39094**
Stddev	.091	.0224	.00014	.0082	.00049	31.	.00098
%RSD	.42568	.23457	.78601	.32109	.41965	.30662	.25188
#1	21.228	9.5197	.01825	2.5325	.11614	10185.	.39133
#2	21.317	9.5365	.01849	2.5463	.11544	10123.	.38982
#3	21.409	9.5640	.01823	2.5471	.11521	10144.	.39167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082341 Acquired: 3/31/2011 11:05:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-28.805**	F **92.317**	F **474.08**	**.00878**	**.01001**	F **287.78**	**.01349**
Stddev	7.928	.332	.41	.00065	.00065	.78	.00038
%RSD	27.523	.35965	.08632	7.4186	6.5341	.27077	2.8224
#1	-36.966	92.498	474.55	.00804	.00962	287.90	.01349
#2	-28.315	92.520	473.80	.00905	.01077	288.49	.01387
#3	-21.133	91.934	473.89	.00926	.00965	286.94	.01311
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22461**	**.29538**	**.02255**	**.83001**	**.39946**	F **156.05**
Stddev	.00063	.00036	.00053	.00179	.00012	.92
%RSD	.27947	.12098	2.3349	.21524	.02995	.59040
#1	.22399	.29559	.02194	.83193	.39957	157.07
#2	.22460	.29497	.02281	.82972	.39933	155.80
#3	.22524	.29558	.02289	.82839	.39950	155.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64744.**	**61634.**
Stddev	84.	346.
%RSD	.12932	.56114
#1	64651.	62033.
#2	64813.	61446.
#3	64769.	61423.

Approved: April 01, 2011

Sample Name: L1103082342 Acquired: 3/31/2011 11:09:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**368.36**	**.13868**	**.19880**	**1.3831**	**.01987**	**30.227**
Stddev	.00017	2.96	.00074	.00178	.0030	.00005	.061
%RSD	3.8050	.80409	.53226	.89505	.21772	.26745	.20131
#1	.00455	371.73	.13915	.19837	1.3851	.01984	30.277
#2	.00423	366.17	.13783	.19727	1.3846	.01993	30.244
#3	.00431	367.17	.13905	.20075	1.3797	.01984	30.159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**.12981**	**.44063**	**.17511**	**456.31**	**31.081**	**.28315**
Stddev	.00003	.00026	.00133	.00268	3.08	.027	.00070
%RSD	.89135	.19857	.30125	1.5317	.67525	.08790	.24639
#1	.00368	.12981	.44207	.17757	454.17	31.087	.28310
#2	.00371	.13006	.43945	.17550	454.93	31.051	.28248
#3	.00375	.12955	.44038	.17225	459.84	31.104	.28388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.023**	**2.8609**	**.02021**	**4.4236**	**.18043**	F **8472.4**	**.29472**
Stddev	.063	.0037	.00070	.0060	.00142	11.0	.00043
%RSD	.19749	.12909	3.4709	.13687	.78673	.12928	.14573
#1	31.955	2.8638	.02046	4.4304	.18205	8473.5	.29423
#2	32.080	2.8621	.01941	4.4219	.17983	8482.8	.29504
#3	32.036	2.8567	.02075	4.4186	.17941	8461.0	.29489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082342 Acquired: 3/31/2011 11:09:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.785**	F **100.73**	F **519.99**	**.00678**	**.00883**	F **309.76**	**.01849**
Stddev	1.995	.75	.93	.00328	.00306	1.36	.00044
%RSD	3.9291	.74781	.17953	48.460	34.650	.43949	2.3744
#1	-49.361	101.44	521.04	.00397	.01180	311.15	.01883
#2	-53.066	100.81	519.27	.01039	.00569	309.70	.01800
#3	-49.929	99.942	519.64	.00597	.00900	308.43	.01866
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27287**	**.36696**	**.02158**	**.84078**	**.47706**	F **235.79**
Stddev	.00056	.00108	.00252	.00302	.00095	.53
%RSD	.20346	.29492	11.669	.35940	.19887	.22426
#1	.27341	.36809	.02265	.83822	.47784	235.22
#2	.27291	.36593	.02338	.84412	.47734	236.27
#3	.27230	.36688	.01870	.84001	.47600	235.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65154.**	**63955.**
Stddev	250.	112.
%RSD	.38444	.17486
#1	64967.	63849.
#2	65056.	63944.
#3	65439.	64071.

Approved: April 01, 2011

Sample Name: L1103082343 Acquired: 3/31/2011 11:12:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**177.20**	**.11128**	**.12681**	**1.5770**	**.01229**	**312.24**
Stddev	.00096	1.53	.00086	.00235	.0032	.00001	6.66
%RSD	17.860	.86477	.77158	1.8500	.20143	.06789	2.1343
#1	.00574	177.72	.11071	.12883	1.5805	.01230	313.12
#2	.00428	175.47	.11227	.12424	1.5761	.01229	305.17
#3	.00608	178.40	.11086	.12736	1.5743	.01228	318.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.19344**	**.30090**	**.13386**	**277.59**	**23.501**	**.14962**
Stddev	.00002	.00014	.00063	.00073	1.99	.019	.00093
%RSD	.44201	.07210	.20783	.54212	.71789	.07903	.62281
#1	.00504	.19330	.30024	.13404	279.17	23.481	.14915
#2	.00506	.19358	.30148	.13448	275.35	23.507	.14901
#3	.00508	.19343	.30097	.13306	278.24	23.517	.15069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.072**	**10.845**	**.01561**	**1.3532**	**.11281**	F **17219.**	**.36133**
Stddev	.053	.021	.00011	.0046	.00038	21.	.00093
%RSD	.26323	.19735	.68175	.34063	.33738	.12086	.25631
#1	20.128	10.853	.01559	1.3518	.11288	17227.	.36031
#2	20.024	10.821	.01552	1.3495	.11314	17236.	.36157
#3	20.064	10.862	.01573	1.3584	.11239	17196.	.36212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082343 Acquired: 3/31/2011 11:12:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.932**	F **338.17**	F **510.69**	**.00914**	**.01030**	F **349.00**	**.01240**
Stddev	10.491	.14	.71	.00181	.00162	.22	.00012
%RSD	21.011	.04006	.13946	19.757	15.698	.06162	.96617
#1	-37.820	338.01	511.46	.00731	.01202	349.22	.01239
#2	-56.187	338.27	510.06	.00919	.01007	348.79	.01252
#3	-55.788	338.21	510.56	.01093	.00881	348.99	.01229
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4784**	**.40486**	**.01534**	**.57471**	**.59527**	F **131.01**
Stddev	.0012	.00088	.00032	.00084	.00067	.12
%RSD	.08102	.21726	2.0768	.14561	.11230	.09424
#1	1.4772	.40450	.01509	.57428	.59472	131.15
#2	1.4796	.40587	.01570	.57567	.59601	130.96
#3	1.4785	.40423	.01524	.57417	.59506	130.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64929.**	**63956.**
Stddev	41.	645.
%RSD	.06297	1.0079
#1	64974.	63328.
#2	64917.	64616.
#3	64895.	63923.

Approved: April 01, 2011

Sample Name: L1103082344 Acquired: 3/31/2011 11:16:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00570**	**222.04**	**.17774**	**.23748**	**1.4917**	**.02285**	**22.234**
Stddev	.00035	.62	.00073	.00191	.0042	.00002	.078
%RSD	6.1898	.27960	.41183	.80315	.27934	.10611	.35226
#1	.00590	222.18	.17777	.23535	1.4869	.02283	22.147
#2	.00530	222.58	.17699	.23902	1.4945	.02285	22.257
#3	.00591	221.36	.17846	.23807	1.4936	.02288	22.299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00460**	**.23080**	**.49309**	**.16976**	**568.29**	**15.073**	**.14804**
Stddev	.00007	.00054	.00100	.00132	1.77	.066	.00025
%RSD	1.4228	.23510	.20314	.77751	.31203	.43638	.16681
#1	.00452	.23138	.49253	.17076	566.25	14.998	.14778
#2	.00463	.23071	.49249	.17025	569.15	15.104	.14806
#3	.00465	.23030	.49425	.16826	569.46	15.118	.14827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.757**	**11.875**	**.01888**	**2.6748**	**.18174**	F **9960.9**	**.38055**
Stddev	.082	.026	.00018	.0121	.00079	13.6	.00135
%RSD	.39445	.21544	.94925	.45166	.43545	.13661	.35551
#1	20.663	11.846	.01872	2.6670	.18259	9976.4	.37985
#2	20.807	11.886	.01885	2.6887	.18158	9955.3	.38211
#3	20.802	11.894	.01907	2.6687	.18103	9951.0	.37968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082344 Acquired: 3/31/2011 11:16:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.743**	F **111.93**	F **657.19**	**.00680**	**.01234**	F **316.01**	**.01211**
Stddev	3.307	.36	.41	.00190	.00276	.69	.00028
%RSD	8.1165	.32199	.06214	27.900	22.375	.21870	2.3163
#1	-39.233	112.24	657.12	.00562	.01087	315.51	.01179
#2	-44.536	112.01	657.64	.00898	.01062	316.80	.01232
#3	-38.461	111.54	656.83	.00579	.01552	315.72	.01221
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19342**	**.33691**	**.02428**	**.82925**	**.39201**	F **134.09**
Stddev	.00050	.00100	.00074	.00149	.00086	.31
%RSD	.25757	.29559	3.0500	.17940	.21976	.23162
#1	.19285	.33773	.02475	.83097	.39290	133.76
#2	.19379	.33721	.02466	.82853	.39195	134.15
#3	.19363	.33580	.02342	.82827	.39118	134.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66599.**	**64909.**
Stddev	150.	242.
%RSD	.22510	.37304
#1	66472.	65065.
#2	66561.	65032.
#3	66765.	64630.

Approved: April 01, 2011

Sample Name: L1103082345 Acquired: 3/31/2011 11:19:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00851**	**181.66**	**.14884**	**.18678**	**1.7149**	**.01386**	**40.083**
Stddev	.00039	1.41	.00119	.00267	.0032	.00007	.124
%RSD	4.6083	.77741	.79880	1.4269	.18483	.53654	.30882
#1	.00890	180.40	.14997	.18373	1.7123	.01379	39.957
#2	.00812	183.18	.14895	.18864	1.7141	.01384	40.087
#3	.00852	181.40	.14760	.18797	1.7184	.01394	40.204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**.25206**	**.42379**	**.24763**	**403.65**	**16.615**	**.14121**
Stddev	.00011	.00033	.00179	.00104	6.25	.046	.00085
%RSD	1.5334	.13193	.42218	.41905	1.5496	.27836	.59853
#1	.00696	.25243	.42228	.24881	397.34	16.564	.14097
#2	.00710	.25197	.42332	.24687	403.76	16.627	.14215
#3	.00717	.25178	.42577	.24721	409.85	16.655	.14051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.820**	**17.325**	**.02026**	**1.9911**	**.15696**	F **25849.**	**.50591**
Stddev	.103	.027	.00014	.0097	.00055	15.	.00036
%RSD	.54524	.15584	.66734	.48508	.35130	.05740	.07042
#1	18.710	17.299	.02037	1.9834	.15745	25840.	.50553
#2	18.834	17.322	.02030	2.0020	.15708	25841.	.50623
#3	18.914	17.353	.02011	1.9880	.15636	25866.	.50596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082345 Acquired: 3/31/2011 11:19:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.741**	F **141.86**	F **764.60**	**.00933**	**.01390**	F **302.16**	**.01391**
Stddev	1.207	.36	.80	.00194	.00288	.37	.00019
%RSD	2.2888	.25689	.10518	20.768	20.721	.12330	1.3499
#1	-53.670	142.19	764.34	.01156	.01064	302.34	.01413
#2	-51.377	141.47	763.95	.00808	.01609	301.74	.01377
#3	-53.177	141.91	765.50	.00835	.01496	302.42	.01384
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27869**	**.52716**	**.02147**	**.69696**	**.85845**	F **107.95**
Stddev	.00038	.00095	.00166	.00317	.00036	.11
%RSD	.13748	.18012	7.7187	.45481	.04234	.09868
#1	.27844	.52637	.02339	.69479	.85877	108.02
#2	.27849	.52690	.02058	.69549	.85852	108.00
#3	.27913	.52821	.02046	.70060	.85805	107.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66787.**	**64457.**
Stddev	63.	276.
%RSD	.09393	.42775
#1	66858.	64761.
#2	66765.	64223.
#3	66739.	64387.

Approved: April 01, 2011

Sample Name: L1103082346 Acquired: 3/31/2011 11:23:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00928**	**237.54**	**.17510**	**.28268**	**1.8097**	**.02325**	**22.693**
Stddev	.00055	.87	.00098	.00255	.0067	.00008	.057
%RSD	5.9556	.36773	.56202	.90327	.37057	.36019	.25306
#1	.00871	238.41	.17466	.28509	1.8142	.02320	22.737
#2	.00981	237.53	.17442	.28295	1.8128	.02335	22.714
#3	.00933	236.67	.17623	.28000	1.8020	.02322	22.628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**.60758**	**.38644**	**.21225**	**698.67**	**10.526**	**.17217**
Stddev	.00014	.00139	.00100	.00347	3.22	.055	.00093
%RSD	3.1628	.22890	.25849	1.6334	.46102	.52459	.53740
#1	.00450	.60726	.38691	.21604	700.30	10.566	.17211
#2	.00459	.60638	.38713	.20925	700.75	10.549	.17312
#3	.00431	.60911	.38530	.21144	694.96	10.463	.17128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.993**	**29.949**	**.02477**	**3.4175**	**.29852**	F **9061.1**	**.70184**
Stddev	.052	.523	.00016	.0106	.00071	5.6	.00219
%RSD	.23471	1.7474	.66023	.30924	.23619	.06155	.31161
#1	22.037	29.412	.02475	3.4290	.29915	9067.0	.69945
#2	22.005	30.458	.02495	3.4151	.29776	9055.9	.70231
#3	21.936	29.977	.02462	3.4083	.29864	9060.5	.70375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082346 Acquired: 3/31/2011 11:23:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.507**	F **92.305**	F **503.09**	**.00567**	**.01892**	F **290.44**	**.01280**
Stddev	2.693	.228	1.18	.00117	.00398	.07	.00009
%RSD	7.1791	.24743	.23387	20.594	21.023	.02273	.69834
#1	-37.731	92.426	502.15	.00642	.01954	290.42	.01286
#2	-40.080	92.041	502.70	.00627	.02254	290.52	.01270
#3	-34.709	92.447	504.41	.00433	.01466	290.39	.01284
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19285**	**.25850**	**.02943**	**.76048**	**.45598**	F **129.86**
Stddev	.00057	.00134	.00108	.00257	.00021	.10
%RSD	.29815	.51881	3.6579	.33853	.04605	.08010
#1	.19327	.25967	.02905	.76017	.45622	129.80
#2	.19308	.25880	.03064	.76320	.45590	129.98
#3	.19219	.25704	.02858	.75808	.45583	129.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64996.**	**63169.**
Stddev	77.	127.
%RSD	.11911	.20107
#1	64907.	63023.
#2	65049.	63256.
#3	65032.	63227.

Approved: April 01, 2011

Sample Name: L1103082347 Acquired: 3/31/2011 11:27:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**189.93**	**.12202**	**.16154**	**1.3692**	**.01269**	**140.42**
Stddev	.00094	1.29	.00084	.00377	.0063	.00007	.25
%RSD	15.688	.68176	.69111	2.3311	.46028	.56907	.17619
#1	.00653	190.69	.12248	.15727	1.3719	.01275	140.32
#2	.00489	188.43	.12104	.16297	1.3737	.01261	140.70
#3	.00650	190.66	.12253	.16439	1.3620	.01272	140.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**.18870**	**.32309**	**.15106**	**344.71**	**14.175**	**.15689**
Stddev	.00008	.00074	.00153	.00171	5.87	.027	.00075
%RSD	1.6467	.39217	.47304	1.1319	1.7025	.18971	.47492
#1	.00492	.18864	.32335	.15094	338.05	14.187	.15738
#2	.00503	.18798	.32145	.14941	346.98	14.194	.15603
#3	.00509	.18946	.32447	.15283	349.11	14.145	.15725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.614**	**9.0664**	**.01380**	**.88075**	**.14170**	F **16303.**	**.37032**
Stddev	.093	.0192	.00019	.00361	.00028	39.	.00170
%RSD	.45066	.21163	1.4129	.40957	.19507	.23926	.46033
#1	20.594	9.0657	.01366	.88046	.14175	16332.	.37217
#2	20.715	9.0859	.01372	.88449	.14140	16258.	.36996
#3	20.532	9.0475	.01402	.87730	.14194	16318.	.36882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082347 Acquired: 3/31/2011 11:27:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.283**	F **231.26**	F **809.13**	**.00538**	**.01221**	F **279.32**	**.01146**
Stddev	.910	1.18	1.43	.00098	.00179	.92	.00027
%RSD	1.8847	.50835	.17682	18.181	14.651	.32781	2.3345
#1	-48.312	231.16	808.85	.00446	.01427	278.66	.01121
#2	-47.359	230.14	807.86	.00527	.01100	278.93	.01174
#3	-49.179	232.48	810.68	.00640	.01136	280.37	.01143
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70093**	**.46205**	**.01745**	**.63810**	**.81339**	F **108.78**
Stddev	.00149	.00162	.00123	.00262	.00179	.55
%RSD	.21206	.35047	7.0419	.41075	.22043	.50783
#1	.69922	.46392	.01604	.63926	.81477	108.92
#2	.70166	.46107	.01827	.63509	.81136	108.18
#3	.70191	.46117	.01804	.63993	.81404	109.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65716.**	**64509.**
Stddev	198.	316.
%RSD	.30198	.49020
#1	65635.	64300.
#2	65943.	64355.
#3	65572.	64873.

Approved: April 01, 2011

Sample Name: L1103082348 Acquired: 3/31/2011 11:30:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**229.85**	**.16570**	**.20230**	**2.1129**	**.01652**	**27.989**
Stddev	.00014	.34	.00015	.00325	.0056	.00004	.096
%RSD	1.3224	.14966	.08980	1.6056	.26655	.23781	.34286
#1	.01074	230.04	.16585	.19904	2.1194	.01654	28.093
#2	.01092	230.05	.16555	.20554	2.1093	.01655	27.971
#3	.01102	229.45	.16569	.20232	2.1101	.01648	27.904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00508**	**.41665**	**.46651**	**.15261**	**475.86**	**13.122**	**.18881**
Stddev	.00002	.00031	.00176	.00130	8.01	.057	.00178
%RSD	.32989	.07381	.37750	.84969	1.6833	.43661	.94528
#1	.00506	.41691	.46838	.15406	468.03	13.184	.19062
#2	.00509	.41672	.46488	.15223	484.04	13.112	.18875
#3	.00510	.41631	.46628	.15155	475.51	13.071	.18705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.250**	**25.973**	**.01882**	**1.1310**	**.14501**	F **9947.1**	**.67348**
Stddev	.051	.398	.00038	.0097	.00084	16.9	.00255
%RSD	.25049	1.5339	2.0283	.85288	.57594	.16999	.37791
#1	20.195	25.551	.01856	1.1414	.14480	9955.4	.67603
#2	20.259	26.343	.01926	1.1292	.14593	9958.2	.67094
#3	20.295	26.026	.01865	1.1223	.14430	9927.6	.67347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082348 Acquired: 3/31/2011 11:30:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.834**	F **91.207**	F **468.18**	**.00675**	**.01908**	F **263.32**	**.01338**
Stddev	10.760	.254	.28	.00145	.00265	.39	.00009
%RSD	25.121	.27795	.05983	21.502	13.898	.14975	.70231
#1	-55.240	91.480	468.12	.00782	.01958	263.47	.01349
#2	-37.211	91.162	468.49	.00510	.02145	263.63	.01330
#3	-36.050	90.979	467.94	.00734	.01622	262.88	.01336
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24749**	**.57034**	**.03081**	**.92254**	**.59749**	F **139.47**
Stddev	.00067	.00241	.00159	.00355	.00044	.13
%RSD	.27021	.42180	5.1591	.38470	.07330	.09074
#1	.24816	.57306	.02899	.92232	.59798	139.60
#2	.24748	.56852	.03194	.92619	.59736	139.46
#3	.24683	.56943	.03150	.91910	.59713	139.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65936.**	**63592.**
Stddev	148.	289.
%RSD	.22370	.45472
#1	65766.	63902.
#2	66027.	63329.
#3	66016.	63547.

Approved: April 01, 2011

Sample Name: L1103082401 Acquired: 3/31/2011 11:34:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**245.09**	**.12837**	**.16428**	**2.2896**	**.01715**	**46.191**
Stddev	.00025	5.90	.00114	.00442	.0092	.00010	.228
%RSD	4.8949	2.4059	.88802	2.6929	.40363	.57605	.49251
#1	.00505	248.66	.12728	.15993	2.2793	.01719	46.015
#2	.00525	248.34	.12826	.16413	2.2923	.01723	46.448
#3	.00476	238.29	.12956	.16877	2.2972	.01704	46.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00423**	**.14919**	**.39361**	**.14964**	**375.13**	**12.208**	**.13743**
Stddev	.00009	.00030	.00270	.00064	5.52	.068	.00108
%RSD	2.2032	.19951	.68499	.42476	1.4713	.56094	.78588
#1	.00422	.14885	.39584	.14900	368.81	12.129	.13618
#2	.00414	.14941	.39436	.15027	377.59	12.242	.13807
#3	.00433	.14932	.39061	.14965	378.99	12.252	.13803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.517**	**7.7570**	**.01711**	**1.8989**	**.14194**	F **7061.0**	**.33000**
Stddev	.081	.0197	.00007	.0096	.00047	4.6	.00162
%RSD	.30651	.25423	.41751	.50768	.32765	.06582	.49171
#1	26.424	7.7443	.01714	1.8915	.14217	7065.4	.33065
#2	26.577	7.7798	.01703	1.9098	.14141	7056.2	.32816
#3	26.550	7.7471	.01716	1.8955	.14225	7061.4	.33120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082401 Acquired: 3/31/2011 11:34:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.094**	F **103.44**	F **452.18**	**.00785**	**.00992**	F **268.95**	**.01451**
Stddev	1.165	.16	.96	.00227	.00096	.39	.00008
%RSD	2.8340	.15189	.21284	28.862	9.7003	.14400	.57295
#1	-41.148	103.34	453.14	.01044	.00883	269.10	.01457
#2	-42.230	103.35	451.21	.00694	.01067	268.51	.01454
#3	-39.903	103.62	452.20	.00618	.01026	269.23	.01441
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34738**	**.33940**	**.01828**	**.68796**	**.46734**	F **201.58**
Stddev	.00255	.00172	.00113	.00687	.00036	1.47
%RSD	.73453	.50627	6.1716	.99918	.07695	.72720
#1	.34649	.33810	.01951	.68998	.46693	202.67
#2	.35026	.34135	.01802	.69360	.46758	202.14
#3	.34539	.33875	.01730	.68031	.46752	199.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66341.**	**64005.**
Stddev	143.	150.
%RSD	.21596	.23467
#1	66246.	63979.
#2	66271.	63870.
#3	66506.	64167.

Approved: April 01, 2011

Sample Name: L1103082402 Acquired: 3/31/2011 11:37:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01268**	**272.85**	**.20255**	**.25902**	**2.2956**	**.02011**	**624.90**
Stddev	.00061	2.00	.00197	.00612	.0111	.00013	10.67
%RSD	4.8315	.73423	.97188	2.3634	.48411	.66540	1.7077
#1	.01222	271.87	.20058	.25212	2.2906	.02007	614.26
#2	.01243	275.16	.20451	.26115	2.3083	.02026	624.83
#3	.01337	271.53	.20258	.26380	2.2878	.02000	635.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00635**	**.60721**	**.57284**	**.18363**	**587.71**	**15.731**	**.23323**
Stddev	.00018	.00193	.00428	.00308	9.67	.069	.00092
%RSD	2.8367	.31740	.74688	1.6770	1.6458	.43703	.39437
#1	.00617	.60704	.57063	.18577	576.54	15.671	.23243
#2	.00653	.60921	.57777	.18502	593.24	15.806	.23423
#3	.00637	.60536	.57011	.18010	593.34	15.716	.23303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.483**	**27.286**	**.02346**	**7.0006**	**.18809**	F **9435.3**	**.70100**
Stddev	.055	.383	.00029	.0496	.00592	54.3	.00188
%RSD	.15619	1.4049	1.2468	.70816	3.1454	.57517	.26777
#1	35.427	27.629	.02312	6.9448	.18456	9434.7	.70243
#2	35.538	27.358	.02366	7.0394	.19492	9489.9	.70169
#3	35.483	26.872	.02359	7.0178	.18479	9381.4	.69887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082402 Acquired: 3/31/2011 11:37:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.196**	F **732.37**	F **1314.5**	**.01074**	**.02254**	F **281.31**	**.01483**
Stddev	5.230	6.13	31.2	.00380	.00185	2.55	.00031
%RSD	10.419	.83642	2.3711	35.343	8.1940	.90821	2.1199
#1	-45.006	730.84	1294.4	.01486	.02283	279.65	.01446
#2	-50.118	739.12	1350.4	.00738	.02423	284.25	.01500
#3	-55.465	727.16	1298.7	.00998	.02057	280.03	.01501
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9252**	**.63017**	**.03574**	**1.0529**	**.52548**	F **201.25**
Stddev	.0171	.00183	.00215	.0067	.01001	1.76
%RSD	.58527	.29062	6.0188	.64143	1.9058	.87347
#1	2.9081	.62806	.03811	1.0502	.52055	200.48
#2	2.9423	.63130	.03390	1.0606	.53701	203.26
#3	2.9252	.63116	.03521	1.0479	.51889	200.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61821.**	**62341.**
Stddev	373.	118.
%RSD	.60260	.18985
#1	61980.	62236.
#2	61395.	62317.
#3	62087.	62469.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 11:41:41 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41117**	**10.345**	**.39962**	**.51167**	**.99031**	**.05092**	**9.9404**
Stddev	.00595	.099	.00263	.00459	.00562	.00037	.0790
%RSD	1.4467	.95515	.65849	.89771	.56783	.72579	.79460
#1	.40712	10.289	.40162	.50882	.99675	.05075	10.030
#2	.41800	10.459	.40060	.51697	.98633	.05134	9.9100
#3	.40839	10.287	.39664	.50922	.98786	.05066	9.8812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05070**	**.20329**	**.50853**	**.50254**	**3.9995**	**49.263**	**.99421**
Stddev	.00006	.00042	.00428	.00065	.0181	.212	.00250
%RSD	.12216	.20842	.84189	.12860	.45178	.43067	.25138
#1	.05075	.20362	.50756	.50305	4.0195	49.499	.99674
#2	.05063	.20281	.51322	.50275	3.9844	49.089	.99175
#3	.05070	.20343	.50482	.50181	3.9947	49.200	.99414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.099**	**.50029**	F **1.1034**	**51.117**	**.52405**	F **12.173**	**.50543**
Stddev	.038	.00078	.0016	.306	.04500	4.110	.00299
%RSD	.37808	.15514	.14204	.59922	8.5864	33.761	.59112
#1	10.142	.50116	1.1019	51.459	.49745	7.7684	.50275
#2	10.068	.49967	1.1050	51.020	.57600	15.905	.50866
#3	10.089	.50003	1.1032	50.870	.49869	12.846	.50489
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 11:41:41 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.5311**	F **13.522**	F **33.213**	**1.2741**	**.40324**	F **699.53**	**1.0697**
Stddev	4.2960	7.062	50.202	.0082	.00308	5.53	.0015
%RSD	50.357	52.228	151.15	.64217	.76499	.79001	.13874
#1	12.922	8.9353	.27615	1.2735	.40541	695.31	1.0680
#2	8.3347	21.654	90.993	1.2826	.40461	705.79	1.0706
#3	4.3366	9.9752	8.3699	1.2663	.39971	697.51	1.0705
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	10.000%	10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99007**	**1.0574**	**.51233**	**1.0399**	^F *****	F **1.1238**
Stddev	.00606	.0045	.00331	.0106	-----	.0363
%RSD	.61212	.42876	.64556	1.0182	-----	3.2280
#1	.99699	1.0623	.51144	1.0317	1.0226	1.1234
#2	.98751	1.0565	.51599	1.0518	^ -----	1.0878
#3	.98571	1.0534	.50955	1.0361	1.0225	1.1603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
Value					1.0000	1.0000
Range					-10.000%	10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65982.**	**59405.**
Stddev	701.	195.
%RSD	1.0631	.32821
#1	66528.	59439.
#2	65191.	59581.
#3	66226.	59195.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 11:44:56 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00572**	**.00020**	**.00144**	**.00029**	**.00000**	**-.00866**
Stddev	.00005	.00024	.00040	.00080	.00003	.00003	.00572
%RSD	9.5373	4.1835	197.70	55.410	10.873	550.90	66.112
#1	-.00054	.00586	.00065	.00091	.00029	.00000	-.01165
#2	-.00048	.00586	-.00013	.00236	.00026	.00003	-.01226
#3	-.00059	.00545	.00009	.00105	.00032	-.00002	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00000**	**.00016**	**.00014**	**.00744**	**.07133**	**.00034**
Stddev	.00005	.00009	.00019	.00031	.00048	.02777	.00085
%RSD	155.31	2323.1	120.32	231.42	6.3898	38.931	251.14
#1	-.00005	.00008	.00036	-.00006	.00782	.04122	.00099
#2	-.00007	.00003	-.00002	.00050	.00690	.07683	-.00063
#3	.00002	-.00010	.00014	-.00003	.00759	.09593	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00700**	**.00051**	**.00016**	**.00590**	**-.00025**	F **2.3163**	**.00093**
Stddev	.00246	.00029	.00019	.00540	.00045	2.7718	.00069
%RSD	35.064	56.335	114.27	91.460	176.07	119.67	73.524
#1	.00966	.00028	.00036	.00859	-.00005	4.8999	.00083
#2	.00653	.00083	.00016	.00944	.00005	-.61159	.00030
#3	.00482	.00041	-.00002	-.00031	-.00076	2.6606	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 11:44:56 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.6975**	F **.17607**	F **1.0772**	**-.00186**	**-.00099**	**.35403**	**-.00029**
Stddev	2.8776	.01010	.1485	.00044	.00066	.09409	.00006
%RSD	29.674	5.7358	13.784	23.702	66.814	26.577	21.066
#1	12.437	.16722	1.0331	-.00200	-.00133	.26946	-.00036
#2	6.6995	.17392	.95569	-.00137	-.00023	.45538	-.00024
#3	9.9555	.18707	1.2427	-.00222	-.00141	.33724	-.00028
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00053**	**.00035**	**-.00011**	**-.00008**	**.05756**
Stddev	.00007	.00084	.00061	.00010	.00003	.10441
%RSD	66.209	158.30	176.41	92.406	32.479	181.40
#1	.00005	-.00021	.00081	-.00019	-.00010	.04012
#2	.00008	.00144	.00058	.00001	-.00005	.16959
#3	.00018	.00036	-.00035	-.00015	-.00008	-.03703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67416.**	**58789.**
Stddev	111.	86.
%RSD	.16486	.14559
#1	67343.	58885.
#2	67544.	58721.
#3	67362.	58762.

Approved: April 01, 2011

Sample Name: L1103082403 Acquired: 3/31/2011 11:48:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00820**	**255.03**	**.15150**	**.20024**	**2.1370**	**.01656**	**46.328**
Stddev	.00044	.70	.00098	.00279	.0034	.00004	.072
%RSD	5.3114	.27532	.64978	1.3951	.15838	.26584	.15489
#1	.00770	254.49	.15161	.19779	2.1341	.01659	46.275
#2	.00835	255.82	.15242	.19965	2.1362	.01651	46.300
#3	.00853	254.77	.15046	.20328	2.1407	.01658	46.410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**.17588**	**.48386**	**.16246**	**442.67**	**15.850**	**.18607**
Stddev	.00017	.00041	.00077	.00118	3.99	.019	.00074
%RSD	3.1688	.23451	.16017	.72878	.90154	.12243	.39672
#1	.00534	.17541	.48404	.16122	440.05	15.827	.18686
#2	.00544	.17617	.48301	.16358	440.70	15.859	.18594
#3	.00568	.17606	.48453	.16257	447.27	15.863	.18540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.737**	**11.001**	**.01822**	**7.9969**	**.15593**	F **9131.0**	**.42315**
Stddev	.115	.013	.00010	.0066	.00040	18.3	.00066
%RSD	.40015	.12185	.53257	.08238	.25934	.20050	.15566
#1	28.662	11.001	.01812	7.9893	.15631	9114.6	.42380
#2	28.679	10.987	.01831	8.0015	.15551	9150.8	.42316
#3	28.869	11.014	.01823	7.9997	.15598	9127.5	.42248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082403 Acquired: 3/31/2011 11:48:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.478**	F **116.66**	F **544.62**	**.01023**	**.01361**	F **323.10**	**.01482**
Stddev	5.268	.29	.29	.00200	.00250	.68	.00050
%RSD	9.3279	.25250	.05331	19.536	18.329	.20933	3.3766
#1	-62.561	116.37	544.51	.00968	.01203	322.44	.01539
#2	-53.377	116.96	544.95	.01245	.01649	323.79	.01449
#3	-53.496	116.63	544.40	.00857	.01232	323.07	.01456
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45218**	**.61176**	**.02387**	**.85491**	**.63839**	F **194.11**
Stddev	.00018	.00117	.00056	.00332	.00067	.68
%RSD	.03880	.19125	2.3348	.38830	.10524	.34796
#1	.45235	.61150	.02425	.85851	.63802	194.88
#2	.45200	.61074	.02414	.85425	.63916	193.62
#3	.45220	.61304	.02323	.85197	.63798	193.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66114.**	**65279.**
Stddev	38.	95.
%RSD	.05736	.14624
#1	66072.	65243.
#2	66124.	65387.
#3	66146.	65207.

Approved: April 01, 2011

Sample Name: L1103082404 Acquired: 3/31/2011 11:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**199.13**	**.11255**	**.15235**	**1.6664**	**.01107**	**898.23**
Stddev	.00025	1.69	.00186	.00095	.0032	.00001	15.25
%RSD	3.2331	.84989	1.6523	.62233	.19078	.09306	1.6975
#1	.00769	197.41	.11216	.15277	1.6685	.01107	900.45
#2	.00742	200.79	.11092	.15126	1.6627	.01108	881.99
#3	.00791	199.19	.11457	.15301	1.6679	.01106	912.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**.15671**	**.32334**	**.16764**	**277.10**	**21.475**	**.24638**
Stddev	.00006	.00034	.00127	.00061	2.83	.073	.00117
%RSD	.78690	.21752	.39192	.36634	1.0206	.34105	.47635
#1	.00701	.15641	.32325	.16701	275.21	21.487	.24508
#2	.00704	.15708	.32466	.16767	275.74	21.397	.24669
#3	.00712	.15664	.32213	.16824	280.35	21.542	.24737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.582**	**10.713**	**.01276**	**1.4557**	**.16955**	F **17268.**	**.32745**
Stddev	.247	.031	.00037	.0085	.00034	29.	.00183
%RSD	.55298	.28785	2.8748	.58484	.19943	.16789	.55790
#1	44.361	10.682	.01237	1.4648	.16916	17259.	.32881
#2	44.537	10.715	.01283	1.4480	.16976	17301.	.32817
#3	44.848	10.743	.01309	1.4542	.16973	17245.	.32538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082404 Acquired: 3/31/2011 11:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.646**	F **1039.2**	F **1295.3**	**.00802**	**.00833**	F **293.51**	**.01211**
Stddev	3.532	1.1	1.3	.00238	.00154	.39	.00019
%RSD	6.1264	.10952	.10293	29.738	18.448	.13370	1.5735
#1	-61.722	1037.9	1296.7	.00874	.00905	293.78	.01233
#2	-55.710	1039.9	1294.0	.00535	.00937	293.70	.01203
#3	-55.504	1039.8	1295.3	.00995	.00656	293.06	.01197
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.7199**	**.67304**	**.01744**	**.57276**	**.90048**	F **128.98**
Stddev	.0883	.00137	.00082	.00119	.00093	.11
%RSD	1.8706	.20386	4.7309	.20788	.10338	.08306
#1	4.6578	.67361	.01775	.57140	.90008	129.10
#2	4.6810	.67148	.01806	.57362	.90154	128.97
#3	4.8210	.67404	.01650	.57326	.89981	128.88
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61749.**	**63424.**
Stddev	51.	310.
%RSD	.08327	.48853
#1	61796.	63673.
#2	61694.	63521.
#3	61757.	63077.

Approved: April 01, 2011

Sample Name: L1103082405 Acquired: 3/31/2011 11:55:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**183.34**	**.12995**	**.17322**	**1.4900**	**.01321**	**39.538**
Stddev	.00034	1.67	.00125	.00663	.0021	.00010	.147
%RSD	4.6912	.91236	.95847	3.8250	.13977	.75969	.37145
#1	.00729	184.90	.13106	.17300	1.4878	.01321	39.409
#2	.00689	183.54	.12860	.17995	1.4919	.01310	39.698
#3	.00757	181.57	.13020	.16670	1.4904	.01330	39.508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	**.25845**	**.45294**	**.21260**	**377.20**	**15.754**	**.14452**
Stddev	.00007	.00135	.00555	.00296	8.68	.047	.00140
%RSD	1.1944	.52405	1.2259	1.3927	2.3008	.30101	.96660
#1	.00610	.25947	.45306	.21491	377.88	15.744	.14344
#2	.00609	.25691	.44733	.20926	385.52	15.806	.14610
#3	.00597	.25897	.45844	.21362	368.20	15.712	.14403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.920**	**13.960**	**.01854**	**2.0890**	**.15996**	F **21118.**	**.48293**
Stddev	.091	.043	.00030	.0157	.00085	74.	.00208
%RSD	.47861	.30497	1.6361	.75148	.53397	.35090	.43010
#1	18.912	13.962	.01889	2.0775	.16059	21175.	.48417
#2	19.014	14.002	.01834	2.1069	.15899	21034.	.48053
#3	18.834	13.917	.01839	2.0826	.16031	21144.	.48409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082405 Acquired: 3/31/2011 11:55:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.430**	F **134.76**	F **713.02**	**.00825**	**.01068**	F **310.28**	**.01274**
Stddev	4.692	.90	1.11	.00004	.00220	1.45	.00033
%RSD	9.8928	.66452	.15627	.43674	20.591	.46676	2.5745
#1	-52.343	135.28	714.29	.00828	.01321	310.81	.01310
#2	-42.996	133.73	712.55	.00825	.00954	308.64	.01267
#3	-46.951	135.27	712.22	.00821	.00928	311.38	.01246
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28235**	**.52376**	**.02051**	**.67326**	**.80225**	F **112.05**
Stddev	.00088	.00137	.00038	.00410	.00166	1.53
%RSD	.31317	.26072	1.8488	.60921	.20741	1.3635
#1	.28198	.52269	.02063	.67296	.80381	111.80
#2	.28336	.52530	.02080	.66932	.80050	110.66
#3	.28171	.52329	.02008	.67751	.80243	113.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66492.**	**64574.**
Stddev	250.	303.
%RSD	.37624	.46931
#1	66431.	64420.
#2	66766.	64378.
#3	66277.	64923.

Approved: April 01, 2011

Sample Name: L1103082406 Acquired: 3/31/2011 11:59:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00521**	**168.45**	**.09449**	**.14171**	**1.2601**	**.00947**	**116.18**
Stddev	.00012	.42	.00166	.00104	.0088	.00002	.96
%RSD	2.3571	.25128	1.7563	.73438	.69833	.18293	.82848
#1	.00508	168.90	.09293	.14066	1.2522	.00945	115.33
#2	.00531	168.39	.09430	.14174	1.2586	.00947	115.98
#3	.00526	168.06	.09623	.14274	1.2696	.00949	117.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.11978**	**.27386**	**.13261**	**253.12**	**14.179**	**.13595**
Stddev	.00005	.00096	.00078	.00138	2.25	.094	.00122
%RSD	1.0356	.80125	.28304	1.0378	.88775	.66351	.89658
#1	.00455	.11896	.27305	.13108	252.64	14.099	.13488
#2	.00451	.11953	.27459	.13303	251.14	14.156	.13727
#3	.00460	.12084	.27396	.13373	255.56	14.283	.13568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.711**	**7.9809**	**.01283**	**.97552**	**.10865**	F **19565.**	**.30694**
Stddev	.207	.0395	.00006	.01005	.00048	68.	.00159
%RSD	.95202	.49438	.47332	1.0297	.43932	.34580	.51862
#1	21.516	7.9370	.01276	.96496	.10812	19492.	.30788
#2	21.691	7.9923	.01287	.97665	.10878	19578.	.30510
#3	21.927	8.0135	.01286	.98496	.10905	19626.	.30784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082406 Acquired: 3/31/2011 11:59:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.423**	F **279.22**	F **1279.5**	**.00440**	**.01306**	F **300.73**	**.01157**
Stddev	4.263	2.23	3.9	.00140	.00099	1.21	.00013
%RSD	11.391	.79705	.30346	31.891	7.6098	.40291	1.1201
#1	-34.532	277.16	1275.2	.00602	.01420	299.76	.01168
#2	-35.418	278.92	1280.4	.00358	.01245	300.35	.01161
#3	-42.319	281.58	1282.8	.00360	.01251	302.09	.01143
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55428**	**.54718**	**.01339**	**.51257**	**.72527**	F **81.643**
Stddev	.00303	.00364	.00033	.00364	.00170	.157
%RSD	.54714	.66560	2.4712	.71046	.23401	.19288
#1	.55125	.54337	.01350	.51020	.72359	81.617
#2	.55428	.54755	.01302	.51074	.72525	81.812
#3	.55731	.55062	.01365	.51676	.72698	81.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65673.**	**63462.**
Stddev	217.	674.
%RSD	.33107	1.0615
#1	65816.	64049.
#2	65780.	63609.
#3	65423.	62726.

Approved: April 01, 2011

Sample Name: L1103082407 Acquired: 3/31/2011 12:02:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00628**	**153.90**	**.09949**	**.15779**	**1.4552**	**.00870**	**154.11**
Stddev	.00056	1.29	.00183	.00205	.0075	.00003	.30
%RSD	8.8818	.83711	1.8378	1.2986	.51257	.29535	.19675
#1	.00686	155.34	.09968	.15667	1.4620	.00867	154.30
#2	.00624	152.86	.09758	.16016	1.4565	.00870	154.26
#3	.00575	153.48	.10122	.15655	1.4472	.00872	153.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00648**	**.10521**	**.26006**	**.18613**	**238.52**	**24.499**	**.14222**
Stddev	.00008	.00067	.00077	.00076	3.55	.074	.00030
%RSD	1.1947	.63668	.29769	.40821	1.4888	.30029	.21056
#1	.00640	.10476	.26094	.18649	236.25	24.565	.14187
#2	.00648	.10488	.25947	.18526	242.61	24.513	.14239
#3	.00655	.10598	.25979	.18664	236.69	24.420	.14239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.698**	**8.5643**	**.01358**	**1.1322**	**.11312**	F **56656.**	**.26165**
Stddev	.082	.0089	.00006	.0048	.00075	19.	.00220
%RSD	.27770	.10434	.42170	.42245	.66279	.03328	.84027
#1	29.639	8.5692	.01362	1.1298	.11287	56635.	.25950
#2	29.792	8.5697	.01362	1.1290	.11253	56672.	.26155
#3	29.662	8.5539	.01352	1.1377	.11397	56659.	.26389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082407 Acquired: 3/31/2011 12:02:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.263**	F **416.89**	F **2039.4**	**.00508**	**.01261**	F **333.76**	**.01033**
Stddev	4.922	.32	.5	.00248	.00078	1.27	.00045
%RSD	10.198	.07741	.02678	48.724	6.1745	.38203	4.3641
#1	-53.889	417.07	2038.8	.00793	.01249	332.81	.01079
#2	-44.755	417.08	2039.5	.00383	.01344	333.25	.00989
#3	-46.144	416.52	2039.8	.00348	.01190	335.20	.01031
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73662**	**.61307**	**.01350**	**.50267**	**1.2656**	F **55.171**
Stddev	.00078	.00174	.00148	.00032	.0011	.383
%RSD	.10589	.28356	10.931	.06268	.08492	.69473
#1	.73750	.61505	.01485	.50236	1.2650	55.532
#2	.73632	.61238	.01192	.50268	1.2650	55.212
#3	.73603	.61179	.01371	.50299	1.2669	54.769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65347.**	**63235.**
Stddev	62.	376.
%RSD	.09531	.59519
#1	65275.	63144.
#2	65386.	62912.
#3	65378.	63649.

Approved: April 01, 2011

Sample Name: L1103082408 Acquired: 3/31/2011 12:06:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00681**	**175.43**	**.11677**	**.17199**	**1.4549**	**.01233**	**49.246**
Stddev	.00085	1.62	.00027	.00337	.0049	.00002	.100
%RSD	12.513	.92607	.22842	1.9581	.33318	.14220	.20398
#1	.00737	177.27	.11706	.17584	1.4585	.01231	49.355
#2	.00583	174.22	.11671	.16960	1.4569	.01234	49.157
#3	.00723	174.79	.11653	.17052	1.4494	.01234	49.226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00564**	**.19444**	**.42191**	**.37305**	**353.18**	**18.816**	**.14189**
Stddev	.00007	.00023	.00093	.00049	3.65	.023	.00105
%RSD	1.2371	.11670	.22152	.13122	1.0322	.12409	.74282
#1	.00569	.19462	.42106	.37343	357.14	18.827	.14254
#2	.00566	.19419	.42291	.37323	349.96	18.832	.14068
#3	.00556	.19452	.42177	.37250	352.44	18.789	.14246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.163**	**11.665**	**.01423**	**1.3786**	**.15923**	F **27656.**	**.39008**
Stddev	.042	.009	.00019	.0018	.00095	32.	.00020
%RSD	.21958	.07742	1.3337	.13256	.59727	.11662	.05162
#1	19.211	11.666	.01403	1.3800	.15998	27694.	.38997
#2	19.142	11.656	.01441	1.3792	.15956	27637.	.39031
#3	19.136	11.674	.01425	1.3765	.15816	27638.	.38995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082408 Acquired: 3/31/2011 12:06:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.237**	F **169.07**	F **894.51**	**.00662**	**.00928**	F **334.47**	**.01754**
Stddev	9.342	.33	1.07	.00217	.00215	4.39	.00044
%RSD	23.809	.19618	.11918	32.732	23.174	1.3121	2.4977
#1	-33.008	169.23	895.03	.00439	.01166	331.96	.01777
#2	-34.724	169.29	895.22	.00872	.00870	331.92	.01781
#3	-49.978	168.69	893.29	.00676	.00748	339.54	.01703
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31411**	**.59181**	**.01789**	**.60714**	**.97238**	F **99.245**
Stddev	.00085	.00030	.00039	.00205	.00288	.417
%RSD	.27100	.05118	2.1811	.33784	.29591	.42064
#1	.31409	.59190	.01802	.60517	.97489	99.224
#2	.31326	.59207	.01820	.60700	.96924	99.673
#3	.31497	.59148	.01745	.60926	.97301	98.838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66154.**	**63592.**
Stddev	136.	551.
%RSD	.20534	.86652
#1	66124.	62975.
#2	66303.	64036.
#3	66036.	63765.

Approved: April 01, 2011

Sample Name: L1103082409 Acquired: 3/31/2011 12:10:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04836**	**307.63**	**.11590**	**.17108**	**2.7617**	**.01818**	**66.738**
Stddev	.00041	2.13	.00100	.00345	.0096	.00003	.386
%RSD	.83962	.69130	.86407	2.0191	.34696	.15982	.57807
#1	.04844	306.20	.11475	.17500	2.7726	.01815	67.167
#2	.04872	310.07	.11635	.16974	2.7580	.01820	66.628
#3	.04792	306.61	.11659	.16850	2.7545	.01820	66.419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00488**	**.10561**	**.39547**	**.20995**	**338.33**	**28.255**	**.23484**
Stddev	.00003	.00015	.00212	.00065	6.01	.095	.00128
%RSD	.61873	.14213	.53634	.30973	1.7752	.33612	.54639
#1	.00489	.10568	.39365	.20920	345.00	28.360	.23505
#2	.00489	.10572	.39497	.21030	336.63	28.176	.23346
#3	.00484	.10544	.39780	.21036	333.35	28.228	.23600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.811**	**4.5678**	**.01399**	**1.4023**	**.17812**	F **23670.**	**.29192**
Stddev	.106	.0012	.00042	.0094	.00017	8.	.00231
%RSD	.34434	.02564	3.0111	.66899	.09281	.03359	.79169
#1	30.750	4.5692	.01389	1.4128	.17829	23665.	.29247
#2	30.749	4.5672	.01363	1.3949	.17796	23679.	.28938
#3	30.933	4.5670	.01445	1.3990	.17812	23666.	.29390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082409 Acquired: 3/31/2011 12:10:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.772**	F **285.41**	F **1608.1**	**.00461**	**.00834**	F **296.56**	**.01670**
Stddev	9.673	.59	.5	.00140	.00206	.98	.00021
%RSD	14.933	.20608	.03225	30.316	24.737	.33147	1.2705
#1	-75.454	284.83	1607.5	.00303	.01049	295.77	.01669
#2	-62.258	285.42	1608.3	.00567	.00638	296.23	.01649
#3	-56.605	286.00	1608.5	.00513	.00813	297.66	.01691
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43422**	**.37979**	**.01397**	**.65736**	**.97814**	F **148.65**
Stddev	.00280	.00072	.00054	.00169	.00159	.77
%RSD	.64528	.18996	3.8500	.25692	.16269	.51650
#1	.43708	.37898	.01344	.65568	.97895	147.89
#2	.43411	.38035	.01395	.65906	.97631	148.62
#3	.43147	.38004	.01452	.65735	.97918	149.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66632.**	**64953.**
Stddev	120.	246.
%RSD	.18043	.37853
#1	66682.	64911.
#2	66719.	65217.
#3	66495.	64730.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 12:13:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42036**	**10.307**	**.40493**	**.51185**	**.97130**	**.05113**	**9.7210**
Stddev	.00093	.033	.00069	.00071	.00326	.00010	.0236
%RSD	.22020	.32211	.16943	.13942	.33549	.19871	.24248
#1	.42126	10.343	.40428	.51264	.97499	.05125	9.7482
#2	.42040	10.302	.40486	.51165	.97010	.05107	9.7081
#3	.41942	10.277	.40565	.51126	.96881	.05107	9.7066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05123**	**.20598**	**.50473**	**.50718**	**3.8826**	**48.210**	**.98180**
Stddev	.00004	.00006	.00116	.00105	.0125	.079	.00382
%RSD	.07632	.03025	.22917	.20720	.32161	.16413	.38907
#1	.05126	.20591	.50603	.50803	3.8953	48.301	.98621
#2	.05118	.20602	.50381	.50601	3.8703	48.166	.97956
#3	.05123	.20601	.50436	.50751	3.8822	48.162	.97963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7711**	**.49271**	F **1.1023**	**50.535**	**.49956**	**10.399**	**.50792**
Stddev	.0290	.00071	.0009	.086	.00054	7.215	.00448
%RSD	.29674	.14411	.08116	.16942	.10735	69.378	.88126
#1	9.7515	.49324	1.1013	50.633	.49995	12.699	.51058
#2	9.8044	.49190	1.1030	50.476	.49895	2.3146	.50275
#3	9.7574	.49298	1.1027	50.497	.49979	16.183	.51042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			1.0000				
Range			10.000%				

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 12:13:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.731**	**9.0271**	F **.54423**	**1.2938**	**.41386**	F **705.95**	**1.0735**
Stddev	5.464	.1001	.18868	.0026	.00237	.18	.0009
%RSD	32.659	1.1083	34.669	.20241	.57311	.02502	.08003
#1	-18.070	9.1278	.64825	1.2957	.41360	706.15	1.0735
#2	-10.722	8.9277	.65799	1.2908	.41163	705.88	1.0727
#3	-21.401	9.0258	.32643	1.2949	.41636	705.82	1.0744
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98150**	**1.0467**	**.51660**	**1.0442**	**1.0166**	**.92863**
Stddev	.00294	.0014	.00208	.0028	.0006	.07515
%RSD	.29945	.12884	.40223	.26757	.05487	8.0923
#1	.98489	1.0482	.51897	1.0474	1.0162	1.0074
#2	.97966	1.0463	.51508	1.0427	1.0164	.85768
#3	.97994	1.0456	.51576	1.0424	1.0173	.92084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67277.**	**63765.**
Stddev	53.	492.
%RSD	.07905	.77080
#1	67225.	64332.
#2	67332.	63492.
#3	67274.	63470.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 12:16:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00774**	**.00064**	**.00206**	**-.00006**	**.00001**	**-.00157**
Stddev	.00026	.00101	.00061	.00086	.00013	.00000	.01192
%RSD	302.90	13.074	94.977	41.694	224.30	34.695	759.93
#1	-.00025	.00684	.00023	.00304	-.00021	.00001	.00255
#2	-.00023	.00884	.00035	.00145	.00003	.00002	-.01501
#3	.00022	.00756	.00134	.00168	.00000	.00001	.00775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00003**	**.00003**	**.00005**	**.00261**	**.05250**	**.00039**
Stddev	.00007	.00012	.00023	.00012	.00257	.00375	.00115
%RSD	129.31	458.89	770.83	233.02	98.175	7.1339	290.98
#1	-.00013	.00002	.00029	-.00007	-.00023	.05486	-.00063
#2	.00000	-.00009	-.00014	.00016	.00333	.05446	.00018
#3	-.00003	.00014	-.00005	.00006	.00475	.04818	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00413**	**.00010**	**-.00008**	**.00841**	**-.00012**	F **-3.0689**	**.00157**
Stddev	.00753	.00008	.00010	.00634	.00002	1.9679	.00016
%RSD	182.29	80.370	124.07	75.457	16.240	64.125	9.8962
#1	.00331	.00002	.00003	.00173	-.00010	-2.0663	.00173
#2	-.01174	.00010	-.00017	.01436	-.00014	-1.8042	.00142
#3	-.00396	.00018	-.00009	.00913	-.00012	-5.3362	.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 12:16:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.335**	F **.17025**	F **1.1969**	**-.00195**	**.00034**	**.11161**	**-.00013**
Stddev	1.997	.03405	.1641	.00035	.00096	.07576	.00022
%RSD	19.327	19.998	13.711	17.853	283.79	67.881	161.03
#1	-9.2719	.13181	1.2708	-.00234	-.00072	.07778	.00009
#2	-12.639	.19660	1.3110	-.00182	.00057	.05865	-.00035
#3	-9.0942	.18234	1.0088	-.00168	.00116	.19838	-.00015
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00206**	**.00005**	**-.00001**	**-.00006**	**.08410**
Stddev	.00004	.00030	.00088	.00013	.00001	.06019
%RSD	147.18	14.443	1829.1	1532.4	17.523	71.570
#1	.00006	.00179	-.00095	-.00014	-.00005	.02471
#2	-.00002	.00202	.00035	.00000	-.00008	.08254
#3	.00005	.00238	.00074	.00012	-.00006	.14506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68301.**	**62454.**
Stddev	296.	523.
%RSD	.43291	.83704
#1	67960.	62220.
#2	68454.	62089.
#3	68488.	63053.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 13:08:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40530**	**10.248**	**.39902**	**.51016**	**1.0029**	**.04971**	**9.9337**
Stddev	.00228	.022	.00124	.00119	.0044	.00010	.0826
%RSD	.56270	.21717	.31146	.23411	.44211	.19354	.83126
#1	.40517	10.273	.40023	.51153	.99850	.04982	9.8409
#2	.40309	10.241	.39775	.50933	1.0074	.04964	9.9993
#3	.40764	10.231	.39907	.50963	1.0030	.04968	9.9607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05095**	**.20244**	**.49708**	**.50189**	**3.9988**	**49.060**	**1.0002**
Stddev	.00013	.00040	.00134	.00169	.0259	.327	.0030
%RSD	.25614	.19784	.26888	.33623	.64639	.66623	.30225
#1	.05109	.20283	.49836	.50364	3.9714	48.685	.99688
#2	.05092	.20203	.49718	.50028	4.0227	49.284	1.0010
#3	.05083	.20245	.49569	.50173	4.0025	49.211	1.0028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9031**	**.49482**	F **1.1016**	**50.693**	**.49787**	F **-2.0110**	**.50417**
Stddev	.0531	.00225	.0006	.318	.00065	9.3171	.00044
%RSD	.53566	.45501	.05239	.62768	.13057	463.31	.08736
#1	9.8451	.49317	1.1023	50.326	.49854	2.2348	.50381
#2	9.9491	.49739	1.1012	50.868	.49724	4.4269	.50404
#3	9.9151	.49391	1.1013	50.886	.49782	-12.695	.50466
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 13:08:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.1810**	F **8.7305**	F **-.55315**	**1.2712**	**.40419**	F **698.71**	**1.0619**
Stddev	1.8343	.0632	.17086	.0020	.00235	1.33	.0021
%RSD	35.405	.72424	30.888	.15899	.58238	.18990	.19911
#1	-3.0696	8.7896	-.74183	1.2734	.40690	700.16	1.0643
#2	-6.3824	8.7380	-.50871	1.2695	.40267	697.54	1.0610
#3	-6.0910	8.6638	-.40890	1.2707	.40301	698.45	1.0603
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98978**	**1.0557**	**.50868**	**1.0249**	**1.0080**	F **.82602**
Stddev	.00612	.0045	.00168	.0011	.0009	.07772
%RSD	.61853	.42656	.33055	.10538	.09041	9.4090
#1	.98277	1.0507	.51057	1.0257	1.0090	.85282
#2	.99411	1.0594	.50815	1.0237	1.0072	.73845
#3	.99244	1.0571	.50734	1.0254	1.0078	.88679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66367.**	**60129.**
Stddev	185.	366.
%RSD	.27802	.60946
#1	66204.	60551.
#2	66331.	59950.
#3	66568.	59887.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 13:11:52 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00452**	**.00062**	**.00146**	**.00022**	**.00002**	**-.00103**
Stddev	.00025	.00082	.00038	.00066	.00020	.00001	.00378
%RSD	119.55	18.102	60.043	44.850	90.560	42.361	365.92
#1	-.00045	.00546	.00065	.00100	.00040	.00003	-.00272
#2	-.00021	.00402	.00024	.00221	.00027	.00001	.00330
#3	.00004	.00407	.00098	.00118	.00000	.00002	-.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00008**	**.00019**	**-.00012**	**.00085**	**.03945**	**.00082**
Stddev	.00009	.00011	.00030	.00017	.00179	.02790	.00067
%RSD	1328.7	142.33	158.31	138.29	209.30	70.713	81.364
#1	-.00008	.00020	.00037	-.00003	.00200	.00754	.00107
#2	.00010	.00003	.00036	-.00002	-.00121	.05163	.00006
#3	-.00001	.00000	-.00016	-.00031	.00177	.05919	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**-.00043**	**-.00010**	**.01801**	**-.00001**	F **-6.3482**	**.00091**
Stddev	.00432	.00027	.00023	.00212	.00015	6.2013	.00044
%RSD	174.33	62.232	241.68	11.797	1546.6	97.686	48.306
#1	-.00201	-.00012	-.00016	.01975	.00002	-10.562	.00048
#2	.00284	-.00061	.00016	.01564	-.00017	.7726	.00089
#3	.00660	-.00057	-.00029	.01865	.00013	-9.2554	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 13:11:52 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.6580**	**-.00654**	F **.05805**	**-.00251**	**.00126**	**.00014**	**-.00019**
Stddev	7.6593	.01480	.18934	.00113	.00110	.09790	.00015
%RSD	135.37	226.12	326.18	45.212	87.203	69240.	77.591
#1	1.0615	-.02349	.26264	-.00152	.00179	-.04589	-.00032
#2	-13.998	.00381	.02252	-.00227	.00000	-.06626	-.00023
#3	-4.0377	.00005	-.11101	-.00375	.00198	.11258	-.00003
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00088**	**.00041**	**-.00013**	**-.00026**	**.07276**
Stddev	.00001	.00055	.00180	.00008	.00005	.05361
%RSD	23.311	61.997	435.52	63.320	18.200	73.683
#1	-.00004	.00042	.00223	-.00018	-.00029	.11584
#2	-.00004	.00073	-.00136	-.00017	-.00020	.01272
#3	-.00006	.00148	.00037	-.00003	-.00029	.08971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68285.**	**61100.**
Stddev	264.	507.
%RSD	.38725	.82998
#1	68062.	60560.
#2	68577.	61174.
#3	68215.	61566.

Approved: April 01, 2011

Sample Name: PBS 53 Acquired: 3/31/2011 13:15:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00044**	**-.00153**	**-.00045**	**.00129**	**.00002**	**.01887**
Stddev	.00063	.00116	.00097	.00083	.00005	.00001	.00351
%RSD	5905.8	261.59	63.033	184.49	3.9971	47.767	18.595
#1	.00064	.00152	-.00046	.00003	.00130	.00002	.02126
#2	-.00062	.00059	-.00180	.00003	.00123	.00001	.01484
#3	-.00006	-.00078	-.00234	-.00141	.00133	.00002	.02051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00050**	**.00106**	**.00045**	**.02683**	**.03301**	**.00047**
Stddev	.00008	.00011	.00011	.00023	.00026	.02543	.00105
%RSD	53.546	21.295	10.661	50.243	.98612	77.034	221.76
#1	.00023	-.00043	.00115	.00068	.02653	.00381	-.00045
#2	.00012	-.00045	.00109	.00023	.02699	.05028	.00026
#3	.00008	-.00062	.00093	.00044	.02698	.04495	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00792**	**-.00019**	**.00015**	**.02753**	**.00099**	F **-23.000**	**.00232**
Stddev	.00778	.00026	.00018	.00586	.00034	4.607	.00015
%RSD	98.184	135.02	116.71	21.291	34.904	20.029	6.5831
#1	.01541	-.00022	.00001	.02183	.00076	-24.651	.00250
#2	-.00012	-.00043	.00036	.02722	.00082	-17.795	.00221
#3	.00847	.00008	.00009	.03354	.00138	-26.553	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: PBS 53 Acquired: 3/31/2011 13:15:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.937**	**.34072**	**2.2996**	**.00107**	**.00184**	**2.7367**	**.00030**
Stddev	2.601	.00492	.0353	.00083	.00101	.1366	.00004
%RSD	16.318	1.4451	1.5355	77.488	54.961	4.9919	14.105
#1	-14.527	.34062	2.2922	.00058	.00081	2.6392	.00034
#2	-14.347	.33585	2.2686	.00060	.00284	2.6781	.00025
#3	-18.939	.34569	2.3380	.00203	.00188	2.8929	.00030
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00158**	**-.00173**	**-.00002**	**.00221**	**.03387**
Stddev	.00005	.00049	.00037	.00009	.00007	.03151
%RSD	480.55	31.237	21.297	504.72	3.0870	93.037
#1	-.00003	.00108	-.00164	-.00012	.00216	.00643
#2	.00005	.00159	-.00213	.00002	.00229	.06828
#3	-.00005	.00206	-.00142	.00005	.00219	.02690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66963.**	**61037.**
Stddev	126.	676.
%RSD	.18804	1.1077
#1	67004.	60257.
#2	66822.	61412.
#3	67063.	61444.

Approved: April 01, 2011

Sample Name: LCSS 53 Acquired: 3/31/2011 13:18:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19758**	**.00038**	**.19440**	**.00001**	**.00065**	**.00003**	**-.00513**
Stddev	.00103	.00082	.00174	.00031	.00017	.00002	.00260
%RSD	.52277	217.43	.89438	2077.0	26.827	76.376	50.605
#1	.19735	.00128	.19282	.00003	.00049	.00001	-.00813
#2	.19669	.00014	.19410	-.00030	.00083	.00002	-.00380
#3	.19871	-.00029	.19626	.00032	.00061	.00005	-.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02472**	**-.00038**	**.00083**	**.25930**	**.01125**	**-.00443**	**.00064**
Stddev	.00020	.00001	.00010	.00238	.00106	.02245	.00166
%RSD	.79178	3.2154	12.503	.91696	9.4612	506.61	259.37
#1	.02465	-.00037	.00072	.25795	.01187	.01132	-.00122
#2	.02456	-.00037	.00085	.25789	.01186	.00552	.00196
#3	.02494	-.00039	.00092	.26204	.01002	-.03013	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.26133**	**.00009**	**.00441**	**.00096**	F **-18.727**	**.26400**
Stddev	.00254	.00033	.00009	.00186	.00008	8.489	.00099
%RSD	624.90	.12652	99.506	42.145	8.0104	45.329	.37371
#1	-.00317	.26132	.00008	.00313	.00094	-25.829	.26343
#2	.00014	.26100	.00001	.00655	.00104	-9.3255	.26342
#3	.00181	.26166	.00019	.00357	.00089	-21.026	.26513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 53 Acquired: 3/31/2011 13:18:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.779**	**.01950**	F **-.00719**	**-.00007**	**.00195**	**1.8345**	**.00039**
Stddev	6.600	.01625	.15039	.00084	.00040	.0858	.00008
%RSD	61.229	83.367	2091.6	1220.3	20.496	4.6753	20.706
#1	-14.389	.00866	.16197	.00089	.00161	1.7362	.00034
#2	-3.1615	.01164	-.12575	-.00068	.00240	1.8736	.00048
#3	-14.786	.03819	-.05779	-.00042	.00186	1.8938	.00034
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00106**	**-.00162**	**.00008**	**.00275**	F **-.10965**
Stddev	.00008	.00025	.00116	.00027	.00003	.08295
%RSD	564.20	23.349	71.394	323.17	1.0677	75.648
#1	-.00011	.00081	-.00294	-.00013	.00276	-.20239
#2	.00004	.00130	-.00111	.00000	.00271	-.08398
#3	.00002	.00108	-.00081	.00038	.00277	-.04257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67018.**	**60794.**
Stddev	309.	221.
%RSD	.46055	.36360
#1	67033.	60609.
#2	67318.	61039.
#3	66702.	60733.

Approved: April 01, 2011

Sample Name: L1103082410 Acquired: 3/31/2011 13:22:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**269.84**	**.11031**	**.14857**	**2.8252**	**.01631**	**44.228**
Stddev	.00009	1.38	.00179	.00437	.0043	.00005	.090
%RSD	2.4938	.51073	1.6197	2.9420	.15054	.30882	.20310
#1	.00386	268.25	.11182	.14910	2.8228	.01636	44.177
#2	.00379	270.70	.11078	.15266	2.8226	.01626	44.174
#3	.00368	270.58	.10834	.14396	2.8301	.01632	44.331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00496**	**.09159**	**.35470**	**.18281**	**316.60**	**16.655**	**.20145**
Stddev	.00004	.00017	.00084	.00023	7.22	.025	.00104
%RSD	.77822	.18194	.23746	.12706	2.2798	.15004	.51701
#1	.00494	.09139	.35427	.18307	317.41	16.673	.20247
#2	.00501	.09167	.35415	.18276	323.37	16.627	.20148
#3	.00494	.09169	.35567	.18261	309.01	16.667	.20039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.162**	**4.2147**	**.01316**	**1.4046**	**.15252**	F **9904.2**	**.29990**
Stddev	.019	.0057	.00028	.0128	.00057	29.9	.00188
%RSD	.07155	.13585	2.0964	.91190	.37642	.30217	.62551
#1	27.143	4.2145	.01347	1.4086	.15252	9926.1	.30056
#2	27.160	4.2090	.01308	1.3903	.15194	9916.4	.30136
#3	27.182	4.2205	.01294	1.4150	.15309	9870.1	.29779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082410 Acquired: 3/31/2011 13:22:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.683**	F **126.68**	F **627.40**	**.00565**	**.00709**	F **307.84**	**.01536**
Stddev	.067	.39	1.31	.00261	.00194	.37	.00031
%RSD	.12779	.30543	.20912	46.285	27.424	.12132	2.0160
#1	-52.733	126.82	627.96	.00265	.00490	307.98	.01528
#2	-52.709	126.97	628.34	.00684	.00775	308.12	.01570
#3	-52.606	126.24	625.90	.00745	.00861	307.41	.01510
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36513**	**.36240**	**.01524**	**.62755**	**.75188**	F **187.31**
Stddev	.00113	.00126	.00135	.00125	.00079	.55
%RSD	.30859	.34848	8.8349	.19925	.10520	.29171
#1	.36501	.36229	.01674	.62612	.75278	186.72
#2	.36407	.36119	.01414	.62810	.75132	187.79
#3	.36632	.36371	.01484	.62844	.75153	187.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67094.**	**65423.**
Stddev	125.	451.
%RSD	.18664	.68945
#1	66950.	65296.
#2	67176.	65048.
#3	67157.	65923.

Approved: April 01, 2011

Sample Name: L1103082410PS Acquired: 3/31/2011 13:25:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360447-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20205**	**250.10**	**.28594**	**1.0152**	**3.0076**	**.03908**	**44.200**
Stddev	.00146	1.70	.00285	.0086	.0086	.00034	.165
%RSD	.72181	.67880	.99804	.84547	.28766	.87246	.37418
#1	.20345	251.46	.28857	1.0129	3.0161	.03940	44.380
#2	.20216	250.64	.28635	1.0247	3.0078	.03912	44.164
#3	.20054	248.20	.28290	1.0080	2.9988	.03872	44.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02794**	**.17671**	**.55247**	**.39334**	**289.03**	**37.991**	**.65425**
Stddev	.00024	.00129	.00479	.00441	7.02	.094	.00181
%RSD	.84971	.72993	.86625	1.1206	2.4298	.24778	.27621
#1	.02811	.17811	.55701	.39772	282.76	38.082	.65631
#2	.02804	.17644	.55293	.39339	296.62	37.997	.65294
#3	.02767	.17557	.54747	.38891	287.71	37.894	.65351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.787**	**4.0081**	**.53164**	**25.290**	**.36565**	F **9014.8**	**.49217**
Stddev	.023	.0021	.00073	.111	.00220	34.3	.00272
%RSD	.07872	.05132	.13774	.44003	.60105	.38008	.55256
#1	28.807	4.0092	.53222	25.418	.36777	9039.9	.49516
#2	28.791	4.0057	.53189	25.238	.36582	9028.8	.49150
#3	28.762	4.0094	.53082	25.215	.36338	8975.8	.48985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082410PS Acquired: 3/31/2011 13:25:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360447-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.418**	F **119.00**	F **572.83**	**.58072**	**.18880**	F **609.63**	**.01484**
Stddev	3.910	1.18	1.37	.00518	.00341	2.69	.00035
%RSD	5.8863	.98959	.23872	.89231	1.8037	.44114	2.3418
#1	-62.259	120.20	574.23	.58665	.19114	612.44	.01444
#2	-66.977	118.94	571.50	.57850	.19036	609.36	.01501
#3	-70.018	117.85	572.75	.57702	.18489	607.09	.01507
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79703**	**.82300**	**.23292**	**1.0658**	**1.1433**	F **168.49**
Stddev	.00345	.00211	.00169	.0046	.0032	.95
%RSD	.43269	.25618	.72739	.43650	.27776	.56578
#1	.80100	.82542	.23463	1.0700	1.1463	169.24
#2	.79521	.82203	.23290	1.0665	1.1435	168.81
#3	.79486	.82155	.23124	1.0608	1.1400	167.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66720.**	**66372.**
Stddev	313.	179.
%RSD	.46913	.27009
#1	66448.	66230.
#2	66650.	66313.
#3	67062.	66573.

Approved: April 01, 2011

Sample Name: L1103082410DL Acquired: 3/31/2011 13:29:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360447-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**67.351**	**.02523**	**.03276**	**.57753**	**.00334**	**9.1240**
Stddev	.00062	.247	.00112	.00077	.00119	.00002	.0033
%RSD	81.406	.36715	4.4191	2.3466	.20577	.58570	.03609
#1	.00056	67.616	.02625	.03355	.57617	.00337	9.1234
#2	.00147	67.312	.02404	.03271	.57837	.00334	9.1275
#3	.00027	67.126	.02541	.03201	.57805	.00333	9.1210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.02004**	**.07420**	**.04010**	**67.705**	**3.5184**	**.04289**
Stddev	.00007	.00007	.00014	.00044	.105	.0168	.00081
%RSD	7.0023	.37036	.18682	1.1079	.15530	.47655	1.8858
#1	.00109	.02013	.07436	.04037	67.599	3.5074	.04271
#2	.00096	.02002	.07413	.04033	67.705	3.5102	.04219
#3	.00108	.01999	.07411	.03958	67.810	3.5377	.04377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.7875**	**.88224**	**.00251**	**.31037**	**.03313**	F **2229.0**	**.06675**
Stddev	.0136	.00079	.00015	.00298	.00011	8.5	.00124
%RSD	.23407	.08943	5.9494	.96132	.32374	.38109	1.8544
#1	5.7921	.88306	.00235	.31012	.03306	2232.1	.06566
#2	5.7722	.88148	.00254	.31347	.03308	2235.5	.06810
#3	5.7981	.88218	.00265	.30752	.03325	2219.4	.06649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082410DL Acquired: 3/31/2011 13:29:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360447-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-30.548**	F **28.735**	F **140.78**	**-.00169**	**.00122**	**69.734**	**.00289**
Stddev	7.216	.097	.59	.00151	.00190	.292	.00008
%RSD	23.623	.33702	.42009	89.674	154.93	.41909	2.6224
#1	-36.647	28.827	140.34	-.00077	.00286	69.789	.00290
#2	-32.415	28.745	141.45	-.00086	-.00086	69.995	.00297
#3	-22.581	28.634	140.55	-.00344	.00168	69.418	.00281
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07530**	**.07584**	**.00426**	**.12929**	**.16038**	**37.371**
Stddev	.00016	.00020	.00067	.00035	.00011	.277
%RSD	.21713	.26507	15.616	.27028	.06976	.74073
#1	.07515	.07607	.00500	.12969	.16045	37.689
#2	.07547	.07573	.00371	.12917	.16025	37.242
#3	.07527	.07570	.00408	.12902	.16044	37.183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**70731.**	**67202.**
Stddev	108.	475.
%RSD	.15297	.70615
#1	70609.	67306.
#2	70769.	67616.
#3	70815.	66684.

Approved: April 01, 2011

Sample Name: L1103082410DL Acquired: 3/31/2011 13:32:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360447-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**14.068**	**.00635**	**.00617**	**.11361**	**.00064**	**1.7965**
Stddev	.00005	.041	.00065	.00036	.00037	.00001	.0057
%RSD	45.472	.28851	10.174	5.7784	.32873	2.1614	.31770
#1	.00011	14.045	.00677	.00646	.11362	.00062	1.7902
#2	.00014	14.044	.00668	.00628	.11324	.00064	1.7979
#3	.00005	14.115	.00561	.00577	.11399	.00065	1.8014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00422**	**.01427**	**.00825**	**13.355**	**.70277**	**.00837**
Stddev	.00004	.00008	.00044	.00021	.037	.01398	.00052
%RSD	178.32	1.8721	3.0995	2.5498	.27596	1.9897	6.2064
#1	-.00001	.00415	.01424	.00820	13.370	.68752	.00822
#2	.00007	.00431	.01385	.00807	13.313	.71500	.00794
#3	.00001	.00420	.01473	.00848	13.382	.70578	.00895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1674**	**.17692**	**.00024**	**.06123**	**.00667**	**458.77**	**.01538**
Stddev	.0090	.00047	.00027	.00935	.00029	3.29	.00042
%RSD	.77266	.26472	109.53	15.279	4.2920	.71713	2.7552
#1	1.1771	.17691	-.00006	.05114	.00696	458.47	.01573
#2	1.1594	.17740	.00046	.06962	.00668	455.65	.01491
#3	1.1656	.17647	.00033	.06292	.00638	462.21	.01551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082410DL Acquired: 3/31/2011 13:32:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360447-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-26.115**	**5.9053**	F **28.576**	**-.00463**	**.00098**	**13.278**	**.00028**
Stddev	4.359	.0266	.162	.00083	.00172	.181	.00013
%RSD	16.693	.44978	.56745	17.872	175.05	1.3661	45.926
#1	-25.152	5.8841	28.750	-.00452	-.00026	13.219	.00013
#2	-30.876	5.8968	28.429	-.00550	.00027	13.482	.00033
#3	-22.318	5.9351	28.550	-.00386	.00295	13.134	.00037
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01483**	**.01695**	**.00194**	**.02497**	**.03283**	**5.8918**
Stddev	.00007	.00065	.00084	.00032	.00009	.1117
%RSD	.49490	3.8478	43.274	1.2629	.26248	1.8955
#1	.01491	.01754	.00272	.02472	.03275	6.0125
#2	.01478	.01705	.00105	.02487	.03292	5.7922
#3	.01479	.01625	.00206	.02533	.03281	5.8705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**70781.**	**65708.**
Stddev	183.	649.
%RSD	.25840	.98772
#1	70991.	65910.
#2	70700.	66232.
#3	70653.	64982.

Approved: April 01, 2011

Sample Name: L1103082411 Acquired: 3/31/2011 13:36:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**273.72**	**.11098**	**.14297**	**3.4323**	**.01821**	**54.959**
Stddev	.00032	1.16	.00027	.00140	.0208	.00011	.389
%RSD	7.0174	.42256	.24341	.97676	.60639	.59282	.70855
#1	.00479	273.34	.11068	.14315	3.4126	.01832	54.597
#2	.00456	275.02	.11120	.14149	3.4302	.01810	54.908
#3	.00416	272.80	.11107	.14426	3.4541	.01820	55.371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.22656**	**.32241**	**.18330**	**314.65**	**21.221**	**.18681**
Stddev	.00012	.00070	.00133	.00176	3.41	.155	.00259
%RSD	2.7520	.30948	.41186	.95849	1.0826	.72879	1.3876
#1	.00462	.22737	.32386	.18530	315.86	21.070	.18382
#2	.00443	.22611	.32125	.18205	310.80	21.215	.18827
#3	.00439	.22620	.32214	.18253	317.29	21.379	.18835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.044**	**12.917**	**.01281**	**1.4524**	**.19351**	F **16018.**	**.32387**
Stddev	.357	.118	.00019	.0166	.00051	45.	.00221
%RSD	1.2307	.91601	1.4907	1.1452	.26582	.28243	.68134
#1	28.651	12.792	.01281	1.4385	.19385	16070.	.32487
#2	29.132	12.934	.01300	1.4479	.19292	15997.	.32134
#3	29.350	13.026	.01262	1.4708	.19376	15987.	.32539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082411 Acquired: 3/31/2011 13:36:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-84.798**	F **233.02**	F **1293.3**	**.00538**	**.01158**	F **318.85**	**.01464**
Stddev	6.432	1.37	2.1	.00112	.00170	.72	.00033
%RSD	7.5846	.58587	.16509	20.866	14.668	.22581	2.2749
#1	-92.220	234.58	1295.7	.00667	.01013	319.68	.01450
#2	-80.868	232.44	1292.7	.00486	.01345	318.38	.01440
#3	-81.306	232.04	1291.6	.00461	.01115	318.50	.01502
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38511**	**.26376**	**.01409**	**.59494**	**.77646**	F **156.77**
Stddev	.00208	.00254	.00119	.00099	.00192	.18
%RSD	.54010	.96405	8.4669	.16600	.24763	.11334
#1	.38313	.26220	.01322	.59494	.77738	156.89
#2	.38492	.26239	.01359	.59395	.77425	156.56
#3	.38728	.26669	.01545	.59592	.77775	156.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66183.**	**69660.**
Stddev	321.	535.
%RSD	.48515	.76841
#1	65815.	70277.
#2	66407.	69368.
#3	66327.	69333.

Approved: April 01, 2011

Sample Name: L1103082412 Acquired: 3/31/2011 13:39:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**255.77**	**.09462**	**.13246**	**2.9292**	**.01765**	**45.319**
Stddev	.00064	1.88	.00128	.00299	.0062	.00002	.107
%RSD	29.968	.73603	1.3507	2.2575	.21263	.14147	.23544
#1	.00278	257.06	.09373	.13510	2.9336	.01767	45.436
#2	.00213	253.61	.09404	.13308	2.9319	.01762	45.294
#3	.00150	256.65	.09608	.12922	2.9220	.01765	45.227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**.10896**	**.27880**	**.14582**	**310.80**	**13.034**	**.14799**
Stddev	.00006	.00042	.00073	.00082	5.66	.027	.00139
%RSD	1.5795	.38114	.26208	.56262	1.8213	.21070	.93753
#1	.00401	.10910	.27944	.14554	316.19	13.057	.14925
#2	.00389	.10850	.27800	.14518	311.31	13.042	.14821
#3	.00392	.10929	.27895	.14675	304.90	13.003	.14650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.072**	**3.8710**	**.01083**	**1.9585**	**.14885**	F **5537.1**	**.26169**
Stddev	.044	.0039	.00012	.0044	.00123	11.6	.00069
%RSD	.16164	.09972	1.1144	.22630	.82917	.20900	.26416
#1	27.094	3.8739	.01070	1.9539	.14822	5539.8	.26091
#2	27.021	3.8724	.01093	1.9589	.14805	5524.5	.26193
#3	27.100	3.8666	.01087	1.9627	.15027	5547.2	.26222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082412 Acquired: 3/31/2011 13:39:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.520**	F **101.48**	F **448.22**	**.00360**	**.00702**	F **272.02**	**.01324**
Stddev	5.652	.10	.70	.00113	.00235	.26	.00009
%RSD	8.4968	.09523	.15507	31.296	33.464	.09461	.64598
#1	-60.205	101.44	448.97	.00313	.00441	272.26	.01334
#2	-68.251	101.41	447.60	.00279	.00767	272.06	.01319
#3	-71.105	101.59	448.10	.00489	.00897	271.75	.01319
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33630**	**.17991**	**.01222**	**.50926**	**.45676**	F **153.74**
Stddev	.00061	.00069	.00093	.00026	.00093	.81
%RSD	.18042	.38388	7.6142	.05115	.20382	.52839
#1	.33698	.17964	.01212	.50934	.45708	154.59
#2	.33607	.17939	.01134	.50947	.45571	153.66
#3	.33583	.18069	.01319	.50897	.45749	152.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67444.**	**68394.**
Stddev	72.	608.
%RSD	.10721	.88966
#1	67392.	67722.
#2	67526.	68907.
#3	67413.	68552.

Approved: April 01, 2011

Sample Name: L1103082413 Acquired: 3/31/2011 13:43:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**147.70**	**.07715**	**.11991**	**1.4092**	**.01006**	F **2026.5**
Stddev	.00039	2.00	.00058	.00023	.0019	.00005	12.5
%RSD	17.686	1.3556	.75495	.18848	.13519	.46630	.61630
#1	.00265	148.45	.07663	.11966	1.4076	.01011	2037.2
#2	.00215	149.21	.07704	.12008	1.4113	.01007	2012.8
#3	.00187	145.43	.07778	.12001	1.4087	.01001	2029.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**.11851**	**.19901**	**.18434**	**220.35**	**15.816**	**.44497**
Stddev	.00010	.00016	.00168	.00028	.49	.150	.00315
%RSD	1.0198	.13692	.84594	.15359	.22016	.94731	.70755
#1	.01027	.11836	.20077	.18436	219.81	15.978	.44289
#2	.01008	.11849	.19884	.18461	220.75	15.788	.44859
#3	.01009	.11868	.19742	.18404	220.49	15.682	.44343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.18**	**7.5848**	**.01119**	**2.8963**	**.23777**	F **15864.**	**.26132**
Stddev	.25	.0147	.00032	.0111	.00049	42.	.00380
%RSD	.20051	.19386	2.8441	.38243	.20416	.26245	1.4552
#1	124.89	7.5706	.01150	2.8838	.23819	15903.	.25825
#2	125.32	7.6000	.01086	2.9003	.23789	15868.	.26013
#3	125.32	7.5839	.01120	2.9048	.23724	15820.	.26557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082413 Acquired: 3/31/2011 13:43:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-68.363**	F **3719.3**	F **2460.9**	**.01035**	**.00856**	F **432.67**	**.00899**
Stddev	2.035	6.0	4.3	.00169	.00170	.58	.00043
%RSD	2.9763	.16140	.17400	16.302	19.915	.13385	4.7446
#1	-66.324	3725.3	2465.5	.01223	.00801	433.33	.00920
#2	-68.370	3719.4	2460.2	.00986	.00719	432.41	.00926
#3	-70.394	3713.3	2457.0	.00897	.01047	432.26	.00850
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **20.603**	**.20791**	**.00923**	**.33022**	**.71832**	F **84.283**
Stddev	.095	.00049	.00050	.00109	.00057	.767
%RSD	.46019	.23474	5.3775	.33009	.07934	.91051
#1	20.498	.20738	.00976	.33117	.71897	85.092
#2	20.682	.20801	.00878	.33046	.71796	84.192
#3	20.628	.20834	.00915	.32903	.71801	83.566
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**56124.**	**62407.**
Stddev	150.	106.
%RSD	.26804	.17030
#1	55968.	62351.
#2	56137.	62530.
#3	56268.	62341.

Approved: April 01, 2011

Sample Name: L1103082414 Acquired: 3/31/2011 13:47:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00650**	**329.72**	**.14824**	**.21169**	**3.3538**	**.02115**	**103.26**
Stddev	.00014	2.36	.00032	.00138	.0049	.00011	.10
%RSD	2.0784	.71570	.21517	.65269	.14521	.52343	.09692
#1	.00636	332.34	.14792	.21198	3.3500	.02102	103.15
#2	.00651	329.06	.14824	.21291	3.3593	.02123	103.34
#3	.00663	327.77	.14856	.21019	3.3521	.02120	103.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00539**	**.11245**	**.56696**	**.18663**	**463.97**	**19.313**	**.25235**
Stddev	.00008	.00043	.00198	.00217	1.80	.038	.00139
%RSD	1.4040	.38413	.34976	1.1601	.38728	.19577	.54975
#1	.00534	.11195	.56472	.18422	463.81	19.271	.25075
#2	.00535	.11270	.56851	.18841	465.84	19.344	.25320
#3	.00548	.11269	.56763	.18726	462.26	19.324	.25309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.776**	**4.6512**	**.01579**	**2.0294**	**.18900**	F **9500.8**	**.33425**
Stddev	.087	.0046	.00032	.0038	.00050	54.0	.00252
%RSD	.26546	.09804	2.0191	.18580	.26626	.56835	.75417
#1	32.689	4.6486	.01592	2.0260	.18843	9441.6	.33367
#2	32.775	4.6486	.01543	2.0335	.18918	9547.3	.33700
#3	32.863	4.6565	.01603	2.0288	.18939	9513.6	.33206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082414 Acquired: 3/31/2011 13:47:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-71.041**	F **193.66**	F **750.39**	**.00529**	**.01198**	F **339.72**	**.01652**
Stddev	4.902	1.03	.98	.00081	.00143	1.24	.00044
%RSD	6.9005	.53232	.13114	15.232	11.903	.36373	2.6382
#1	-65.529	192.53	749.78	.00614	.01362	338.39	.01609
#2	-72.679	194.54	751.53	.00521	.01102	340.83	.01652
#3	-74.914	193.90	749.87	.00453	.01131	339.94	.01696
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73156**	**.50398**	**.02505**	**.94178**	**.68823**	F **236.87**
Stddev	.00055	.00064	.00131	.00364	.00105	1.02
%RSD	.07530	.12726	5.2199	.38618	.15230	.43043
#1	.73206	.50439	.02444	.93781	.68713	235.91
#2	.73165	.50432	.02655	.94257	.68921	237.94
#3	.73097	.50324	.02416	.94496	.68837	236.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66022.**	**67104.**
Stddev	155.	191.
%RSD	.23456	.28524
#1	66164.	67153.
#2	65857.	67265.
#3	66043.	66892.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 13:50:45 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42200**	**10.385**	**.40731**	**.51539**	**.97937**	**.05100**	**9.7533**
Stddev	.00355	.040	.00084	.00202	.00174	.00019	.0108
%RSD	.84206	.38398	.20592	.39286	.17734	.36603	.11059
#1	.42435	10.431	.40828	.51686	.97738	.05092	9.7410
#2	.41792	10.363	.40686	.51308	.98012	.05087	9.7611
#3	.42374	10.361	.40679	.51624	.98060	.05122	9.7580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05174**	**.20687**	**.50402**	**.51051**	**3.9533**	**48.318**	**.99084**
Stddev	.00020	.00042	.00020	.00178	.0162	.059	.00267
%RSD	.39199	.20471	.03993	.34886	.40864	.12311	.26968
#1	.05180	.20700	.50385	.51090	3.9717	48.250	.98814
#2	.05152	.20639	.50398	.50856	3.9414	48.339	.99090
#3	.05191	.20721	.50424	.51206	3.9468	48.363	.99348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8630**	**.49486**	F **1.1021**	**50.368**	**.50197**	F **4.6166**	**.50976**
Stddev	.0114	.00045	.0011	.051	.00088	8.0275	.00145
%RSD	.11520	.09179	.10324	.10217	.17459	173.88	.28367
#1	9.8512	.49534	1.1027	50.325	.50169	-.02135	.51051
#2	9.8638	.49444	1.1029	50.425	.50127	13.886	.50809
#3	9.8739	.49479	1.1008	50.355	.50296	-.01472	.51067
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 13:50:45 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.6150**	F **8.9298**	F **-.21589**	**1.2977**	**.41222**	F **709.27**	**1.0750**
Stddev	2.2134	.0179	.26848	.0046	.00377	1.78	.0022
%RSD	25.693	.20029	124.36	.35592	.91350	.25127	.20182
#1	-11.135	8.9178	.04959	1.3000	.41258	709.50	1.0754
#2	-6.9846	8.9212	-.48728	1.2924	.40829	707.38	1.0727
#3	-7.7257	8.9504	-.20999	1.3007	.41579	710.92	1.0769
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97878**	**1.0489**	**.51785**	**1.0481**	**1.0170**	**1.0532**
Stddev	.00183	.0015	.00240	.0026	.0009	.0608
%RSD	.18687	.14719	.46305	.25146	.08731	5.7713
#1	.97740	1.0504	.51910	1.0504	1.0179	1.0712
#2	.98085	1.0473	.51508	1.0452	1.0161	.98541
#3	.97809	1.0491	.51936	1.0488	1.0172	1.1029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66906.**	**62780.**
Stddev	129.	481.
%RSD	.19331	.76656
#1	66975.	63202.
#2	66986.	62881.
#3	66757.	62256.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 13:54:02 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00675**	**-.00025**	**.00232**	**-.00008**	**.00002**	**.00250**
Stddev	.00041	.00148	.00064	.00079	.00007	.00001	.00341
%RSD	1862.4	21.878	253.30	34.271	82.506	48.906	136.20
#1	.00015	.00505	-.00057	.00153	-.00002	.00002	.00215
#2	-.00049	.00765	-.00068	.00311	-.00007	.00003	.00608
#3	.00028	.00757	.00048	.00231	-.00016	.00001	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00001**	**.00006**	**.00010**	**.00163**	**.04810**	**.00167**
Stddev	.00004	.00012	.00032	.00020	.00241	.01512	.00055
%RSD	68.283	1611.6	528.88	199.61	147.40	31.444	32.994
#1	-.00010	.00009	.00037	.00016	.00415	.04075	.00217
#2	-.00007	.00006	-.00027	-.00012	-.00065	.06550	.00176
#3	-.00002	-.00013	.00009	.00027	.00140	.03806	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00027**	**-.00016**	**.01178**	**-.00010**	F **-2.1347**	**.00011**
Stddev	.00348	.00015	.00015	.00120	.00041	3.7423	.00041
%RSD	625.81	54.815	91.657	10.203	405.99	175.31	358.72
#1	.00126	-.00022	.00000	.01058	-.00008	-6.3554	-.00004
#2	.00364	-.00014	-.00028	.01179	.00030	.77829	-.00019
#3	-.00322	-.00043	-.00020	.01298	-.00053	-.82697	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 13:54:02 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.937**	F **.02448**	F **.30599**	**-.00252**	**-.00019**	**-.06758**	**-.00010**
Stddev	7.111	.02716	.25950	.00023	.00195	.05601	.00021
%RSD	47.607	110.95	84.807	9.1450	1020.7	82.881	219.73
#1	-20.933	-.00388	.35601	-.00251	.00136	-.00839	.00001
#2	-16.798	.05025	.53685	-.00230	.00045	-.07461	.00005
#3	-7.0805	.02706	.02512	-.00276	-.00238	-.11975	-.00034
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00182**	**.00006**	**-.00014**	**-.00029**	**-.00380**
Stddev	.00001	.00036	.00075	.00025	.00004	.10171
%RSD	49.907	19.819	1318.6	173.17	12.316	2676.3
#1	.00001	.00205	-.00080	-.00014	-.00025	.09019
#2	.00004	.00140	.00047	.00011	-.00033	-.11179
#3	.00004	.00200	.00051	-.00039	-.00029	.01019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68572.**	**63454.**
Stddev	333.	93.
%RSD	.48634	.14610
#1	68364.	63542.
#2	68396.	63358.
#3	68957.	63463.

Approved: April 01, 2011

Sample Name: L1103082415 Acquired: 3/31/2011 13:57:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00458**	**312.82**	**.12438**	**.17331**	**2.4298**	**.01787**	**49.466**
Stddev	.00054	2.58	.00124	.00183	.0115	.00007	.339
%RSD	11.811	.82382	.99875	1.0572	.47327	.40097	.68521
#1	.00510	314.34	.12565	.17141	2.4422	.01791	49.738
#2	.00402	309.84	.12317	.17346	2.4276	.01779	49.573
#3	.00461	314.27	.12432	.17506	2.4195	.01791	49.086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.09836**	**.38409**	**.18028**	**370.70**	**22.039**	**.21696**
Stddev	.00013	.00026	.00286	.00119	2.49	.097	.00114
%RSD	2.8942	.26725	.74527	.65999	.67191	.44095	.52412
#1	.00442	.09866	.38626	.18113	368.03	22.113	.21747
#2	.00463	.09828	.38085	.17892	372.96	22.075	.21565
#3	.00439	.09815	.38516	.18078	371.11	21.929	.21774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.590**	**3.7230**	**.01670**	**2.1068**	**.16771**	F **11506.**	**.27072**
Stddev	.104	.0084	.00027	.0066	.00121	43.	.00098
%RSD	.33065	.22472	1.6321	.31577	.71882	.37544	.36171
#1	31.677	3.7293	.01670	2.1099	.16867	11555.	.27042
#2	31.620	3.7262	.01643	2.1113	.16811	11489.	.26992
#3	31.474	3.7135	.01698	2.0992	.16636	11474.	.27181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082415 Acquired: 3/31/2011 13:57:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-76.969**	F **173.25**	F **923.65**	**.00621**	**.00920**	F **336.99**	**.01631**
Stddev	3.476	.48	.83	.00174	.00456	.45	.00050
%RSD	4.5159	.27459	.09012	28.066	49.614	.13329	3.0910
#1	-75.466	173.71	924.60	.00572	.01045	336.47	.01689
#2	-74.498	172.76	923.22	.00476	.01301	337.32	.01597
#3	-80.943	173.28	923.11	.00814	.00414	337.17	.01607
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39503**	**.38036**	**.01691**	**.71399**	**.60727**	F **211.98**
Stddev	.00247	.00227	.00101	.00123	.00077	1.57
%RSD	.62433	.59722	5.9931	.17279	.12719	.74011
#1	.39623	.38185	.01727	.71520	.60802	211.93
#2	.39666	.38147	.01770	.71273	.60648	210.44
#3	.39219	.37774	.01577	.71404	.60732	213.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66342.**	**67648.**
Stddev	127.	764.
%RSD	.19147	1.1295
#1	66196.	66868.
#2	66426.	67682.
#3	66404.	68395.

Approved: April 01, 2011

Sample Name: L1103082416 Acquired: 3/31/2011 14:01:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**337.66**	**.12336**	**.16890**	**3.4319**	**.02118**	**51.332**
Stddev	.00063	3.50	.00205	.00121	.0095	.00012	.284
%RSD	17.607	1.0371	1.6641	.71865	.27729	.56597	.55382
#1	.00428	341.52	.12236	.16987	3.4209	.02106	51.005
#2	.00309	336.79	.12199	.16754	3.4379	.02119	51.520
#3	.00332	334.68	.12572	.16930	3.4369	.02130	51.471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00417**	**.12736**	**.39398**	**.17612**	**382.36**	**17.331**	**.19746**
Stddev	.00003	.00040	.00076	.00119	1.62	.062	.00130
%RSD	.69445	.31694	.19257	.67516	.42251	.35758	.66024
#1	.00415	.12766	.39461	.17589	381.33	17.269	.19668
#2	.00416	.12690	.39420	.17507	381.52	17.393	.19896
#3	.00421	.12753	.39314	.17741	384.22	17.333	.19673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.591**	**2.7701**	**.01621**	**6.0265**	**.18090**	F **7594.9**	**.28095**
Stddev	.167	.0067	.00007	.0410	.00035	16.3	.00167
%RSD	.43167	.24264	.41913	.67991	.19159	.21497	.59411
#1	38.411	2.7624	.01628	5.9793	.18103	7612.4	.28132
#2	38.740	2.7750	.01620	6.0481	.18051	7580.0	.28241
#3	38.622	2.7728	.01614	6.0522	.18116	7592.4	.27913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082416 Acquired: 3/31/2011 14:01:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.267**	F **134.90**	F **638.92**	**.00659**	**.01001**	F **295.78**	**.01705**
Stddev	3.046	.55	.82	.00183	.00294	2.44	.00021
%RSD	4.3355	.40947	.12896	27.821	29.416	.82408	1.2192
#1	-67.059	134.94	639.83	.00511	.01196	296.78	.01687
#2	-70.621	134.33	638.67	.00864	.01144	293.00	.01701
#3	-73.121	135.44	638.24	.00602	.00662	297.56	.01728
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45966**	**.27668**	**.01714**	**.73286**	**.53649**	F **227.07**
Stddev	.00208	.00030	.00169	.00303	.00019	.46
%RSD	.45161	.10878	9.8829	.41334	.03625	.20242
#1	.45728	.27636	.01600	.73017	.53671	227.55
#2	.46107	.27695	.01633	.73227	.53640	227.00
#3	.46064	.27674	.01909	.73614	.53636	226.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67165.**	**68351.**
Stddev	91.	331.
%RSD	.13545	.48400
#1	67134.	68604.
#2	67268.	67976.
#3	67094.	68471.

Approved: April 01, 2011

Sample Name: L1103082417 Acquired: 3/31/2011 14:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00604**	**322.46**	**.11658**	**.16134**	**2.8841**	**.01700**	**69.208**
Stddev	.00027	2.68	.00145	.00010	.0026	.00004	.310
%RSD	4.3943	.83099	1.2443	.06277	.08882	.26088	.44827
#1	.00609	320.26	.11819	.16122	2.8812	.01705	68.868
#2	.00576	325.44	.11616	.16137	2.8854	.01696	69.279
#3	.00629	321.67	.11538	.16141	2.8857	.01698	69.477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00626**	**.10392**	**.37024**	**.19993**	**301.38**	**27.434**	**.23370**
Stddev	.00010	.00036	.00078	.00105	.63	.128	.00107
%RSD	1.5402	.34705	.21163	.52498	.20904	.46742	.45875
#1	.00629	.10431	.37114	.20106	300.69	27.317	.23247
#2	.00633	.10361	.36972	.19898	301.52	27.414	.23426
#3	.00615	.10382	.36986	.19974	301.92	27.571	.23438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.885**	**5.8684**	**.01194**	**1.5456**	**.18805**	F **17391.**	**.31530**
Stddev	.194	.0196	.00015	.0032	.00068	37.	.00122
%RSD	.59054	.33402	1.2229	.20749	.36218	.21330	.38775
#1	32.702	5.8502	.01183	1.5463	.18877	17424.	.31672
#2	32.865	5.8658	.01188	1.5420	.18741	17350.	.31462
#3	33.089	5.8892	.01211	1.5483	.18799	17398.	.31457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082417 Acquired: 3/31/2011 14:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-67.233**	F **264.92**	F **1421.7**	**.00484**	**.01237**	F **306.57**	**.01669**
Stddev	2.189	1.22	1.5	.00138	.00207	2.17	.00016
%RSD	3.2556	.45896	.10213	28.474	16.776	.70861	.96441
#1	-69.137	266.29	1423.1	.00458	.01364	309.07	.01651
#2	-64.842	263.98	1421.8	.00633	.00997	305.44	.01679
#3	-67.719	264.48	1420.2	.00361	.01349	305.19	.01678
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48128**	**.56105**	**.01662**	**.66830**	**.89125**	F **207.24**
Stddev	.00134	.00132	.00059	.00269	.00056	1.23
%RSD	.27744	.23482	3.5652	.40312	.06299	.59467
#1	.47992	.55967	.01731	.67082	.89168	208.44
#2	.48132	.56118	.01631	.66546	.89061	205.98
#3	.48259	.56229	.01626	.66862	.89144	207.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65995.**	**66595.**
Stddev	177.	373.
%RSD	.26757	.55970
#1	65796.	66941.
#2	66134.	66644.
#3	66054.	66200.

Approved: April 01, 2011

Sample Name: L1103082418 Acquired: 3/31/2011 14:08:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00189**	**299.60**	**.09959**	**.13595**	**3.5466**	**.02045**	**49.707**
Stddev	.00075	.73	.00213	.00181	.0133	.00006	.223
%RSD	39.490	.24241	2.1354	1.3341	.37383	.29302	.44906
#1	.00145	300.38	.09915	.13399	3.5370	.02042	49.602
#2	.00276	298.94	.09772	.13629	3.5411	.02041	49.555
#3	.00148	299.48	.10191	.13757	3.5618	.02052	49.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.11553**	**.32844**	**.14989**	**314.30**	**13.877**	**.18418**
Stddev	.00007	.00052	.00263	.00139	1.78	.032	.00117
%RSD	2.1770	.45246	.80213	.92976	.56595	.22721	.63311
#1	.00328	.11546	.32592	.15017	312.84	13.866	.18316
#2	.00330	.11504	.32824	.14838	313.78	13.853	.18393
#3	.00342	.11608	.33117	.15112	316.28	13.913	.18545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.173**	**2.1492**	**.01283**	**1.5529**	**.15692**	F **6410.8**	**.23223**
Stddev	.110	.0025	.00032	.0092	.00091	11.5	.00042
%RSD	.36462	.11590	2.4737	.59104	.58204	.17920	.18013
#1	30.077	2.1483	.01249	1.5486	.15589	6412.7	.23213
#2	30.149	2.1474	.01285	1.5468	.15763	6398.4	.23187
#3	30.293	2.1520	.01313	1.5635	.15723	6421.1	.23269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082418 Acquired: 3/31/2011 14:08:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.108**	F **113.81**	F **493.42**	**.00316**	**.00597**	F **327.46**	**.01470**
Stddev	2.011	.50	.45	.00140	.00169	1.89	.00060
%RSD	3.2905	.44366	.09213	44.239	28.249	.57665	4.0632
#1	-63.274	113.78	492.90	.00161	.00635	325.74	.01526
#2	-60.749	113.33	493.62	.00432	.00744	327.16	.01407
#3	-59.300	114.34	493.74	.00356	.00413	329.48	.01476
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38899**	**.21312**	**.01189**	**.59325**	**.43491**	F **182.75**
Stddev	.00131	.00067	.00097	.00287	.00061	1.63
%RSD	.33684	.31415	8.1222	.48415	.13948	.89068
#1	.38840	.21274	.01078	.59497	.43544	181.99
#2	.38808	.21390	.01234	.58994	.43425	181.64
#3	.39049	.21274	.01255	.59485	.43505	184.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66986.**	**67500.**
Stddev	206.	150.
%RSD	.30748	.22281
#1	67022.	67517.
#2	67172.	67641.
#3	66765.	67341.

Approved: April 01, 2011

Sample Name: L1103082419 Acquired: 3/31/2011 14:11:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00467**	**219.88**	**.10109**	**.14631**	**1.9000**	**.01429**	**32.968**
Stddev	.00095	1.86	.00106	.00165	.0068	.00004	.106
%RSD	20.244	.84432	1.0440	1.1262	.35773	.24995	.32276
#1	.00485	220.93	.10158	.14540	1.8921	.01433	32.848
#2	.00365	220.97	.10181	.14821	1.9040	.01426	33.049
#3	.00552	217.73	.09988	.14531	1.9037	.01427	33.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00598**	**.16640**	**.31338**	**.16292**	**315.15**	**16.482**	**.17972**
Stddev	.00010	.00043	.00032	.00095	1.70	.091	.00079
%RSD	1.6173	.25620	.10217	.58387	.53809	.55236	.43695
#1	.00591	.16672	.31334	.16394	315.41	16.377	.18034
#2	.00609	.16591	.31371	.16206	316.70	16.525	.17998
#3	.00594	.16657	.31308	.16276	313.34	16.543	.17884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.336**	**8.2841**	**.00966**	**1.4445**	**.18199**	F **10292.**	**.44204**
Stddev	.155	.0235	.00039	.0059	.00064	38.	.00103
%RSD	.69427	.28390	4.0115	.40595	.35327	.36593	.23380
#1	22.160	8.2573	.00929	1.4416	.18273	10332.	.44230
#2	22.399	8.2938	.00963	1.4407	.18159	10257.	.44291
#3	22.450	8.3012	.01006	1.4513	.18164	10287.	.44090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082419 Acquired: 3/31/2011 14:11:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.448**	F **168.88**	F **961.06**	**.00527**	**.00897**	F **338.25**	**.01692**
Stddev	2.539	.85	1.39	.00061	.00121	1.83	.00017
%RSD	4.2713	.50515	.14419	11.568	13.524	.54155	1.0034
#1	-57.281	169.85	961.61	.00561	.01022	339.92	.01710
#2	-62.242	168.26	959.48	.00562	.00890	336.29	.01691
#3	-58.820	168.53	962.08	.00456	.00779	338.54	.01676
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26804**	**.42844**	**.01542**	**.55607**	**.83229**	F **129.88**
Stddev	.00022	.00067	.00109	.00102	.00042	.27
%RSD	.08022	.15645	7.0417	.18410	.05097	.21133
#1	.26800	.42783	.01568	.55697	.83187	129.96
#2	.26828	.42833	.01423	.55495	.83228	130.11
#3	.26785	.42915	.01636	.55628	.83272	129.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66204.**	**66625.**
Stddev	99.	375.
%RSD	.15016	.56244
#1	66100.	67057.
#2	66212.	66415.
#3	66298.	66401.

Approved: April 01, 2011

Sample Name: L1103082420 Acquired: 3/31/2011 14:15:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**192.49**	**.11150**	**.16272**	**1.7414**	**.01688**	**27.983**
Stddev	.00020	1.79	.00066	.00435	.0076	.00011	.102
%RSD	4.8594	.92736	.58811	2.6744	.43870	.63993	.36614
#1	.00405	190.58	.11184	.15770	1.7439	.01677	27.946
#2	.00420	194.12	.11074	.16537	1.7476	.01691	28.099
#3	.00382	192.77	.11191	.16509	1.7329	.01698	27.905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**.15747**	**.38152**	**.15097**	**394.03**	**10.938**	**.13016**
Stddev	.00006	.00066	.00169	.00094	6.63	.052	.00224
%RSD	1.2910	.42159	.44321	.62511	1.6825	.47610	1.7194
#1	.00462	.15671	.37961	.15015	386.40	10.941	.13106
#2	.00471	.15776	.38281	.15077	397.37	10.988	.13181
#3	.00460	.15794	.38215	.15200	398.33	10.884	.12761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.667**	**7.9245**	**.01126**	**2.2438**	**.15942**	F **8576.5**	**.40669**
Stddev	.073	.0255	.00050	.0083	.00034	19.9	.00237
%RSD	.37020	.32208	4.4225	.36982	.21086	.23252	.58209
#1	19.607	7.8981	.01105	2.2362	.15980	8553.6	.40428
#2	19.748	7.9491	.01089	2.2526	.15917	8589.5	.40901
#3	19.645	7.9262	.01182	2.2427	.15929	8586.5	.40677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082420 Acquired: 3/31/2011 14:15:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.897**	F **114.00**	F **621.27**	**.00502**	**.00924**	F **320.84**	**.01228**
Stddev	3.862	.84	.99	.00258	.00096	.70	.00025
%RSD	7.1655	.73411	.15920	51.317	10.394	.21904	2.0485
#1	-55.731	113.05	620.13	.00228	.00842	320.44	.01224
#2	-49.460	114.31	621.85	.00539	.00900	321.65	.01255
#3	-56.501	114.63	621.83	.00740	.01030	320.43	.01205
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22182**	**.24450**	**.01637**	**.59580**	**.55445**	F **125.31**
Stddev	.00065	.00095	.00016	.00342	.00138	.95
%RSD	.29189	.39044	.97132	.57406	.24834	.75954
#1	.22122	.24464	.01654	.59228	.55298	124.21
#2	.22251	.24538	.01623	.59600	.55465	125.95
#3	.22174	.24348	.01634	.59912	.55571	125.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66783.**	**66330.**
Stddev	219.	250.
%RSD	.32834	.37637
#1	67031.	66368.
#2	66706.	66063.
#3	66613.	66557.

Approved: April 01, 2011

Sample Name: L1103082421 Acquired: 3/31/2011 14:18:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**360.67**	**.14349**	**.18319**	**3.3942**	**.02161**	**49.287**
Stddev	.00015	1.47	.00193	.00549	.0109	.00007	.053
%RSD	3.4693	.40674	1.3483	2.9953	.32108	.32070	.10688
#1	.00432	359.00	.14302	.17825	3.3829	.02165	49.237
#2	.00452	361.26	.14562	.18222	3.3951	.02166	49.342
#3	.00423	361.74	.14184	.18910	3.4046	.02153	49.282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.14439**	**.34778**	**.24991**	**405.71**	**24.103**	**.28817**
Stddev	.00009	.00034	.00039	.00158	7.45	.068	.00162
%RSD	.93816	.23508	.11336	.63229	1.8359	.28008	.56296
#1	.00953	.14477	.34748	.25139	399.16	24.025	.28708
#2	.00968	.14429	.34763	.25011	404.17	24.136	.28739
#3	.00970	.14412	.34823	.24825	413.81	24.148	.29003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.835**	**6.3363**	**.01586**	**2.4113**	**.21288**	F **18487.**	**.54302**
Stddev	.181	.0178	.00024	.0126	.00099	12.	.00236
%RSD	.52078	.28121	1.4947	.52343	.46474	.06731	.43407
#1	34.630	6.3163	.01587	2.4222	.21365	18501.	.54528
#2	34.902	6.3503	.01562	2.4142	.21321	18479.	.54058
#3	34.973	6.3424	.01609	2.3975	.21176	18480.	.54320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082421 Acquired: 3/31/2011 14:18:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.399**	F **253.45**	F **1488.4**	**.00480**	**.00753**	F **284.91**	**.02008**
Stddev	5.243	.61	.3	.00284	.00184	.70	.00010
%RSD	8.5390	.23898	.02221	59.258	24.484	.24488	.49047
#1	-65.712	253.72	1488.0	.00788	.00553	285.37	.02017
#2	-62.923	253.88	1488.5	.00423	.00788	285.26	.01998
#3	-55.563	252.76	1488.6	.00228	.00917	284.11	.02010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41099**	**.40808**	**.01561**	**.70640**	**1.4675**	F **252.68**
Stddev	.00064	.00314	.00064	.00274	.0020	.08
%RSD	.15687	.76858	4.1280	.38855	.13464	.03032
#1	.41164	.40528	.01561	.70933	1.4695	252.70
#2	.41098	.40750	.01626	.70598	1.4675	252.59
#3	.41036	.41147	.01497	.70389	1.4655	252.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67053.**	**67497.**
Stddev	121.	375.
%RSD	.18050	.55511
#1	66919.	67925.
#2	67086.	67336.
#3	67155.	67229.

Approved: April 01, 2011

Sample Name: L1103082422 Acquired: 3/31/2011 14:22:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**266.23**	**.09024**	**.14167**	**1.7268**	**.01368**	**50.302**
Stddev	.00030	2.77	.00140	.00348	.0068	.00003	.121
%RSD	7.0762	1.0417	1.5482	2.4557	.39328	.24025	.23963
#1	.00401	263.02	.09100	.14083	1.7299	.01365	50.255
#2	.00422	267.82	.08863	.13868	1.7315	.01367	50.439
#3	.00461	267.83	.09109	.14548	1.7190	.01371	50.212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**.09546**	**.29637**	**.16340**	**264.97**	**21.854**	**.21300**
Stddev	.00007	.00031	.00161	.00144	4.40	.036	.00095
%RSD	1.2365	.32365	.54474	.88412	1.6593	.16653	.44693
#1	.00535	.09518	.29467	.16174	263.93	21.859	.21406
#2	.00549	.09542	.29657	.16414	261.20	21.888	.21273
#3	.00544	.09579	.29788	.16433	269.80	21.816	.21222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.591**	**4.6164**	**.01007**	**3.1870**	**.16497**	F **13580.**	**.30878**
Stddev	.141	.0123	.00005	.0053	.00054	29.	.00091
%RSD	.49304	.26610	.46245	.16567	.32790	.21699	.29457
#1	28.505	4.6061	.01008	3.1897	.16477	13547.	.30847
#2	28.514	4.6132	.01010	3.1903	.16558	13602.	.30980
#3	28.754	4.6300	.01001	3.1809	.16456	13592.	.30806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082422 Acquired: 3/31/2011 14:22:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.524**	F **230.88**	F **1284.8**	**.00429**	**.00763**	F **292.74**	**.01414**
Stddev	4.156	1.49	3.1	.00057	.00189	8.12	.00031
%RSD	6.7552	.64717	.23945	13.352	24.798	2.7747	2.2042
#1	-61.801	229.25	1281.2	.00433	.00925	284.10	.01450
#2	-65.535	231.20	1286.4	.00483	.00808	293.91	.01393
#3	-57.236	232.19	1286.7	.00369	.00555	300.22	.01398
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38832**	**.45294**	**.01087**	**.51608**	**.85897**	F **164.81**
Stddev	.00104	.00111	.00041	.00021	.00180	.63
%RSD	.26896	.24483	3.8051	.04014	.20958	.38217
#1	.38843	.45186	.01049	.51617	.85703	164.09
#2	.38931	.45408	.01082	.51585	.86058	165.25
#3	.38723	.45289	.01131	.51624	.85930	165.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66066.**	**66432.**
Stddev	126.	682.
%RSD	.19084	1.0266
#1	66184.	66873.
#2	65933.	66777.
#3	66081.	65647.

Approved: April 01, 2011

Sample Name: L1103082423 Acquired: 3/31/2011 14:25:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**246.75**	**.10564**	**.13314**	**1.3026**	**.01566**	**30.942**
Stddev	.00067	1.01	.00092	.00371	.0021	.00004	.114
%RSD	17.698	.40847	.87107	2.7841	.15725	.26113	.36762
#1	.00432	245.59	.10459	.13524	1.3049	.01568	31.071
#2	.00303	247.39	.10600	.12886	1.3010	.01568	30.857
#3	.00396	247.28	.10632	.13532	1.3018	.01561	30.897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**.06819**	**.34878**	**.15711**	**301.33**	**15.858**	**.16974**
Stddev	.00007	.00012	.00121	.00063	5.38	.057	.00081
%RSD	1.7807	.17550	.34827	.40217	1.7843	.35793	.47931
#1	.00387	.06831	.34783	.15733	304.74	15.924	.16953
#2	.00381	.06807	.35015	.15760	295.14	15.824	.16905
#3	.00395	.06819	.34835	.15640	304.13	15.827	.17064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.094**	**2.3580**	**.01041**	**7.5245**	**.15699**	F **6064.7**	**.22534**
Stddev	.020	.0016	.00035	.0270	.00034	8.9	.00227
%RSD	.07951	.06925	3.3640	.35819	.21489	.14727	1.0090
#1	25.114	2.3584	.01002	7.5553	.15661	6067.0	.22751
#2	25.093	2.3562	.01050	7.5050	.15709	6072.3	.22298
#3	25.074	2.3594	.01071	7.5132	.15727	6054.9	.22552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082423 Acquired: 3/31/2011 14:25:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.962**	F **170.16**	F **970.20**	**.00491**	**.00680**	F **294.09**	**.01252**
Stddev	5.678	.42	.52	.00074	.00393	.84	.00020
%RSD	11.142	.24789	.05385	15.093	57.724	.28634	1.6373
#1	-55.352	170.48	969.60	.00489	.00834	294.37	.01248
#2	-52.985	170.31	970.48	.00418	.00234	294.77	.01274
#3	-44.549	169.68	970.53	.00566	.00973	293.15	.01233
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32244**	**.31381**	**.01451**	**.59854**	**.49242**	F **170.83**
Stddev	.00135	.00053	.00120	.00207	.00062	.11
%RSD	.41854	.16732	8.2666	.34560	.12576	.06731
#1	.32398	.31435	.01552	.60082	.49203	170.79
#2	.32147	.31330	.01483	.59804	.49210	170.74
#3	.32186	.31379	.01319	.59677	.49314	170.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66529.**	**66681.**
Stddev	62.	431.
%RSD	.09356	.64575
#1	66558.	66187.
#2	66458.	66978.
#3	66572.	66878.

Approved: April 01, 2011

Sample Name: L1103082424 Acquired: 3/31/2011 14:29:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00387**	**228.29**	**.11437**	**.14360**	**2.4709**	**.01627**	**45.799**
Stddev	.00019	1.69	.00217	.00198	.0040	.00004	.099
%RSD	4.8102	.74192	1.8969	1.3790	.16022	.26100	.21704
#1	.00378	226.35	.11207	.14163	2.4664	.01624	45.692
#2	.00409	229.06	.11639	.14358	2.4725	.01626	45.815
#3	.00375	229.47	.11465	.14559	2.4738	.01632	45.889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00479**	**.14897**	**.40379**	**.16308**	**323.12**	**13.761**	**.15416**
Stddev	.00016	.00080	.00164	.00090	3.62	.033	.00060
%RSD	3.3889	.53599	.40724	.55413	1.1212	.23640	.38813
#1	.00472	.14806	.40208	.16204	320.52	13.750	.15347
#2	.00467	.14929	.40536	.16358	321.58	13.736	.15451
#3	.00497	.14955	.40392	.16362	327.26	13.798	.15451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.353**	**8.7467**	**.01327**	**1.3690**	**.14135**	F **11673.**	**.35762**
Stddev	.123	.0286	.00006	.0066	.00018	52.	.00143
%RSD	.54860	.32663	.48143	.48307	.13013	.44199	.39872
#1	22.228	8.7139	.01325	1.3765	.14118	11614.	.35735
#2	22.356	8.7595	.01334	1.3641	.14155	11696.	.35635
#3	22.473	8.7666	.01321	1.3665	.14131	11710.	.35917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082424 Acquired: 3/31/2011 14:29:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.766**	F **161.65**	F **842.09**	**.00711**	**.01177**	F **312.65**	**.01295**
Stddev	6.822	.98	2.57	.00035	.00166	1.60	.00019
%RSD	12.017	.60806	.30567	4.9216	14.098	.51103	1.4612
#1	-51.648	160.69	839.16	.00718	.01368	310.97	.01290
#2	-64.510	161.62	843.10	.00742	.01072	312.84	.01280
#3	-54.139	162.65	844.00	.00673	.01091	314.15	.01316
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34203**	**.27441**	**.01527**	**.63700**	**.62159**	F **139.64**
Stddev	.00056	.00199	.00088	.00170	.00041	.44
%RSD	.16382	.72579	5.7930	.26641	.06516	.31502
#1	.34164	.27224	.01516	.63703	.62149	139.22
#2	.34267	.27482	.01445	.63529	.62125	140.10
#3	.34177	.27616	.01621	.63869	.62204	139.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66019.**	**66433.**
Stddev	40.	213.
%RSD	.06104	.32068
#1	66060.	66618.
#2	66019.	66481.
#3	65979.	66200.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 14:33:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43355**	**10.414**	**.41324**	**.51984**	**.96396**	**.05171**	**9.5538**
Stddev	.00233	.032	.00111	.00098	.00072	.00035	.0279
%RSD	.53658	.31123	.26854	.18773	.07510	.66852	.29170
#1	.43098	10.415	.41386	.51934	.96479	.05146	9.5771
#2	.43552	10.447	.41390	.52097	.96343	.05211	9.5229
#3	.43414	10.382	.41196	.51922	.96367	.05157	9.5614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05256**	**.21100**	**.50605**	**.51982**	**3.8982**	**47.673**	**.98008**
Stddev	.00005	.00060	.00376	.00159	.0082	.083	.00066
%RSD	.09887	.28302	.74233	.30652	.20924	.17317	.06689
#1	.05255	.21090	.50457	.51983	3.9027	47.668	.98055
#2	.05262	.21164	.51033	.52142	3.8888	47.593	.98036
#3	.05252	.21046	.50326	.51823	3.9031	47.757	.97933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8222**	**.49418**	**1.0981**	**49.761**	**.50588**	F **4.9307**	**.51435**
Stddev	.0282	.00035	.0020	.135	.00029	4.4410	.00293
%RSD	.28675	.07108	.18486	.27135	.05768	90.068	.57002
#1	9.8134	.49402	1.0981	49.710	.50612	5.5084	.51217
#2	9.7995	.49394	1.0960	49.659	.50596	.22913	.51319
#3	9.8537	.49459	1.1001	49.914	.50555	9.0546	.51768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 14:33:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.9260**	**9.1182**	F **-.12663**	**1.3090**	**.42053**	F **714.26**	**1.0889**
Stddev	1.1797	.0140	.16272	.0044	.00060	1.02	.0023
%RSD	30.047	.15396	128.51	.33374	.14341	.14333	.21004
#1	3.8456	9.1032	-.13427	1.3101	.41985	715.20	1.0883
#2	2.7887	9.1204	.03978	1.3042	.42099	714.40	1.0914
#3	5.1439	9.1311	-.28539	1.3128	.42075	713.17	1.0870
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96545**	**1.0425**	**.52427**	**1.0674**	**1.0306**	**1.0975**
Stddev	.00136	.0021	.00089	.0042	.0016	.0723
%RSD	.14072	.20235	.16976	.39444	.15346	6.5871
#1	.96459	1.0418	.52520	1.0636	1.0298	1.0376
#2	.96474	1.0408	.52343	1.0720	1.0324	1.0772
#3	.96702	1.0449	.52419	1.0667	1.0296	1.1778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65979.**	**62926.**
Stddev	174.	837.
%RSD	.26425	1.3299
#1	66162.	63106.
#2	65815.	63658.
#3	65959.	62014.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 14:36:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00955**	**.00053**	**.00184**	**.00008**	**.00000**	**.00095**
Stddev	.00040	.00111	.00048	.00024	.00005	.0000	.00314
%RSD	339.23	11.623	91.034	13.148	58.196	3244.8	332.09
#1	.00006	.01023	.00034	.00170	.00014	-.00002	-.00204
#2	-.00057	.01015	.00107	.00170	.00007	.00002	.00065
#3	.00016	.00827	.00017	.00212	.00004	.00000	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00006**	**.00016**	**.00042**	**.00221**	**.08707**	**.00137**
Stddev	.00002	.00018	.00011	.00052	.00057	.02875	.00176
%RSD	430.74	299.41	65.951	123.22	25.947	33.023	128.58
#1	.00003	-.00016	.00017	.00038	.00219	.11760	-.00038
#2	.00000	-.00017	.00027	.00096	.00280	.06050	.00134
#3	-.00001	.00015	.00005	-.00008	.00165	.08312	.00314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**-.00005**	**.00007**	**.00984**	**-.00041**	F **5.7600**	**.00148**
Stddev	.00099	.00016	.00010	.01062	.00021	2.5813	.00017
%RSD	71.075	350.59	130.14	107.93	51.500	44.815	11.704
#1	.00027	.00001	.00004	.02150	-.00027	7.0086	.00162
#2	.00215	-.00023	.00018	.00073	-.00065	7.4796	.00129
#3	.00176	.00008	.00000	.00729	-.00031	2.7918	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 14:36:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.543**	F **.08801**	F **.32999**	**-.00244**	**-.00041**	**.15938**	**-.00009**
Stddev	1.250	.01737	.14027	.00084	.00115	.11739	.00043
%RSD	8.5937	19.733	42.508	34.241	278.67	73.658	497.33
#1	-15.561	.10435	.24526	-.00186	.00030	.25744	-.00027
#2	-13.148	.08991	.49191	-.00206	.00020	.19141	.00041
#3	-14.920	.06977	.25281	-.00340	-.00174	.02929	-.00039
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00065**	**.00067**	**.00013**	**-.00026**	**.02321**
Stddev	.00006	.00023	.00083	.00011	.00004	.07268
%RSD	532.88	36.210	123.61	88.655	14.212	313.08
#1	.00007	.00080	.00086	.00003	-.00030	-.03250
#2	.00001	.00038	-.00024	.00010	-.00023	.10543
#3	-.00004	.00076	.00140	.00025	-.00025	-.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67565.**	**62098.**
Stddev	109.	199.
%RSD	.16119	.32007
#1	67514.	62327.
#2	67491.	61985.
#3	67690.	61981.

Approved: April 01, 2011

Sample Name: L1103082425 Acquired: 3/31/2011 14:39:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**247.42**	**.10257**	**.13470**	**2.4039**	**.01611**	**32.390**
Stddev	.00058	1.70	.00167	.00507	.0122	.00006	.195
%RSD	12.430	.68712	1.6307	3.7663	.50679	.36840	.60327
#1	.00410	249.37	.10206	.12943	2.3947	.01616	32.219
#2	.00526	246.27	.10444	.13511	2.4177	.01605	32.603
#3	.00474	246.62	.10122	.13955	2.3992	.01613	32.347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.11860**	**.33779**	**.14495**	**301.35**	**15.535**	**.18639**
Stddev	.00016	.00029	.00147	.00148	6.97	.085	.00145
%RSD	3.4698	.24217	.43416	1.0180	2.3136	.54822	.77812
#1	.00432	.11891	.33872	.14627	294.93	15.465	.18805
#2	.00447	.11853	.33610	.14522	300.35	15.630	.18534
#3	.00463	.11835	.33855	.14336	308.77	15.511	.18580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.206**	**6.1942**	**.01069**	**3.1070**	**.14728**	F **8346.5**	**.30852**
Stddev	.109	.0147	.00015	.0198	.00112	3.0	.00129
%RSD	.46766	.23652	1.4157	.63822	.76011	.03628	.41955
#1	23.085	6.1801	.01072	3.0906	.14852	8349.8	.30781
#2	23.294	6.2094	.01052	3.1291	.14697	8345.8	.30773
#3	23.240	6.1931	.01082	3.1015	.14635	8343.9	.31001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082425 Acquired: 3/31/2011 14:39:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.764**	F **120.11**	F **627.89**	**.00617**	**.00823**	F **307.66**	**.01331**
Stddev	8.998	.44	2.11	.00047	.00218	1.00	.00009
%RSD	15.852	.36445	.33609	7.6343	26.519	.32579	.69558
#1	-66.155	120.59	630.23	.00573	.01074	308.73	.01342
#2	-55.920	119.99	627.31	.00611	.00712	307.52	.01326
#3	-48.218	119.74	626.14	.00667	.00682	306.74	.01325
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31738**	**.35863**	**.01353**	**.60641**	**.54738**	F **179.18**
Stddev	.00107	.00104	.00080	.00261	.00074	.58
%RSD	.33661	.28873	5.9322	.43120	.13553	.32470
#1	.31684	.35805	.01374	.60932	.54674	179.84
#2	.31861	.35982	.01420	.60426	.54719	178.74
#3	.31669	.35801	.01264	.60564	.54819	178.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66622.**	**66826.**
Stddev	101.	467.
%RSD	.15114	.69843
#1	66520.	67282.
#2	66721.	66349.
#3	66623.	66849.

Approved: April 01, 2011

Sample Name: L1103082426 Acquired: 3/31/2011 14:43:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00515**	**324.50**	**.11358**	**.16331**	**2.6273**	**.01765**	**52.453**
Stddev	.00025	2.19	.00177	.00302	.0043	.00010	.164
%RSD	4.9449	.67605	1.5624	1.8483	.16234	.54450	.31209
#1	.00544	325.86	.11212	.16132	2.6249	.01754	52.264
#2	.00497	321.97	.11556	.16182	2.6322	.01769	52.541
#3	.00503	325.67	.11307	.16678	2.6247	.01772	52.554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00802**	**.11382**	**.33243**	**.20560**	**315.96**	**27.856**	**.26342**
Stddev	.00010	.00036	.00254	.00065	4.49	.095	.00152
%RSD	1.2770	.31975	.76265	.31483	1.4213	.34164	.57766
#1	.00803	.11341	.32954	.20509	313.40	27.746	.26414
#2	.00791	.11394	.33430	.20633	313.34	27.910	.26167
#3	.00812	.11411	.33344	.20538	321.15	27.912	.26445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.692**	**5.2510**	**.01193**	**3.1546**	**.20019**	F **19697.**	**.47143**
Stddev	.225	.0168	.00039	.0092	.00048	24.	.00140
%RSD	.66858	.31967	3.2336	.29135	.24142	.12380	.29765
#1	33.491	5.2365	.01224	3.1472	.19963	19703.	.47272
#2	33.650	5.2471	.01204	3.1519	.20044	19718.	.47164
#3	33.936	5.2694	.01149	3.1649	.20049	19670.	.46993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082426 Acquired: 3/31/2011 14:43:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.115**	F **297.88**	F **1761.8**	**.00583**	**.00668**	F **290.42**	**.01695**
Stddev	5.677	.64	.7	.00047	.00221	1.93	.00031
%RSD	8.8541	.21387	.04127	8.1242	33.037	.66619	1.8338
#1	-61.948	297.15	1761.3	.00619	.00460	290.07	.01684
#2	-70.556	298.15	1762.7	.00601	.00899	292.50	.01730
#3	-59.841	298.34	1761.5	.00530	.00644	288.68	.01670
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41642**	**.46698**	**.01283**	**.60623**	**1.3199**	F **197.11**
Stddev	.00135	.00037	.00238	.00190	.0008	1.40
%RSD	.32382	.07822	18.552	.31301	.05828	.70878
#1	.41487	.46656	.01199	.60406	1.3204	195.69
#2	.41735	.46721	.01552	.60706	1.3204	198.48
#3	.41705	.46717	.01098	.60757	1.3191	197.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66897.**	**66610.**
Stddev	46.	683.
%RSD	.06855	1.0254
#1	66945.	67142.
#2	66892.	66847.
#3	66853.	65839.

Approved: April 01, 2011

Sample Name: L1103082427S Acquired: 3/31/2011 14:46:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19283**	**270.00**	**.27834**	**.13650**	**3.1719**	**.01753**	**36.432**
Stddev	.00077	.25	.00084	.00093	.0176	.00004	.196
%RSD	.40031	.09403	.30156	.68110	.55351	.22135	.53850
#1	.19232	270.28	.27846	.13757	3.1589	.01749	36.374
#2	.19372	269.93	.27744	.13599	3.1650	.01756	36.271
#3	.19246	269.79	.27910	.13594	3.1919	.01754	36.651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02933**	**.27993**	**.29370**	**.40545**	**304.45**	**17.079**	**.19203**
Stddev	.00010	.00042	.00115	.00101	1.56	.090	.00185
%RSD	.33860	.15027	.39248	.24989	.51260	.52534	.96583
#1	.02924	.27966	.29326	.40466	306.07	17.092	.19107
#2	.02932	.27972	.29500	.40510	302.96	16.983	.19417
#3	.02944	.28041	.29283	.40659	304.33	17.161	.19085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.017**	**14.602**	**.01058**	**3.0347**	**.17091**	F **9392.2**	**.76969**
Stddev	.004	.002	.00015	.0141	.00018	26.5	.00262
%RSD	.01688	.01246	1.4244	.46480	.10245	.28197	.34100
#1	26.019	14.602	.01074	3.0412	.17071	9370.4	.77258
#2	26.013	14.601	.01056	3.0185	.17103	9421.6	.76901
#3	26.021	14.604	.01044	3.0443	.17098	9384.6	.76747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082427S Acquired: 3/31/2011 14:46:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.646**	F **146.10**	F **772.42**	**.00598**	**.01206**	F **361.07**	**.01430**
Stddev	3.568	.43	1.63	.00132	.00084	.78	.00034
%RSD	5.7883	.29201	.21050	22.151	6.9386	.21731	2.3935
#1	-59.859	145.81	770.76	.00730	.01146	360.38	.01420
#2	-59.323	145.89	772.48	.00465	.01169	360.90	.01403
#3	-65.754	146.59	774.01	.00598	.01301	361.92	.01469
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34184**	**.38210**	**.01671**	**.57688**	**.88498**	F **175.79**
Stddev	.00150	.00171	.00190	.00251	.00053	.46
%RSD	.44018	.44667	11.340	.43557	.05996	.26411
#1	.34196	.38108	.01588	.57449	.88437	175.61
#2	.34028	.38115	.01537	.57664	.88519	176.31
#3	.34328	.38407	.01888	.57950	.88536	175.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66931.**	**67972.**
Stddev	59.	606.
%RSD	.08889	.89086
#1	66945.	67274.
#2	66982.	68283.
#3	66866.	68358.

Approved: April 01, 2011

Sample Name: L1103082428SD Acquired: 3/31/2011 14:50:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18990**	**246.11**	**.29162**	**.13687**	**2.1397**	**.01670**	**48.584**
Stddev	.00204	1.53	.00055	.00248	.0163	.00010	.169
%RSD	1.0717	.61975	.18914	1.8126	.76159	.58019	.34691
#1	.19169	245.07	.29121	.13442	2.1580	.01681	48.769
#2	.19031	247.86	.29225	.13938	2.1344	.01667	48.545
#3	.18769	245.40	.29142	.13679	2.1267	.01663	48.439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03047**	**.11426**	**.28598**	**.42332**	**290.46**	**20.264**	**.17749**
Stddev	.00018	.00061	.00190	.00343	3.71	.033	.00064
%RSD	.57542	.53108	.66326	.80990	1.2790	.16318	.36025
#1	.03067	.11496	.28808	.42722	287.66	20.301	.17688
#2	.03038	.11386	.28545	.42076	294.67	20.238	.17744
#3	.03036	.11396	.28440	.42199	289.04	20.253	.17816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.095**	**5.8814**	**.01257**	**2.6024**	**.16104**	F **19064.**	**.72926**
Stddev	.093	.0108	.00021	.0072	.00083	57.	.00371
%RSD	.35621	.18299	1.6887	.27674	.51518	.30030	.50881
#1	25.995	5.8696	.01256	2.6000	.16185	19129.	.73346
#2	26.111	5.8840	.01279	2.6105	.16019	19021.	.72643
#3	26.179	5.8907	.01237	2.5966	.16108	19043.	.72789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082428SD Acquired: 3/31/2011 14:50:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360103-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.655**	F **292.18**	F **1675.5**	**.00565**	**.00957**	F **340.43**	**.01541**
Stddev	5.611	1.73	2.7	.00169	.00502	1.01	.00032
%RSD	8.4186	.59079	.16185	29.941	52.425	.29620	2.0753
#1	-72.461	294.17	1678.1	.00592	.01427	341.56	.01508
#2	-66.242	291.21	1675.6	.00719	.00429	339.62	.01542
#3	-61.261	291.15	1672.7	.00384	.01015	340.12	.01572
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36461**	**.35443**	**.01224**	**.56584**	**1.3541**	F **156.07**
Stddev	.00103	.00113	.00110	.00376	.0045	1.15
%RSD	.28326	.31929	8.9905	.66513	.33222	.73672
#1	.36554	.35571	.01224	.56996	1.3591	157.28
#2	.36481	.35355	.01114	.56495	1.3505	155.93
#3	.36350	.35404	.01334	.56259	1.3526	155.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66181.**	**68525.**
Stddev	302.	607.
%RSD	.45632	.88537
#1	65833.	69158.
#2	66334.	68470.
#3	66375.	67948.

Approved: April 01, 2011

Sample Name: L1103082429 Acquired: 3/31/2011 14:54:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00518**	**322.49**	**.14445**	**.16780**	**2.9738**	**.02036**	**50.377**
Stddev	.00011	1.30	.00053	.00214	.0075	.00002	.092
%RSD	2.0446	.40282	.36843	1.2729	.25165	.07509	.18345
#1	.00526	321.06	.14441	.17023	2.9817	.02034	50.481
#2	.00521	322.80	.14394	.16693	2.9729	.02036	50.303
#3	.00506	323.61	.14500	.16624	2.9668	.02037	50.347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.13762**	**.38815**	**.23512**	**360.13**	**24.966**	**.24603**
Stddev	.00005	.00052	.00062	.00190	.63	.032	.00032
%RSD	.56076	.38051	.16012	.80603	.17504	.12950	.13052
#1	.00927	.13725	.38777	.23302	360.85	25.000	.24572
#2	.00929	.13739	.38780	.23564	359.85	24.935	.24602
#3	.00919	.13822	.38886	.23671	359.69	24.963	.24636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.304**	**7.0076**	**.01488**	**3.5805**	**.19853**	F **19899.**	**.52699**
Stddev	.041	.0148	.00029	.0042	.00054	48.	.00308
%RSD	.12600	.21173	1.9562	.11636	.27411	.24092	.58538
#1	32.349	7.0247	.01515	3.5852	.19796	19844.	.52451
#2	32.270	7.0008	.01457	3.5791	.19860	19929.	.52602
#3	32.294	6.9975	.01493	3.5772	.19904	19924.	.53045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082429 Acquired: 3/31/2011 14:54:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-73.269**	F **266.70**	F **1508.3**	**.00744**	**.01119**	F **289.46**	**.01837**
Stddev	4.140	1.40	2.3	.00253	.00172	.98	.00030
%RSD	5.6502	.52410	.15157	33.987	15.408	.33886	1.6084
#1	-71.505	265.19	1505.8	.00837	.01269	288.55	.01804
#2	-77.999	266.95	1509.1	.00936	.00931	289.33	.01849
#3	-70.304	267.95	1510.2	.00457	.01156	290.50	.01860
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41288**	**.39407**	**.01783**	**.70879**	**1.4125**	F **210.04**
Stddev	.00052	.00109	.00066	.00155	.0027	.24
%RSD	.12571	.27717	3.7140	.21851	.18912	.11289
#1	.41348	.39533	.01771	.71033	1.4099	210.18
#2	.41252	.39354	.01854	.70724	1.4124	210.17
#3	.41265	.39334	.01723	.70879	1.4152	209.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66293.**	**67891.**
Stddev	87.	385.
%RSD	.13063	.56742
#1	66386.	67453.
#2	66277.	68046.
#3	66216.	68176.

Approved: April 01, 2011

Sample Name: L1103082430 Acquired: 3/31/2011 14:57:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00588**	**270.49**	**.12421**	**.17814**	**3.4775**	**.02131**	**71.775**
Stddev	.00061	2.43	.00088	.00638	.0052	.00021	.230
%RSD	10.435	.89973	.71114	3.5839	.14987	.97186	.32026
#1	.00535	268.01	.12323	.17149	3.4831	.02136	71.902
#2	.00655	270.57	.12448	.17869	3.4727	.02108	71.510
#3	.00575	272.88	.12493	.18423	3.4766	.02149	71.914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00469**	**.45010**	**.33770**	**.24364**	**422.76**	**14.471**	**.15151**
Stddev	.00013	.00157	.00352	.00318	11.98	.082	.00087
%RSD	2.7619	.34849	1.0418	1.3062	2.8332	.56994	.57207
#1	.00465	.45085	.33877	.24593	411.08	14.484	.15136
#2	.00459	.45115	.33377	.24497	422.18	14.384	.15072
#3	.00484	.44829	.34056	.24000	435.01	14.547	.15244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.795**	**21.023**	**.01268**	**3.8318**	**.21388**	F **41844.**	**.50299**
Stddev	.214	.284	.00055	.0092	.00081	54.	.00067
%RSD	.79915	1.3489	4.3560	.24063	.37826	.12909	.13379
#1	26.703	20.849	.01332	3.8394	.21390	41866.	.50358
#2	26.642	20.870	.01240	3.8215	.21468	41883.	.50226
#3	27.039	21.351	.01232	3.8345	.21306	41782.	.50314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082430 Acquired: 3/31/2011 14:57:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.166**	F **232.22**	F **1149.7**	**.00819**	**.01102**	F **281.11**	**.02343**
Stddev	8.163	1.10	2.7	.00072	.00242	1.01	.00048
%RSD	13.567	.47309	.23790	8.8216	21.998	.35805	2.0525
#1	-68.486	232.52	1148.7	.00898	.00919	281.20	.02357
#2	-59.841	233.13	1152.8	.00803	.01377	282.07	.02383
#3	-52.171	231.00	1147.6	.00756	.01010	280.06	.02290
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56073**	**.16656**	**.01911**	**.65324**	**.60737**	F **173.48**
Stddev	.00119	.00056	.00094	.00560	.00098	2.27
%RSD	.21193	.33634	4.9370	.85740	.16197	1.3067
#1	.56193	.16595	.01982	.65399	.60791	174.01
#2	.55956	.16668	.01946	.64730	.60623	170.99
#3	.56071	.16705	.01804	.65842	.60796	175.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65452.**	**68560.**
Stddev	50.	1050.
%RSD	.07563	1.5319
#1	65398.	68798.
#2	65464.	69470.
#3	65495.	67411.

Approved: April 01, 2011

Sample Name: L1103082431 Acquired: 3/31/2011 15:01:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**278.78**	**.11885**	**.13728**	**2.6467**	**.01882**	**46.666**
Stddev	.00038	2.31	.00021	.00112	.0056	.00008	.056
%RSD	10.707	.82964	.17371	.81531	.21095	.42437	.11972
#1	.00398	277.43	.11869	.13608	2.6469	.01878	46.699
#2	.00328	277.46	.11908	.13830	2.6410	.01877	46.602
#3	.00337	281.46	.11877	.13745	2.6522	.01891	46.698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**.15742**	**.28157**	**.19466**	**316.92**	**20.565**	**.19794**
Stddev	.00006	.00018	.00161	.00062	2.76	.044	.00145
%RSD	.92962	.11635	.57319	.31986	.87117	.21169	.73332
#1	.00665	.15731	.28106	.19530	313.85	20.608	.19670
#2	.00672	.15732	.28027	.19406	317.71	20.521	.19759
#3	.00678	.15763	.28337	.19463	319.20	20.566	.19954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.818**	**7.7348**	**.01402**	**2.1036**	**.18427**	F **13212.**	**.42521**
Stddev	.025	.0017	.00019	.0007	.00028	14.	.00235
%RSD	.08734	.02224	1.3304	.03362	.15246	.10378	.55196
#1	28.813	7.7333	.01420	2.1032	.18402	13221.	.42358
#2	28.796	7.7345	.01403	2.1033	.18423	13220.	.42790
#3	28.846	7.7367	.01383	2.1044	.18457	13197.	.42415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082431 Acquired: 3/31/2011 15:01:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.231**	F **164.34**	F **841.41**	**.00690**	**.00851**	F **342.84**	**.01625**
Stddev	3.264	.24	.98	.00095	.00052	.32	.00038
%RSD	5.0039	.14877	.11597	13.837	6.1267	.09287	2.3350
#1	-61.467	164.52	841.15	.00788	.00792	342.49	.01596
#2	-67.279	164.06	842.49	.00683	.00871	342.91	.01668
#3	-66.947	164.43	840.59	.00598	.00891	343.11	.01610
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36893**	**.29380**	**.01274**	**.57528**	**1.0040**	F **204.39**
Stddev	.00032	.00072	.00150	.00079	.0007	.13
%RSD	.08757	.24343	11.805	.13697	.07133	.06589
#1	.36930	.29358	.01277	.57540	1.0034	204.29
#2	.36876	.29322	.01122	.57444	1.0048	204.33
#3	.36872	.29459	.01422	.57600	1.0039	204.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66792.**	**68833.**
Stddev	60.	255.
%RSD	.09056	.36983
#1	66766.	68539.
#2	66861.	68978.
#3	66749.	68982.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 15:04:50 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42982**	**10.389**	**.40903**	**.51740**	**.95454**	**.05131**	**9.3975**
Stddev	.00084	.032	.00141	.00110	.00121	.00045	.0209
%RSD	.19512	.31184	.34422	.21252	.12634	.86843	.22274
#1	.42956	10.398	.41051	.51856	.95589	.05133	9.3835
#2	.42915	10.416	.40770	.51637	.95358	.05174	9.3874
#3	.43076	10.353	.40889	.51729	.95415	.05085	9.4216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**.20806**	**.50405**	**.51315**	**3.8336**	**47.053**	**.97406**
Stddev	.00024	.00100	.00467	.00267	.0048	.086	.00158
%RSD	.45548	.48052	.92551	.52088	.12446	.18239	.16191
#1	.05226	.20915	.50538	.51534	3.8307	47.117	.97280
#2	.05204	.20785	.50790	.51395	3.8310	46.955	.97583
#3	.05179	.20719	.49886	.51017	3.8391	47.086	.97355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6528**	**.48883**	**1.0972**	**49.088**	**.50308**	**10.131**	**.51071**
Stddev	.0277	.00084	.0022	.134	.00118	5.012	.00326
%RSD	.28694	.17238	.20213	.27320	.23433	49.468	.63776
#1	9.6308	.48821	1.0946	49.025	.50426	5.4675	.51447
#2	9.6437	.48979	1.0982	48.997	.50308	15.431	.50888
#3	9.6839	.48848	1.0987	49.242	.50190	9.4962	.50879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 15:04:50 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.8426**	F **8.9813**	F **-.01300**	**1.2974**	**.41621**	F **708.98**	**1.0778**
Stddev	10.743	.0726	.10285	.0019	.00445	1.19	.0020
%RSD	136.98	.80851	791.06	.14424	1.0689	.16758	.18141
#1	-2.1434	9.0562	.10567	1.2994	.42134	709.62	1.0796
#2	-20.234	8.9112	-.07647	1.2956	.41343	709.71	1.0780
#3	-1.1500	8.9766	-.06821	1.2972	.41386	707.61	1.0757
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95352**	**1.0315**	**.51961**	**1.0587**	**1.0193**	**1.0418**
Stddev	.00213	.0010	.00212	.0013	.0024	.1710
%RSD	.22331	.09349	.40880	.11919	.23227	16.414
#1	.95248	1.0305	.52124	1.0601	1.0215	1.1051
#2	.95210	1.0324	.51721	1.0580	1.0197	1.1722
#3	.95596	1.0315	.52039	1.0579	1.0168	.84821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66608.**	**64343.**
Stddev	150.	338.
%RSD	.22470	.52515
#1	66499.	64544.
#2	66547.	64531.
#3	66779.	63953.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 15:08:06 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.01268**	**-.00019**	**.00164**	**.00009**	**.00000**	**-.00566**
Stddev	.00051	.00059	.00058	.00080	.00021	.00001	.00510
%RSD	2273.1	4.6628	314.04	48.995	227.34	206.65	90.166
#1	.00016	.01329	.00012	.00244	-.00004	.00001	-.00219
#2	-.00060	.01211	.00018	.00083	.00034	-.00001	-.01152
#3	.00037	.01263	-.00086	.00165	-.00002	.00001	-.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00003**	**-.00001**	**-.00009**	**.00168**	**.08428**	**-.00011**
Stddev	.00010	.00011	.00015	.00009	.00215	.01415	.00066
%RSD	259.73	400.24	2540.2	98.878	127.65	16.786	596.29
#1	-.00008	-.00006	.00014	-.00006	-.00018	.09959	-.00037
#2	.00008	.00010	.00001	-.00020	.00403	.08158	-.00060
#3	-.00011	-.00012	-.00017	-.00002	.00120	.07168	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00114**	**-.00023**	**-.00010**	**.01813**	**.00008**	F **-.32474**	**.00121**
Stddev	.00450	.00020	.00010	.00663	.00024	.58482	.00092
%RSD	394.48	89.332	102.43	36.553	315.79	180.09	75.945
#1	.00077	-.00041	-.00015	.01594	-.00019	.05446	.00101
#2	-.00628	-.00025	.00002	.02558	.00029	-.03042	.00222
#3	.00209	-.00001	-.00016	.01288	.00013	-.99825	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 15:08:06 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.7451**	F **.06742**	F **.36614**	**-.00186**	**.00065**	**.04030**	**-.00006**
Stddev	1.4015	.02363	.11843	.00051	.00091	.04345	.00001
%RSD	14.382	35.044	32.347	27.398	139.12	107.81	11.543
#1	-9.5561	.04016	.37689	-.00214	.00170	.08254	-.00005
#2	-11.232	.08002	.24269	-.00127	.00005	.04262	-.00006
#3	-8.4477	.08206	.47883	-.00216	.00021	-.00426	-.00005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00062**	**.00105**	**.00004**	**-.00039**	**.02726**
Stddev	.00014	.00079	.00025	.00014	.00009	.00717
%RSD	1974.9	126.21	24.062	333.10	23.201	26.297
#1	.00015	.00138	.00110	.00007	-.00035	.01967
#2	-.00001	.00068	.00127	.00016	-.00050	.02819
#3	-.00012	-.00019	.00077	-.00011	-.00033	.03392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67740.**	**63270.**
Stddev	95.	400.
%RSD	.14094	.63234
#1	67846.	63156.
#2	67660.	62939.
#3	67714.	63714.

Approved: April 01, 2011

Sample Name: L1103069439 Acquired: 3/31/2011 15:11:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00509**	**59.291**	**.09669**	**.08927**	**1.7763**	**.00872**	F **1730.6**
Stddev	.00036	.544	.00083	.00107	.0020	.00004	17.2
%RSD	7.1658	.91768	.86194	1.1991	.11288	.47156	.99502
#1	.00550	59.913	.09743	.09044	1.7782	.00873	1747.0
#2	.00496	58.905	.09686	.08834	1.7764	.00867	1712.6
#3	.00481	59.055	.09579	.08905	1.7742	.00875	1732.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00938**	**.15614**	**.16771**	**3.6144**	**222.49**	**6.3735**	**.22651**
Stddev	.00014	.00016	.00066	.0052	.98	.1001	.00195
%RSD	1.4834	.10478	.39459	.14395	.44184	1.5713	.86094
#1	.00922	.15603	.16760	3.6164	223.05	6.4522	.22430
#2	.00942	.15608	.16711	3.6085	221.35	6.4075	.22721
#3	.00949	.15633	.16842	3.6183	223.06	6.2608	.22801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.885**	**18.856**	**.01059**	**2.0812**	**.14786**	F **11970.**	**.58817**
Stddev	.093	.031	.00007	.0113	.00063	5.	.00094
%RSD	.15568	.16186	.63918	.54469	.42936	.04455	.15916
#1	59.843	18.885	.01052	2.0731	.14810	11964.	.58906
#2	59.821	18.824	.01065	2.0764	.14714	11972.	.58827
#3	59.992	18.859	.01061	2.0942	.14834	11974.	.58719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103069439 Acquired: 3/31/2011 15:11:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.088**	F **2334.9**	F **817.96**	**.01142**	**.01089**	F **316.92**	**.02205**
Stddev	3.609	.8	.23	.00164	.00182	1.73	.00007
%RSD	6.7990	.03396	.02751	14.339	16.702	.54555	.31917
#1	-52.999	2335.4	818.15	.00956	.01257	316.23	.02211
#2	-56.741	2334.0	818.02	.01203	.01114	315.65	.02197
#3	-49.524	2335.3	817.71	.01266	.00896	318.89	.02205
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.014**	**.17972**	**.01266**	**.31906**	**1.7289**	F **61.068**
Stddev	.164	.00109	.00046	.00133	.0010	.403
%RSD	1.4859	.60430	3.6281	.41700	.05722	.65975
#1	10.972	.17854	.01311	.32019	1.7299	61.231
#2	10.876	.17995	.01266	.31760	1.7289	60.609
#3	11.195	.18067	.01219	.31939	1.7280	61.364
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**57073.**	**62513.**
Stddev	124.	315.
%RSD	.21726	.50328
#1	56948.	62160.
#2	57196.	62764.
#3	57076.	62616.

Approved: April 01, 2011

Sample Name: L1103083402 Acquired: 3/31/2011 15:15:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**97.950**	**.09396**	**.13006**	**1.5538**	**.00967**	**61.401**
Stddev	.00009	1.136	.00089	.00190	.0083	.00008	.307
%RSD	1.2089	1.1599	.95076	1.4594	.53150	.86244	.49918
#1	.00705	97.792	.09474	.12799	1.5450	.00960	61.158
#2	.00711	96.900	.09415	.13173	1.5551	.00976	61.301
#3	.00722	99.156	.09298	.13045	1.5614	.00965	61.746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.19670**	**.16167**	**.16238**	**308.26**	**6.1223**	**.06750**
Stddev	.00002	.00025	.00059	.00098	1.67	.0731	.00095
%RSD	.19783	.12745	.36388	.60051	.54186	1.1940	1.4024
#1	.00843	.19662	.16122	.16306	307.31	6.0393	.06838
#2	.00840	.19697	.16234	.16282	310.18	6.1506	.06650
#3	.00842	.19649	.16144	.16127	307.27	6.1770	.06762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.643**	**15.868**	**.00773**	**.80454**	**.16450**	F **22194.**	**.39935**
Stddev	.157	.061	.00017	.00036	.00083	48.	.00042
%RSD	.89000	.38271	2.2571	.04497	.50606	.21796	.10534
#1	17.473	15.811	.00793	.80440	.16540	22217.	.39928
#2	17.672	15.862	.00762	.80427	.16434	22227.	.39981
#3	17.783	15.932	.00763	.80495	.16375	22138.	.39898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083402 Acquired: 3/31/2011 15:15:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.028**	F **183.92**	F **872.87**	**.00494**	**.01225**	F **354.38**	**.00785**
Stddev	13.625	.84	1.30	.00126	.00084	1.09	.00019
%RSD	34.038	.45880	.14893	25.578	6.8495	.30817	2.3575
#1	-54.741	184.00	873.80	.00594	.01321	354.36	.00801
#2	-27.847	184.71	873.43	.00536	.01172	355.49	.00788
#3	-37.497	183.03	871.38	.00352	.01180	353.30	.00765
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39964**	**.31556**	**.01384**	**.31566**	**.87421**	F **52.669**
Stddev	.00090	.00039	.00083	.00170	.00086	.208
%RSD	.22554	.12311	6.0267	.53841	.09893	.39411
#1	.39987	.31513	.01457	.31387	.87321	52.575
#2	.39864	.31589	.01293	.31726	.87466	52.907
#3	.40040	.31566	.01403	.31584	.87476	52.524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64933.**	**65906.**
Stddev	81.	507.
%RSD	.12546	.76970
#1	64898.	66301.
#2	64875.	66082.
#3	65026.	65334.

Approved: April 01, 2011

Sample Name: L1103083402PS Acquired: 3/31/2011 15:19:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360356-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21496**	**92.314**	**.27917**	**1.0300**	**1.8721**	**.03385**	**59.935**
Stddev	.00101	.459	.00135	.0043	.0017	.00007	.018
%RSD	.47042	.49768	.48281	.41400	.09278	.19718	.03076
#1	.21514	92.742	.27986	1.0331	1.8734	.03390	59.946
#2	.21388	91.829	.27761	1.0251	1.8701	.03378	59.945
#3	.21588	92.370	.28003	1.0317	1.8728	.03388	59.913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03227**	**.27547**	**.38972**	**.38530**	**275.73**	**28.487**	**.53740**
Stddev	.00013	.00093	.00047	.00222	1.85	.018	.00033
%RSD	.41427	.33631	.12154	.57700	.67194	.06413	.06230
#1	.03236	.27564	.38983	.38643	277.84	28.476	.53702
#2	.03212	.27447	.38920	.38274	274.39	28.477	.53765
#3	.03232	.27631	.39012	.38674	274.95	28.508	.53752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.434**	**14.500**	**.54616**	**25.060**	**.38678**	F **20093.**	**.58972**
Stddev	.017	.005	.00109	.035	.00094	47.	.00015
%RSD	.08369	.03688	.19881	.13910	.24332	.23449	.02607
#1	20.453	14.505	.54729	25.078	.38787	20138.	.58959
#2	20.427	14.495	.54607	25.082	.38625	20044.	.58989
#3	20.421	14.500	.54513	25.020	.38623	20095.	.58968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083402PS Acquired: 3/31/2011 15:19:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360356-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.224**	F **169.14**	F **792.13**	**.61218**	**.20418**	F **658.89**	**.00800**
Stddev	9.750	1.02	1.18	.00110	.00240	1.22	.00018
%RSD	22.556	.60555	.14850	.17920	1.1775	.18445	2.2861
#1	-32.127	169.54	793.16	.61280	.20580	659.68	.00807
#2	-50.417	167.98	790.85	.61092	.20142	657.49	.00814
#3	-47.128	169.90	792.40	.61283	.20533	659.49	.00779
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.83465**	**.78837**	**.24885**	**.80413**	**1.2645**	F **47.659**
Stddev	.00140	.00103	.00116	.00198	.0016	.053
%RSD	.16816	.13094	.46430	.24592	.12816	.11185
#1	.83583	.78864	.25011	.80573	1.2661	47.604
#2	.83502	.78923	.24784	.80192	1.2629	47.710
#3	.83310	.78722	.24861	.80474	1.2644	47.664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65024.**	**65804.**
Stddev	118.	330.
%RSD	.18192	.50150
#1	64993.	65484.
#2	65155.	66143.
#3	64924.	65783.

Approved: April 01, 2011

Sample Name: L1103083402SDL Acquired: 3/31/2011 15:22:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360356-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**23.565**	**.02069**	**.02910**	**.31467**	**.00191**	**12.618**
Stddev	.00044	.236	.00035	.00030	.00143	.00001	.041
%RSD	23.548	1.0018	1.7050	1.0140	.45445	.71383	.32827
#1	.00161	23.547	.02083	.02936	.31366	.00189	12.584
#2	.00235	23.339	.02029	.02915	.31631	.00191	12.664
#3	.00159	23.810	.02095	.02878	.31405	.00191	12.607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.04157**	**.03289**	**.03438**	**64.943**	**1.3134**	**.01389**
Stddev	.00002	.00033	.00051	.00085	.218	.0487	.00171
%RSD	1.1924	.78564	1.5572	2.4714	.33504	3.7098	12.307
#1	.00174	.04134	.03316	.03355	64.794	1.3691	.01582
#2	.00170	.04142	.03230	.03433	65.192	1.2928	.01257
#3	.00171	.04194	.03321	.03525	64.842	1.2784	.01327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7856**	**3.2621**	**.00125**	**.15726**	**.03481**	F **4834.2**	**.08854**
Stddev	.0087	.0064	.00006	.00802	.00021	33.3	.00057
%RSD	.23022	.19598	5.0355	5.0980	.60560	.68900	.64206
#1	3.7803	3.2577	.00126	.15907	.03464	4808.8	.08865
#2	3.7956	3.2694	.00119	.14849	.03475	4821.9	.08793
#3	3.7808	3.2592	.00131	.16421	.03505	4871.9	.08905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083402SDL Acquired: 3/31/2011 15:22:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360356-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-24.933**	F **40.872**	F **189.89**	**-.00025**	**.00174**	**76.114**	**.00126**
Stddev	2.773	.358	1.24	.00051	.00210	.286	.00020
%RSD	11.122	.87691	.65344	207.29	120.79	.37571	15.707
#1	-28.072	40.657	189.33	.00025	.00113	76.019	.00121
#2	-22.814	40.673	189.02	-.00077	.00408	75.888	.00147
#3	-23.914	41.285	191.31	-.00022	.00001	76.436	.00109
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08074**	**.06455**	**.00433**	**.06334**	**.18257**	**10.092**
Stddev	.00010	.00034	.00006	.00100	.00101	.121
%RSD	.12660	.53219	1.2979	1.5819	.55358	1.2023
#1	.08065	.06474	.00439	.06344	.18159	9.9919
#2	.08085	.06475	.00430	.06229	.18252	10.057
#3	.08070	.06415	.00429	.06429	.18360	10.227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69062.**	**67054.**
Stddev	503.	600.
%RSD	.72888	.89493
#1	69502.	67655.
#2	69170.	67051.
#3	68513.	66455.

Approved: April 01, 2011

Sample Name: L1103083402SDL Acquired: 3/31/2011 15:25:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360356-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**4.7755**	**.00510**	**.00474**	**.06136**	**.00036**	**2.4693**
Stddev	.00055	.0372	.00043	.00027	.00012	.00002	.0135
%RSD	300.74	.77805	8.3391	5.6292	.19222	4.6538	.54537
#1	-.00033	4.7597	.00498	.00483	.06149	.00036	2.4708
#2	.00011	4.7488	.00475	.00494	.06125	.00038	2.4552
#3	.00077	4.8179	.00558	.00444	.06134	.00034	2.4820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00864**	**.00648**	**.00715**	**12.691**	**.25948**	**.00199**
Stddev	.00005	.00011	.00026	.00018	.025	.01773	.00079
%RSD	24.591	1.3298	3.9532	2.4525	.19375	6.8312	39.945
#1	.00014	.00859	.00670	.00701	12.680	.27940	.00254
#2	.00024	.00877	.00620	.00735	12.673	.25357	.00108
#3	.00021	.00856	.00654	.00710	12.719	.24546	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74900**	**.65067**	**-.00006**	**.02608**	**.00655**	F **1005.6**	**.01959**
Stddev	.01303	.00085	.00011	.00289	.00037	6.7	.00089
%RSD	1.7403	.13112	204.13	11.066	5.6065	.66601	4.5667
#1	.76074	.65109	-.00011	.02667	.00690	1001.9	.01856
#2	.73497	.65123	.00007	.02294	.00617	1001.6	.02006
#3	.75128	.64968	-.00013	.02862	.00658	1013.3	.02016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083402SDL Acquired: 3/31/2011 15:25:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360356-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.219**	**8.5211**	F **39.227**	**-.00300**	**-.00052**	**15.038**	**-.00023**
Stddev	7.579	.0920	.345	.00042	.00103	.027	.00007
%RSD	49.802	1.0800	.88009	14.160	198.46	.17881	27.841
#1	-6.6968	8.4237	38.837	-.00269	-.00041	15.025	-.00028
#2	-17.755	8.5332	39.494	-.00282	.00045	15.020	-.00027
#3	-21.205	8.6065	39.349	-.00348	-.00160	15.069	-.00016
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01598**	**.01334**	**.00235**	**.01232**	**.03854**	**1.8848**
Stddev	.00009	.00069	.00030	.00018	.00026	.1562
%RSD	.55928	5.1987	12.787	1.4875	.66499	8.2864
#1	.01608	.01277	.00200	.01231	.03825	1.7083
#2	.01595	.01411	.00250	.01215	.03869	2.0051
#3	.01590	.01315	.00254	.01251	.03869	1.9410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69449.**	**65306.**
Stddev	216.	278.
%RSD	.31079	.42630
#1	69676.	65032.
#2	69426.	65589.
#3	69247.	65296.

Approved: April 01, 2011

Sample Name: L1103083403 Acquired: 3/31/2011 15:29:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**105.88**	**.09294**	**.12462**	**1.3490**	**.00916**	**66.686**
Stddev	.00072	1.01	.00185	.00076	.0023	.00002	.218
%RSD	12.846	.95508	1.9933	.61007	.16886	.16467	.32655
#1	.00493	104.75	.09124	.12381	1.3490	.00915	66.486
#2	.00638	106.70	.09267	.12472	1.3468	.00917	66.653
#3	.00559	106.19	.09492	.12532	1.3513	.00918	66.918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00755**	**.11050**	**.16510**	**.14576**	**296.37**	**5.7606**	**.07009**
Stddev	.00003	.00039	.00031	.00075	2.26	.0046	.00135
%RSD	.36314	.35360	.18753	.51561	.76261	.07943	1.9311
#1	.00756	.11032	.16545	.14514	294.40	5.7587	.07103
#2	.00752	.11023	.16492	.14555	295.86	5.7572	.07069
#3	.00757	.11095	.16492	.14659	298.84	5.7658	.06854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.554**	**10.070**	**.00749**	**.60673**	**.16094**	F **14344.**	**.30512**
Stddev	.129	.031	.00007	.00461	.00029	20.	.00145
%RSD	.69739	.30443	.91620	.75998	.17908	.14234	.47493
#1	18.415	10.037	.00756	.61149	.16077	14342.	.30399
#2	18.574	10.078	.00749	.60642	.16077	14324.	.30461
#3	18.672	10.096	.00742	.60228	.16127	14365.	.30675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083403 Acquired: 3/31/2011 15:29:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.630**	F **145.68**	F **590.15**	**.00586**	**.00997**	F **328.83**	**.00834**
Stddev	3.496	.54	.32	.00069	.00179	.16	.00036
%RSD	7.4982	.37282	.05422	11.780	17.919	.04886	4.3667
#1	-50.494	145.23	589.80	.00634	.00795	329.02	.00801
#2	-43.684	145.52	590.21	.00507	.01133	328.76	.00873
#3	-45.713	146.28	590.43	.00617	.01064	328.72	.00827
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38324**	**.30781**	**.01024**	**.28666**	**.79954**	F **61.493**
Stddev	.00044	.00005	.00079	.00065	.00199	.264
%RSD	.11383	.01756	7.7127	.22617	.24868	.42988
#1	.38274	.30775	.01101	.28632	.79810	61.361
#2	.38342	.30784	.01029	.28626	.79870	61.798
#3	.38355	.30784	.00943	.28741	.80181	61.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64570.**	**66095.**
Stddev	21.	475.
%RSD	.03300	.71888
#1	64549.	66627.
#2	64570.	65944.
#3	64591.	65713.

Approved: April 01, 2011

Sample Name: L1103083404 Acquired: 3/31/2011 15:32:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**114.27**	**.08387**	**.17622**	**2.8101**	**.00814**	**141.35**
Stddev	.00025	.78	.00201	.00138	.0130	.00004	.54
%RSD	3.0403	.68057	2.3998	.78195	.46393	.50346	.38511
#1	.00809	114.72	.08352	.17555	2.8221	.00815	141.70
#2	.00859	114.72	.08206	.17780	2.8119	.00818	141.63
#3	.00840	113.37	.08604	.17529	2.7962	.00810	140.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00742**	**.11540**	**.16118**	**.20608**	**240.21**	**7.2570**	**.07192**
Stddev	.00012	.00078	.00162	.00187	3.24	.0364	.00060
%RSD	1.5593	.67615	1.0038	.90632	1.3479	.50130	.83902
#1	.00729	.11488	.16256	.20532	236.75	7.2817	.07123
#2	.00743	.11630	.16157	.20820	243.16	7.2739	.07220
#3	.00752	.11503	.15940	.20471	240.72	7.2152	.07233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.087**	**9.7762**	**.00931**	**2.5550**	**.14758**	F **26870.**	**.27582**
Stddev	.046	.0047	.00010	.0050	.00063	30.	.00162
%RSD	.21741	.04863	1.1255	.19495	.42613	.11114	.58795
#1	21.096	9.7794	.00932	2.5511	.14737	26900.	.27430
#2	21.128	9.7784	.00940	2.5606	.14829	26870.	.27753
#3	21.038	9.7707	.00919	2.5533	.14708	26840.	.27563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083404 Acquired: 3/31/2011 15:32:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-38.193**	F **300.14**	F **1181.4**	**.00499**	**.01313**	F **609.57**	**.00963**
Stddev	3.212	1.32	2.3	.00009	.00075	1.75	.00018
%RSD	8.4092	.44010	.19885	1.8432	5.6768	.28746	1.9023
#1	-41.755	300.39	1183.2	.00493	.01384	610.46	.00964
#2	-35.517	301.33	1182.3	.00510	.01235	610.70	.00981
#3	-37.306	298.72	1178.8	.00494	.01318	607.55	.00945
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7137**	**.71075**	**.01238**	**.32644**	**.76674**	F **77.017**
Stddev	.0043	.00058	.00087	.00045	.00127	.503
%RSD	.25121	.08190	7.0411	.13808	.16571	.65336
#1	1.7149	.71135	.01304	.32630	.76728	77.505
#2	1.7172	.71019	.01140	.32695	.76766	77.046
#3	1.7089	.71070	.01272	.32608	.76529	76.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64005.**	**65287.**
Stddev	232.	387.
%RSD	.36223	.59315
#1	63936.	64842.
#2	63814.	65472.
#3	64263.	65547.

Approved: April 01, 2011

Sample Name: L1103083405 Acquired: 3/31/2011 15:36:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00678**	**94.881**	**.08734**	**.12120**	**1.4350**	**.00915**	**34.920**
Stddev	.00050	.577	.00136	.00099	.0060	.00007	.241
%RSD	7.4266	.60760	1.5551	.81742	.41532	.73110	.69001
#1	.00660	94.234	.08669	.12188	1.4400	.00909	35.000
#2	.00734	95.072	.08643	.12006	1.4366	.00915	35.111
#3	.00638	95.338	.08890	.12166	1.4284	.00923	34.649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00647**	**.16319**	**.16364**	**.14281**	**275.09**	**4.3388**	**.05284**
Stddev	.00010	.00075	.00131	.00231	1.45	.0407	.00172
%RSD	1.4782	.45727	.79976	1.6198	.52785	.93835	3.2608
#1	.00647	.16238	.16214	.14014	276.14	4.3352	.05475
#2	.00638	.16384	.16455	.14426	273.43	4.3812	.05140
#3	.00657	.16336	.16424	.14403	275.71	4.3001	.05237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.741**	**12.761**	**.00913**	**1.5868**	**.13861**	F **8031.4**	**.28615**
Stddev	.038	.044	.00029	.0112	.00025	38.1	.00218
%RSD	.23907	.34417	3.1680	.70683	.18313	.47393	.76183
#1	15.762	12.753	.00933	1.5818	.13887	7987.7	.28371
#2	15.764	12.808	.00880	1.5997	.13836	8049.4	.28790
#3	15.698	12.721	.00925	1.5790	.13859	8057.2	.28685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083405 Acquired: 3/31/2011 15:36:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.734**	F **102.49**	F **481.93**	**.00632**	**.01159**	F **281.08**	**.00690**
Stddev	4.434	.41	2.08	.00205	.00322	.48	.00026
%RSD	10.375	.40132	.43209	32.448	27.813	.17024	3.7191
#1	-43.370	102.03	480.06	.00841	.01466	280.85	.00716
#2	-46.815	102.84	481.55	.00624	.01187	281.62	.00691
#3	-38.017	102.59	484.17	.00431	.00823	280.75	.00664
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30919**	**.34928**	**.01348**	**.31505**	**.48990**	F **56.242**
Stddev	.00200	.00082	.00089	.00134	.00093	.227
%RSD	.64587	.23524	6.6058	.42571	.18959	.40347
#1	.30908	.34931	.01306	.31360	.48888	55.982
#2	.31124	.35009	.01288	.31532	.49069	56.403
#3	.30725	.34845	.01450	.31624	.49012	56.340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65345.**	**65207.**
Stddev	219.	543.
%RSD	.33478	.83199
#1	65597.	64736.
#2	65211.	65084.
#3	65227.	65800.

Approved: April 01, 2011

Sample Name: L1103083406 Acquired: 3/31/2011 15:40:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02606**	**207.16**	**.09680**	**.51996**	**9.8478**	**.01009**	**399.43**
Stddev	.00012	1.14	.00106	.00118	.0798	.00003	11.54
%RSD	.44773	.55013	1.0945	.22707	.81039	.29280	2.8881
#1	.02593	208.47	.09607	.51962	9.8612	.01008	412.75
#2	.02615	206.48	.09802	.51899	9.7622	.01013	392.68
#3	.02610	206.52	.09632	.52127	9.9201	.01007	392.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01244**	**.11091**	**.18277**	**.38666**	**245.36**	**10.422**	**.14269**
Stddev	.00006	.00072	.00057	.00274	.90	.043	.00168
%RSD	.45451	.64777	.31360	.70741	.36868	.41514	1.1772
#1	.01249	.11119	.18214	.38665	245.74	10.456	.14419
#2	.01238	.11145	.18327	.38940	244.32	10.438	.14300
#3	.01246	.11010	.18290	.38393	246.00	10.373	.14087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.492**	**6.4169**	**.02459**	**13.572**	**.20373**	F **34350.**	**.32099**
Stddev	.186	.0214	.00056	.051	.00169	225.	.00328
%RSD	.39987	.33299	2.2940	.37331	.82760	.65370	1.0212
#1	46.581	6.4246	.02510	13.585	.20450	34436.	.32062
#2	46.617	6.4334	.02469	13.615	.20490	34518.	.32443
#3	46.278	6.3928	.02398	13.517	.20180	34095.	.31791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083406 Acquired: 3/31/2011 15:40:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.717**	F **570.91**	F **1444.2**	**.00460**	**.01073**	F **2156.3**	**.01413**
Stddev	6.464	3.26	5.2	.00059	.00139	33.6	.00060
%RSD	11.813	.57086	.35770	12.915	12.948	1.5581	4.2518
#1	-50.093	570.46	1446.0	.00404	.01203	2177.6	.01429
#2	-51.956	574.38	1448.2	.00522	.01088	2173.8	.01464
#3	-62.103	567.90	1438.4	.00453	.00927	2117.6	.01347
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.6622**	**3.4005**	**.02129**	**.66482**	**.94358**	F **221.69**
Stddev	.0984	.0118	.00104	.00262	.00579	.43
%RSD	1.4766	.34817	4.8758	.39377	.61349	.19300
#1	6.7549	3.4064	.02227	.66182	.94537	221.26
#2	6.6729	3.4083	.02140	.66666	.94826	221.70
#3	6.5590	3.3869	.02020	.66597	.93710	222.12
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62861.**	**66116.**
Stddev	117.	406.
%RSD	.18645	.61475
#1	62925.	65766.
#2	62726.	66019.
#3	62933.	66562.

Approved: April 01, 2011

Sample Name: L1103083407 Acquired: 3/31/2011 15:44:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10533**	**136.94**	**.09433**	**.20803**	**4.3645**	**.00968**	**201.57**
Stddev	.00085	.50	.00168	.00139	.0234	.00001	.92
%RSD	.81071	.36641	1.7853	.66713	.53570	.10485	.45614
#1	.10610	137.32	.09628	.20808	4.3910	.00969	202.58
#2	.10546	136.37	.09337	.20940	4.3555	.00967	201.34
#3	.10441	137.14	.09335	.20662	4.3469	.00967	200.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01163**	**.10217**	**.18087**	**.23530**	**259.29**	**7.2823**	**.08716**
Stddev	.00009	.00042	.00041	.00103	2.31	.0325	.00102
%RSD	.73496	.41253	.22646	.43653	.89102	.44575	1.1702
#1	.01172	.10258	.18090	.23636	259.93	7.3058	.08700
#2	.01156	.10218	.18126	.23431	261.21	7.2959	.08624
#3	.01160	.10174	.18044	.23522	256.73	7.2453	.08826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.350**	**7.4598**	**.01499**	**4.8146**	**.16640**	F **20467.**	**.43255**
Stddev	.035	.0134	.00038	.0130	.00020	19.	.00195
%RSD	.13190	.17923	2.5077	.27022	.12043	.09491	.45048
#1	26.311	7.4508	.01535	4.8278	.16627	20457.	.43433
#2	26.363	7.4752	.01503	4.8141	.16663	20489.	.43285
#3	26.376	7.4534	.01460	4.8018	.16630	20454.	.43047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083407 Acquired: 3/31/2011 15:44:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.308**	F **296.31**	F **808.11**	**.00622**	**.00958**	F **968.45**	**.01049**
Stddev	4.190	.56	.87	.00206	.00283	1.88	.00034
%RSD	9.9029	.19023	.10821	33.067	29.554	.19385	3.2687
#1	-46.226	296.26	808.95	.00385	.00670	968.86	.01066
#2	-37.892	296.89	807.20	.00732	.01237	970.09	.01071
#3	-42.807	295.77	808.17	.00749	.00968	966.41	.01009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8415**	**1.0888**	**.01292**	**.43046**	**1.0570**	F **119.10**
Stddev	.0118	.0017	.00144	.00054	.0006	.48
%RSD	.41354	.15852	11.132	.12487	.06115	.40320
#1	2.8543	1.0903	.01164	.43103	1.0576	118.68
#2	2.8392	1.0890	.01264	.43039	1.0570	118.99
#3	2.8311	1.0869	.01447	.42997	1.0563	119.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63648.**	**65221.**
Stddev	68.	201.
%RSD	.10737	.30829
#1	63623.	65270.
#2	63596.	65000.
#3	63726.	65393.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 15:47:43 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43406**	**10.424**	**.41668**	**.52142**	**.96525**	**.05187**	**9.5384**
Stddev	.00198	.023	.00097	.00109	.00458	.00027	.0319
%RSD	.45655	.21846	.23199	.20859	.47473	.52626	.33391
#1	.43505	10.448	.41770	.52248	.96100	.05218	9.5040
#2	.43178	10.419	.41578	.52147	.96465	.05173	9.5443
#3	.43536	10.403	.41654	.52031	.97010	.05169	9.5669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05291**	**.21151**	**.50774**	**.52133**	**3.8908**	**47.558**	**.98175**
Stddev	.00009	.00043	.00152	.00118	.0084	.186	.00231
%RSD	.17717	.20398	.29862	.22661	.21667	.39032	.23580
#1	.05285	.21187	.50938	.52261	3.8845	47.392	.98065
#2	.05285	.21103	.50744	.52113	3.8876	47.522	.98019
#3	.05301	.21162	.50639	.52027	3.9004	47.758	.98441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7556**	**.49361**	**1.1000**	**49.677**	**.50762**	F **3.4959**	**.51415**
Stddev	.0267	.00114	.0002	.192	.00076	.8839	.00029
%RSD	.27327	.23167	.01827	.38648	.14878	25.285	.05718
#1	9.7256	.49244	1.1002	49.655	.50774	3.3287	.51416
#2	9.7646	.49368	1.1000	49.496	.50681	2.7075	.51385
#3	9.7765	.49472	1.0998	49.879	.50831	4.4515	.51444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 15:47:43 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.145**	**9.0797**	F **-.21426**	**1.3145**	**.42217**	F **717.87**	**1.0901**
Stddev	1.655	.0208	.03382	.0029	.00215	1.16	.0009
%RSD	16.315	.22890	15.785	.21662	.51008	.16130	.08350
#1	-8.8635	9.1006	-.18385	1.3137	.42187	718.88	1.0904
#2	-12.014	9.0793	-.20825	1.3122	.42018	716.61	1.0891
#3	-9.5587	9.0591	-.25069	1.3177	.42445	718.11	1.0909
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96552**	**1.0427**	**.52685**	**1.0691**	**1.0277**	F **1.2046**
Stddev	.00268	.0010	.00017	.0043	.0009	.1342
%RSD	.27790	.09640	.03274	.40090	.08607	11.139
#1	.96537	1.0417	.52704	1.0741	1.0286	1.3594
#2	.96292	1.0426	.52670	1.0667	1.0278	1.1341
#3	.96828	1.0437	.52683	1.0666	1.0268	1.1204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65847.**	**63659.**
Stddev	140.	392.
%RSD	.21185	.61515
#1	65707.	64085.
#2	65848.	63577.
#3	65986.	63315.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 15:51:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.01334**	**-.00036**	**.00169**	**-.00002**	**.00000**	**-.00050**
Stddev	.00016	.00255	.00028	.00017	.00006	.00001	.00222
%RSD	136.85	19.128	78.221	10.294	302.27	635.84	445.46
#1	.00001	.01165	-.00015	.00184	-.00009	.00001	.00122
#2	-.00029	.01628	-.00068	.00173	.00003	-.00001	.00028
#3	-.00006	.01210	-.00024	.00150	.00000	.00001	-.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00000**	**.00008**	**.00005**	**.00462**	**.06185**	**.00070**
Stddev	.00008	.0001	.00014	.00039	.00252	.01606	.00081
%RSD	345.15	8622.1	175.45	723.74	54.623	25.964	115.78
#1	.00007	-.00001	.00016	-.00033	.00171	.07779	.00132
#2	-.00008	-.00010	-.00008	.00005	.00602	.04567	-.00022
#3	-.00006	.00010	.00017	.00045	.00613	.06209	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**-.00013**	**.00007**	**.00931**	**-.00050**	F **.73310**	**.00056**
Stddev	.00382	.00024	.00012	.00867	.00012	5.6418	.00086
%RSD	75.383	184.53	188.67	93.100	23.363	769.59	152.72
#1	.00396	-.00038	.00017	.01055	-.00063	3.1650	.00029
#2	.00193	-.00012	-.00007	.01729	-.00039	4.7511	-.00013
#3	.00933	.00011	.00009	.00009	-.00049	-5.7168	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 15:51:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.607**	**.00364**	F **-.09327**	**-.00034**	**-.00052**	**.11841**	**-.00010**
Stddev	7.578	.05213	.12231	.00046	.00048	.03264	.00004
%RSD	71.443	1432.0	131.14	137.81	92.866	27.567	43.252
#1	-3.2707	.02902	-.00877	-.00041	.00004	.12106	-.00009
#2	-10.145	.03822	-.03752	.00016	-.00077	.14965	-.00014
#3	-18.406	-.05632	-.23352	-.00075	-.00081	.08453	-.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00116**	**.00064**	**.00002**	**-.00034**	**.04093**
Stddev	.00004	.00009	.00150	.00015	.00000	.08113
%RSD	295.73	7.5899	236.01	639.49	1.3482	198.21
#1	-.00005	.00106	.00214	.00012	-.00034	-.03265
#2	-.00002	.00121	-.00087	-.00015	-.00034	.12794
#3	.00003	.00121	.00064	.00009	-.00034	.02751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67054.**	**63364.**
Stddev	97.	104.
%RSD	.14488	.16479
#1	66978.	63263.
#2	67020.	63472.
#3	67163.	63356.

Approved: April 01, 2011

Sample Name: L1103083408 Acquired: 3/31/2011 15:54:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00931**	**121.26**	**.09928**	**.16115**	**3.4010**	**.01068**	**124.28**
Stddev	.00029	.62	.00184	.00280	.0171	.00002	.55
%RSD	3.1543	.50866	1.8506	1.7350	.50332	.21135	.44601
#1	.00924	120.54	.09926	.16381	3.4207	.01067	124.91
#2	.00964	121.61	.09746	.15823	3.3895	.01067	123.90
#3	.00906	121.61	.10113	.16140	3.3928	.01071	124.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.11929**	**.19099**	**.25426**	**271.11**	**9.5946**	**.07391**
Stddev	.00013	.00058	.00088	.00351	3.37	.0030	.00057
%RSD	1.3262	.48348	.46111	1.3814	1.2427	.03124	.77021
#1	.00938	.11873	.19002	.25051	273.54	9.5965	.07325
#2	.00946	.11926	.19121	.25479	267.27	9.5961	.07427
#3	.00963	.11988	.19174	.25747	272.53	9.5911	.07420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.477**	**8.9574**	**.01210**	**3.8353**	**.18553**	F **30800.**	**.43758**
Stddev	.062	.0034	.00016	.0160	.00146	131.	.00177
%RSD	.28757	.03838	1.3397	.41833	.78576	.42543	.40418
#1	21.475	8.9541	.01224	3.8536	.18454	30674.	.43750
#2	21.416	8.9573	.01214	3.8235	.18485	30791.	.43585
#3	21.540	8.9610	.01192	3.8288	.18721	30935.	.43938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083408 Acquired: 3/31/2011 15:54:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.836**	F **274.84**	F **1121.6**	**.00688**	**.01111**	F **449.22**	**.01058**
Stddev	5.438	2.07	2.4	.00092	.00292	1.58	.00043
%RSD	13.652	.75390	.20973	13.388	26.263	.35183	4.0366
#1	-37.647	272.66	1118.9	.00788	.01397	447.50	.01051
#2	-46.028	275.07	1123.3	.00608	.01121	449.58	.01103
#3	-35.833	276.79	1122.6	.00667	.00814	450.60	.01019
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6494**	**.67164**	**.01287**	**.41432**	**1.4570**	F **101.99**
Stddev	.0056	.00095	.00093	.00096	.0042	.39
%RSD	.34072	.14182	7.2092	.23066	.28788	.38560
#1	1.6553	.67252	.01207	.41326	1.4526	101.67
#2	1.6487	.67178	.01389	.41458	1.4573	102.43
#3	1.6441	.67063	.01266	.41512	1.4610	101.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64504.**	**65855.**
Stddev	151.	312.
%RSD	.23420	.47316
#1	64676.	65576.
#2	64442.	66192.
#3	64394.	65797.

Approved: April 01, 2011

Sample Name: L1103083409 Acquired: 3/31/2011 15:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**97.367**	**.09332**	**.10592**	**1.5164**	**.00979**	**32.188**
Stddev	.00051	.894	.00134	.00302	.0091	.00006	.240
%RSD	7.0100	.91828	1.4337	2.8521	.59906	.58974	.74516
#1	.00669	98.303	.09468	.10734	1.5172	.00984	32.122
#2	.00736	96.521	.09328	.10245	1.5070	.00981	31.988
#3	.00768	97.276	.09201	.10796	1.5251	.00973	32.453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.13252**	**.17689**	**.13807**	**271.70**	**5.0822**	**.04924**
Stddev	.00007	.00049	.00151	.00140	4.06	.0308	.00174
%RSD	.77669	.36916	.85105	1.0169	1.4929	.60545	3.5266
#1	.00955	.13306	.17814	.13955	273.72	5.0779	.05078
#2	.00942	.13239	.17731	.13789	267.03	5.0538	.04957
#3	.00954	.13211	.17522	.13676	274.34	5.1149	.04736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.905**	**11.918**	**.00798**	**1.1830**	**.13578**	F **12086.**	**.45182**
Stddev	.079	.045	.00006	.0098	.00057	33.	.00300
%RSD	.56470	.37925	.69073	.82456	.41678	.27341	.66345
#1	13.824	11.885	.00797	1.1760	.13639	12124.	.45508
#2	13.910	11.899	.00793	1.1790	.13566	12073.	.45121
#3	13.981	11.969	.00804	1.1942	.13528	12062.	.44918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083409 Acquired: 3/31/2011 15:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.083**	F **98.898**	F **473.92**	**.00888**	**.01131**	F **291.82**	**.00820**
Stddev	1.607	.513	.73	.00090	.00035	1.19	.00028
%RSD	4.0083	.51852	.15335	10.118	3.1372	.40833	3.3628
#1	-38.507	99.479	474.74	.00803	.01145	293.15	.00850
#2	-41.718	98.708	473.36	.00982	.01158	291.46	.00796
#3	-40.025	98.508	473.65	.00878	.01091	290.85	.00813
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24153**	**.37843**	**.01298**	**.32851**	**1.0404**	F **70.226**
Stddev	.00148	.00163	.00028	.00123	.0019	.671
%RSD	.61437	.42952	2.1251	.37559	.18268	.95484
#1	.24121	.37840	.01267	.32876	1.0424	70.953
#2	.24023	.37682	.01318	.32960	1.0403	70.094
#3	.24315	.38007	.01310	.32717	1.0386	69.632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65578.**	**66056.**
Stddev	310.	155.
%RSD	.47315	.23515
#1	65236.	66220.
#2	65656.	66035.
#3	65842.	65912.

Approved: April 01, 2011

Sample Name: L1103083410 Acquired: 3/31/2011 16:01:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360330-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00697**	**92.002**	**.08801**	**.10913**	**1.5921**	**.00847**	**50.924**
Stddev	.00042	1.382	.00066	.00250	.0035	.00005	.102
%RSD	6.0869	1.5020	.74519	2.2887	.22245	.55838	.20125
#1	.00717	91.777	.08873	.10996	1.5942	.00844	51.036
#2	.00649	93.482	.08745	.10632	1.5940	.00852	50.834
#3	.00727	90.746	.08784	.11110	1.5880	.00844	50.901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00788**	**.09546**	**.18824**	**.15174**	**250.16**	**7.8989**	**.05126**
Stddev	.00010	.00047	.00137	.00091	3.79	.0163	.00165
%RSD	1.2244	.48786	.72562	.60248	1.5170	.20621	3.2129
#1	.00791	.09580	.18795	.15277	250.09	7.8946	.04939
#2	.00778	.09493	.18973	.15141	246.40	7.8851	.05251
#3	.00797	.09565	.18705	.15103	253.99	7.9168	.05187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.837**	**7.5526**	**.00881**	**.80763**	**.12786**	F **17634.**	**.38689**
Stddev	.034	.0081	.00006	.00221	.00107	58.	.00098
%RSD	.22859	.10700	.72513	.27354	.83463	.32776	.25409
#1	14.800	7.5438	.00888	.80969	.12770	17687.	.38780
#2	14.867	7.5544	.00875	.80529	.12899	17644.	.38702
#3	14.843	7.5597	.00880	.80790	.12688	17572.	.38584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083410 Acquired: 3/31/2011 16:01:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360330-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.156**	F **196.63**	F **1022.0**	**.00737**	**.00843**	F **316.53**	**.00916**
Stddev	5.376	.97	1.8	.00107	.00243	.38	.00016
%RSD	11.164	.49491	.17191	14.478	28.807	.12008	1.7102
#1	-54.363	197.76	1023.2	.00744	.00836	316.58	.00913
#2	-45.008	196.03	1023.0	.00841	.00604	316.89	.00933
#3	-45.097	196.12	1020.0	.00627	.01090	316.13	.00902
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53772**	**.47899**	**.00995**	**.32072**	**.92820**	F **69.381**
Stddev	.00116	.00115	.00165	.00054	.00323	.190
%RSD	.21501	.23965	16.610	.16798	.34813	.27421
#1	.53883	.47889	.00904	.32123	.93161	69.548
#2	.53652	.47789	.00895	.32016	.92781	69.422
#3	.53780	.48018	.01186	.32077	.92518	69.174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65603.**	**65860.**
Stddev	232.	88.
%RSD	.35373	.13302
#1	65340.	65759.
#2	65693.	65920.
#3	65777.	65900.

Approved: April 01, 2011

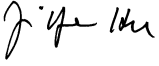
Sample Name: L1103083411S Acquired: 3/31/2011 16:05:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360330-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19402**	**87.954**	**.26240**	**.10888**	**1.4086**	**.00783**	**47.038**
Stddev	.00083	1.184	.00163	.00160	.0048	.00003	.138
%RSD	.42652	1.3465	.62090	1.4672	.34193	.39149	.29241
#1	.19410	86.796	.26402	.10790	1.4039	.00782	46.986
#2	.19315	87.903	.26076	.11072	1.4085	.00786	46.934
#3	.19480	89.163	.26240	.10801	1.4135	.00780	47.194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02993**	**.09273**	**.14587**	**.36240**	**247.36**	**6.9620**	**.05068**
Stddev	.00010	.00018	.00041	.00063	1.51	.0259	.00097
%RSD	.34928	.19537	.28236	.17279	.61083	.37186	1.9112
#1	.03001	.09294	.14551	.36311	246.13	6.9717	.05104
#2	.02981	.09262	.14632	.36217	249.05	6.9326	.04959
#3	.02997	.09263	.14578	.36193	246.91	6.9816	.05142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.051**	**7.4370**	**.00799**	**.62813**	**.11695**	F **15356.**	**.58594**
Stddev	.053	.0056	.00023	.00327	.00035	9.	.00227
%RSD	.37718	.07530	2.9068	.52038	.30243	.06037	.38741
#1	14.007	7.4316	.00787	.62935	.11662	15346.	.58578
#2	14.035	7.4366	.00826	.63062	.11733	15357.	.58376
#3	14.110	7.4428	.00785	.62443	.11692	15364.	.58829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: L1103083411S Acquired: 3/31/2011 16:05:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360330-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.296**	F **180.28**	F **932.69**	**.00599**	**.00925**	F **338.02**	**.00819**
Stddev	1.338	.45	1.32	.00029	.00256	.66	.00046
%RSD	3.3195	.25111	.14193	4.8979	27.654	.19658	5.6050
#1	-40.902	180.64	933.96	.00624	.01004	338.73	.00774
#2	-41.224	180.44	931.32	.00607	.01132	337.93	.00865
#3	-38.763	179.77	932.78	.00567	.00639	337.41	.00817
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45367**	**.47865**	**.01008**	**.28531**	**.82736**	F **56.430**
Stddev	.00069	.00145	.00070	.00117	.00160	.223
%RSD	.15205	.30267	6.9450	.41067	.19287	.39445
#1	.45358	.47727	.00964	.28532	.82747	56.232
#2	.45302	.47850	.00972	.28414	.82572	56.671
#3	.45439	.48016	.01089	.28648	.82891	56.389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65795.**	**66386.**
Stddev	90.	358.
%RSD	.13689	.53949
#1	65703.	65982.
#2	65883.	66514.
#3	65798.	66663.

Approved: April 01, 2011

Sample Name: L1103083412SD Acquired: 3/31/2011 16:08:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360330-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20145**	**84.466**	**.27053**	**.10048**	**1.3400**	**.00765**	**47.083**
Stddev	.00095	.707	.00276	.00198	.0011	.00005	.030
%RSD	.46994	.83738	1.0200	1.9717	.07986	.64371	.06354
#1	.20173	85.171	.27180	.09977	1.3402	.00762	47.074
#2	.20040	83.757	.26737	.09895	1.3389	.00761	47.059
#3	.20223	84.471	.27243	.10272	1.3410	.00770	47.117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03162**	**.08409**	**.15776**	**.38017**	**230.75**	**7.0613**	**.04824**
Stddev	.00018	.00054	.00125	.00133	3.45	.0098	.00098
%RSD	.58382	.64535	.79259	.34893	1.4964	.13895	2.0368
#1	.03178	.08416	.15637	.38081	232.01	7.0644	.04936
#2	.03142	.08351	.15813	.37865	226.85	7.0503	.04787
#3	.03167	.08459	.15879	.38106	233.41	7.0692	.04750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.683**	**7.0560**	**.00832**	**.51372**	**.12107**	F **16461.**	**.60142**
Stddev	.097	.0268	.00016	.00823	.00127	89.	.00512
%RSD	.71038	.37939	1.8723	1.6013	1.0527	.54160	.85050
#1	13.596	7.0364	.00818	.50423	.12083	16470.	.60094
#2	13.665	7.0452	.00828	.51876	.11993	16367.	.59656
#3	13.788	7.0865	.00849	.51817	.12245	16545.	.60676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083412SD Acquired: 3/31/2011 16:08:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360330-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.474**	F **195.14**	F **1012.1**	**.00694**	**.00920**	F **330.78**	**.00877**
Stddev	10.294	1.03	5.8	.00194	.00133	1.97	.00030
%RSD	27.470	.52580	.56889	27.920	14.425	.59583	3.4099
#1	-40.967	195.34	1013.9	.00580	.00850	331.35	.00848
#2	-45.568	194.03	1005.6	.00918	.00837	328.59	.00908
#3	-25.888	196.05	1016.7	.00584	.01073	332.41	.00875
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41585**	**.46235**	**.01082**	**.29234**	**.91464**	F **55.976**
Stddev	.00056	.00123	.00030	.00206	.00388	.337
%RSD	.13387	.26686	2.8145	.70453	.42399	.60147
#1	.41644	.46093	.01058	.29183	.91581	55.984
#2	.41533	.46296	.01116	.29059	.91031	55.635
#3	.41578	.46316	.01072	.29461	.91780	56.309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64940.**	**66272.**
Stddev	184.	240.
%RSD	.28292	.36210
#1	64821.	66395.
#2	65151.	66425.
#3	64847.	65995.

Approved: April 01, 2011

Sample Name: L1103083413 Acquired: 3/31/2011 16:12:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00754**	**96.876**	**.08992**	**.10722**	**1.4618**	**.00941**	**31.810**
Stddev	.00042	.959	.00109	.00118	.0029	.00003	.128
%RSD	5.5309	.98967	1.2145	1.1020	.19789	.33777	.40253
#1	.00723	97.954	.08940	.10611	1.4587	.00938	31.745
#2	.00801	96.120	.09117	.10846	1.4620	.00943	31.727
#3	.00736	96.553	.08917	.10709	1.4645	.00943	31.957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00867**	**.15452**	**.16845**	**.13073**	**270.06**	**5.3646**	**.05733**
Stddev	.00004	.00069	.00015	.00152	1.73	.0145	.00024
%RSD	.50795	.44552	.08825	1.1642	.64120	.27006	.41311
#1	.00869	.15529	.16833	.13246	268.89	5.3742	.05729
#2	.00871	.15433	.16841	.13012	272.05	5.3480	.05758
#3	.00863	.15396	.16862	.12960	269.24	5.3718	.05711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.814**	**11.963**	**.00764**	**.41223**	**.14592**	F **10574.**	**.40632**
Stddev	.089	.036	.00011	.01429	.00141	36.	.00382
%RSD	.64668	.30019	1.4516	3.4670	.96287	.34128	.94039
#1	13.768	11.938	.00762	.42489	.14746	10616.	.40976
#2	13.757	11.948	.00776	.41508	.14561	10552.	.40701
#3	13.917	12.004	.00754	.39673	.14470	10555.	.40221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083413 Acquired: 3/31/2011 16:12:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.052**	F **112.32**	F **563.80**	**.00744**	**.01086**	F **293.74**	**.00770**
Stddev	3.529	.76	3.44	.00160	.00208	1.76	.00014
%RSD	9.0374	.67723	.61083	21.483	19.127	.59855	1.7703
#1	-39.251	113.20	566.20	.00912	.01184	295.77	.00768
#2	-42.477	111.87	565.34	.00593	.00848	292.73	.00784
#3	-35.427	111.89	559.86	.00728	.01228	292.73	.00757
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30095**	**.40709**	**.01245**	**.31533**	**.75664**	F **64.449**
Stddev	.00116	.00141	.00033	.00110	.00189	.297
%RSD	.38591	.34645	2.6107	.34794	.24921	.46160
#1	.30031	.40658	.01212	.31626	.75869	64.749
#2	.30026	.40600	.01247	.31412	.75623	64.154
#3	.30229	.40868	.01277	.31561	.75499	64.445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65285.**	**66179.**
Stddev	167.	367.
%RSD	.25514	.55512
#1	65099.	65979.
#2	65332.	66603.
#3	65422.	65954.

Approved: April 01, 2011

Sample Name: L1103083414 Acquired: 3/31/2011 16:16:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00759**	**86.522**	**.09088**	**.11131**	**1.5948**	**.00917**	**43.148**
Stddev	.00043	.709	.00069	.00021	.0043	.00006	.210
%RSD	5.7170	.81948	.76170	.18914	.26733	.66989	.48581
#1	.00793	85.704	.09029	.11110	1.5927	.00912	42.975
#2	.00710	86.955	.09164	.11133	1.5920	.00914	43.088
#3	.00774	86.908	.09071	.11152	1.5997	.00924	43.381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00683**	**.13384**	**.19082**	**.18263**	**270.33**	**5.0761**	**.05167**
Stddev	.00009	.00111	.00145	.00249	1.64	.0437	.00067
%RSD	1.3218	.82805	.75893	1.3660	.60526	.86063	1.2913
#1	.00673	.13272	.18938	.18030	268.45	5.0306	.05240
#2	.00690	.13385	.19082	.18231	271.09	5.0799	.05153
#3	.00685	.13494	.19227	.18526	271.45	5.1177	.05109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.884**	**14.323**	**.00954**	**.72706**	**.14912**	F **14487.**	**.57229**
Stddev	.038	.044	.00017	.00279	.00153	60.	.00349
%RSD	.29826	.31043	1.8334	.38347	1.0230	.41548	.61051
#1	12.841	14.277	.00974	.72575	.14909	14421.	.57218
#2	12.896	14.326	.00940	.72518	.14761	14499.	.56886
#3	12.914	14.366	.00949	.73027	.15066	14540.	.57584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083414 Acquired: 3/31/2011 16:16:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.068**	F **156.19**	F **793.47**	**.00807**	**.01219**	F **293.81**	**.00917**
Stddev	5.183	1.74	1.78	.00101	.00086	1.21	.00013
%RSD	10.352	1.1132	.22460	12.568	7.0397	.41075	1.4637
#1	-55.064	154.43	792.26	.00691	.01212	292.44	.00923
#2	-50.425	156.23	792.63	.00878	.01138	294.26	.00902
#3	-44.716	157.91	795.52	.00852	.01309	294.72	.00927
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35587**	**.38007**	**.01303**	**.32216**	**.97794**	F **78.409**
Stddev	.00165	.00098	.00225	.00214	.00513	.626
%RSD	.46237	.25859	17.298	.66295	.52454	.79853
#1	.35478	.38010	.01120	.32069	.97272	78.011
#2	.35507	.37907	.01554	.32119	.97811	78.086
#3	.35777	.38103	.01234	.32461	.98298	79.131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65304.**	**65780.**
Stddev	443.	275.
%RSD	.67774	.41869
#1	65750.	66098.
#2	65297.	65612.
#3	64865.	65631.

Approved: April 01, 2011

Sample Name: L1103083415 Acquired: 3/31/2011 16:19:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00700**	**78.169**	**.08826**	**.09074**	**1.3112**	**.00816**	**35.316**
Stddev	.00026	.232	.00007	.00380	.0041	.00008	.059
%RSD	3.7648	.29697	.08236	4.1873	.30972	1.0067	.16642
#1	.00730	78.325	.08829	.09319	1.3102	.00819	35.261
#2	.00688	78.279	.08831	.08636	1.3157	.00807	35.378
#3	.00682	77.902	.08818	.09266	1.3078	.00822	35.309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01039**	**.09663**	**.16628**	**.16453**	**232.24**	**3.7884**	**.03998**
Stddev	.00001	.00014	.00080	.00064	3.93	.0492	.00184
%RSD	.12720	.14516	.48134	.38851	1.6939	1.2988	4.6084
#1	.01039	.09666	.16675	.16518	234.27	3.8048	.04025
#2	.01038	.09648	.16536	.16390	227.70	3.8272	.03802
#3	.01040	.09676	.16673	.16451	234.74	3.7331	.04168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.436**	**8.5174**	**.00847**	**.52438**	**.11500**	F **7707.3**	**.47615**
Stddev	.043	.0131	.00008	.00877	.00072	11.0	.00075
%RSD	.37493	.15363	.99174	1.6718	.62609	.14242	.15747
#1	11.395	8.5065	.00844	.51817	.11570	7710.0	.47559
#2	11.480	8.5319	.00857	.52056	.11504	7716.7	.47700
#3	11.433	8.5138	.00841	.53441	.11426	7695.3	.47585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083415 Acquired: 3/31/2011 16:19:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.572**	F **96.378**	F **437.77**	**.00798**	**.00856**	F **279.72**	**.00759**
Stddev	7.377	.267	.74	.00128	.00137	1.88	.00012
%RSD	18.642	.27696	.16840	16.082	16.033	.67388	1.5883
#1	-45.063	96.684	438.61	.00818	.00897	281.36	.00772
#2	-31.186	96.193	437.47	.00661	.00969	277.66	.00748
#3	-42.465	96.258	437.23	.00915	.00703	280.14	.00757
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25439**	**.36953**	**.01060**	**.29033**	**1.0316**	F **55.080**
Stddev	.00029	.00087	.00012	.00047	.0024	.306
%RSD	.11499	.23559	1.0870	.16126	.23186	.55480
#1	.25423	.36900	.01071	.29048	1.0333	55.427
#2	.25421	.36906	.01061	.28980	1.0289	54.853
#3	.25473	.37054	.01048	.29070	1.0325	54.959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65546.**	**66168.**
Stddev	101.	391.
%RSD	.15392	.59080
#1	65444.	66051.
#2	65645.	65848.
#3	65548.	66604.

Approved: April 01, 2011

Sample Name: L1103083416 Acquired: 3/31/2011 16:23:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00581**	**98.133**	**.08670**	**.09523**	**1.6139**	**.00886**	**59.686**
Stddev	.00060	.845	.00133	.00269	.0016	.00004	.183
%RSD	10.274	.86064	1.5354	2.8251	.09935	.44862	.30667
#1	.00523	98.495	.08609	.09363	1.6144	.00882	59.616
#2	.00643	97.167	.08823	.09833	1.6152	.00886	59.893
#3	.00578	98.735	.08579	.09372	1.6121	.00890	59.548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00703**	**.07931**	**.17266**	**.17448**	**223.40**	**8.4695**	**.05754**
Stddev	.00004	.00016	.00111	.00007	3.65	.0393	.00057
%RSD	.52063	.20160	.64197	.03966	1.6329	.46394	.98381
#1	.00701	.07927	.17247	.17441	219.99	8.4518	.05797
#2	.00701	.07917	.17166	.17455	227.25	8.5146	.05774
#3	.00708	.07948	.17385	.17448	222.97	8.4422	.05690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.689**	**6.1519**	**.00931**	**.73931**	**.12613**	F **17406.**	**.36751**
Stddev	.065	.0157	.00010	.00109	.00053	10.	.00150
%RSD	.44535	.25566	1.0258	.14754	.42146	.05913	.40689
#1	14.629	6.1397	.00936	.74057	.12594	17411.	.36920
#2	14.759	6.1696	.00937	.73868	.12573	17394.	.36635
#3	14.681	6.1463	.00920	.73868	.12673	17413.	.36698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083416 Acquired: 3/31/2011 16:23:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.527**	F **238.85**	F **1240.7**	**.00695**	**.00980**	F **291.37**	**.00991**
Stddev	5.327	.21	2.0	.00107	.00181	.76	.00011
%RSD	10.756	.08640	.15786	15.323	18.445	.26090	1.1528
#1	-43.678	238.89	1240.9	.00814	.01076	290.72	.00991
#2	-54.100	239.04	1242.6	.00664	.00772	292.21	.01003
#3	-50.802	238.63	1238.7	.00607	.01092	291.17	.00980
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48528**	**.42987**	**.00811**	**.30730**	**.96534**	F **78.033**
Stddev	.00148	.00137	.00054	.00028	.00297	.007
%RSD	.30444	.31966	6.6339	.09236	.30782	.00957
#1	.48507	.43131	.00802	.30704	.96199	78.041
#2	.48685	.42857	.00763	.30726	.96764	78.026
#3	.48392	.42973	.00869	.30760	.96641	78.031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65215.**	**66864.**
Stddev	170.	531.
%RSD	.26002	.79417
#1	65410.	67170.
#2	65129.	66251.
#3	65105.	67171.

Approved: April 01, 2011

Sample Name: L1103083417 Acquired: 3/31/2011 16:26:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00636**	**93.066**	**.09001**	**.11084**	**1.3069**	**.00944**	**40.435**
Stddev	.00030	.439	.00051	.00122	.0039	.00002	.300
%RSD	4.7067	.47205	.56533	1.1039	.29853	.18203	.74206
#1	.00642	93.543	.09053	.11039	1.3039	.00942	40.154
#2	.00661	92.678	.08998	.11222	1.3055	.00944	40.400
#3	.00603	92.975	.08951	.10990	1.3113	.00945	40.751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00794**	**.11372**	**.16960**	**.14065**	**275.32**	**5.0741**	**.05269**
Stddev	.00006	.00029	.00070	.00080	1.33	.0474	.00061
%RSD	.71809	.25707	.41125	.56861	.48217	.93314	1.1484
#1	.00795	.11393	.16909	.14070	274.12	5.0308	.05337
#2	.00800	.11385	.16931	.14143	276.74	5.0668	.05220
#3	.00788	.11339	.17039	.13983	275.08	5.1246	.05250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.722**	**9.4919**	**.00848**	**.50412**	**.13492**	F **10463.**	**.38845**
Stddev	.141	.0435	.00009	.01122	.00048	31.	.00279
%RSD	1.0264	.45850	1.1160	2.2253	.35207	.29639	.71784
#1	13.601	9.4504	.00841	.49577	.13441	10433.	.38598
#2	13.689	9.4880	.00859	.51687	.13501	10495.	.38789
#3	13.876	9.5372	.00844	.49971	.13535	10462.	.39147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083417 Acquired: 3/31/2011 16:26:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.238**	F **133.71**	F **663.75**	**.00650**	**.01005**	F **278.74**	**.00810**
Stddev	1.095	.67	4.32	.00226	.00191	.53	.00030
%RSD	2.4762	.49801	.65086	34.739	19.024	.18904	3.7422
#1	-43.024	134.40	662.09	.00491	.00993	279.23	.00791
#2	-45.153	133.66	668.65	.00551	.00820	278.80	.00795
#3	-44.538	133.07	660.50	.00908	.01201	278.18	.00845
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27185**	**.33496**	**.01056**	**.30998**	**.80742**	F **61.662**
Stddev	.00144	.00160	.00060	.00008	.00008	.378
%RSD	.52902	.47901	5.6634	.02429	.01034	.61334
#1	.27061	.33566	.01041	.31005	.80733	61.379
#2	.27150	.33312	.01122	.30999	.80750	61.515
#3	.27343	.33609	.01006	.30990	.80743	62.091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65531.**	**66060.**
Stddev	173.	447.
%RSD	.26361	.67712
#1	65349.	66418.
#2	65550.	66203.
#3	65693.	65558.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 16:30:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44553	10.531	.42361	.52871	.96137	.05245	9.4409
Stddev	.00106	.034	.00050	.00102	.00407	.00017	.0290
%RSD	.23735	.32545	.11839	.19328	.42349	.33192	.30710
#1	.44489	10.563	.42318	.52755	.95672	.05259	9.4077
#2	.44494	10.534	.42349	.52912	.96304	.05226	9.4540
#3	.44675	10.495	.42416	.52947	.96433	.05251	9.4610
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05354	.21465	.51143	.52972	3.9389	47.188	.97863
Stddev	.00034	.00115	.00196	.00183	.0144	.160	.00331
%RSD	.63255	.53614	.38258	.34455	.36682	.33980	.33860
#1	.05316	.21346	.51342	.52762	3.9475	47.003	.97491
#2	.05366	.21473	.50951	.53094	3.9470	47.275	.98126
#3	.05380	.21576	.51136	.53060	3.9222	47.286	.97972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7147	.49555	F 1.1020	49.170	.51220	F 8.9068	.52297
Stddev	.0488	.00097	.0009	.143	.00115	8.1365	.00139
%RSD	.50224	.19540	.08082	.29143	.22367	91.352	.26605
#1	9.6772	.49444	1.1010	49.014	.51098	11.893	.52230
#2	9.7699	.49600	1.1022	49.202	.51324	-.30092	.52203
#3	9.6969	.49622	1.1028	49.296	.51238	15.128	.52456
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 16:30:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.4556**	**9.1916**	F **-.31472**	F **1.3295**	**.43259**	F **724.29**	F **1.1002**
Stddev	4.0972	.0822	.15026	.0029	.00174	1.73	.0039
%RSD	43.331	.89421	47.743	.22164	.40269	.23907	.35353
#1	-12.973	9.1428	-.28620	1.3280	.43064	722.43	1.0958
#2	-4.9568	9.1455	-.47720	1.3277	.43313	724.57	1.1017
#3	-10.437	9.2865	-.18077	1.3329	.43399	725.86	1.1032
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000		5.0000	1.0000
Range	-10.000%		-10.000%	10.000%		10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95832**	**1.0401**	**.53504**	**1.0890**	**1.0387**	**1.0458**
Stddev	.00356	.0020	.00161	.0017	.0034	.1188
%RSD	.37141	.19582	.30059	.15601	.32443	11.355
#1	.95445	1.0381	.53430	1.0873	1.0349	1.1360
#2	.95908	1.0402	.53394	1.0890	1.0408	.91124
#3	.96145	1.0421	.53689	1.0907	1.0406	1.0902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65274.**	**64479.**
Stddev	325.	570.
%RSD	.49755	.88401
#1	65621.	65025.
#2	65224.	63888.
#3	64978.	64526.

Approved: April 01, 2011

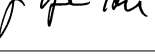
Sample Name: CCB Acquired: 3/31/2011 16:33:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01623**	**.00084**	**.00202**	**.00025**	**.00003**	**.00011**
Stddev	.00038	.00166	.00012	.00083	.00024	.00001	.00079
%RSD	95.993	10.207	14.329	41.196	97.260	24.121	743.83
#1	-.00082	.01444	.00072	.00295	.00038	.00003	.00076
#2	-.00011	.01653	.00085	.00135	-.00003	.00003	-.00077
#3	-.00024	.01771	.00096	.00176	.00040	.00004	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00003**	**.00006**	**.00040**	**.00638**	**.06686**	**.00066**
Stddev	.00007	.00013	.00027	.00023	.00255	.03335	.00124
%RSD	185.03	412.17	464.40	58.675	39.919	49.882	188.52
#1	-.00010	.00004	.00037	.00066	.00547	.10536	.00127
#2	-.00004	.00015	-.00014	.00020	.00926	.04847	.00148
#3	.00003	-.00010	-.00005	.00033	.00441	.04675	-.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00385**	**-.00007**	**.00011**	**.01215**	**-.00013**	F **-.04823**	**.00147**
Stddev	.00353	.00049	.00015	.00630	.00020	5.6514	.00086
%RSD	91.681	699.16	136.83	51.817	150.74	11717.	58.393
#1	-.00264	.00018	.00022	.01189	-.00033	-5.2961	.00060
#2	-.00782	.00024	.00017	.00599	-.00012	5.9348	.00150
#3	-.00108	-.00063	-.00006	.01857	.00006	-.78342	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011



Sample Name: CCB Acquired: 3/31/2011 16:33:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.535**	F **.03288**	F **-.01985**	**-.00040**	**-.00119**	**.26780**	**.00008**
Stddev	2.365	.02231	.03889	.00059	.00060	.13032	.00014
%RSD	18.867	67.841	195.91	148.76	50.031	48.662	170.25
#1	-12.737	.00762	-.06237	-.00101	-.00079	.25039	-.00002
#2	-14.792	.04988	.01391	.00017	-.00091	.14707	.00003
#3	-10.075	.04115	-.01109	-.00036	-.00188	.40595	.00024
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00092**	**.00020**	**.00018**	**-.00025**	**-.02131**
Stddev	.00010	.00061	.00050	.00004	.00005	.06977
%RSD	56.648	66.051	245.88	19.337	20.774	327.45
#1	.00028	.00028	.00010	.00021	-.00020	-.08145
#2	.00008	.00099	-.00024	.00014	-.00030	-.03766
#3	.00016	.00150	.00074	.00020	-.00025	.05519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66464.**	**63283.**
Stddev	142.	599.
%RSD	.21336	.94630
#1	66626.	63550.
#2	66363.	63703.
#3	66403.	62598.

Approved: April 01, 2011

Sample Name: L1103083418 Acquired: 3/31/2011 16:37:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	**74.357**	**.08427**	**.08967**	**1.2432**	**.00729**	**55.069**
Stddev	.00023	.391	.00100	.00065	.0024	.00006	.143
%RSD	3.8525	.52626	1.1922	.71993	.19195	.85259	.26009
#1	.00579	74.482	.08372	.08970	1.2417	.00730	54.944
#2	.00611	73.918	.08543	.08901	1.2420	.00735	55.037
#3	.00624	74.670	.08366	.09030	1.2460	.00723	55.225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00951**	**.11026**	**.15414**	**.15943**	**205.93**	**6.2963**	**.04469**
Stddev	.00004	.00035	.00032	.00063	.53	.0537	.00080
%RSD	.47017	.31330	.20950	.39748	.25951	.85335	1.7940
#1	.00946	.10996	.15409	.15904	205.50	6.2391	.04440
#2	.00955	.11064	.15448	.16016	205.75	6.3040	.04560
#3	.00951	.11020	.15384	.15908	206.53	6.3458	.04408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.939**	**8.1889**	**.00904**	**.75104**	**.10797**	F **16873.**	**.41779**
Stddev	.041	.0168	.00021	.00589	.00056	46.	.00156
%RSD	.37496	.20495	2.2845	.78442	.52194	.27347	.37263
#1	10.893	8.1706	.00905	.75778	.10857	16872.	.41863
#2	10.956	8.2035	.00883	.74688	.10746	16920.	.41875
#3	10.969	8.1927	.00925	.74846	.10788	16828.	.41599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083418 Acquired: 3/31/2011 16:37:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.716**	F **248.13**	F **1322.9**	**.00670**	**.01189**	F **311.95**	**.02282**
Stddev	2.373	1.35	2.5	.00188	.00116	1.62	.00033
%RSD	5.5554	.54572	.18547	28.039	9.7588	.52007	1.4284
#1	-45.114	247.68	1324.7	.00715	.01074	312.07	.02316
#2	-42.664	249.66	1323.9	.00463	.01306	313.51	.02251
#3	-40.369	247.07	1320.1	.00830	.01187	310.27	.02280
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35347**	**.37691**	**.00805**	**.27770**	**.93798**	F **61.137**
Stddev	.00035	.00052	.00107	.00100	.00104	.210
%RSD	.09846	.13711	13.312	.36111	.11064	.34337
#1	.35316	.37720	.00923	.27757	.93756	60.998
#2	.35342	.37631	.00713	.27876	.93917	61.379
#3	.35385	.37722	.00780	.27676	.93722	61.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64874.**	**65683.**
Stddev	180.	271.
%RSD	.27711	.41330
#1	64838.	65879.
#2	64714.	65798.
#3	65069.	65374.

Approved: April 01, 2011

Sample Name: L1103083419 Acquired: 3/31/2011 16:40:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**85.277**	**.08583**	**.08879**	**1.1877**	**.00799**	**36.688**
Stddev	.00059	.452	.00091	.00038	.0035	.00003	.105
%RSD	10.641	.53032	1.0572	.42382	.29492	.40478	.28669
#1	.00539	85.706	.08480	.08887	1.1869	.00796	36.674
#2	.00511	85.320	.08651	.08912	1.1915	.00802	36.800
#3	.00625	84.805	.08618	.08838	1.1847	.00800	36.591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00884**	**.10243**	**.16996**	**.14622**	**224.03**	**4.1594**	**.04965**
Stddev	.00002	.00025	.00080	.00055	1.56	.0362	.00107
%RSD	.26482	.24250	.47287	.37505	.69771	.87052	2.1567
#1	.00882	.10216	.16955	.14562	224.40	4.1852	.05088
#2	.00884	.10266	.17088	.14670	225.38	4.1751	.04889
#3	.00887	.10247	.16944	.14633	222.32	4.1180	.04919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.590**	**7.9144**	**.00809**	**.76429**	**.12132**	F **9346.2**	**.38148**
Stddev	.039	.0165	.00007	.01433	.00124	16.4	.00116
%RSD	.37140	.20815	.92145	1.8747	1.0188	.17534	.30408
#1	10.545	7.8978	.00818	.76515	.12013	9330.6	.38281
#2	10.617	7.9308	.00806	.77817	.12260	9363.3	.38074
#3	10.609	7.9147	.00804	.74955	.12123	9344.6	.38088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083419 Acquired: 3/31/2011 16:40:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.930**	F **126.13**	F **612.89**	**.00637**	**.00932**	F **237.03**	**.00852**
Stddev	4.102	.29	4.81	.00116	.00235	1.14	.00021
%RSD	10.022	.22964	.78520	18.205	25.238	.47897	2.4381
#1	-44.551	126.36	614.17	.00584	.01095	236.65	.00828
#2	-36.475	126.23	616.92	.00558	.01039	238.30	.00863
#3	-41.764	125.81	607.56	.00770	.00662	236.13	.00864
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24862**	**.33819**	**.00916**	**.28617**	**.85400**	F **60.346**
Stddev	.00122	.00098	.00014	.00059	.00090	.498
%RSD	.49201	.28886	1.5496	.20769	.10518	.82469
#1	.24830	.33767	.00931	.28569	.85298	59.798
#2	.24998	.33931	.00902	.28599	.85435	60.470
#3	.24760	.33758	.00915	.28684	.85467	60.770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64621.**	**66119.**
Stddev	72.	100.
%RSD	.11074	.15154
#1	64595.	66004.
#2	64701.	66177.
#3	64565.	66177.

Approved: April 01, 2011

Sample Name: L1103083420 Acquired: 3/31/2011 16:44:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00665**	**83.858**	**.10101**	**.09608**	**1.3855**	**.00883**	**26.292**
Stddev	.00092	.353	.00089	.00540	.0041	.00005	.166
%RSD	13.785	.42083	.88198	5.6217	.29692	.51586	.63158
#1	.00693	84.159	.10075	.09150	1.3807	.00882	26.105
#2	.00740	83.946	.10027	.10203	1.3879	.00880	26.352
#3	.00563	83.470	.10200	.09469	1.3877	.00889	26.421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01105**	**.11223**	**.18291**	**.13307**	**245.17**	**4.0040**	**.04199**
Stddev	.00018	.00044	.00099	.00036	8.23	.0349	.00098
%RSD	1.6204	.39117	.53976	.27132	3.3559	.87083	2.3406
#1	.01085	.11189	.18343	.13348	237.09	3.9706	.04309
#2	.01114	.11206	.18177	.13295	253.54	4.0402	.04170
#3	.01117	.11273	.18353	.13279	244.88	4.0013	.04119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.752**	**8.5202**	**.01067**	**.54521**	**.11622**	F **10319.**	**.49616**
Stddev	.070	.0284	.00008	.00930	.00101	27.	.00143
%RSD	.59385	.33368	.74614	1.7056	.86757	.26250	.28809
#1	11.674	8.4879	.01058	.54639	.11676	10334.	.49781
#2	11.771	8.5315	.01070	.53538	.11506	10288.	.49534
#3	11.810	8.5412	.01072	.55386	.11684	10336.	.49532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083420 Acquired: 3/31/2011 16:44:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.136**	F **119.93**	F **651.88**	**.00885**	**.00850**	F **229.40**	**.00844**
Stddev	3.962	.26	1.31	.00158	.00074	.39	.00007
%RSD	8.4054	.21426	.20101	17.902	8.7659	.17172	.88554
#1	-50.863	120.08	652.59	.01045	.00792	229.67	.00850
#2	-42.975	120.07	650.37	.00881	.00823	228.95	.00835
#3	-47.571	119.63	652.68	.00728	.00934	229.58	.00846
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17615**	**.32949**	**.01073**	**.32196**	**.97317**	F **57.915**
Stddev	.00078	.00046	.00097	.00139	.00055	.163
%RSD	.44445	.14067	9.0757	.43068	.05608	.28128
#1	.17531	.32898	.00987	.32161	.97286	57.954
#2	.17627	.32988	.01178	.32077	.97284	57.736
#3	.17686	.32962	.01053	.32348	.97380	58.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65594.**	**66323.**
Stddev	61.	299.
%RSD	.09332	.45028
#1	65527.	66660.
#2	65646.	66219.
#3	65610.	66091.

Approved: April 01, 2011

Sample Name: L1103083421 Acquired: 3/31/2011 16:48:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00521**	**82.892**	**.08145**	**.07647**	**1.2850**	**.00783**	**27.938**
Stddev	.00029	.665	.00202	.00112	.0043	.00003	.093
%RSD	5.4929	.80247	2.4753	1.4602	.33342	.44063	.33448
#1	.00507	83.481	.08169	.07738	1.2878	.00781	28.028
#2	.00554	83.025	.08334	.07681	1.2871	.00787	27.943
#3	.00503	82.170	.07933	.07522	1.2801	.00782	27.842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00712**	**.07635**	**.17973**	**.11498**	**192.27**	**6.3502**	**.04247**
Stddev	.00006	.00062	.00017	.00174	.52	.0261	.00069
%RSD	.87010	.81599	.09504	1.5093	.27144	.41036	1.6355
#1	.00718	.07672	.17992	.11604	192.68	6.3526	.04227
#2	.00712	.07670	.17961	.11593	192.46	6.3750	.04325
#3	.00706	.07563	.17966	.11298	191.68	6.3230	.04191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.851**	**5.2536**	**.00842**	**.46712**	**.09890**	F **11594.**	**.36867**
Stddev	.019	.0039	.00012	.00111	.00060	51.	.00138
%RSD	.17382	.07478	1.3661	.23756	.60891	.44349	.37508
#1	10.849	5.2539	.00852	.46662	.09942	11537.	.36734
#2	10.834	5.2495	.00845	.46839	.09905	11636.	.37010
#3	10.872	5.2574	.00830	.46635	.09824	11610.	.36855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083421 Acquired: 3/31/2011 16:48:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.853**	F **138.18**	F **738.53**	**.00723**	**.00730**	F **230.82**	**.00821**
Stddev	5.736	.71	2.11	.00055	.00224	.36	.00024
%RSD	11.987	.51033	.28634	7.5467	30.731	.15573	2.9526
#1	-50.267	138.72	739.96	.00741	.00987	231.15	.00819
#2	-41.304	138.45	739.54	.00766	.00570	230.89	.00847
#3	-51.986	137.38	736.10	.00662	.00634	230.44	.00798
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18321**	**.36507**	**.00801**	**.29308**	**.74663**	F **63.874**
Stddev	.00036	.00133	.00150	.00126	.00079	.121
%RSD	.19508	.36344	18.724	.42986	.10624	.18950
#1	.18363	.36569	.00634	.29201	.74575	63.983
#2	.18299	.36597	.00844	.29447	.74730	63.896
#3	.18302	.36355	.00924	.29276	.74683	63.744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65155.**	**66854.**
Stddev	142.	306.
%RSD	.21813	.45696
#1	65163.	66808.
#2	65009.	66575.
#3	65293.	67181.

Approved: April 01, 2011

Sample Name: L1103083422 Acquired: 3/31/2011 16:51:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**101.49**	**.08676**	**.08810**	**1.3820**	**.00976**	**25.153**
Stddev	.00080	1.09	.00128	.00146	.0015	.00002	.117
%RSD	15.910	1.0701	1.4806	1.6543	.11177	.22311	.46633
#1	.00430	102.06	.08734	.08763	1.3822	.00975	25.162
#2	.00494	100.23	.08529	.08693	1.3804	.00974	25.032
#3	.00589	102.17	.08766	.08973	1.3835	.00978	25.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**.11468**	**.23823**	**.11077**	**234.26**	**4.4364**	**.04850**
Stddev	.00005	.00097	.00027	.00171	1.94	.0454	.00108
%RSD	1.0375	.84590	.11194	1.5465	.82682	1.0222	2.2275
#1	.00472	.11427	.23851	.10930	233.92	4.4644	.04794
#2	.00477	.11398	.23818	.11037	232.52	4.3840	.04781
#3	.00482	.11578	.23799	.11265	236.34	4.4607	.04975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.265**	**5.7384**	**.00874**	**.56060**	**.11042**	F **6411.2**	**.25463**
Stddev	.062	.0144	.00017	.01048	.00002	15.6	.00089
%RSD	.60833	.25073	1.8874	1.8690	.02056	.24301	.34817
#1	10.294	5.7354	.00889	.55176	.11043	6398.2	.25377
#2	10.194	5.7257	.00856	.55786	.11040	6407.0	.25460
#3	10.308	5.7540	.00878	.57218	.11044	6428.5	.25554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103083422 Acquired: 3/31/2011 16:51:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.752**	F **79.835**	F **375.18**	**.00722**	**.00933**	F **272.53**	**.00809**
Stddev	2.052	.724	.63	.00042	.00211	1.46	.00047
%RSD	4.6898	.90666	.16717	5.8612	22.581	.53605	5.8263
#1	-46.121	79.670	374.48	.00758	.00980	274.09	.00845
#2	-42.581	79.208	375.37	.00675	.01116	271.19	.00826
#3	-42.552	80.627	375.69	.00732	.00703	272.31	.00755
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18759**	**.41162**	**.00956**	**.36402**	**.43737**	F **81.732**
Stddev	.00081	.00272	.00134	.00098	.00042	.486
%RSD	.43068	.66047	14.062	.26979	.09609	.59454
#1	.18755	.41476	.00938	.36393	.43695	82.085
#2	.18681	.41013	.00832	.36308	.43736	81.933
#3	.18842	.40997	.01099	.36504	.43779	81.178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65178.**	**67111.**
Stddev	171.	618.
%RSD	.26221	.92024
#1	65281.	66530.
#2	65272.	67760.
#3	64980.	67044.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 16:55:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44227	10.517	.42301	.52694	.96652	.05246	9.5148
Stddev	.00511	.038	.00164	.00259	.00367	.00018	.0388
%RSD	1.1562	.36366	.38820	.49148	.37977	.34399	.40734
#1	.43835	10.481	.42482	.52449	.96595	.05232	9.5007
#2	.44040	10.514	.42162	.52669	.96317	.05239	9.4850
#3	.44805	10.557	.42259	.52965	.97044	.05266	9.5586
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05362	.21501	.51077	.53054	3.8989	47.544	.98542
Stddev	.00006	.00038	.00112	.00030	.0051	.160	.00187
%RSD	.10590	.17587	.21949	.05679	.13169	.33661	.18989
#1	.05360	.21463	.51023	.53032	3.9023	47.405	.98450
#2	.05358	.21500	.51002	.53042	3.8930	47.508	.98418
#3	.05369	.21539	.51206	.53089	3.9015	47.719	.98757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8350	.49770	F 1.1084	49.713	.51351	F 4.5629	.52183
Stddev	.0295	.00143	.0006	.123	.00049	8.7871	.00409
%RSD	.30023	.28750	.05638	.24673	.09608	192.58	.78290
#1	9.8202	.49609	1.1090	49.581	.51342	-5.5372	.51722
#2	9.8158	.49883	1.1077	49.734	.51307	10.452	.52503
#3	9.8690	.49818	1.1084	49.824	.51405	8.7735	.52322
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 16:55:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.7759**	**9.1126**	F **-.39354**	F **1.3323**	**.42897**	F **727.18**	F **1.1033**
Stddev	2.0509	.0266	.13696	.0031	.00130	.16	.0017
%RSD	54.316	.29220	34.801	.23441	.30207	.02219	.15680
#1	-2.5163	9.1032	-.24675	1.3312	.42752	727.27	1.1038
#2	-6.1425	9.1426	-.41597	1.3358	.42941	727.27	1.1014
#3	-2.6690	9.0920	-.51789	1.3299	.43000	726.99	1.1048
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000		5.0000	1.0000
Range	-10.000%		-10.000%	10.000%		10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96731**	**1.0500**	**.53516**	**1.0842**	**1.0410**	**1.0498**
Stddev	.00119	.0026	.00067	.0063	.0012	.1035
%RSD	.12297	.24647	.12543	.58064	.11318	9.8552
#1	.96634	1.0480	.53456	1.0778	1.0413	1.0313
#2	.96697	1.0491	.53588	1.0843	1.0398	1.1613
#3	.96864	1.0529	.53505	1.0904	1.0421	.95691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65359.**	**63516.**
Stddev	215.	615.
%RSD	.32957	.96793
#1	65547.	64103.
#2	65406.	63567.
#3	65124.	62877.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 16:58:31 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.01475**	**.00148**	**.00201**	**.00009**	**.00001**	**.00330**
Stddev	.00029	.00006	.00053	.00027	.00009	.00001	.00469
%RSD	145.39	.37873	35.883	13.571	100.84	114.48	142.30
#1	-.00032	.01478	.00209	.00177	-.00001	.00002	.00305
#2	-.00041	.01468	.00110	.00196	.00011	.00000	-.00127
#3	.00013	.01478	.00126	.00231	.00016	.00001	.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00006**	**.00014**	**.00001**	**.00604**	**.09243**	**.00059**
Stddev	.00001	.00007	.00027	.00035	.00190	.01318	.00098
%RSD	19.468	123.45	191.56	6077.9	31.458	14.260	164.56
#1	-.00004	-.00007	.00004	.00040	.00643	.10037	.00005
#2	-.00003	.00002	-.00006	-.00029	.00771	.09971	.00001
#3	-.00003	-.00012	.00044	-.00009	.00397	.07722	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00550**	**-.00038**	**.00000**	**.01428**	**-.00025**	F **2.9241**	**.00054**
Stddev	.00974	.00022	.0002	.00328	.00042	2.3127	.00033
%RSD	177.01	59.300	4018.5	22.997	168.71	79.089	62.096
#1	.01654	-.00017	-.00018	.01203	.00017	4.1850	.00016
#2	.00182	-.00035	.00013	.01276	-.00068	.25505	.00080
#3	-.00186	-.00061	.00004	.01805	-.00024	4.3324	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 16:58:31 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.372**	**-.00595**	F **-.23469**	**-.00091**	**-.00086**	**.17523**	**-.00018**
Stddev	7.190	.02775	.07730	.00040	.00121	.07113	.00018
%RSD	53.771	466.37	32.936	44.424	141.12	40.590	98.289
#1	-9.8882	-.00166	-.27398	-.00060	-.00179	.25133	-.00003
#2	-21.641	.01940	-.28444	-.00136	-.00129	.11043	-.00038
#3	-8.5873	-.03559	-.14564	-.00075	.00051	.16394	-.00014
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00062**	**-.00052**	**.00013**	**-.00035**	F **.14988**
Stddev	.00006	.00055	.00035	.00019	.00004	.03545
%RSD	1160.1	88.623	66.958	144.68	10.237	23.655
#1	.00002	.00095	-.00054	.00008	-.00032	.10919
#2	.00004	-.00001	-.00016	.00034	-.00033	.17415
#3	-.00007	.00092	-.00086	-.00003	-.00039	.16630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66820.**	**63897.**
Stddev	122.	385.
%RSD	.18294	.60299
#1	66784.	63575.
#2	66720.	63791.
#3	66957.	64324.

Approved: April 01, 2011

Sample Name: LRC Acquired: 3/31/2011 17:02:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: AL 900 PPM

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**724.04**	**-.00577**	**.00189**	**-.00001**	**-.00008**	**.00226**
Stddev	.00026	8.69	.00115	.00027	.00008	.00001	.00572
%RSD	50.460	1.2007	19.919	14.215	580.15	8.0453	252.50
#1	-.00022	714.00	-.00464	.00167	-.00006	-.00008	.00159
#2	-.00067	729.10	-.00693	.00219	.00007	-.00009	-.00308
#3	-.00067	729.02	-.00574	.00182	-.00005	-.00007	.00829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00062**	**-.00044**	**.00036**	**.00665**	**.07992**	**.00156**
Stddev	.00007	.00007	.00006	.00038	.00048	.00628	.00122
%RSD	49.615	10.591	14.665	105.14	7.1781	7.8616	77.879
#1	-.00007	.00056	-.00044	-.00008	.00629	.08700	.00260
#2	-.00013	.00061	-.00038	.00057	.00719	.07775	.00022
#3	-.00020	.00069	-.00051	.00059	.00647	.07500	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00156**	**.00047**	**.01713**	**-.00349**	F **-1351.4**	**.02331**
Stddev	.00399	.00016	.00032	.00378	.00015	8.7	.00075
%RSD	260.28	10.414	68.482	22.089	4.2778	.64590	3.2033
#1	.00550	.00137	.00078	.01500	-.00354	-1360.7	.02372
#2	.00157	.00167	.00014	.01489	-.00360	-1343.3	.02377
#3	-.00247	.00163	.00050	.02150	-.00332	-1350.1	.02245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LRC Acquired: 3/31/2011 17:02:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: AL 900 PPM

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.583**	**.48830**	**3.1507**	**-.00583**	F **-.01882**	**.34748**	**-.00118**
Stddev	3.558	.05331	.4422	.00102	.00185	.19393	.00051
%RSD	20.235	10.917	14.035	17.542	9.8560	55.811	43.692
#1	-16.459	.45927	2.8751	-.00700	-.01678	.45050	-.00115
#2	-14.723	.45581	3.6607	-.00539	-.01926	.12378	-.00171
#3	-21.567	.54982	2.9162	-.00510	-.02041	.46815	-.00068
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000				81.000		
Low Limit	-.00400				-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00085**	**-.00304**	**.00028**	F **-.01371**	**.09694**
Stddev	.00010	.00060	.00269	.00007	.00039	.10697
%RSD	286.51	70.473	88.588	23.623	2.8438	110.35
#1	.00008	.00079	-.00505	.00024	-.01326	.05119
#2	-.00006	.00028	.00002	.00035	-.01391	.02044
#3	-.00013	.00147	-.00407	.00023	-.01395	.21918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					45.000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65848.**	**67350.**
Stddev	270.	523.
%RSD	.41030	.77647
#1	66144.	67892.
#2	65786.	66848.
#3	65615.	67310.

Approved: April 01, 2011

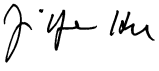
Sample Name: LRC Acquired: 3/31/2011 17:05:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: FE 1000 PPM

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00211**	**.02406**	**-.00808**	**.32798**	**.00003**	**-.00019**	**-.02174**
Stddev	.00028	.00252	.00139	.00702	.00010	.00000	.00929
%RSD	13.273	10.485	17.268	2.1415	325.85	2.5727	42.748
#1	-.00179	.02460	-.00666	.33529	.00012	-.00019	-.03140
#2	-.00231	.02628	-.00945	.32128	-.00008	-.00018	-.01286
#3	-.00222	.02132	-.00812	.32738	.00005	-.00018	-.02096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00160**	F **-.03782**	**.16168**	F **928.96**	**-.05321**	**.00041**
Stddev	.00016	.00007	.00033	.00574	8.67	.00558	.00110
%RSD	19.970	4.2283	.88105	3.5532	.93299	10.486	265.03
#1	.00080	-.00163	-.03795	.15516	935.87	-.05435	-.00078
#2	.00068	-.00153	-.03744	.16386	919.24	-.05814	.00063
#3	.00100	-.00165	-.03806	.16602	931.77	-.04715	.00139
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			90.000		900.00		
Low Limit			-.00300		-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00713**	**.00092**	**-.00531**	**.00361**	**-.00186**	kF **1602.7**	**.03538**
Stddev	.00790	.00008	.00020	.00540	.00051	12.3	.00149
%RSD	110.90	8.6125	3.8243	149.52	27.563	.77006	4.2170
#1	-.00171	.00099	-.00550	-.00262	-.00244	k 1615.1	.03490
#2	-.00347	.00083	-.00532	.00665	-.00163	k 1602.6	.03418
#3	-.01620	.00094	-.00510	.00682	-.00150	k 1590.4	.03705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: LRC Acquired: 3/31/2011 17:05:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: FE 1000 PPM

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.499**	**.27014**	F **-7.0208**	**.00064**	**-.00114**	**1.1054**	**.00515**
Stddev	11.243	.04655	.1072	.00117	.00213	.1032	.00041
%RSD	57.659	17.233	1.5273	183.27	186.29	9.3386	8.0510
#1	-30.791	.21997	-6.9611	-.00051	.00028	1.0025	.00488
#2	-19.400	.27852	-7.1446	.00059	-.00358	1.1048	.00494
#3	-8.3061	.31193	-6.9567	.00184	-.00012	1.2090	.00562
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00366**	**.00584**	**-.00549**	**.00349**	^ *****
Stddev	.00008	.00078	.00040	.00027	.00008	-----
%RSD	45.297	21.290	6.9288	4.9176	2.2851	-----
#1	-.00011	.00302	.00548	-.00578	.00357	^ -----
#2	-.00015	.00452	.00576	-.00547	.00341	^ -----
#3	-.00026	.00342	.00627	-.00524	.00347	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63613.**	**64305.**
Stddev	197.	191.
%RSD	.31009	.29722
#1	63811.	64126.
#2	63612.	64506.
#3	63417.	64284.

Approved: April 01, 2011

Sample Name: LRC Acquired: 3/31/2011 17:09:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: MN 200 PPM

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05789**	**.14451**	**.00561**	**-.01142**	**-.00004**	**.00009**	**.00757**
Stddev	.00070	.00322	.00028	.00089	.00014	.00002	.00590
%RSD	1.2123	2.2252	5.0562	7.7704	313.57	18.530	77.904
#1	.05865	.14420	.00557	-.01243	.00011	.00007	.00078
#2	.05774	.14146	.00536	-.01078	-.00015	.00009	.01053
#3	.05727	.14787	.00592	-.01105	-.00009	.00010	.01141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00069**	F **-.01487**	**.00225**	**.03713**	**.02277**	**.00016**
Stddev	.00004	.00010	.00026	.00024	.00591	.01347	.00068
%RSD	6.1552	14.177	1.7750	10.829	15.917	59.143	421.45
#1	.00059	.00058	-.01481	.00248	.04384	.00899	-.00041
#2	.00065	.00070	-.01516	.00226	.03487	.03590	-.00002
#3	.00058	.00078	-.01465	.00200	.03268	.02343	.00091
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.00300				

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02398**	F **182.48**	F **-.01074**	**.02802**	**.00134**	F **-404.17**	**.02349**
Stddev	.01023	2.93	.00010	.00689	.00013	4.19	.00027
%RSD	42.666	1.6054	.97258	24.586	9.5585	1.0366	1.1342
#1	.03199	184.14	-.01075	.02034	.00146	-399.46	.02377
#2	.02750	184.20	-.01084	.03006	.00137	-405.58	.02324
#3	.01245	179.10	-.01063	.03365	.00121	-407.47	.02346
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		180.00	18.000			900.00	
Low Limit		-.00300	-.01000			-.00400	

Approved: April 01, 2011

Sample Name: LRC Acquired: 3/31/2011 17:09:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: MN 200 PPM

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-22.563**	F **27.263**	F **144.14**	**-.00156**	**.07577**	**.95727**	**-.00055**
Stddev	2.159	.107	.35	.00197	.00106	.11146	.00035
%RSD	9.5664	.39229	.24230	126.66	1.4018	11.644	63.595
#1	-23.878	27.334	144.20	-.00352	.07687	1.0372	-.00077
#2	-20.072	27.140	143.77	-.00157	.07475	.82994	-.00015
#3	-23.740	27.316	144.46	.00042	.07569	1.0047	-.00073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00324**	**.09868**	F **-.01932**	**.00752**	**.04779**
Stddev	.00009	.00035	.00316	.00017	.00004	.02778
%RSD	371.94	10.652	3.1974	.85700	.55742	58.119
#1	.00008	-.00287	.09953	-.01934	.00751	.01713
#2	-.00007	-.00356	.09519	-.01947	.00749	.05497
#3	-.00007	-.00330	.10133	-.01915	.00757	.07128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65952.**	**64095.**
Stddev	384.	592.
%RSD	.58284	.92304
#1	65853.	63412.
#2	66376.	64425.
#3	65626.	64448.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 17:12:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43856**	**10.432**	**.42427**	**.52286**	**.97546**	**.05228**	**9.5843**
Stddev	.00053	.026	.00091	.00045	.00424	.00029	.0297
%RSD	.11983	.25110	.21515	.08602	.43500	.55368	.30985
#1	.43811	10.456	.42532	.52241	.97977	.05260	9.6183
#2	.43843	10.438	.42379	.52331	.97534	.05222	9.5633
#3	.43914	10.404	.42370	.52285	.97128	.05203	9.5714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05343**	**.21424**	**.50831**	**.52775**	**3.9016**	**47.804**	**.98844**
Stddev	.00033	.00089	.00292	.00318	.0108	.129	.00257
%RSD	.61141	.41475	.57459	.60174	.27713	.27059	.25983
#1	.05380	.21526	.51147	.53139	3.9141	47.943	.99123
#2	.05329	.21373	.50778	.52557	3.8960	47.783	.98791
#3	.05319	.21372	.50570	.52628	3.8947	47.687	.98618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7921**	**.50206**	F **1.1088**	**49.964**	**.51326**	F **6.6785**	**.52008**
Stddev	.0507	.00197	.0008	.049	.00181	4.3219	.00118
%RSD	.51775	.39205	.06729	.09858	.35276	64.713	.22718
#1	9.7958	.50410	1.1081	50.015	.51527	3.7078	.51878
#2	9.8408	.50191	1.1096	49.916	.51278	11.637	.52108
#3	9.7396	.50017	1.1086	49.962	.51175	4.6911	.52038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 17:12:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.455**	**9.0241**	F **-.67413**	F **1.3310**	**.43071**	F **729.38**	F **1.1017**
Stddev	3.672	.0182	.29305	.0033	.00120	2.24	.0022
%RSD	27.290	.20148	43.471	.25053	.27934	.30687	.20301
#1	-17.316	9.0075	-.66210	1.3296	.43114	731.43	1.1043
#2	-13.041	9.0212	-.38727	1.3286	.43164	726.99	1.1005
#3	-10.008	9.0435	-.97301	1.3348	.42935	729.73	1.1003
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000		5.0000	1.0000
Range	-10.000%		-10.000%	10.000%		10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97567**	**1.0522**	**.53192**	**1.0759**	**1.0322**	**1.0036**
Stddev	.00199	.0031	.00300	.0007	.0018	.0419
%RSD	.20418	.29454	.56362	.06201	.17810	4.1759
#1	.97753	1.0512	.53045	1.0762	1.0339	.99516
#2	.97356	1.0557	.52994	1.0751	1.0325	1.0491
#3	.97591	1.0497	.53537	1.0763	1.0302	.96652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64980.**	**63378.**
Stddev	195.	389.
%RSD	.29989	.61377
#1	64762.	63155.
#2	65038.	63151.
#3	65138.	63827.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 17:15:57 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.01935**	**.00082**	**.00267**	**.00012**	**.00000**	**-.00169**
Stddev	.00018	.00061	.00012	.00020	.00007	.00003	.00925
%RSD	36.724	3.1422	14.357	7.6524	58.765	646.68	548.61
#1	-.00039	.01894	.00089	.00289	.00004	-.00002	-.00634
#2	-.00038	.01905	.00068	.00263	.00016	.00001	.00897
#3	-.00070	.02005	.00088	.00249	.00017	.00003	-.00768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00002**	**.00018**	**.00004**	**.00333**	**.05467**	**.00156**
Stddev	.00001	.00003	.00026	.00035	.00283	.00810	.00045
%RSD	86.517	137.66	142.79	836.40	84.992	14.807	28.683
#1	.00001	.00001	.00002	.00045	.00651	.05484	.00166
#2	.00002	-.00004	.00047	-.00017	.00244	.06268	.00107
#3	.00000	-.00004	.00005	-.00015	.00105	.04649	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**.00032**	**.00012**	**.02330**	**-.00010**	F **-.63333**	**.00095**
Stddev	.00354	.00006	.00011	.00602	.00074	3.2508	.00085
%RSD	115.43	19.294	98.146	25.829	755.82	513.29	89.637
#1	-.00172	.00025	.00009	.02916	-.00063	.24016	.00051
#2	-.00040	.00035	.00002	.01714	-.00041	-4.2316	.00042
#3	-.00708	.00037	.00024	.02361	.00075	2.0915	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 17:15:57 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.621**	**-.00930**	F **-.12500**	**-.00158**	**-.00192**	**.11857**	**-.00012**
Stddev	3.333	.01731	.16429	.00133	.00253	.18256	.00015
%RSD	20.051	186.16	131.43	84.687	132.04	153.98	126.90
#1	-17.395	.00983	-.22866	-.00087	.00082	.29813	.00006
#2	-19.499	-.02389	.06442	-.00311	-.00239	-.06686	-.00020
#3	-12.969	-.01383	-.21076	-.00074	-.00418	.12442	-.00022
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00144**	**.00032**	**-.00005**	**-.00032**	**.03008**
Stddev	.00002	.00042	.00079	.00014	.00004	.04387
%RSD	123.22	29.084	245.52	263.16	11.889	145.83
#1	.00001	.00106	-.00053	.00000	-.00033	-.01954
#2	.00005	.00138	.00045	.00005	-.00036	.06373
#3	.00000	.00189	.00105	-.00021	-.00028	.04606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66340.**	**63636.**
Stddev	213.	328.
%RSD	.32093	.51592
#1	66179.	64014.
#2	66581.	63468.
#3	66260.	63425.

Approved: April 01, 2011

Sample Name: PBS 08 WG360488-02 Acquired: 3/31/2011 17:19:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.01540**	**-.00145**	**.00010**	**.00223**	**.00002**	**.04492**
Stddev	.00081	.00210	.00063	.00082	.00015	.00001	.00581
%RSD	151.13	13.631	43.587	788.62	6.5867	68.594	12.932
#1	-.00111	.01729	-.00211	.00054	.00206	.00001	.04055
#2	.00039	.01577	-.00085	-.00084	.00229	.00001	.04271
#3	-.00088	.01314	-.00139	.00061	.00233	.00003	.05151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00041**	**.00128**	**.00136**	**.03068**	**.57061**	**-.00051**
Stddev	.00009	.00013	.00046	.00013	.00266	.00278	.00102
%RSD	53.975	31.360	35.968	9.3182	8.6608	.48657	200.35
#1	.00007	-.00027	.00174	.00148	.03057	.57108	-.00121
#2	.00020	-.00052	.00127	.00137	.02808	.56762	-.00097
#3	.00025	-.00043	.00082	.00122	.03339	.57312	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01720**	**.00043**	**.00017**	**.05275**	**.00074**	**27.157**	**.00147**
Stddev	.00781	.00006	.00016	.01086	.00011	5.505	.00055
%RSD	45.402	13.590	92.579	20.583	14.764	20.271	37.747
#1	.02588	.00038	.00000	.06517	.00076	22.045	.00085
#2	.01495	.00041	.00030	.04799	.00062	26.441	.00162
#3	.01076	.00049	.00021	.04508	.00083	32.985	.00193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: PBS 08 WG360488-02 Acquired: 3/31/2011 17:19:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.634**	F **11.108**	F **74.415**	**.00154**	**.00096**	**3.2444**	**.00065**
Stddev	9.320	.164	.720	.00113	.00083	.3352	.00008
%RSD	52.854	1.4767	.96724	73.522	86.182	10.331	12.536
#1	-25.657	11.296	75.245	.00058	.00126	3.6298	.00058
#2	-19.834	11.038	73.960	.00278	.00002	3.0209	.00074
#3	-7.4104	10.991	74.040	.00125	.00159	3.0825	.00063
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00202**	**-.00131**	**.00010**	**.00339**	**.09112**
Stddev	.00006	.00100	.00087	.00010	.00013	.04754
%RSD	23.442	49.220	66.422	103.81	3.7772	52.170
#1	.00032	.00241	-.00087	-.00002	.00342	.08277
#2	.00029	.00089	-.00075	.00013	.00350	.04831
#3	.00020	.00277	-.00231	.00018	.00325	.14228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66019.**	**62902.**
Stddev	354.	150.
%RSD	.53606	.23773
#1	65641.	62844.
#2	66072.	62790.
#3	66343.	63072.

Approved: April 01, 2011

Sample Name: LCSS 08 WG360488-03 Acquired: 3/31/2011 17:22:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20827**	**4.8134**	**.19535**	**.92020**	**.47927**	**.02534**	**4.6872**
Stddev	.00067	.0020	.00019	.00129	.00146	.00002	.0184
%RSD	.32400	.04084	.09788	.14068	.30467	.09519	.39301
#1	.20784	4.8139	.19536	.91964	.47763	.02532	4.6710
#2	.20905	4.8151	.19515	.92168	.48042	.02537	4.7073
#3	.20792	4.8112	.19554	.91928	.47977	.02534	4.6834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02512**	**.10545**	**.25379**	**.25466**	**1.9638**	**23.265**	**.48204**
Stddev	.00012	.00005	.00031	.00070	.0095	.078	.00150
%RSD	.48799	.04438	.12313	.27354	.48461	.33352	.31153
#1	.02499	.10544	.25372	.25460	1.9530	23.182	.48048
#2	.02513	.10551	.25414	.25399	1.9675	23.336	.48347
#3	.02523	.10542	.25353	.25538	1.9709	23.277	.48217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8130**	**.24692**	**.55834**	**24.460**	**.25281**	F **-22.068**	**.25260**
Stddev	.0136	.00082	.00036	.111	.00026	8.063	.00219
%RSD	.28148	.33405	.06430	.45215	.10474	36.539	.86843
#1	4.7973	.24682	.55875	24.400	.25289	-31.248	.25420
#2	4.8215	.24779	.55816	24.587	.25303	-16.128	.25010
#3	4.8201	.24615	.55810	24.392	.25252	-18.828	.25350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 08 WG360488-03 Acquired: 3/31/2011 17:22:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.920**	**4.4834**	**.35980**	**.62051**	**.19570**	F **351.56**	**.53172**
Stddev	4.090	.0306	.03633	.00192	.00176	.53	.00101
%RSD	20.533	.68302	10.098	.31017	.89887	.15125	.19068
#1	-16.492	4.4986	.34588	.61966	.19501	351.00	.53168
#2	-24.448	4.4482	.40104	.61916	.19439	351.61	.53073
#3	-18.822	4.5035	.33248	.62272	.19770	352.06	.53276
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000					90.000	
Low Limit	-.00400					-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47717**	**.52028**	**.25383**	**.53917**	**.50091**	**.47720**
Stddev	.00149	.00137	.00051	.00161	.00068	.00773
%RSD	.31124	.26280	.20258	.29877	.13498	1.6193
#1	.47635	.51913	.25361	.53823	.50040	.47806
#2	.47888	.51993	.25346	.54103	.50168	.48447
#3	.47627	.52179	.25442	.53824	.50064	.46908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64802.**	**62823.**
Stddev	91.	332.
%RSD	.13967	.52895
#1	64810.	62960.
#2	64708.	62445.
#3	64888.	63066.

Approved: April 01, 2011

Sample Name: L1103090838 Acquired: 3/31/2011 17:26:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02151**	**142.10**	**.21221**	**.20586**	**2.5791**	**.00789**	**658.49**
Stddev	.00020	.47	.00094	.00221	.0091	.00001	6.97
%RSD	.92170	.33235	.44218	1.0723	.35279	.14862	1.0579
#1	.02157	142.61	.21256	.20823	2.5686	.00789	666.27
#2	.02168	142.00	.21292	.20549	2.5850	.00791	652.81
#3	.02129	141.68	.21115	.20386	2.5836	.00788	656.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.13256**	**.27654**	**10.574**	**268.00**	**37.998**	**.33200**
Stddev	.00009	.00025	.00063	.031	3.54	.159	.00170
%RSD	.49293	.18981	.22890	.29229	1.3218	.41894	.51114
#1	.01742	.13278	.27581	10.588	271.21	37.824	.33100
#2	.01729	.13261	.27692	10.595	268.58	38.136	.33105
#3	.01727	.13229	.27689	10.538	264.20	38.033	.33396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**146.57**	**5.3501**	**.02433**	**4.1171**	**.26165**	F **35569.**	**1.2774**
Stddev	.34	.0131	.00010	.0008	.00098	88.	.0013
%RSD	.23092	.24497	.42023	.01945	.37295	.24840	.10212
#1	146.22	5.3372	.02429	4.1176	.26223	35605.	1.2768
#2	146.89	5.3634	.02426	4.1161	.26220	35634.	1.2788
#3	146.61	5.3496	.02445	4.1175	.26053	35469.	1.2764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103090838 Acquired: 3/31/2011 17:26:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.173**	F **1349.9**	F **5029.3**	**.01899**	**.01090**	F **300.27**	**.05762**
Stddev	7.423	4.9	10.2	.00237	.00097	2.93	.00051
%RSD	13.214	.36541	.20322	12.469	8.9157	.97491	.88141
#1	-57.341	1353.5	5037.3	.01764	.01095	300.52	.05804
#2	-48.236	1352.1	5032.7	.01760	.01185	303.06	.05706
#3	-62.944	1344.3	5017.8	.02172	.00991	297.22	.05777
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6316**	**1.5144**	**.01549**	**.55634**	**3.1936**	F **117.11**
Stddev	.0121	.0043	.00104	.00126	.0049	.04
%RSD	.45957	.28065	6.6888	.22603	.15425	.03048
#1	2.6196	1.5099	.01431	.55516	3.1976	117.08
#2	2.6438	1.5183	.01628	.55767	3.1952	117.15
#3	2.6315	1.5150	.01587	.55619	3.1881	117.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60699.**	**65017.**
Stddev	88.	163.
%RSD	.14570	.25049
#1	60637.	64837.
#2	60660.	65058.
#3	60801.	65155.

Approved: April 01, 2011

Sample Name: L1103090839 Acquired: 3/31/2011 17:29:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**124.57**	**.17590**	**.15141**	**2.5297**	**.00772**	**744.02**
Stddev	.00036	1.50	.00232	.00047	.0109	.00004	6.81
%RSD	3.3309	1.2007	1.3178	.31077	.43006	.46441	.91472
#1	.01066	123.83	.17671	.15195	2.5423	.00771	745.48
#2	.01115	123.59	.17328	.15111	2.5227	.00769	749.98
#3	.01045	126.29	.17770	.15117	2.5243	.00776	736.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01214**	**.11327**	**.22507**	**4.7175**	**218.88**	**31.075**	**.29629**
Stddev	.00003	.00048	.00110	.0212	1.07	.114	.00106
%RSD	.24529	.42697	.48676	.44859	.48983	.36703	.35916
#1	.01217	.11301	.22478	4.7173	219.11	31.188	.29605
#2	.01215	.11297	.22415	4.6964	219.82	31.075	.29746
#3	.01211	.11383	.22628	4.7387	217.71	30.960	.29537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**126.88**	**4.4263**	**.01390**	**3.3281**	**.21822**	F **29489.**	**1.0925**
Stddev	.34	.0045	.00012	.0147	.00060	76.	.0056
%RSD	.26897	.10126	.84761	.44218	.27627	.25794	.51271
#1	127.06	4.4244	.01395	3.3149	.21891	29476.	1.0894
#2	127.08	4.4314	.01399	3.3440	.21797	29420.	1.0891
#3	126.48	4.4231	.01377	3.3254	.21779	29570.	1.0989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103090839 Acquired: 3/31/2011 17:29:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.660**	F **900.42**	F **1357.5**	**.01587**	**.00706**	F **362.33**	**.04166**
Stddev	3.148	4.42	3.4	.00254	.00227	2.18	.00051
%RSD	6.3384	.49081	.25113	16.035	32.108	.60111	1.2155
#1	-51.870	900.38	1358.1	.01293	.00664	364.77	.04113
#2	-51.055	896.02	1353.8	.01729	.00503	360.60	.04174
#3	-46.056	904.86	1360.6	.01738	.00950	361.61	.04213
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6317**	**1.1145**	**.01218**	**.45455**	**2.1299**	F **87.106**
Stddev	.0043	.0014	.00103	.00201	.0049	.472
%RSD	.16384	.12975	8.4249	.44316	.22907	.54241
#1	2.6342	1.1157	.01193	.45363	2.1291	87.238
#2	2.6341	1.1150	.01130	.45316	2.1256	86.581
#3	2.6267	1.1129	.01331	.45686	2.1352	87.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60821.**	**64342.**
Stddev	257.	407.
%RSD	.42300	.63293
#1	60782.	64133.
#2	61095.	64082.
#3	60585.	64811.

Approved: April 01, 2011

Sample Name: L1103090840 Acquired: 3/31/2011 17:33:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00748**	**104.17**	**.10084**	**.20387**	**1.7400**	**.01091**	**239.08**
Stddev	.00020	.85	.00045	.00295	.0024	.00002	.68
%RSD	2.6916	.82038	.45088	1.4464	.14067	.20446	.28575
#1	.00752	103.42	.10135	.20076	1.7409	.01093	238.30
#2	.00726	105.10	.10049	.20420	1.7418	.01089	239.42
#3	.00765	103.99	.10068	.20663	1.7372	.01093	239.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**.11838**	**.21930**	**7.7469**	**225.82**	**38.855**	**.20286**
Stddev	.00016	.00028	.00125	.0084	4.68	.062	.00080
%RSD	1.9983	.23605	.57227	.10841	2.0739	.16072	.39632
#1	.00775	.11849	.21807	7.7409	220.70	38.786	.20196
#2	.00802	.11806	.21927	7.7433	226.86	38.907	.20353
#3	.00803	.11858	.22058	7.7565	229.89	38.872	.20308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**82.676**	**4.8362**	**.15713**	**16.837**	**.18727**	F **53090.**	**.61498**
Stddev	.340	.0141	.00061	.070	.00101	36.	.00194
%RSD	.41076	.29253	.38975	.41719	.53884	.06873	.31585
#1	82.318	4.8237	.15664	16.766	.18750	53058.	.61298
#2	82.715	4.8333	.15782	16.839	.18815	53082.	.61686
#3	82.994	4.8516	.15695	16.906	.18617	53130.	.61509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103090840 Acquired: 3/31/2011 17:33:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.216**	F **541.46**	F **2253.8**	**.00775**	**.01030**	F **255.36**	**.02366**
Stddev	.323	1.06	1.9	.00216	.00333	1.72	.00034
%RSD	.48780	.19573	.08557	27.914	32.288	.67261	1.4249
#1	-65.856	541.18	2253.8	.01017	.01405	253.46	.02330
#2	-66.480	540.57	2251.8	.00709	.00916	255.83	.02397
#3	-66.313	542.63	2255.7	.00600	.00770	256.80	.02371
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5686**	**.82215**	**.00692**	**.31465**	**1.6406**	F **121.14**
Stddev	.0047	.00135	.00043	.00116	.0026	1.00
%RSD	.29712	.16372	6.1783	.36887	.16065	.82678
#1	1.5635	.82115	.00738	.31345	1.6397	120.07
#2	1.5696	.82162	.00685	.31473	1.6385	121.32
#3	1.5726	.82368	.00653	.31577	1.6436	122.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63823.**	**67674.**
Stddev	104.	206.
%RSD	.16248	.30441
#1	63803.	67903.
#2	63935.	67612.
#3	63731.	67506.

Approved: April 01, 2011

Sample Name: L1103099501 Acquired: 3/31/2011 17:37:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**226.86**	**.66043**	**.33821**	**.94501**	**.01867**	**62.430**
Stddev	.00057	4.15	.00301	.00186	.00330	.00008	.003
%RSD	15.722	1.8305	.45530	.54915	.34967	.43041	.00450
#1	.00426	228.38	.66386	.33610	.94665	.01869	62.429
#2	.00322	222.16	.65824	.33959	.94121	.01858	62.433
#3	.00335	230.04	.65920	.33894	.94717	.01874	62.428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01200**	**.40030**	**.40457**	**.88112**	F **919.62**	**18.389**	**.45294**
Stddev	.00014	.00156	.00199	.00577	5.11	.029	.00048
%RSD	1.2010	.38908	.49306	.65474	.55621	.15705	.10502
#1	.01187	.40201	.40670	.88601	914.43	18.360	.45245
#2	.01196	.39895	.40275	.87476	919.77	18.388	.45340
#3	.01216	.39994	.40427	.88259	924.66	18.418	.45298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					900.00		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.474**	**7.6539**	**.07686**	**2.7712**	**.75870**	F **31329.**	**.38340**
Stddev	.173	.0055	.00030	.0072	.00155	44.	.00241
%RSD	.17586	.07117	.39336	.25791	.20477	.13990	.62865
#1	98.291	7.6519	.07667	2.7782	.76028	31378.	.38530
#2	98.635	7.6601	.07721	2.7715	.75717	31294.	.38421
#3	98.496	7.6498	.07671	2.7639	.75865	31316.	.38069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099501 Acquired: 3/31/2011 17:37:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.839**	F **14233.**	F **105080.**	**.01508**	**.01066**	F **398.14**	**.01858**
Stddev	8.459	63.	525.	.00442	.00231	6.98	.00023
%RSD	15.424	.44587	.49936	29.288	21.705	1.7543	1.2569
#1	-47.727	14281.	104580.	.01827	.01067	403.34	.01870
#2	-52.599	14256.	105030.	.01692	.00834	400.88	.01832
#3	-64.193	14161.	105630.	.01004	.01297	390.20	.01873
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32173**	**.28910**	**.01934**	**.43377**	**2.0722**	F **160.40**
Stddev	.00080	.00027	.00151	.00046	.0032	.86
%RSD	.24802	.09206	7.8181	.10501	.15574	.53709
#1	.32207	.28900	.02021	.43420	2.0740	161.32
#2	.32230	.28940	.01760	.43329	2.0685	160.28
#3	.32081	.28889	.02023	.43382	2.0741	159.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63296.**	**67073.**
Stddev	255.	352.
%RSD	.40238	.52465
#1	63127.	66946.
#2	63589.	66803.
#3	63171.	67471.

Approved: April 01, 2011

Sample Name: L1103099501PS Acquired: 3/31/2011 17:41:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20964**	**212.75**	**.79692**	**1.2075**	**1.3281**	**.04214**	**61.712**
Stddev	.00093	.82	.00412	.0158	.0031	.00022	.233
%RSD	.44564	.38644	.51746	1.3117	.23289	.52929	.37710
#1	.20856	213.60	.79217	1.1956	1.3248	.04212	61.509
#2	.21013	212.68	.79952	1.2255	1.3285	.04193	61.660
#3	.21022	211.96	.79908	1.2015	1.3309	.04237	61.966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03545**	**.45836**	**.60851**	**1.0244**	**850.63**	**39.497**	**.88328**
Stddev	.00024	.00091	.00196	.0041	27.17	.156	.00159
%RSD	.68190	.19886	.32157	.40048	3.1938	.39575	.17957
#1	.03522	.45755	.60971	1.0199	830.38	39.399	.88153
#2	.03571	.45935	.60625	1.0252	881.51	39.414	.88371
#3	.03542	.45818	.60957	1.0280	840.02	39.677	.88461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**94.287**	**7.1921**	**.58959**	**26.228**	**.91581**	F **28594.**	**.56806**
Stddev	.248	.0054	.00201	.113	.00145	52.	.00162
%RSD	.26278	.07567	.34138	.42956	.15829	.18240	.28591
#1	94.006	7.1859	.59048	26.173	.91562	28534.	.56822
#2	94.473	7.1961	.59100	26.155	.91734	28618.	.56960
#3	94.383	7.1943	.58728	26.358	.91446	28629.	.56636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099501PS Acquired: 3/31/2011 17:41:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.277**	F **13017.**	F **97614.**	**.60612**	**.20671**	F **697.05**	**.01795**
Stddev	3.094	69.	819.	.00311	.00375	5.26	.00028
%RSD	5.2197	.53353	.83940	.51371	1.8152	.75504	1.5619
#1	-61.996	12943.	98533.	.60256	.20445	698.46	.01767
#2	-59.925	13025.	96959.	.60747	.20463	701.46	.01823
#3	-55.910	13081.	97351.	.60834	.21104	691.22	.01795
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75487**	**.75457**	**.23603**	**.89965**	**2.3320**	F **149.28**
Stddev	.00302	.00121	.00136	.00423	.0064	.53
%RSD	.40033	.16084	.57506	.46990	.27417	.35688
#1	.75338	.75317	.23499	.89648	2.3357	149.03
#2	.75287	.75532	.23553	.89803	2.3356	148.93
#3	.75834	.75521	.23756	.90445	2.3246	149.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63630.**	**66818.**
Stddev	132.	294.
%RSD	.20774	.44028
#1	63765.	66766.
#2	63625.	66553.
#3	63501.	67135.

Approved: April 01, 2011

Sample Name: L1103099501DL Acquired: 3/31/2011 17:44:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360505-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**55.135**	**.14314**	**.07565**	**.19182**	**.00391**	**12.846**
Stddev	.00029	.269	.00096	.00100	.00036	.00001	.025
%RSD	51.915	.48828	.67120	1.3225	.18609	.31845	.19384
#1	.00082	55.362	.14261	.07617	.19141	.00391	12.872
#2	.00058	55.205	.14424	.07449	.19199	.00392	12.822
#3	.00025	54.837	.14255	.07628	.19206	.00389	12.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	**.08932**	**.08543**	**.19727**	**203.56**	**3.9221**	**.09284**
Stddev	.00008	.00040	.00048	.00054	1.17	.0198	.00107
%RSD	3.1466	.44696	.55939	.27488	.57487	.50575	1.1540
#1	.00263	.08919	.08541	.19680	203.11	3.9199	.09406
#2	.00248	.08899	.08592	.19714	202.69	3.9429	.09203
#3	.00260	.08976	.08497	.19786	204.89	3.9034	.09245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.344**	**1.6258**	**.01559**	**.59039**	**.16942**	F **7108.8**	**.08749**
Stddev	.059	.0009	.00016	.00424	.00146	57.1	.00141
%RSD	.27750	.05727	1.0458	.71769	.86346	.80257	1.6061
#1	21.406	1.6258	.01551	.58794	.16900	7059.9	.08652
#2	21.288	1.6248	.01548	.59528	.16822	7095.0	.08686
#3	21.339	1.6267	.01578	.58795	.17105	7171.5	.08911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099501DL Acquired: 3/31/2011 17:44:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360505-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-25.900**	F **3684.8**	F **24854.**	**.00067**	**.00195**	F **90.031**	**.00376**
Stddev	1.430	11.8	21.	.00133	.00151	2.002	.00017
%RSD	5.5214	.32153	.08388	197.94	77.641	2.2240	4.4737
#1	-24.914	3691.9	24831.	-.00029	.00020	90.844	.00388
#2	-27.540	3691.3	24872.	.00012	.00277	91.499	.00384
#3	-25.247	3671.1	24858.	.00219	.00287	87.750	.00357
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06639**	**.06199**	**.00475**	**.09111**	**.45571**	**28.178**
Stddev	.00017	.00016	.00075	.00043	.00054	.047
%RSD	.25168	.25120	15.723	.47734	.11943	.16607
#1	.06646	.06201	.00406	.09087	.45509	28.193
#2	.06620	.06214	.00555	.09161	.45605	28.125
#3	.06651	.06183	.00465	.09084	.45600	28.215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67372.**	**67726.**
Stddev	93.	297.
%RSD	.13862	.43804
#1	67471.	67691.
#2	67286.	68039.
#3	67357.	67449.

Approved: April 01, 2011

Sample Name: L1103099501DL Acquired: 3/31/2011 17:48:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360505-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**11.495**	**.03027**	**.01513**	**.03786**	**.00074**	**2.5202**
Stddev	.00030	.020	.00042	.00046	.00010	.00001	.0108
%RSD	126.92	.17280	1.3754	3.0121	.27507	1.3535	.42787
#1	-.00056	11.516	.03075	.01467	.03795	.00073	2.5137
#2	-.00021	11.477	.03001	.01516	.03789	.00074	2.5327
#3	.00005	11.491	.03004	.01558	.03774	.00075	2.5143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.01783**	**.01645**	**.03915**	**40.625**	**.80068**	**.01849**
Stddev	.00005	.00009	.00029	.00048	.133	.00658	.00018
%RSD	13.445	.52341	1.7592	1.2265	.32648	.82132	.96065
#1	.00031	.01794	.01650	.03859	40.664	.79968	.01834
#2	.00031	.01779	.01672	.03946	40.477	.80770	.01844
#3	.00039	.01777	.01614	.03939	40.733	.79466	.01869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2663**	**.32296**	**.00277**	**.12478**	**.03338**	F **1439.0**	**.01900**
Stddev	.0129	.00054	.00018	.00408	.00033	10.6	.00015
%RSD	.30252	.16736	6.6768	3.2729	.99746	.73674	.80712
#1	4.2778	.32322	.00267	.12014	.03329	1428.8	.01893
#2	4.2523	.32234	.00266	.12783	.03310	1438.3	.01917
#3	4.2686	.32332	.00298	.12637	.03375	1450.0	.01888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099501DL Acquired: 3/31/2011 17:48:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360505-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.981**	F **746.15**	F **5036.5**	**-.00329**	**-.00202**	**16.256**	**.00052**
Stddev	3.305	3.28	6.5	.00055	.00146	.270	.00010
%RSD	19.466	.43987	.12916	16.781	72.065	1.6633	19.204
#1	-13.347	744.20	5032.9	-.00391	-.00290	16.510	.00041
#2	-17.787	744.30	5032.6	-.00284	-.00034	16.286	.00060
#3	-19.808	749.94	5044.0	-.00312	-.00282	15.971	.00055
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01301**	**.01246**	**.00292**	**.01710**	**.09222**	**2.1569**
Stddev	.00005	.00033	.00037	.00005	.00011	.1792
%RSD	.40475	2.6254	12.630	.32029	.12099	8.3079
#1	.01307	.01236	.00331	.01710	.09210	2.3376
#2	.01298	.01219	.00286	.01716	.09231	2.1537
#3	.01297	.01282	.00258	.01705	.09227	1.9793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68732.**	**65799.**
Stddev	218.	623.
%RSD	.31744	.94727
#1	68942.	65501.
#2	68747.	66515.
#3	68507.	65381.

Approved: April 01, 2011

Sample Name: L1103099503 Acquired: 3/31/2011 17:51:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**188.83**	**.24288**	**.26694**	**23.516**	**.01718**	**230.11**
Stddev	.00019	2.94	.00167	.00365	.243	.00003	.41
%RSD	1.5120	1.5545	.68835	1.3689	1.0326	.19828	.17795
#1	.01254	185.89	.24278	.26298	23.564	.01714	229.66
#2	.01293	191.76	.24460	.27018	23.253	.01721	230.45
#3	.01272	188.84	.24126	.26766	23.732	.01718	230.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02491**	**.27456**	**.45437**	**1.3095**	**548.25**	**53.935**	**.39106**
Stddev	.00006	.00112	.00105	.0050	6.85	.120	.00167
%RSD	.26045	.40611	.23217	.38001	1.2499	.22198	.42584
#1	.02484	.27468	.45317	1.3131	541.59	53.817	.39073
#2	.02494	.27562	.45477	1.3117	555.28	53.931	.38958
#3	.02496	.27340	.45517	1.3038	547.87	54.057	.39286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.78**	**9.6937**	**.31621**	**142.71**	**.78018**	F **22178.**	**.92950**
Stddev	.32	.0090	.00036	1.21	.00329	63.	.00299
%RSD	.30893	.09271	.11339	.84805	.42166	.28223	.32169
#1	102.42	9.6849	.31620	143.37	.78189	22203.	.92944
#2	102.98	9.6934	.31657	141.32	.78227	22224.	.93251
#3	102.95	9.7028	.31585	143.46	.77639	22107.	.92653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099503 Acquired: 3/31/2011 17:51:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-67.237**	F **3554.4**	F **23045.**	**.03519**	**.03727**	F **465.61**	**.01611**
Stddev	6.376	16.9	46.	.00009	.00297	6.34	.00034
%RSD	9.4822	.47627	.20041	.24345	7.9595	1.3625	2.1341
#1	-74.287	3569.0	23090.	.03518	.04048	469.29	.01651
#2	-61.876	3558.4	23048.	.03511	.03463	469.25	.01591
#3	-65.548	3535.8	22998.	.03528	.03668	458.28	.01591
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8051**	**.98360**	**.03491**	**.59317**	**2.3533**	F **173.03**
Stddev	.0012	.00093	.00043	.00173	.0058	.55
%RSD	.06466	.09482	1.2356	.29143	.24624	.31580
#1	1.8042	.98268	.03442	.59120	2.3507	172.64
#2	1.8064	.98358	.03507	.59440	2.3599	172.80
#3	1.8046	.98455	.03524	.59393	2.3492	173.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60811.**	**65880.**
Stddev	157.	254.
%RSD	.25847	.38545
#1	60870.	65907.
#2	60632.	65614.
#3	60930.	66120.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 17:55:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43731**	**10.469**	**.41823**	**.52617**	**.97012**	**.05196**	**9.5303**
Stddev	.00323	.060	.00211	.00304	.00657	.00046	.0551
%RSD	.73859	.57555	.50532	.57785	.67680	.88808	.57796
#1	.43700	10.467	.41931	.52616	.96318	.05198	9.4827
#2	.44068	10.531	.41958	.52921	.97094	.05242	9.5175
#3	.43424	10.410	.41579	.52313	.97623	.05149	9.5906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05311**	**.21235**	**.50882**	**.52619**	**3.9126**	**47.611**	**.98194**
Stddev	.00017	.00103	.00451	.00200	.0239	.284	.00333
%RSD	.31725	.48572	.88577	.38089	.61029	.59583	.33938
#1	.05329	.21285	.50829	.52749	3.8926	47.349	.97888
#2	.05308	.21304	.51357	.52720	3.9063	47.571	.98146
#3	.05295	.21117	.50460	.52388	3.9390	47.912	.98549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8315**	**.49606**	F **1.1083**	**49.486**	**.51157**	F **5.1093**	**.51974**
Stddev	.0341	.00173	.0003	.157	.00095	2.7221	.00280
%RSD	.34660	.34843	.02588	.31686	.18490	53.277	.53781
#1	9.7990	.49560	1.1085	49.385	.51203	3.2772	.51919
#2	9.8286	.49460	1.1080	49.407	.51220	3.8135	.51726
#3	9.8669	.49797	1.1085	49.667	.51048	8.2371	.52276
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 17:55:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.195**	**9.3914**	F **1.6164**	**1.3153**	**.42396**	F **720.85**	**1.0992**
Stddev	4.137	.0386	.3141	.0061	.00067	1.52	.0025
%RSD	36.952	.41064	19.434	.46696	.15860	.21073	.22506
#1	-7.3959	9.3469	1.7158	1.3082	.42410	720.98	1.0993
#2	-10.587	9.4160	1.8688	1.3192	.42455	722.30	1.1017
#3	-15.602	9.4112	1.2646	1.3185	.42323	719.27	1.0967
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96397**	**1.0486**	**.53181**	**1.0773**	**1.0363**	F **2.0392**
Stddev	.00439	.0037	.00170	.0065	.0015	.1111
%RSD	.45511	.34859	.32037	.60064	.14754	5.4484
#1	.96030	1.0459	.52987	1.0788	1.0371	1.9180
#2	.96278	1.0472	.53246	1.0830	1.0373	2.1363
#3	.96883	1.0528	.53309	1.0703	1.0345	2.0633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65298.**	**63076.**
Stddev	122.	234.
%RSD	.18676	.37042
#1	65282.	63159.
#2	65186.	63256.
#3	65428.	62812.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 17:58:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.01603**	**.00029**	**.00239**	**.00066**	**.00000**	**.01188**
Stddev	.00070	.00198	.00050	.00053	.00039	.0000	.00897
%RSD	243.97	12.356	175.93	22.067	59.636	699.55	75.475
#1	-.00109	.01478	-.00026	.00218	.00100	.00002	.01921
#2	.00015	.01500	.00037	.00200	.00075	.00000	.00188
#3	.00008	.01832	.00074	.00299	.00023	-.00003	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00006**	**-.00024**	**.00043**	**.01617**	**.18948**	**.00164**
Stddev	.00006	.00010	.00027	.00026	.00107	.04035	.00091
%RSD	332.94	168.51	115.63	60.652	6.6321	21.295	55.856
#1	.00008	.00015	-.00049	.00015	.01667	.22384	.00218
#2	.00000	.00007	-.00029	.00050	.01690	.14505	.00215
#3	-.00003	-.00005	.00006	.00066	.01494	.19956	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**-.00003**	**.00007**	**.03095**	**-.00022**	F **2.1695**	**.00109**
Stddev	.00431	.00035	.00015	.00364	.00031	2.6668	.00085
%RSD	270.24	1154.4	210.67	11.762	140.46	122.92	78.198
#1	-.00318	.00025	.00002	.03478	.00002	.82874	.00040
#2	.00518	-.00042	-.00005	.03053	-.00058	.43911	.00083
#3	.00279	.00008	.00025	.02754	-.00011	5.2407	.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 17:58:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.0952**	F **.23605**	F **1.3939**	**-.00153**	**-.00021**	**.16452**	**-.00024**
Stddev	5.4227	.01548	.1416	.00139	.00046	.07568	.00007
%RSD	88.967	6.5572	10.161	90.855	220.05	46.002	27.594
#1	-11.702	.22340	1.2591	-.00119	-.00034	.24650	-.00022
#2	-5.7051	.23144	1.5415	-.00307	-.00059	.14976	-.00032
#3	-.8781	.25331	1.3811	-.00034	.00030	.09731	-.00019
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00109**	**-.00056**	**.00000**	**-.00025**	**.07488**
Stddev	.00008	.00055	.00014	.0002	.00008	.15991
%RSD	271.38	50.753	25.743	4065.1	33.090	213.54
#1	-.00005	.00172	-.00071	.00008	-.00025	-.07098
#2	-.00010	.00082	-.00043	.00013	-.00033	.24587
#3	.00006	.00072	-.00053	-.00022	-.00017	.04977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66005.**	**62023.**
Stddev	217.	286.
%RSD	.32830	.46150
#1	66100.	62214.
#2	66158.	62160.
#3	65757.	61694.

Approved: April 01, 2011

Sample Name: L1103099901 0.1 Acquired: 3/31/2011 18:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 10 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**13.094**	**.22967**	**.04089**	**.60208**	**.00375**	**29.778**
Stddev	.00049	.050	.00120	.00042	.00286	.00001	.092
%RSD	35.172	.37878	.52130	1.0178	.47574	.23143	.30879
#1	.00157	13.055	.22965	.04060	.59952	.00375	29.688
#2	.00084	13.150	.22849	.04137	.60156	.00374	29.776
#3	.00178	13.078	.23088	.04071	.60517	.00376	29.872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**.01616**	**.03541**	**.06978**	**63.324**	**1.6483**	**.01830**
Stddev	.00004	.00008	.00040	.00018	.219	.0208	.00058
%RSD	1.5707	.48081	1.1261	.25083	.34530	1.2635	3.1600
#1	.00268	.01607	.03500	.06990	63.093	1.6706	.01859
#2	.00262	.01618	.03545	.06958	63.353	1.6294	.01867
#3	.00271	.01622	.03579	.06986	63.527	1.6448	.01763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9771**	**.32630**	**.01852**	**4.2593**	**.07632**	F **14124.**	**.03445**
Stddev	.0076	.00084	.00006	.0081	.00035	6.	.00061
%RSD	.19108	.25748	.33360	.19129	.45849	.04171	1.7631
#1	3.9694	.32534	.01858	4.2515	.07672	14120.	.03506
#2	3.9773	.32688	.01852	4.2585	.07606	14122.	.03384
#3	3.9846	.32669	.01846	4.2678	.07618	14131.	.03444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099901 0.1 Acquired: 3/31/2011 18:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 10 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-20.050**	F **376.19**	F **2317.5**	**-.00001**	**.00091**	**41.049**	**.00149**
Stddev	2.047	.13	1.8	.00060	.00107	.219	.00008
%RSD	10.208	.03583	.07717	12068.	117.82	.53274	5.5209
#1	-18.292	376.12	2315.5	-.00032	.00031	40.801	.00140
#2	-19.562	376.10	2318.2	.00069	.00215	41.130	.00157
#3	-22.297	376.34	2318.9	-.00038	.00028	41.215	.00149
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14451**	**.18930**	**.00439**	**.04134**	**.11922**	**17.167**
Stddev	.00035	.00138	.00032	.00033	.00005	.430
%RSD	.23937	.72861	7.3458	.79516	.04332	2.5068
#1	.14422	.18773	.00411	.04158	.11919	17.652
#2	.14442	.19033	.00431	.04146	.11928	17.018
#3	.14489	.18985	.00474	.04096	.11919	16.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67967.**	**66897.**
Stddev	74.	531.
%RSD	.10820	.79308
#1	67939.	67486.
#2	67912.	66746.
#3	68051.	66458.

Approved: April 01, 2011

Sample Name: L1103099903 Acquired: 3/31/2011 18:05:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01215**	**162.57**	**.46074**	**.31777**	**14.851**	**.01286**	**279.70**
Stddev	.00036	1.16	.00274	.00359	.196	.00006	2.02
%RSD	2.9646	.71319	.59448	1.1305	1.3207	.46186	.72106
#1	.01173	161.26	.46252	.31659	14.899	.01288	281.90
#2	.01237	162.96	.45759	.31492	14.636	.01279	277.95
#3	.01235	163.47	.46212	.32180	15.019	.01290	279.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02798**	**.28759**	**.51673**	**2.9052**	**552.25**	**39.701**	**.45514**
Stddev	.00007	.00123	.00379	.0114	3.37	.272	.00156
%RSD	.23398	.42770	.73344	.39085	.61055	.68397	.34283
#1	.02791	.28892	.51938	2.9180	550.68	40.012	.45502
#2	.02799	.28649	.51238	2.8963	549.95	39.573	.45365
#3	.02804	.28737	.51841	2.9013	556.12	39.516	.45676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.471**	**6.3563**	**.76713**	**57.894**	**1.4102**	F **13487.**	**2.1263**
Stddev	.233	.0246	.00121	.443	.0045	28.	.0036
%RSD	.28623	.38745	.15838	.76589	.31758	.21063	.16950
#1	81.661	6.3833	.76657	58.384	1.4154	13520.	2.1300
#2	81.211	6.3351	.76852	57.779	1.4070	13467.	2.1228
#3	81.541	6.3507	.76628	57.520	1.4084	13475.	2.1262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103099903 Acquired: 3/31/2011 18:05:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.882**	F **7282.5**	F **49395.**	**.09466**	**.05437**	F **908.28**	**.01020**
Stddev	10.685	57.7	95.	.00061	.00039	5.67	.00030
%RSD	16.218	.79280	.19183	.64434	.71608	.62378	2.9170
#1	-74.343	7345.4	49487.	.09408	.05432	912.72	.01052
#2	-69.428	7231.8	49298.	.09530	.05478	910.23	.00993
#3	-53.875	7270.4	49399.	.09459	.05400	901.90	.01014
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8179**	**.13670**	**.05520**	**.53113**	**2.2344**	**15.430**
Stddev	.0173	.00073	.00057	.00323	.0037	.132
%RSD	.94919	.53568	1.0305	.60848	.16411	.85823
#1	1.8369	.13753	.05521	.53483	2.2386	15.553
#2	1.8136	.13615	.05577	.52888	2.2325	15.290
#3	1.8033	.13643	.05463	.52968	2.2320	15.446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60556.**	**65775.**
Stddev	290.	699.
%RSD	.47859	1.0621
#1	60247.	64973.
#2	60822.	66250.
#3	60599.	66103.

Approved: April 01, 2011

Sample Name: L1103100201 Acquired: 3/31/2011 18:09:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04883**	**76.987**	**6.0796**	**.40403**	**30.704**	**.01193**	F **1721.2**
Stddev	.00029	.502	.0568	.00045	.300	.00003	11.7
%RSD	.58824	.65266	.93407	.11254	.97559	.23080	.68196
#1	.04853	77.316	6.1115	.40382	30.921	.01196	1721.0
#2	.04886	77.236	6.1134	.40372	30.830	.01190	1733.0
#3	.04910	76.409	6.0141	.40455	30.363	.01193	1709.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09664**	**.15105**	**.49554**	**2.6663**	**409.64**	**29.990**	**.52339**
Stddev	.00120	.00184	.00198	.0323	2.27	.043	.00125
%RSD	1.2435	1.2166	.39901	1.2093	.55482	.14202	.23870
#1	.09755	.15154	.49781	2.6830	407.16	29.943	.52476
#2	.09710	.15259	.49418	2.6868	410.15	30.025	.52232
#3	.09528	.14902	.49463	2.6292	411.62	30.002	.52309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.990**	**33.265**	**.17922**	**42.374**	**.54069**	F **55798.**	**16.242**
Stddev	.642	.401	.00222	.060	.00807	587.	.138
%RSD	.69042	1.2053	1.2384	.14254	1.4929	1.0526	.85123
#1	92.268	32.858	.18101	42.338	.54468	56105.	16.319
#2	93.203	33.660	.17991	42.444	.54599	56169.	16.324
#3	93.498	33.277	.17674	42.340	.53140	55121.	16.082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103100201 Acquired: 3/31/2011 18:09:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.620**	F **6869.6**	F **29953.**	**.37470**	**.03147**	F **1077.2**	**.00856**
Stddev	5.583	44.1	163.	.00562	.00122	54.7	.00030
%RSD	8.9165	.64167	.54392	1.5000	3.8718	5.0777	3.5389
#1	-66.122	6881.3	30051.	.37797	.03021	1123.5	.00883
#2	-56.181	6906.6	30044.	.37793	.03154	1091.1	.00823
#3	-65.556	6820.8	29765.	.36821	.03265	1016.8	.00860
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.373**	**.25966**	**.05110**	**.25986**	**7.3475**	**21.961**
Stddev	.168	.00265	.00144	.00124	.0767	.086
%RSD	.55343	1.0222	2.8210	.47567	1.0436	.39362
#1	30.204	.26188	.05004	.26070	7.3937	22.060
#2	30.540	.25672	.05274	.26043	7.3899	21.903
#3	30.375	.26036	.05051	.25844	7.2590	21.919
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**54554.**	**63704.**
Stddev	139.	539.
%RSD	.25538	.84619
#1	54472.	64326.
#2	54475.	63370.
#3	54715.	63416.

Approved: April 01, 2011

Sample Name: L1103100401 Acquired: 3/31/2011 18:13:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00593**	**128.15**	**.28929**	**.21627**	**3.3086**	**.01199**	**388.35**
Stddev	.00027	1.21	.00087	.00150	.0267	.00004	7.05
%RSD	4.5139	.94458	.30170	.69262	.80598	.31435	1.8157
#1	.00595	126.76	.28981	.21732	3.2806	.01195	393.99
#2	.00619	128.77	.28828	.21455	3.3117	.01202	380.44
#3	.00565	128.93	.28977	.21693	3.3336	.01200	390.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.15437**	**.23294**	**.46935**	**352.96**	**21.110**	**.30203**
Stddev	.00012	.00020	.00176	.00121	2.81	.160	.00134
%RSD	1.0170	.13042	.75510	.25744	.79684	.76008	.44231
#1	.01125	.15414	.23390	.46813	353.27	20.946	.30063
#2	.01125	.15453	.23401	.46936	350.00	21.116	.30328
#3	.01145	.15445	.23091	.47055	355.60	21.267	.30219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**62.252**	**7.1692**	**.02610**	**80.453**	**.33820**	F **12147.**	**.29706**
Stddev	.417	.0201	.00005	.497	.00072	12.	.00098
%RSD	.67019	.27986	.18506	.61761	.21342	.10143	.32957
#1	62.155	7.1608	.02605	79.895	.33782	12136.	.29815
#2	61.893	7.1547	.02615	80.615	.33903	12160.	.29681
#3	62.710	7.1921	.02610	80.849	.33775	12143.	.29624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103100401 Acquired: 3/31/2011 18:13:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.253**	F **1586.0**	F **8384.6**	**.00871**	**.00399**	F **8201.1**	**.01264**
Stddev	11.565	4.1	6.9	.00127	.00068	127.5	.00022
%RSD	20.930	.25988	.08219	14.635	17.022	1.5542	1.7658
#1	-51.750	1581.6	8376.7	.00935	.00352	8272.7	.01239
#2	-68.164	1586.7	8388.1	.00952	.00476	8276.6	.01282
#3	-45.845	1589.8	8389.0	.00724	.00368	8053.9	.01270
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6438**	**.82729**	**.00858**	**.25120**	**1.1607**	F **164.23**
Stddev	.0105	.00375	.00105	.00042	.0017	1.01
%RSD	.63757	.45309	12.269	.16715	.14586	.61764
#1	1.6318	.82405	.00893	.25161	1.1602	164.97
#2	1.6494	.82642	.00740	.25077	1.1626	164.64
#3	1.6504	.83140	.00941	.25124	1.1594	163.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61206.**	**64668.**
Stddev	92.	632.
%RSD	.14982	.97686
#1	61138.	64224.
#2	61170.	65391.
#3	61310.	64388.

Approved: April 01, 2011

Sample Name: L1103100403 Acquired: 3/31/2011 18:17:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00821**	**157.81**	**.31810**	**.27382**	**3.3402**	**.01028**	**379.30**
Stddev	.00071	.84	.00348	.00295	.0156	.00004	1.70
%RSD	8.6110	.53226	1.0926	1.0783	.46638	.42945	.44800
#1	.00853	157.48	.32068	.27044	3.3238	.01031	377.35
#2	.00740	157.19	.31415	.27511	3.3419	.01023	380.11
#3	.00870	158.77	.31948	.27590	3.3549	.01029	380.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.20746**	**.39885**	**.71101**	**486.48**	**22.704**	**.43911**
Stddev	.00009	.00031	.00254	.00207	6.45	.087	.00240
%RSD	.83777	.15083	.63778	.29115	1.3251	.38309	.54713
#1	.01085	.20777	.40150	.71229	479.13	22.627	.43797
#2	.01103	.20715	.39643	.70863	489.15	22.688	.43748
#3	.01098	.20745	.39861	.71213	491.17	22.798	.44187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**70.794**	**7.5537**	**.03762**	**32.703**	**.50817**	F **13472.**	**.36326**
Stddev	.241	.0108	.00005	.087	.00074	46.	.00226
%RSD	.34058	.14304	.14447	.26702	.14638	.34287	.62190
#1	70.520	7.5415	.03756	32.744	.50776	13480.	.36568
#2	70.892	7.5619	.03766	32.603	.50772	13423.	.36120
#3	70.971	7.5576	.03765	32.762	.50903	13514.	.36289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103100403 Acquired: 3/31/2011 18:17:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.632**	F **2454.3**	F **14545.**	**.01383**	**.00417**	F **6376.2**	**.01210**
Stddev	5.344	8.3	17.	.00238	.00229	106.7	.00004
%RSD	9.9634	.33987	.11827	17.245	54.972	1.6739	.37114
#1	-57.699	2459.6	14563.	.01109	.00445	6442.3	.01211
#2	-47.580	2444.7	14529.	.01540	.00175	6433.3	.01205
#3	-55.616	2458.6	14542.	.01501	.00631	6253.1	.01214
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1826**	**.85730**	**.01410**	**.32744**	**1.3898**	F **162.06**
Stddev	.0018	.00175	.00009	.00085	.0040	1.08
%RSD	.15054	.20390	.63243	.25955	.28405	.66536
#1	1.1826	.85710	.01404	.32712	1.3927	162.88
#2	1.1807	.85567	.01420	.32680	1.3853	160.84
#3	1.1843	.85915	.01407	.32841	1.3914	162.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60747.**	**63690.**
Stddev	223.	304.
%RSD	.36665	.47730
#1	60581.	63339.
#2	61000.	63866.
#3	60660.	63866.

Approved: April 01, 2011

Sample Name: L1103100601 Acquired: 3/31/2011 18:20:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01235**	**54.867**	**.47244**	**.30629**	**12.946**	**.00891**	**522.09**
Stddev	.00042	.145	.00260	.00859	.215	.00002	7.96
%RSD	3.4167	.26508	.55117	2.8059	1.6593	.24316	1.5240
#1	.01238	54.714	.47503	.29701	12.887	.00891	521.02
#2	.01191	55.004	.46982	.31397	13.184	.00888	530.53
#3	.01276	54.881	.47248	.30791	12.767	.00893	514.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05118**	**.22678**	**.20427**	**2.1582**	**364.48**	**24.181**	**.25955**
Stddev	.00004	.00107	.00126	.0131	14.06	.083	.00030
%RSD	.06923	.47362	.61520	.60461	3.8568	.34184	.11518
#1	.05117	.22802	.20519	2.1733	349.56	24.086	.25971
#2	.05116	.22627	.20284	2.1515	377.48	24.231	.25974
#3	.05122	.22606	.20478	2.1499	366.42	24.227	.25921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.796**	**6.3715**	**1.3107**	**34.017**	**1.4744**	F **15561.**	**1.3554**
Stddev	.331	.0164	.0025	.083	.0048	48.	.0023
%RSD	.70633	.25823	.19124	.24285	.32527	.30984	.16931
#1	46.415	6.3528	1.3101	33.970	1.4796	15611.	1.3579
#2	47.000	6.3839	1.3135	34.113	1.4735	15557.	1.3535
#3	46.973	6.3777	1.3086	33.970	1.4701	15515.	1.3548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103100601 Acquired: 3/31/2011 18:20:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-51.753**	F **8297.8**	F **55192.**	**.11590**	**.10463**	F **1280.7**	**.00840**
Stddev	4.023	73.4	111.	.00240	.00146	29.5	.00032
%RSD	7.7735	.88418	.20197	2.0711	1.3952	2.2997	3.8083
#1	-53.060	8382.5	55320.	.11866	.10331	1301.9	.00822
#2	-47.239	8255.9	55120.	.11481	.10439	1293.1	.00822
#3	-54.960	8255.0	55135.	.11424	.10620	1247.1	.00877
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4390**	**.24754**	**.06453**	**.41950**	**3.0772**	F **53.922**
Stddev	.0066	.00083	.00058	.00149	.0098	.486
%RSD	.27129	.33479	.89239	.35552	.31862	.90173
#1	2.4398	.24849	.06461	.42112	3.0855	54.117
#2	2.4452	.24710	.06506	.41819	3.0797	53.369
#3	2.4320	.24702	.06392	.41918	3.0664	54.281
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61500.**	**66290.**
Stddev	169.	719.
%RSD	.27514	1.0844
#1	61304.	67120.
#2	61590.	65903.
#3	61604.	65848.

Approved: April 01, 2011

Sample Name: L1103100801 Acquired: 3/31/2011 18:24:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01414**	**164.80**	**.24260**	**.31116**	**2.9045**	**.01392**	**864.12**
Stddev	.00052	1.21	.00123	.00092	.0151	.00004	6.28
%RSD	3.6506	.73155	.50544	.29661	.51976	.30770	.72623
#1	.01371	166.12	.24221	.31033	2.8936	.01396	869.37
#2	.01399	164.53	.24161	.31100	2.8982	.01391	857.17
#3	.01471	163.76	.24397	.31216	2.9218	.01388	865.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01678**	**.16489**	**.32190**	**.54597**	**414.89**	**25.263**	**.39329**
Stddev	.00007	.00022	.00234	.00278	2.66	.119	.00126
%RSD	.43602	.13644	.72738	.50973	.64231	.47082	.32152
#1	.01674	.16510	.32456	.54918	411.87	25.150	.39363
#2	.01686	.16465	.32014	.54436	416.92	25.253	.39189
#3	.01673	.16492	.32100	.54437	415.88	25.387	.39435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**82.674**	**11.850**	**.05519**	**56.235**	**.42575**	F **18743.**	**.26560**
Stddev	.592	.024	.00016	.105	.00053	9.	.00042
%RSD	.71649	.19910	.29238	.18729	.12543	.04595	.15897
#1	82.087	11.827	.05512	56.120	.42634	18745.	.26539
#2	82.664	11.847	.05537	56.259	.42560	18751.	.26532
#3	83.271	11.874	.05507	56.327	.42530	18734.	.26608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103100801 Acquired: 3/31/2011 18:24:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.211**	F **2246.7**	F **9765.1**	**.01167**	**.00763**	F **15052.**	**.01878**
Stddev	2.091	5.5	2.0	.00119	.00330	383.	.00023
%RSD	3.8572	.24573	.02061	10.173	43.259	2.5474	1.2280
#1	-55.616	2253.0	9763.1	.01194	.00442	15281.	.01897
#2	-51.808	2244.8	9765.1	.01270	.01102	15266.	.01884
#3	-55.208	2242.4	9767.1	.01037	.00745	14610.	.01852
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6502**	**1.7153**	**.01509**	**.40307**	**1.5986**	F **264.73**
Stddev	.0026	.0060	.00028	.00106	.0043	1.94
%RSD	.09961	.35071	1.8365	.26320	.27236	.73106
#1	2.6485	1.7095	.01485	.40420	1.6036	266.78
#2	2.6489	1.7148	.01502	.40210	1.5956	262.94
#3	2.6533	1.7215	.01539	.40289	1.5967	264.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60358.**	**64276.**
Stddev	286.	380.
%RSD	.47359	.59050
#1	60032.	64697.
#2	60477.	64171.
#3	60565.	63960.

Approved: April 01, 2011

Sample Name: L1103100803 Acquired: 3/31/2011 18:28:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**116.58**	**.18845**	**.19133**	**1.8125**	**.01466**	**142.64**
Stddev	.00042	1.39	.00143	.00342	.0024	.00010	.21
%RSD	29.282	1.1901	.75665	1.7858	.13072	.68337	.14634
#1	.00191	116.76	.18703	.18743	1.8139	.01457	142.55
#2	.00129	115.12	.18988	.19378	1.8138	.01463	142.88
#3	.00111	117.87	.18845	.19280	1.8098	.01477	142.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00685**	**.14522**	**.17622**	**.39387**	**323.55**	**21.078**	**.30864**
Stddev	.00002	.00029	.00197	.00165	4.43	.053	.00060
%RSD	.22614	.20229	1.1184	.41987	1.3705	.25031	.19327
#1	.00685	.14489	.17462	.39221	318.44	21.066	.30855
#2	.00686	.14535	.17563	.39387	326.30	21.136	.30927
#3	.00683	.14543	.17842	.39552	325.93	21.032	.30809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.465**	**8.6317**	**.07574**	**97.248**	**.36199**	F **12060.**	**.33620**
Stddev	.104	.0149	.00028	.125	.00086	26.	.00093
%RSD	.18741	.17267	.36348	.12833	.23757	.21203	.27649
#1	55.485	8.6305	.07544	97.135	.36153	12032.	.33543
#2	55.558	8.6472	.07580	97.382	.36298	12068.	.33724
#3	55.353	8.6175	.07598	97.228	.36145	12081.	.33594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103100803 Acquired: 3/31/2011 18:28:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.765**	F **2593.6**	F **16993.**	**.01257**	**.00707**	F **695.99**	**.01381**
Stddev	7.947	14.6	23.	.00157	.00251	8.34	.00032
%RSD	17.754	.56229	.13482	12.499	35.460	1.1984	2.3138
#1	-36.018	2577.4	16967.	.01226	.00995	688.93	.01373
#2	-51.542	2605.7	17010.	.01427	.00542	693.83	.01417
#3	-46.734	2597.8	17003.	.01118	.00583	705.19	.01354
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1414**	**.21681**	**.00972**	**.19115**	**1.0340**	F **56.297**
Stddev	.0022	.00122	.00061	.00138	.0010	.841
%RSD	.19710	.56418	6.3191	.72225	.09461	1.4938
#1	1.1396	.21760	.01035	.19058	1.0331	55.785
#2	1.1439	.21742	.00967	.19014	1.0340	55.838
#3	1.1407	.21540	.00913	.19272	1.0350	57.268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63019.**	**64763.**
Stddev	104.	351.
%RSD	.16500	.54175
#1	63087.	64493.
#2	63070.	64635.
#3	62899.	65159.

Approved: April 01, 2011

Sample Name: L1103101001 Acquired: 3/31/2011 18:32:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01648**	**75.718**	**1.9734**	**.33997**	**9.2060**	**.01167**	**423.94**
Stddev	.00025	.478	.0184	.00628	.1112	.00006	9.40
%RSD	1.5180	.63172	.93011	1.8486	1.2081	.54300	2.2164
#1	.01667	75.507	1.9837	.33378	9.2689	.01174	419.40
#2	.01657	75.381	1.9843	.34634	9.2716	.01164	434.74
#3	.01619	76.265	1.9522	.33978	9.0776	.01162	417.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08271**	**.27449**	**.14620**	**2.0811**	**483.18**	**36.182**	**.27556**
Stddev	.00076	.00396	.00016	.0274	7.97	.123	.00066
%RSD	.92370	1.4433	.11088	1.3172	1.6488	.34099	.23968
#1	.08300	.27726	.14639	2.0976	475.91	36.262	.27492
#2	.08329	.27626	.14609	2.0962	491.70	36.244	.27624
#3	.08185	.26995	.14614	2.0494	481.94	36.040	.27551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.240**	**14.199**	**1.7333**	**49.268**	**1.8001**	F **15042.**	**5.3146**
Stddev	.157	.008	.0275	.147	.0246	154.	.0479
%RSD	.28407	.05713	1.5862	.29742	1.3644	1.0230	.90164
#1	55.127	14.189	1.7489	49.413	1.8136	15109.	5.3450
#2	55.419	14.203	1.7494	49.120	1.8150	15150.	5.3394
#3	55.174	14.204	1.7015	49.272	1.7718	14865.	5.2593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103101001 Acquired: 3/31/2011 18:32:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.409**	F **9552.2**	F **64987.**	**.19526**	**.09820**	F **256.40**	**.01167**
Stddev	1.881	59.2	323.	.00464	.00293	5.14	.00026
%RSD	3.4572	.61956	.49638	2.3775	2.9880	2.0060	2.2183
#1	-53.107	9525.3	65135.	.19907	.09778	259.77	.01163
#2	-53.553	9511.3	65209.	.19662	.10132	258.94	.01195
#3	-56.565	9620.0	64617.	.19009	.09550	250.48	.01144
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.861**	**.13901**	**.08204**	**.34644**	**5.9251**	**27.476**
Stddev	.274	.00112	.00046	.00041	.0758	.226
%RSD	1.8437	.80266	.56625	.11849	1.2790	.82320
#1	15.131	.13940	.08227	.34686	5.9770	27.225
#2	14.869	.13988	.08235	.34642	5.9601	27.664
#3	14.583	.13775	.08151	.34604	5.8381	27.541
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60758.**	**65813.**
Stddev	128.	233.
%RSD	.21054	.35364
#1	60615.	65967.
#2	60862.	65545.
#3	60797.	65926.

Approved: April 01, 2011

Sample Name: L1103101201 Acquired: 3/31/2011 18:36:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**148.63**	**.25832**	**.20059**	**4.9177**	**.01388**	**151.10**
Stddev	.00041	4.67	.00335	.00420	.0910	.00052	.76
%RSD	101.21	3.1450	1.2981	2.0922	1.8502	3.7503	.50062
#1	.00079	146.60	.25676	.20536	5.0111	.01355	151.97
#2	.00047	145.31	.25604	.19747	4.8293	.01361	150.60
#3	-.00003	153.97	.26217	.19894	4.9126	.01448	150.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00581**	**.19172**	**.24235**	**.42659**	**399.36**	**18.874**	**.40206**
Stddev	.00010	.00032	.00977	.00379	4.20	.085	.00115
%RSD	1.6805	.16568	4.0302	.88762	1.0524	.45073	.28565
#1	.00572	.19177	.23729	.42448	402.48	18.963	.40287
#2	.00578	.19138	.23614	.42433	394.58	18.793	.40075
#3	.00591	.19201	.25360	.43096	401.02	18.868	.40257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**66.843**	**6.2351**	**.03648**	**55.139**	**.46995**	F **11244.**	**.39019**
Stddev	.237	.0138	.00001	.107	.14093	109.	.00406
%RSD	.35503	.22115	.02075	.19395	29.989	.96522	1.0409
#1	67.023	6.2351	.03648	55.252	.38903	11174.	.38818
#2	66.574	6.2214	.03649	55.039	.38813	11190.	.38752
#3	66.932	6.2489	.03649	55.127	.63268	11369.	.39486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103101201 Acquired: 3/31/2011 18:36:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.908**	F **2672.7**	F **17113.**	**.01226**	**.00502**	F **464.44**	**.01125**
Stddev	6.754	42.2	240.	.00193	.00255	10.77	.00034
%RSD	11.868	1.5776	1.4020	15.775	50.895	2.3197	3.0519
#1	-62.213	2651.3	16976.	.01183	.00424	457.15	.01165
#2	-59.207	2645.5	16973.	.01438	.00787	459.37	.01104
#3	-49.305	2721.2	17390.	.01059	.00294	476.82	.01107
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6746**	**.14710**	**.00949**	**.21939**	^ *****	F **53.754**
Stddev	.0044	.00101	.00052	.00826	-----	1.862
%RSD	.26470	.68621	5.4842	3.7659	-----	3.4637
#1	1.6797	.14750	.00956	.21476	.96488	52.654
#2	1.6716	.14785	.00894	.21448	.96168	52.704
#3	1.6725	.14595	.00997	.22893	^ -----	55.904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61274.**	**66431.**
Stddev	2096.	408.
%RSD	3.4212	.61447
#1	62395.	65982.
#2	62572.	66779.
#3	58856.	66533.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 18:39:59 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44024	10.453	.41813	.52315	.96009	.05190	9.4255
Stddev	.00174	.043	.00065	.00195	.00153	.00008	.0256
%RSD	.39513	.40914	.15476	.37300	.15925	.16241	.27209
#1	.44185	10.502	.41863	.52538	.95832	.05187	9.3999
#2	.44048	10.434	.41740	.52176	.96098	.05200	9.4512
#3	.43839	10.423	.41835	.52232	.96096	.05184	9.4254
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05299	.21194	.50522	.52238	3.8353	46.938	.97654
Stddev	.00019	.00056	.00127	.00175	.0097	.112	.00039
%RSD	.35154	.26323	.25046	.33419	.25390	.23929	.03961
#1	.05305	.21219	.50434	.52387	3.8247	46.810	.97689
#2	.05313	.21233	.50667	.52281	3.8373	47.020	.97612
#3	.05278	.21130	.50464	.52046	3.8438	46.985	.97660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6396	.49182	F 1.1046	49.214	.51012	F 5.9219	.51997
Stddev	.0238	.00150	.0013	.114	.00073	1.9374	.00153
%RSD	.24697	.30436	.11565	.23141	.14292	32.715	.29345
#1	9.6286	.49025	1.1041	49.083	.51095	3.7536	.52163
#2	9.6232	.49323	1.1036	49.268	.50985	6.5291	.51863
#3	9.6669	.49198	1.1060	49.290	.50957	7.4829	.51963
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 18:39:59 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.827**	**9.6641**	F **3.3050**	F **1.3231**	**.42740**	F **722.74**	**1.0947**
Stddev	6.385	.2210	1.4561	.0052	.00117	1.11	.0003
%RSD	35.817	2.2873	44.057	.39258	.27353	.15297	.03044
#1	-24.501	9.4233	1.8072	1.3244	.42764	723.84	1.0946
#2	-17.205	9.7112	3.3923	1.3173	.42612	722.75	1.0944
#3	-11.776	9.8578	4.7155	1.3274	.42842	721.63	1.0950
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000	1.2000		5.0000	
Range	-10.000%		-10.000%	10.000%		10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96021**	**1.0401**	**.53121**	**1.0734**	**1.0308**	F **1.6727**
Stddev	.00238	.0027	.00272	.0027	.0001	.0710
%RSD	.24806	.25736	.51131	.25057	.01435	4.2429
#1	.95747	1.0376	.53289	1.0753	1.0308	1.5930
#2	.96170	1.0429	.52808	1.0746	1.0309	1.7291
#3	.96148	1.0397	.53267	1.0703	1.0306	1.6960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65975.**	**64817.**
Stddev	142.	314.
%RSD	.21524	.48447
#1	65973.	65055.
#2	65835.	64935.
#3	66119.	64461.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 18:43:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.02106**	**.00040**	**.00269**	**.00198**	**.00003**	**.04737**
Stddev	.00039	.00122	.00091	.00016	.00014	.00000	.00691
%RSD	120.45	5.7934	226.27	5.8391	7.0234	13.356	14.579
#1	.00013	.02246	.00117	.00287	.00210	.00004	.05413
#2	-.00055	.02021	.00065	.00263	.00201	.00003	.04765
#3	-.00054	.02053	-.00061	.00258	.00183	.00003	.04033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00002**	**.00016**	**.00029**	**.03224**	**.09219**	**.00066**
Stddev	.00003	.00007	.00031	.00043	.00409	.01637	.00106
%RSD	34.859	427.56	188.16	147.56	12.703	17.757	160.24
#1	-.00010	.00005	-.00007	.00056	.03695	.10755	.00184
#2	-.00005	-.00002	.00005	.00052	.03017	.09406	.00038
#3	-.00007	-.00009	.00052	-.00021	.02959	.07497	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00590**	**.00059**	**.00011**	**.01881**	**-.00003**	F **.26982**	**.00127**
Stddev	.00458	.00008	.00008	.00982	.00029	8.4867	.00095
%RSD	77.587	13.975	71.090	52.233	1048.3	3145.3	74.998
#1	.00855	.00063	.00020	.02960	-.00036	-5.4670	.00224
#2	.00061	.00049	.00007	.01040	.00016	10.019	.00123
#3	.00854	.00064	.00006	.01642	.00012	-3.7423	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 18:43:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-20.057**	F **.36558**	F **2.4470**	**-.00134**	**-.00160**	**.44242**	**-.00013**
Stddev	5.739	.02562	.3159	.00096	.00136	.00612	.00011
%RSD	28.617	7.0087	12.908	72.036	84.916	1.3830	86.863
#1	-19.059	.38553	2.8113	-.00240	-.00291	.43723	-.00023
#2	-26.230	.37453	2.2495	-.00054	-.00019	.44087	-.00001
#3	-14.881	.33669	2.2803	-.00107	-.00170	.44917	-.00015
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00052**	**-.00053**	**-.00019**	**-.00020**	**.09924**
Stddev	.00004	.00031	.00038	.00015	.00004	.08763
%RSD	9.7282	59.829	72.237	77.354	19.900	88.298
#1	.00040	.00020	-.00052	-.00016	-.00015	.00010
#2	.00034	.00082	-.00091	-.00036	-.00023	.16632
#3	.00041	.00052	-.00015	-.00006	-.00021	.13131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67112.**	**63244.**
Stddev	191.	284.
%RSD	.28509	.44883
#1	66929.	63031.
#2	67096.	63566.
#3	67310.	63133.

Approved: April 01, 2011

Sample Name: L1103101203 Acquired: 3/31/2011 18:46:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**169.87**	**.86178**	**.32496**	**14.329**	**.01406**	**448.39**
Stddev	.00062	1.89	.00224	.00531	.179	.00002	7.50
%RSD	8.1903	1.1097	.25963	1.6344	1.2496	.17334	1.6718
#1	.00825	168.57	.86435	.32278	14.528	.01403	442.18
#2	.00701	169.02	.86069	.33101	14.276	.01407	456.71
#3	.00753	172.03	.86029	.32108	14.182	.01408	446.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02431**	**.25478**	**.29504**	**.95185**	**514.77**	**31.864**	**.56708**
Stddev	.00017	.00096	.00160	.00287	7.43	.040	.00064
%RSD	.69386	.37816	.54212	.30180	1.4425	.12519	.11361
#1	.02433	.25546	.29324	.95513	514.89	31.850	.56666
#2	.02447	.25521	.29631	.95062	522.13	31.909	.56782
#3	.02414	.25368	.29557	.94980	507.28	31.833	.56675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**87.806**	**9.9184**	**.22830**	**41.372**	**.75004**	F **12339.**	**2.3923**
Stddev	.303	.0160	.00101	.039	.00276	31.	.0115
%RSD	.34507	.16131	.44049	.09374	.36789	.24777	.47883
#1	87.694	9.9171	.22911	41.338	.75106	12364.	2.4039
#2	88.149	9.9351	.22861	41.414	.75214	12347.	2.3920
#3	87.575	9.9031	.22717	41.365	.74691	12305.	2.3810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103101203 Acquired: 3/31/2011 18:46:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.415**	F **5063.5**	F **32677.**	**.06253**	**.01794**	F **1076.4**	**.01156**
Stddev	2.133	10.2	62.	.00089	.00032	38.9	.00013
%RSD	3.7152	.20151	.18904	1.4167	1.7987	3.6144	1.1105
#1	-57.869	5065.6	32740.	.06356	.01803	1103.6	.01160
#2	-59.284	5052.4	32673.	.06202	.01758	1093.7	.01166
#3	-55.091	5072.5	32616.	.06202	.01820	1031.8	.01141
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.187**	**.12424**	**.02542**	**.34770**	**2.2955**	**44.554**
Stddev	.173	.00076	.00195	.00120	.0085	.231
%RSD	1.5439	.60971	7.6725	.34470	.37198	.51939
#1	11.257	.12436	.02568	.34863	2.3020	44.817
#2	10.991	.12494	.02336	.34635	2.2987	44.383
#3	11.314	.12344	.02724	.34813	2.2858	44.461
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60505.**	**64871.**
Stddev	66.	652.
%RSD	.10843	1.0053
#1	60499.	64530.
#2	60573.	64459.
#3	60442.	65623.

Approved: April 01, 2011

Sample Name: L1103103001 Acquired: 3/31/2011 18:50:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01995**	**286.79**	**.08634**	**.24061**	**.88563**	**.00490**	**1.7654**
Stddev	.00040	3.17	.00045	.00154	.00304	.00008	.0101
%RSD	1.9845	1.1040	.51676	.63829	.34273	1.6459	.56983
#1	.02039	288.35	.08591	.23887	.88406	.00489	1.7675
#2	.01963	288.88	.08632	.24177	.88371	.00482	1.7545
#3	.01984	283.15	.08680	.24119	.88913	.00498	1.7743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**.15698**	**.21206**	**.30931**	**637.23**	**9.3445**	**.05121**
Stddev	.00017	.00002	.00051	.00197	7.40	.0174	.00081
%RSD	5.8130	.01317	.24165	.63660	1.1616	.18603	1.5739
#1	.00281	.15696	.21248	.31111	630.73	9.3639	.05213
#2	.00315	.15699	.21220	.30962	635.67	9.3393	.05092
#3	.00304	.15699	.21149	.30721	645.29	9.3303	.05060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5153**	**3.9915**	**.00945**	**.56405**	**.11113**	F **27813.**	**.20842**
Stddev	.0316	.0040	.00044	.00903	.00043	23.	.00150
%RSD	.37135	.10012	4.6633	1.6006	.38631	.08241	.71865
#1	8.4865	3.9915	.00918	.56987	.11110	27819.	.20973
#2	8.5102	3.9875	.00922	.55365	.11158	27831.	.20679
#3	8.5492	3.9955	.00996	.56862	.11072	27787.	.20876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103103001 Acquired: 3/31/2011 18:50:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.202**	F **34.961**	F **216.96**	**.00044**	**-.00179**	F **499.44**	**.02165**
Stddev	2.071	.175	.50	.00038	.00391	2.17	.00024
%RSD	5.5663	.50154	.22907	84.827	218.51	.43423	1.1154
#1	-35.638	35.036	217.23	.00038	-.00245	497.40	.02188
#2	-36.419	35.086	217.26	.00010	.00241	501.72	.02166
#3	-39.551	34.760	216.39	.00084	-.00532	499.20	.02140
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02989**	**2.3730**	**.04201**	**1.4387**	**.38125**	F **117.73**
Stddev	.00016	.0053	.00121	.0024	.00016	.53
%RSD	.53812	.22377	2.8820	.16706	.04194	.44762
#1	.02988	2.3678	.04160	1.4374	.38123	117.74
#2	.02973	2.3728	.04105	1.4373	.38111	118.25
#3	.03005	2.3784	.04337	1.4415	.38142	117.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64255.**	**64172.**
Stddev	118.	184.
%RSD	.18433	.28651
#1	64184.	63996.
#2	64190.	64363.
#3	64392.	64158.

Approved: April 01, 2011

Sample Name: L1103103002 Acquired: 3/31/2011 18:54:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00247**	**225.03**	**.08550**	**.20250**	**.63182**	**.01953**	**2.4751**
Stddev	.00069	.37	.00009	.00196	.00142	.00007	.0072
%RSD	27.990	.16621	.10691	.96850	.22439	.37184	.29088
#1	-.00327	225.14	.08557	.20110	.63315	.01956	2.4831
#2	-.00211	225.34	.08539	.20474	.63032	.01945	2.4731
#3	-.00204	224.61	.08552	.20166	.63198	.01959	2.4692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00257**	**.17378**	**.39668**	**.22759**	**510.24**	**7.3735**	**.10009**
Stddev	.00006	.00044	.00207	.00211	3.27	.0309	.00047
%RSD	2.3012	.25381	.52060	.92760	.64089	.41901	.47078
#1	.00260	.17348	.39673	.22699	509.23	7.4018	.09978
#2	.00261	.17357	.39459	.22584	513.90	7.3406	.10063
#3	.00250	.17429	.39872	.22994	507.60	7.3783	.09985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3672**	**5.7772**	**.00049**	**15.950**	**.23710**	F **20050.**	**.07824**
Stddev	.0039	.0044	.00013	.016	.00064	24.	.00037
%RSD	.04616	.07665	27.524	.10052	.27172	.12100	.47101
#1	8.3628	5.7731	.00059	15.931	.23741	20029.	.07861
#2	8.3700	5.7765	.00054	15.959	.23636	20045.	.07822
#3	8.3687	5.7819	.00034	15.960	.23753	20076.	.07787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103103002 Acquired: 3/31/2011 18:54:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.483**	F **14.055**	F **74.642**	**.00087**	**-.00314**	F **267.43**	**.00918**
Stddev	5.332	.042	.139	.00122	.00114	2.99	.00005
%RSD	9.2766	.30158	.18614	139.36	36.315	1.1174	.49694
#1	-59.937	14.041	74.735	-.00015	-.00304	265.28	.00913
#2	-61.148	14.021	74.709	.00222	-.00433	266.16	.00921
#3	-51.366	14.103	74.483	.00056	-.00206	270.84	.00921
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06461**	**.51542**	**-.00032**	**.38853**	**.41370**	F **229.49**
Stddev	.00001	.00224	.00022	.00094	.00045	.75
%RSD	.02299	.43400	70.195	.24261	.10766	.32855
#1	.06462	.51670	-.00013	.38953	.41344	229.61
#2	.06460	.51284	-.00026	.38766	.41344	228.68
#3	.06460	.51673	-.00057	.38839	.41421	230.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74405.**	**74479.**
Stddev	57.	228.
%RSD	.07594	.30637
#1	74352.	74230.
#2	74464.	74527.
#3	74400.	74678.

Approved: April 01, 2011

Sample Name: L1103103003 Acquired: 3/31/2011 18:57:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00180**	**139.98**	**.03837**	**.14497**	**.35978**	**.01825**	**5.4701**
Stddev	.00087	2.02	.00159	.00628	.00057	.00006	.0264
%RSD	48.450	1.4426	4.1321	4.3317	.15795	.34061	.48231
#1	-.00254	138.31	.03948	.15154	.36015	.01818	5.4919
#2	-.00201	139.39	.03655	.13903	.35912	.01830	5.4408
#3	-.00084	142.22	.03907	.14435	.36006	.01828	5.4776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.09084**	**.07108**	**.05287**	**361.90**	**5.4000**	**.02409**
Stddev	.00007	.00044	.00107	.00250	10.57	.0266	.00131
%RSD	4.2135	.48831	1.5036	4.7318	2.9216	.49318	5.4370
#1	.00172	.09038	.07017	.05049	372.55	5.3996	.02506
#2	.00160	.09086	.07226	.05264	351.41	5.3735	.02260
#3	.00173	.09127	.07081	.05548	361.73	5.4268	.02460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2016**	**8.4048**	**-.00064**	**9.6845**	**.13391**	F **15230.**	**.02728**
Stddev	.0319	.0180	.00033	.0529	.00060	53.	.00027
%RSD	.61270	.21469	51.093	.54670	.44686	.34860	.99637
#1	5.2108	8.4071	-.00067	9.6817	.13327	15183.	.02748
#2	5.1662	8.3858	-.00030	9.6330	.13399	15220.	.02740
#3	5.2279	8.4216	-.00095	9.7387	.13446	15287.	.02697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103103003 Acquired: 3/31/2011 18:57:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.910**	F **12.377**	F **45.016**	**.00026**	**.00106**	F **528.27**	**.00806**
Stddev	3.733	.138	.127	.00091	.00178	4.20	.00023
%RSD	10.396	1.1161	.28270	343.12	168.40	.79454	2.8432
#1	-38.952	12.276	45.066	.00109	.00223	525.14	.00808
#2	-31.744	12.320	44.871	.00040	-.00099	526.64	.00828
#3	-37.035	12.535	45.111	-.00070	.00194	533.04	.00782
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06223**	**.17260**	**.00224**	**.22005**	**.22972**	F **198.78**
Stddev	.00009	.01135	.00068	.00006	.00034	.98
%RSD	.14264	6.5751	30.314	.02763	.14734	.49316
#1	.06219	.16044	.00280	.22001	.22937	197.77
#2	.06218	.17444	.00245	.22003	.22974	198.84
#3	.06234	.18291	.00148	.22012	.23004	199.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68841.**	**68167.**
Stddev	170.	504.
%RSD	.24677	.73927
#1	68979.	67719.
#2	68893.	68712.
#3	68651.	68069.

Approved: April 01, 2011

Sample Name: L1103103004 Acquired: 3/31/2011 19:01:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03087**	**232.88**	**.04006**	**.29917**	**.74126**	^ *****	**3.4497**
Stddev	.00008	.98	.00191	.00269	.00139	-----	.0064
%RSD	.26184	.42036	4.7644	.89965	.18745	-----	.18569
#1	.03078	231.81	.03893	.29654	.74200	^ -----	3.4423
#2	.03089	233.07	.04227	.29905	.74211	^ -----	3.4529
#3	.03094	233.74	.03900	.30192	.73965	^ -----	3.4539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00266**	**.15656**	**.30976**	**.27307**	**822.98**	**14.190**	**.07604**
Stddev	.00010	.00018	.00123	.00269	5.54	.007	.00095
%RSD	3.9412	.11433	.39620	.98494	.67259	.04672	1.2437
#1	.00269	.15669	.30980	.27615	817.55	14.183	.07632
#2	.00275	.15663	.30852	.27186	822.78	14.196	.07498
#3	.00254	.15636	.31097	.27120	828.61	14.192	.07681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.538**	**3.0561**	**.00363**	**.51193**	**.13470**	F **12594.**	**.11354**
Stddev	.051	.0055	.00007	.00409	.00031	20.	.00242
%RSD	.37342	.17957	1.8501	.79847	.22768	.15531	2.1355
#1	13.484	3.0499	.00367	.50745	.13450	12616.	.11621
#2	13.584	3.0602	.00367	.51545	.13455	12590.	.11293
#3	13.544	3.0582	.00355	.51289	.13506	12577.	.11147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103103004 Acquired: 3/31/2011 19:01:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.096**	F **41.945**	F **254.10**	**-.00004**	**.00026**	F **388.13**	**.02195**
Stddev	.770	.079	.21	.00214	.00314	2.44	.00008
%RSD	1.9194	.18734	.08306	5388.5	1214.9	.62735	.34368
#1	-39.687	42.029	254.28	.00019	-.00072	386.23	.02203
#2	-39.618	41.873	253.86	-.00229	.00377	390.88	.02196
#3	-40.984	41.934	254.14	.00198	-.00228	387.29	.02188
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03189**	**4.6283**	**.03179**	**.98344**	**.46204**	F **75.303**
Stddev	.00010	.0071	.00133	.00545	.00042	.930
%RSD	.31481	.15419	4.1910	.55443	.09091	1.2351
#1	.03178	4.6244	.03195	.97720	.46251	74.468
#2	.03196	4.6366	.03304	.98585	.46169	76.305
#3	.03194	4.6240	.03039	.98728	.46193	75.134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65932.**	**66707.**
Stddev	59.	251.
%RSD	.09024	.37596
#1	65906.	66513.
#2	66000.	66618.
#3	65890.	66990.

Approved: April 01, 2011

Sample Name: L1103103004S Acquired: 3/31/2011 19:05:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23739**	**254.59**	**.21553**	**1.0311**	**1.2885**	**.02536**	**8.3794**
Stddev	.00026	2.10	.00128	.0048	.0016	.00008	.0233
%RSD	.10780	.82660	.59346	.46845	.12177	.30842	.27857
#1	.23709	256.33	.21635	1.0258	1.2903	.02528	8.3860
#2	.23754	255.19	.21617	1.0322	1.2873	.02535	8.3535
#3	.23753	252.25	.21405	1.0353	1.2879	.02543	8.3988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02569**	**.24370**	**.53198**	**.47629**	**730.05**	**39.038**	**.54427**
Stddev	.00008	.00058	.00172	.00417	9.29	.086	.00115
%RSD	.31765	.23972	.32308	.87479	1.2726	.21993	.21048
#1	.02568	.24365	.53054	.47751	720.52	39.037	.54551
#2	.02577	.24430	.53388	.47971	730.53	38.952	.54404
#3	.02561	.24314	.53152	.47165	739.08	39.123	.54325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.968**	**3.3851**	**.49647**	**23.371**	**.36890**	F **12702.**	**.33560**
Stddev	.056	.0077	.00063	.105	.00144	28.	.00026
%RSD	.26717	.22840	.12660	.44852	.39007	.21954	.07755
#1	20.904	3.3768	.49592	23.320	.36922	12707.	.33534
#2	21.005	3.3922	.49635	23.301	.37014	12727.	.33586
#3	20.996	3.3863	.49716	23.491	.36732	12672.	.33559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103103004S Acquired: 3/31/2011 19:05:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.984**	F **45.278**	F **249.39**	**.54896**	**.15323**	F **1010.3**	**.49505**
Stddev	.314	.291	.69	.00279	.00148	2.3	.00099
%RSD	.64093	.64364	.27540	.50834	.96545	.22526	.19954
#1	-48.734	45.372	249.96	.54911	.15167	1008.3	.49422
#2	-48.882	45.510	249.57	.55167	.15461	1009.8	.49614
#3	-49.336	44.951	248.63	.54610	.15341	1012.8	.49478
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48059**	**6.7774**	**.24785**	**1.5230**	**.95022**	F **85.008**
Stddev	.00131	.0021	.00234	.0005	.00121	.616
%RSD	.27320	.03126	.94531	.03396	.12707	.72408
#1	.48037	6.7781	.24521	1.5228	.94939	84.299
#2	.47940	6.7791	.24968	1.5236	.95160	85.324
#3	.48200	6.7750	.24865	1.5226	.94966	85.402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65376.**	**65820.**
Stddev	167.	69.
%RSD	.25486	.10482
#1	65356.	65783.
#2	65219.	65776.
#3	65551.	65899.

Approved: April 01, 2011

Sample Name: L1103103004SD Acquired: 3/31/2011 19:08:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24200**	**275.63**	**.22109**	**1.0616**	**1.2915**	**.02548**	**8.1173**
Stddev	.00213	2.72	.00239	.0120	.0025	.00021	.0261
%RSD	.88083	.98728	1.0830	1.1298	.19591	.82671	.32153
#1	.24298	277.94	.22288	1.0735	1.2939	.02559	8.1387
#2	.24346	276.33	.22202	1.0617	1.2917	.02561	8.1249
#3	.23955	272.63	.21837	1.0495	1.2888	.02523	8.0882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02581**	**.38747**	**.52564**	**.51537**	**796.31**	**38.773**	**.55116**
Stddev	.00011	.00157	.00461	.00421	7.45	.072	.00137
%RSD	.42018	.40483	.87658	.81659	.93555	.18571	.24851
#1	.02593	.38766	.52993	.51554	804.90	38.840	.55243
#2	.02574	.38893	.52620	.51949	792.43	38.781	.54971
#3	.02575	.38581	.52077	.51108	791.61	38.697	.55135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.226**	**5.9519**	**.50226**	**23.587**	**.37906**	F **14351.**	**.41777**
Stddev	.074	.0040	.00168	.076	.00082	26.	.00236
%RSD	.36693	.06724	.33457	.32334	.21548	.18004	.56437
#1	20.143	5.9564	.50293	23.655	.37850	14336.	.42040
#2	20.249	5.9503	.50351	23.603	.38000	14381.	.41708
#3	20.286	5.9489	.50035	23.504	.37868	14337.	.41584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103103004SD Acquired: 3/31/2011 19:08:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.851**	F **47.126**	F **260.19**	**.55679**	**.15979**	F **1131.4**	**.45775**
Stddev	5.630	.205	.47	.00269	.00187	3.8	.00188
%RSD	12.553	.43515	.17919	.48310	1.1698	.33365	.41139
#1	-48.200	47.065	260.58	.55985	.15864	1129.5	.45873
#2	-48.002	47.354	260.32	.55573	.15878	1135.7	.45893
#3	-38.351	46.958	259.68	.55480	.16195	1128.9	.45557
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48514**	**7.5616**	**.25099**	**1.6464**	**.97489**	F **90.071**
Stddev	.00178	.0145	.00242	.0176	.00452	1.149
%RSD	.36641	.19118	.96615	1.0688	.46358	1.2758
#1	.48693	7.5771	.25184	1.6574	.97691	90.793
#2	.48511	7.5591	.25288	1.6556	.97805	90.674
#3	.48337	7.5486	.24826	1.6261	.96972	88.746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64681.**	**65532.**
Stddev	487.	148.
%RSD	.75296	.22544
#1	64333.	65553.
#2	64472.	65668.
#3	65237.	65375.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 19:12:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43389**	**10.464**	**.41491**	**.52412**	**.95917**	**.05167**	**9.4439**
Stddev	.00225	.039	.00168	.00076	.00202	.00009	.0103
%RSD	.51933	.37725	.40588	.14493	.21080	.16989	.10910
#1	.43643	10.444	.41556	.52428	.96076	.05169	9.4493
#2	.43211	10.509	.41616	.52478	.95690	.05158	9.4320
#3	.43313	10.438	.41299	.52329	.95987	.05175	9.4504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05272**	**.21076**	**.50641**	**.52173**	**3.9271**	**47.390**	**.97773**
Stddev	.00007	.00047	.00153	.00113	.0130	.080	.00324
%RSD	.14174	.22222	.30193	.21736	.33179	.16942	.33160
#1	.05270	.21085	.50484	.52213	3.9412	47.477	.98067
#2	.05280	.21117	.50647	.52260	3.9156	47.320	.97425
#3	.05265	.21025	.50790	.52045	3.9243	47.373	.97826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8806**	**.49546**	F **1.1024**	**49.276**	**.50961**	F **6.0680**	**.51683**
Stddev	.0204	.00075	.0011	.118	.00124	3.6561	.00300
%RSD	.20610	.15087	.09646	.23945	.24277	60.252	.57969
#1	9.9035	.49492	1.1016	49.412	.50819	3.5497	.51497
#2	9.8645	.49631	1.1020	49.214	.51024	4.3928	.52029
#3	9.8737	.49515	1.1036	49.201	.51041	10.261	.51523
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 19:12:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.4303**	**9.0475**	F **-.56945**	**1.3083**	**.41999**	F **714.02**	**1.0947**
Stddev	5.2607	.0039	.12952	.0050	.00150	.61	.0006
%RSD	118.74	.04251	22.745	.37986	.35736	.08480	.05981
#1	5.3211	9.0465	-.43750	1.3033	.41871	714.18	1.0947
#2	-1.2189	9.0518	-.57447	1.3132	.42164	714.53	1.0953
#3	9.1888	9.0443	-.69639	1.3083	.41962	713.35	1.0940
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95388**	**1.0397**	**.52941**	**1.0685**	**1.0378**	F **1.6827**
Stddev	.00166	.0005	.00129	.0042	.0010	.1674
%RSD	.17425	.05176	.24298	.39029	.09659	9.9459
#1	.95578	1.0403	.52809	1.0727	1.0378	1.6461
#2	.95268	1.0393	.52948	1.0643	1.0367	1.5367
#3	.95319	1.0394	.53066	1.0686	1.0387	1.8654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65658.**	**62058.**
Stddev	71.	56.
%RSD	.10777	.08960
#1	65710.	62062.
#2	65686.	62112.
#3	65577.	62001.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 19:15:24 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.02125**	**.00042**	**.00319**	**.00061**	**.00001**	**-.00552**
Stddev	.00008	.00167	.00076	.00058	.00022	.00001	.01030
%RSD	15.251	7.8473	182.12	18.232	35.602	42.187	186.55
#1	-.00057	.02153	.00113	.00304	.00057	.00002	-.00737
#2	-.00050	.02276	.00051	.00383	.00042	.00002	.00558
#3	-.00042	.01946	-.00039	.00270	.00085	.00001	-.01476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00002**	**-.00005**	**.00030**	**.02711**	**.13388**	**.00123**
Stddev	.00001	.00008	.00034	.00033	.00106	.00750	.00160
%RSD	12.816	522.15	631.98	109.62	3.9041	5.6052	130.13
#1	-.00011	-.00008	-.00027	.00009	.02617	.14198	.00033
#2	-.00010	.00007	-.00022	.00013	.02691	.13250	.00028
#3	-.00013	.00006	.00033	.00068	.02826	.12716	.00308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00038**	**.00001**	**.00973**	**-.00061**	F **.59595**	**.00057**
Stddev	.01077	.00018	.00018	.00464	.00021	4.4868	.00107
%RSD	318.91	46.789	1477.8	47.697	34.686	752.89	188.65
#1	.00909	-.00026	-.00015	.00683	-.00040	-3.1108	.00140
#2	-.00904	-.00059	-.00002	.01509	-.00060	-.68536	.00095
#3	.01008	-.00029	.00020	.00729	-.00082	5.5840	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 19:15:24 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.3980**	**-.00230**	F **.03648**	**-.00121**	**.00057**	**.13304**	**-.00025**
Stddev	8.9703	.03086	.15546	.00144	.00253	.10290	.00010
%RSD	140.21	1339.2	426.18	118.22	441.09	77.346	41.704
#1	11.130	-.00433	-.06767	-.00175	.00348	.01800	-.00035
#2	-3.9475	-.03210	-.03807	.00041	-.00113	.21633	-.00014
#3	12.011	.02952	.21518	-.00231	-.00063	.16480	-.00026
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00069**	**.00070**	**.00009**	**-.00050**	**.05580**
Stddev	.00003	.00040	.00052	.00007	.00006	.09216
%RSD	44.179	57.561	74.247	85.268	11.743	165.17
#1	.00004	.00031	.00030	.00007	-.00052	.11229
#2	.00009	.00066	.00051	.00016	-.00043	.10565
#3	.00005	.00110	.00129	.00002	-.00054	-.05055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66632.**	**61408.**
Stddev	216.	412.
%RSD	.32377	.67034
#1	66710.	61313.
#2	66799.	61858.
#3	66389.	61052.

Approved: April 01, 2011

Sample Name: PBS 24 Acquired: 3/31/2011 19:18:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00601**	**-.00078**	**.00093**	**.00044**	**.00001**	**-.01681**
Stddev	.00029	.00128	.00100	.00028	.00006	.00001	.00564
%RSD	88.207	21.332	129.40	29.983	13.184	107.38	33.533
#1	-.00051	.00705	.00038	.00124	.00039	.00000	-.02267
#2	-.00046	.00457	-.00143	.00069	.00050	.00001	-.01633
#3	.00000	.00640	-.00127	.00086	.00042	.00003	-.01143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**-.00039**	**.00044**	**.00041**	**.00458**	**.12564**	**-.00136**
Stddev	.00001	.00013	.00008	.00029	.00293	.01699	.00083
%RSD	4.8863	33.160	17.159	69.795	63.898	13.524	60.872
#1	.00024	-.00042	.00052	.00059	.00207	.14383	-.00221
#2	.00022	-.00051	.00037	.00008	.00780	.11017	-.00055
#3	.00022	-.00025	.00043	.00056	.00388	.12292	-.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00762**	**-.00058**	**-.00003**	**.01039**	**.00000**	F **-22.730**	**.00095**
Stddev	.00201	.00022	.00026	.01013	.0006	4.386	.00059
%RSD	26.354	38.867	755.57	97.457	22145.	19.298	61.857
#1	.00994	-.00077	.00006	.01684	-.00067	-19.464	.00032
#2	.00651	-.00033	.00017	.01562	.00055	-27.715	.00105
#3	.00641	-.00063	-.00033	-.00128	.00011	-21.009	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: PBS 24 Acquired: 3/31/2011 19:18:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.3263**	**.78576**	**5.2803**	**.00052**	**.00150**	**1.1092**	**-.00006**
Stddev	7.5189	.02374	.1636	.00079	.00146	.0626	.00012
%RSD	141.17	3.0216	3.0992	152.48	97.319	5.6447	200.39
#1	-1.2785	.80480	5.4123	.00072	.00194	1.1633	-.00016
#2	-.69846	.79333	5.3314	-.00035	.00270	1.0406	.00008
#3	-14.002	.75916	5.0972	.00119	-.00013	1.1237	-.00010
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00075**	**-.00188**	**-.00005**	**.00072**	F **-.08992**
Stddev	.00002	.00067	.00045	.00003	.00002	.03381
%RSD	92.070	88.572	24.110	55.215	2.9090	37.604
#1	.00000	.00152	-.00226	-.00006	.00072	-.12852
#2	.00003	.00038	-.00138	-.00008	.00074	-.07572
#3	.00004	.00036	-.00200	-.00002	.00069	-.06553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65239.**	**60877.**
Stddev	167.	219.
%RSD	.25640	.36043
#1	65086.	60623.
#2	65214.	60995.
#3	65417.	61012.

Approved: April 01, 2011

Sample Name: LCSS 24 Acquired: 3/31/2011 19:22:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20248**	**.00457**	**.19468**	**.00036**	**.00036**	**.00005**	**-.01370**
Stddev	.00061	.00173	.00130	.00044	.00021	.00002	.01528
%RSD	.29925	37.800	.66792	123.37	56.771	50.999	111.56
#1	.20311	.00653	.19337	.00080	.00026	.00006	-.01576
#2	.20191	.00385	.19597	.00037	.00022	.00006	.00251
#3	.20242	.00331	.19472	-.00009	.00060	.00002	-.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02497**	**-.00038**	**.00057**	**.26123**	**.00476**	**.05226**	**-.00028**
Stddev	.00008	.00006	.00010	.00176	.00126	.01724	.00048
%RSD	.33101	14.776	17.156	.67416	26.486	32.981	174.09
#1	.02488	-.00035	.00050	.26009	.00375	.06683	-.00050
#2	.02504	-.00045	.00053	.26326	.00436	.05671	-.00061
#3	.02500	-.00035	.00068	.26035	.00617	.03323	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**.25581**	**.00018**	**.01251**	**.00034**	F **-20.367**	**.26335**
Stddev	.00240	.00248	.00022	.00575	.00021	6.250	.00108
%RSD	131.67	.96972	122.90	45.964	60.860	30.687	.40950
#1	.00187	.25317	.00042	.01099	.00011	-17.136	.26438
#2	-.00060	.25616	.00001	.01887	.00042	-16.394	.26345
#3	.00420	.25809	.00009	.00767	.00050	-27.571	.26223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 24 Acquired: 3/31/2011 19:22:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91866**	F **-.01183**	F **-.48414**	**.00098**	**.00116**	**1.0487**	**-.00025**
Stddev	3.9396	.01738	.19476	.00016	.00139	.1516	.00016
%RSD	428.85	146.95	40.229	16.437	120.36	14.456	65.138
#1	-1.1384	-.01322	-.70815	.00089	.00184	1.1460	-.00029
#2	-1.5666	-.02847	-.35488	.00116	-.00044	1.1261	-.00037
#3	5.4610	.00621	-.38940	.00087	.00207	.87403	-.00007
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00133**	**-.00125**	**-.00012**	**.00137**	F **-.22011**
Stddev	.00007	.00061	.00102	.00018	.00005	.13207
%RSD	413.77	45.477	81.633	145.50	3.3443	60.001
#1	-.00009	.00087	-.00013	-.00018	.00141	-.17593
#2	.00005	.00202	-.00148	.00008	.00132	-.11580
#3	-.00001	.00111	-.00213	-.00027	.00136	-.36861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65461.**	**61085.**
Stddev	108.	359.
%RSD	.16450	.58713
#1	65470.	61389.
#2	65349.	61177.
#3	65564.	60690.

Approved: April 01, 2011

Sample Name: L1103082432 Acquired: 3/31/2011 19:26:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**161.17**	**.09518**	**.12218**	**2.3359**	**.01739**	**39.657**
Stddev	.00023	1.16	.00167	.00089	.0142	.00013	.323
%RSD	9.2332	.72100	1.7509	.72704	.60774	.76072	.81382
#1	.00267	160.99	.09549	.12126	2.3199	.01726	39.288
#2	.00262	162.42	.09667	.12303	2.3470	.01753	39.797
#3	.00225	160.11	.09338	.12227	2.3408	.01739	39.887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.11480**	**.25230**	**.16354**	**292.16**	**13.672**	**.07766**
Stddev	.00012	.00071	.00190	.00209	.80	.105	.00094
%RSD	2.9335	.61501	.75392	1.2794	.27461	.76906	1.2080
#1	.00405	.11552	.25119	.16545	292.54	13.564	.07739
#2	.00409	.11477	.25450	.16386	291.24	13.678	.07689
#3	.00428	.11411	.25122	.16130	292.70	13.774	.07871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.693**	**4.7039**	**.01233**	**16.308**	**.14250**	F **17004.**	**.27769**
Stddev	.199	.0124	.00023	.082	.00067	79.	.00095
%RSD	.74570	.26377	1.8486	.50273	.47081	.46453	.34120
#1	26.506	4.6926	.01258	16.217	.14291	17076.	.27677
#2	26.671	4.7020	.01229	16.330	.14286	17017.	.27866
#3	26.902	4.7172	.01213	16.377	.14172	16919.	.27763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082432 Acquired: 3/31/2011 19:26:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.597**	F **546.03**	F **3504.3**	**.00567**	**.01115**	F **319.74**	**.01221**
Stddev	4.804	4.97	4.3	.00235	.00199	.78	.00009
%RSD	12.133	.91089	.12209	41.391	17.860	.24240	.76928
#1	-44.869	550.39	3504.8	.00338	.01013	319.98	.01224
#2	-38.456	547.08	3508.3	.00807	.01345	320.37	.01211
#3	-35.466	540.61	3499.8	.00557	.00988	318.88	.01229
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32779**	**.14703**	**.01107**	**.50041**	**.57252**	F **105.84**
Stddev	.00161	.00057	.00089	.00163	.00186	.99
%RSD	.49160	.38570	8.0732	.32642	.32456	.93649
#1	.32593	.14650	.01150	.50060	.57417	105.43
#2	.32875	.14763	.01167	.50194	.57288	106.97
#3	.32868	.14697	.01004	.49869	.57051	105.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66292.**	**65611.**
Stddev	313.	717.
%RSD	.47144	1.0921
#1	66047.	66229.
#2	66186.	65778.
#3	66644.	64826.

Approved: April 01, 2011

Sample Name: L1103082432PS Acquired: 3/31/2011 19:29:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360449-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20977**	**148.66**	**.28455**	**1.0245**	**2.5728**	**.04098**	**40.296**
Stddev	.00062	.28	.00221	.0024	.0080	.00006	.143
%RSD	.29549	.18583	.77638	.22902	.30971	.14380	.35568
#1	.21048	148.52	.28699	1.0265	2.5815	.04104	40.396
#2	.20932	148.98	.28400	1.0249	2.5660	.04092	40.132
#3	.20951	148.49	.28267	1.0219	2.5708	.04099	40.360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02861**	**.20379**	**.47066**	**.39166**	**267.80**	**35.375**	**.54857**
Stddev	.00003	.00085	.00117	.00097	.85	.095	.00164
%RSD	.11603	.41612	.24950	.24801	.31797	.26788	.29871
#1	.02864	.20462	.47138	.39254	266.82	35.471	.54957
#2	.02861	.20383	.47130	.39062	268.33	35.281	.54668
#3	.02857	.20293	.46930	.39182	268.26	35.375	.54946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.651**	**4.4627**	**.55159**	**38.819**	**.36792**	F **15537.**	**.48475**
Stddev	.020	.0095	.00054	.111	.00091	25.	.00056
%RSD	.06930	.21391	.09757	.28558	.24852	.16174	.11577
#1	28.633	4.4574	.55146	38.870	.36896	15562.	.48521
#2	28.648	4.4570	.55219	38.691	.36758	15539.	.48413
#3	28.673	4.4737	.55113	38.894	.36723	15512.	.48492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082432PS Acquired: 3/31/2011 19:29:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360449-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.463**	F **508.83**	F **3219.5**	**.61318**	**.20672**	F **631.53**	**.01191**
Stddev	2.386	1.55	4.6	.00343	.00339	.85	.00048
%RSD	6.0451	.30458	.14272	.56017	1.6391	.13513	4.0056
#1	-40.082	510.57	3222.1	.61659	.20613	632.12	.01202
#2	-36.829	508.29	3222.3	.61323	.21036	631.91	.01232
#3	-41.479	507.62	3214.2	.60972	.20366	630.55	.01139
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76828**	**.63839**	**.24569**	**.97132**	**.99994**	F **95.652**
Stddev	.00309	.00163	.00271	.00509	.00082	.587
%RSD	.40162	.25498	1.1018	.52443	.08226	.61335
#1	.76972	.63916	.24329	.97718	1.0003	96.265
#2	.76474	.63652	.24516	.96797	1.0005	95.595
#3	.77039	.63948	.24862	.96882	.99900	95.096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65979.**	**65644.**
Stddev	83.	540.
%RSD	.12564	.82311
#1	65946.	65229.
#2	65918.	65448.
#3	66074.	66255.

Approved: April 01, 2011

Sample Name: L1103082432DL Acquired: 3/31/2011 19:33:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360449-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**38.840**	**.02115**	**.02588**	**.46293**	**.00348**	**8.0307**
Stddev	.00071	.218	.00058	.00115	.00283	.00001	.0393
%RSD	99.049	.56142	2.7199	4.4541	.61198	.36977	.48964
#1	.00006	38.917	.02140	.02721	.46610	.00350	8.0761
#2	.00062	38.594	.02155	.02535	.46204	.00347	8.0088
#3	.00147	39.009	.02049	.02509	.46065	.00348	8.0073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**.02491**	**.05141**	**.03625**	**60.363**	**2.9018**	**.01803**
Stddev	.00012	.00021	.00020	.00059	.367	.0191	.00163
%RSD	15.074	.84106	.39750	1.6217	.60781	.65691	9.0596
#1	.00076	.02506	.05163	.03690	60.750	2.9227	.01646
#2	.00096	.02500	.05137	.03612	60.317	2.8974	.01972
#3	.00073	.02467	.05122	.03575	60.021	2.8854	.01790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.6037**	**.96770**	**.00239**	**3.3306**	**.03010**	F **3786.0**	**.06196**
Stddev	.0252	.00160	.00006	.0022	.00043	15.1	.00014
%RSD	.44930	.16510	2.3665	.06683	1.4320	.39823	.22342
#1	5.6250	.96880	.00240	3.3331	.02999	3795.5	.06202
#2	5.6101	.96843	.00232	3.3289	.03057	3793.8	.06205
#3	5.5759	.96587	.00243	3.3298	.02974	3768.6	.06180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082432DL Acquired: 3/31/2011 19:33:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360449-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.894**	F **123.71**	F **777.83**	**-.00058**	**.00032**	**70.581**	**.00228**
Stddev	9.676	.37	1.70	.00054	.00151	.125	.00022
%RSD	60.878	.30218	.21914	92.704	476.63	.17680	9.7099
#1	-8.8708	123.93	776.34	.00004	-.00056	70.678	.00202
#2	-11.881	123.92	777.47	-.00093	.00206	70.625	.00240
#3	-26.931	123.28	779.69	-.00085	-.00055	70.440	.00241
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06612**	**.03031**	**.00361**	**.10065**	**.12082**	**20.053**
Stddev	.00025	.00037	.00088	.00029	.00013	.105
%RSD	.37962	1.2306	24.337	.28993	.10729	.52511
#1	.06635	.03066	.00307	.10097	.12094	20.047
#2	.06586	.02992	.00462	.10039	.12068	19.951
#3	.06615	.03035	.00314	.10059	.12083	20.161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68658.**	**66313.**
Stddev	120.	431.
%RSD	.17438	.64969
#1	68624.	66078.
#2	68791.	66051.
#3	68559.	66810.

Approved: April 01, 2011

Sample Name: L1103082432DL Acquired: 3/31/2011 19:36:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360449-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**7.9767**	**.00628**	**.00427**	**.09034**	**.00067**	**1.5650**
Stddev	.00040	.0133	.00051	.00018	.00020	.00002	.0100
%RSD	173.20	.16712	8.1505	4.3289	.22336	3.4314	.63855
#1	-.00014	7.9863	.00617	.00417	.09051	.00065	1.5758
#2	.00012	7.9615	.00583	.00416	.09040	.00065	1.5562
#3	-.00066	7.9824	.00684	.00449	.09012	.00069	1.5628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00515**	**.01037**	**.00793**	**11.789**	**.58342**	**.00366**
Stddev	.0001	.00009	.00021	.00045	.017	.02034	.00041
%RSD	1657.4	1.7092	2.0065	5.7302	.14323	3.4861	11.214
#1	-.00002	.00522	.01058	.00825	11.808	.56621	.00413
#2	-.00005	.00505	.01016	.00741	11.781	.60586	.00341
#3	.00006	.00518	.01036	.00813	11.778	.57817	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1324**	**.19516**	**.00001**	**.66007**	**.00570**	**782.95**	**.01327**
Stddev	.0036	.00058	.00026	.01015	.00012	8.94	.00150
%RSD	.32142	.29468	2307.7	1.5378	2.0249	1.1422	11.265
#1	1.1327	.19480	.00027	.66614	.00559	780.55	.01255
#2	1.1286	.19486	.00000	.64836	.00582	775.46	.01228
#3	1.1359	.19582	-.00024	.66573	.00570	792.85	.01499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082432DL Acquired: 3/31/2011 19:36:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360449-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.3121**	F **25.988**	F **163.26**	**-.00312**	**-.00208**	**13.972**	**-.00001**
Stddev	4.6643	.216	1.08	.00122	.00008	.188	.00019
%RSD	73.895	.83048	.66247	39.054	3.9970	1.3453	1390.1
#1	-11.691	25.970	163.15	-.00189	-.00199	13.792	-.00023
#2	-3.8547	25.782	162.24	-.00433	-.00215	13.956	.00008
#3	-3.3902	26.213	164.39	-.00314	-.00210	14.167	.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01315**	**.00641**	**.00254**	**.02018**	**.02569**	**3.1529**
Stddev	.00005	.00062	.00074	.00017	.00015	.0817
%RSD	.35893	9.6472	29.195	.84762	.58095	2.5923
#1	.01310	.00653	.00229	.02025	.02564	3.1618
#2	.01319	.00574	.00338	.02030	.02558	3.2299
#3	.01317	.00695	.00196	.01998	.02586	3.0671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68806.**	**64935.**
Stddev	96.	19.
%RSD	.13899	.02965
#1	68772.	64951.
#2	68914.	64939.
#3	68732.	64914.

Approved: April 01, 2011

Sample Name: L1103082433 Acquired: 3/31/2011 19:39:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**148.60**	**.11355**	**.12771**	**2.4117**	**.01867**	**35.738**
Stddev	.00009	.92	.00167	.00324	.0014	.00008	.035
%RSD	2.4903	.62220	1.4681	2.5376	.05706	.45146	.09878
#1	.00365	149.67	.11544	.12477	2.4130	.01872	35.772
#2	.00383	148.02	.11294	.13118	2.4103	.01857	35.702
#3	.00380	148.12	.11228	.12717	2.4117	.01871	35.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.12030**	**.39608**	**.16177**	**331.25**	**5.7814**	**.06616**
Stddev	.00003	.00028	.00088	.00173	3.95	.0378	.00124
%RSD	.67537	.23659	.22300	1.0682	1.1912	.65350	1.8712
#1	.00421	.12060	.39693	.16376	328.31	5.8187	.06692
#2	.00427	.12024	.39517	.16070	335.74	5.7431	.06683
#3	.00425	.12004	.39614	.16084	329.71	5.7824	.06473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.153**	**5.7145**	**.01307**	**1.4608**	**.11805**	F **8253.2**	**.33036**
Stddev	.077	.0041	.00029	.0072	.00095	20.3	.00063
%RSD	.47631	.07108	2.2083	.49109	.80729	.24628	.18940
#1	16.093	5.7182	.01327	1.4665	.11879	8276.6	.33013
#2	16.239	5.7102	.01274	1.4528	.11697	8243.8	.32988
#3	16.125	5.7151	.01321	1.4632	.11839	8239.3	.33107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082433 Acquired: 3/31/2011 19:39:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-34.630**	F **122.13**	F **605.69**	**.00722**	**.01033**	F **339.83**	**.01061**
Stddev	8.320	.54	1.50	.00081	.00108	1.12	.00024
%RSD	24.024	.44362	.24753	11.255	10.460	.32993	2.2188
#1	-42.984	122.75	607.41	.00796	.00915	341.11	.01040
#2	-26.345	121.77	604.71	.00735	.01059	339.06	.01057
#3	-34.561	121.86	604.94	.00635	.01127	339.31	.01087
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29637**	**.16296**	**.01655**	**.65012**	**.36424**	F **114.94**
Stddev	.00091	.00030	.00089	.00102	.00105	.07
%RSD	.30840	.18229	5.3829	.15648	.28732	.06412
#1	.29706	.16298	.01678	.65038	.36363	114.89
#2	.29534	.16266	.01556	.64899	.36364	114.92
#3	.29673	.16325	.01730	.65098	.36545	115.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64834.**	**65598.**
Stddev	135.	687.
%RSD	.20858	1.0475
#1	64680.	65568.
#2	64932.	64927.
#3	64891.	66300.

Approved: April 01, 2011

Sample Name: L1103082434 Acquired: 3/31/2011 19:43:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**111.43**	**.10736**	**.11489**	**1.6196**	**.01199**	**38.187**
Stddev	.00022	.78	.00110	.00229	.0091	.00006	.193
%RSD	4.9913	.70352	1.0211	1.9938	.56369	.53482	.50550
#1	.00448	112.28	.10770	.11238	1.6301	.01206	38.407
#2	.00407	111.27	.10826	.11688	1.6136	.01194	38.044
#3	.00440	110.73	.10614	.11541	1.6150	.01196	38.111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00642**	**.15097**	**.24594**	**.15399**	**266.83**	**7.7980**	**.05701**
Stddev	.00015	.00036	.00162	.00136	3.96	.0651	.00166
%RSD	2.3138	.23907	.66051	.88347	1.4834	.83482	2.9116
#1	.00625	.15135	.24781	.15556	262.55	7.8732	.05777
#2	.00655	.15063	.24498	.15318	270.35	7.7589	.05815
#3	.00645	.15094	.24502	.15322	267.58	7.7621	.05510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.986**	**6.4986**	**.01461**	**.46617**	**.09791**	F **9096.4**	**.45310**
Stddev	.006	.0055	.00027	.00641	.00040	39.9	.00088
%RSD	.04320	.08382	1.8301	1.3748	.40658	.43889	.19484
#1	13.988	6.5020	.01451	.46977	.09774	9141.0	.45313
#2	13.990	6.5015	.01491	.45877	.09837	9084.3	.45220
#3	13.979	6.4923	.01440	.46997	.09763	9064.0	.45396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082434 Acquired: 3/31/2011 19:43:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-29.726**	F **163.21**	F **883.66**	**.00770**	**.01188**	F **287.57**	**.01584**
Stddev	9.621	.75	1.60	.00090	.00111	.63	.00055
%RSD	32.368	.45844	.18143	11.632	9.3695	.21989	3.4988
#1	-30.043	164.04	885.51	.00808	.01269	288.13	.01623
#2	-19.950	162.97	882.73	.00835	.01235	287.69	.01609
#3	-39.185	162.60	882.74	.00668	.01061	286.88	.01521
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26369**	**.24063**	**.01129**	**.47055**	**.93116**	F **103.65**
Stddev	.00107	.00058	.00039	.00121	.00121	.70
%RSD	.40638	.24121	3.4785	.25799	.13006	.67207
#1	.26492	.24116	.01171	.47179	.93241	104.44
#2	.26305	.24001	.01094	.47049	.93107	103.41
#3	.26309	.24073	.01122	.46936	.93000	103.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65607.**	**64004.**
Stddev	213.	177.
%RSD	.32431	.27705
#1	65382.	63957.
#2	65635.	63855.
#3	65805.	64200.

Approved: April 01, 2011

Sample Name: L1103082435 Acquired: 3/31/2011 19:47:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	^ *****	**.00986**	**-.00256**	**-.00043**	**.00038**	**.01548**
Stddev	.00016	-----	.00235	.00107	.00116	.00014	.04411
%RSD	14.779	-----	23.869	41.858	267.38	37.024	284.86
#1	.00111	.32712	.00782	-.00228	-.00075	.00029	-.01365
#2	.00119	^ -----	.00932	-.00374	-.00140	.00054	-.00613
#3	.00089	.02423	.01243	-.00165	.00085	.00030	.06623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.01114**	**.00225**	**.01247**	**.16491**	**.02583**	**.00325**
Stddev	.00015	.00340	.00307	.00406	.26335	.00795	.00099
%RSD	136.50	30.488	136.15	32.570	159.70	30.789	30.555
#1	-.00002	.00752	.00082	.00820	.01851	.03497	.00227
#2	.00007	.01166	.00577	.01292	.00728	.02046	.00323
#3	.00027	.01425	.00016	.01629	.46893	.02208	.00426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**.00315**	**.00065**	**.01273**	**.00851**	k **631.11**	k **.03904**
Stddev	.01975	.00653	.00029	.02448	.00213	196.50	.01122
%RSD	267.90	207.24	43.999	192.25	25.068	31.136	28.730
#1	-.00628	-.00043	.00039	-.01391	.00618	420.71	.02696
#2	-.00163	-.00081	.00061	.01788	.00897	k 662.76	k .04104
#3	.03002	.01068	.00096	.03422	.01037	809.88	.04912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082435 Acquired: 3/31/2011 19:47:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.428**	F **10.926**	F **55.844**	k **-.00182**	k **.00187**	**32.707**	**.00066**
Stddev	40.088	3.572	18.499	.00073	.00062	6.460	.00028
%RSD	64.215	32.688	33.126	40.199	33.216	19.753	42.638
#1	-18.865	7.1370	36.204	-.00256	.00218	39.383	.00035
#2	-70.655	11.412	58.391	k -.00180	k .00227	26.486	.00075
#3	-97.764	14.231	72.937	-.00110	.00115	32.252	.00090
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00289**	k **.00258**	**.00360**	k **.07071**	**1.2630**
Stddev	.00026	.00101	.00020	.00520	.02222	1.0290
%RSD	305.57	34.881	7.8363	144.54	31.422	81.472
#1	-.00021	.00176	.00252	.00098	.04740	.97676
#2	-.00025	.00324	k .00241	.00959	k .07308	2.4048
#3	.00021	.00368	.00280	.00022	.09164	.40743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**127770.**	**123820.**
Stddev	4331.	17521.
%RSD	3.3894	14.151
#1	130900.	104420.
#2	129590.	128530.
#3	122830.	138500.

Approved: April 01, 2011

Sample Name: L1103082436 Acquired: 3/31/2011 19:50:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**108.44**	**.11398**	**.13108**	**2.0270**	**.01517**	**49.045**
Stddev	.00014	.77	.00063	.00446	.0109	.00003	.312
%RSD	3.5102	.71315	.55511	3.3992	.53929	.18835	.63599
#1	.00406	108.57	.11463	.12595	2.0208	.01515	48.948
#2	.00419	107.62	.11392	.13330	2.0396	.01521	49.393
#3	.00391	109.15	.11337	.13399	2.0206	.01516	48.793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00588**	**.16184**	**.33627**	**.14798**	**308.16**	**7.3505**	**.04571**
Stddev	.00012	.00008	.00211	.00055	6.10	.0506	.00086
%RSD	2.1205	.05174	.62775	.36928	1.9793	.68842	1.8813
#1	.00583	.16185	.33534	.14861	301.18	7.3328	.04473
#2	.00602	.16191	.33868	.14765	312.48	7.4076	.04607
#3	.00579	.16175	.33478	.14768	310.81	7.3112	.04634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.778**	**5.5490**	**.01417**	**1.7017**	**.09447**	F **9820.6**	**.43173**
Stddev	.026	.0136	.00023	.0131	.00055	16.9	.00125
%RSD	.17908	.24450	1.6488	.77044	.58458	.17174	.28880
#1	14.780	5.5528	.01396	1.7091	.09495	9830.6	.43103
#2	14.803	5.5603	.01442	1.7094	.09386	9830.1	.43100
#3	14.750	5.5339	.01412	1.6865	.09459	9801.1	.43317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082436 Acquired: 3/31/2011 19:50:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-36.458**	F **177.93**	F **908.53**	**.00800**	**.01151**	F **326.96**	**.01048**
Stddev	7.229	.12	1.49	.00149	.00133	.86	.00027
%RSD	19.830	.06479	.16419	18.655	11.552	.26301	2.5626
#1	-44.751	178.06	910.20	.00882	.01167	327.65	.01018
#2	-33.137	177.85	907.32	.00628	.01010	326.00	.01071
#3	-31.485	177.87	908.08	.00891	.01275	327.24	.01054
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30306**	**.19537**	**.01573**	**.57464**	**.73727**	F **81.869**
Stddev	.00146	.00049	.00079	.00094	.00087	.478
%RSD	.48013	.25035	5.0342	.16285	.11738	.58360
#1	.30304	.19506	.01591	.57503	.73627	81.631
#2	.30452	.19593	.01642	.57531	.73777	82.419
#3	.30161	.19510	.01487	.57357	.73777	81.557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65725.**	**66138.**
Stddev	47.	513.
%RSD	.07121	.77516
#1	65731.	65916.
#2	65676.	65774.
#3	65769.	66725.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 19:54:00 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43250**	**10.329**	**.41121**	**.51854**	**.95448**	**.05125**	**9.3404**
Stddev	.00225	.024	.00070	.00163	.00223	.00027	.0433
%RSD	.52070	.23137	.17037	.31413	.23320	.53395	.46328
#1	.43500	10.343	.41197	.52002	.95561	.05157	9.3874
#2	.43063	10.302	.41108	.51680	.95592	.05110	9.3313
#3	.43187	10.343	.41059	.51880	.95192	.05109	9.3023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05236**	**.20852**	**.50049**	**.51761**	**3.8821**	**46.763**	**.97011**
Stddev	.00025	.00101	.00188	.00215	.0021	.215	.00132
%RSD	.47186	.48505	.37525	.41444	.05428	.45888	.13637
#1	.05264	.20965	.50265	.52002	3.8827	46.967	.97154
#2	.05219	.20771	.49930	.51591	3.8838	46.783	.96987
#3	.05224	.20820	.49950	.51690	3.8798	46.539	.96892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6691**	**.48902**	**1.0986**	**48.718**	**.50511**	F **5.4496**	**.51287**
Stddev	.0224	.00065	.0005	.234	.00188	8.6514	.00363
%RSD	.23156	.13221	.04866	.48086	.37250	158.75	.70748
#1	9.6455	.48925	1.0989	48.963	.50670	15.258	.51680
#2	9.6719	.48953	1.0979	48.695	.50303	2.1856	.51215
#3	9.6900	.48829	1.0988	48.496	.50559	-1.0950	.50965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 19:54:00 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.424**	**9.0055**	F **-.57682**	**1.3017**	**.42182**	F **710.95**	**1.0843**
Stddev	1.223	.0087	.19422	.0014	.00235	.60	.0016
%RSD	10.710	.09618	33.671	.11101	.55704	.08452	.14435
#1	-12.802	8.9965	-.66348	1.3032	.42305	710.94	1.0861
#2	-10.465	9.0138	-.35435	1.3003	.41912	710.35	1.0838
#3	-11.004	9.0063	-.71263	1.3016	.42331	711.55	1.0831
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94577**	**1.0314**	**.52625**	**1.0617**	**1.0209**	F **1.4482**
Stddev	.00451	.0014	.00276	.0033	.0034	.1007
%RSD	.47719	.13686	.52465	.31500	.33496	6.9500
#1	.95067	1.0328	.52921	1.0656	1.0248	1.3916
#2	.94488	1.0314	.52375	1.0603	1.0187	1.3886
#3	.94178	1.0300	.52579	1.0594	1.0192	1.5644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66479.**	**63928.**
Stddev	209.	113.
%RSD	.31511	.17712
#1	66257.	64059.
#2	66673.	63865.
#3	66505.	63861.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 19:57:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.01084**	**.00132**	**.00225**	**.00050**	**.00001**	**.00613**
Stddev	.00061	.00145	.00056	.00035	.00018	.00001	.00383
%RSD	108.39	13.357	42.782	15.340	36.203	69.478	62.554
#1	-.00051	.01242	.00179	.00263	.00061	.00001	.00381
#2	.00002	.00958	.00069	.00195	.00060	.00000	.01055
#3	-.00119	.01052	.00147	.00217	.00029	.00002	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00003**	**.00004**	**.00048**	**.00342**	**.10707**	**.00138**
Stddev	.00003	.00014	.00031	.00049	.00257	.02791	.00036
%RSD	118.40	515.09	814.32	103.16	75.228	26.062	26.113
#1	-.00007	-.00003	.00023	.00082	.00508	.13723	.00147
#2	.00000	.00011	-.00032	-.00009	.00046	.08217	.00099
#3	-.00002	-.00016	.00021	.00071	.00471	.10181	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00325**	**-.00039**	**.00000**	**.03137**	**.00003**	F **2.5512**	**.00086**
Stddev	.00914	.00023	.0002	.00945	.00038	3.9282	.00112
%RSD	281.51	59.862	4129.0	30.117	1353.9	153.98	130.65
#1	.01218	-.00012	.00014	.03239	.00039	-.83094	.00131
#2	-.00608	-.00048	.00008	.04027	-.00036	1.6247	-.00042
#3	.00364	-.00056	-.00023	.02145	.00006	6.8599	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 19:57:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.974**	F **-.02823**	F **-.15403**	**-.00068**	**-.00025**	**.19189**	**-.00008**
Stddev	8.294	.01343	.20770	.00074	.00092	.07691	.00035
%RSD	51.924	47.580	134.85	109.26	374.70	40.079	453.48
#1	-7.6563	-.02049	-.02900	-.00151	-.00024	.23881	-.00047
#2	-16.021	-.02046	-.39378	-.00044	.00067	.10313	.00004
#3	-24.245	-.04374	-.03929	-.00009	-.00117	.23373	.00020
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00088**	**.00040**	**-.00002**	**-.00053**	F **.12261**
Stddev	.00014	.00098	.00026	.00030	.00007	.03404
%RSD	61.270	111.30	65.121	1430.1	13.075	27.760
#1	.00039	.00126	.00065	.00032	-.00047	.16122
#2	.00014	.00161	.00041	-.00022	-.00061	.10966
#3	.00016	-.00023	.00013	-.00016	-.00051	.09695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67490.**	**63121.**
Stddev	412.	272.
%RSD	.61077	.43100
#1	67964.	63241.
#2	67296.	62809.
#3	67211.	63312.

Approved: April 01, 2011

Sample Name: L1103082437 Acquired: 3/31/2011 20:00:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**199.95**	**.12334**	**.15275**	**3.5102**	**.02294**	**48.421**
Stddev	.00021	1.27	.00177	.00350	.0056	.00002	.072
%RSD	5.1392	.63471	1.4371	2.2894	.15993	.08274	.14974
#1	.00439	199.96	.12172	.15670	3.5041	.02293	48.427
#2	.00405	198.67	.12307	.15005	3.5152	.02292	48.490
#3	.00399	201.21	.12524	.15149	3.5112	.02296	48.346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**.30427**	**.31412**	**.17052**	**401.33**	**7.2846**	**.08447**
Stddev	.00004	.00102	.00084	.00093	6.57	.0220	.00134
%RSD	.97374	.33369	.26644	.54656	1.6364	.30261	1.5877
#1	.00429	.30517	.31355	.17040	408.84	7.2638	.08600
#2	.00434	.30317	.31372	.16966	396.66	7.3077	.08346
#3	.00426	.30447	.31508	.17151	398.49	7.2822	.08397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.955**	**9.7723**	**.01732**	**4.3246**	**.16090**	F **6448.7**	**.40786**
Stddev	.047	.0085	.00019	.0028	.00023	9.3	.00159
%RSD	.18225	.08671	1.1155	.06526	.14270	.14416	.39028
#1	25.925	9.7776	.01709	4.3253	.16083	6451.9	.40864
#2	26.010	9.7768	.01741	4.3271	.16072	6456.0	.40602
#3	25.932	9.7625	.01744	4.3216	.16116	6438.3	.40890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082437 Acquired: 3/31/2011 20:00:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.650**	F **134.62**	F **623.08**	**.00832**	**.01400**	F **310.54**	**.01366**
Stddev	3.107	.47	.43	.00060	.00185	.64	.00025
%RSD	5.5831	.35255	.06923	7.1635	13.203	.20721	1.8374
#1	-55.595	135.00	623.26	.00897	.01610	311.28	.01339
#2	-52.571	134.09	623.39	.00780	.01263	310.22	.01388
#3	-58.784	134.77	622.59	.00819	.01326	310.11	.01371
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37097**	**.14714**	**.01923**	**.62421**	**.42644**	F **142.98**
Stddev	.00041	.00076	.00059	.00142	.00093	.29
%RSD	.10924	.51978	3.0753	.22797	.21753	.20339
#1	.37137	.14771	.01869	.62574	.42717	142.89
#2	.37098	.14743	.01915	.62293	.42539	143.30
#3	.37056	.14627	.01986	.62396	.42675	142.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65783.**	**67488.**
Stddev	167.	658.
%RSD	.25352	.97477
#1	65598.	66997.
#2	65921.	67233.
#3	65830.	68236.

Approved: April 01, 2011

Sample Name: L1103082438 Acquired: 3/31/2011 20:04:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00498**	**153.92**	**.15208**	**.11617**	**2.5555**	**.01679**	**62.806**
Stddev	.00008	.77	.00141	.00317	.0028	.00004	.115
%RSD	1.5712	.50245	.92482	2.7279	.10872	.25962	.18301
#1	.00495	153.31	.15186	.11270	2.5547	.01680	62.859
#2	.00507	154.79	.15358	.11691	2.5533	.01674	62.674
#3	.00492	153.67	.15080	.11890	2.5586	.01682	62.885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00937**	**.13149**	**.21914**	**.27939**	**275.90**	**16.408**	**.10122**
Stddev	.00008	.00038	.00062	.00023	4.38	.022	.00067
%RSD	.90371	.29121	.28091	.08237	1.5857	.13461	.65754
#1	.00928	.13190	.21915	.27954	270.92	16.404	.10162
#2	.00945	.13145	.21852	.27912	277.65	16.389	.10045
#3	.00938	.13113	.21975	.27950	279.13	16.432	.10158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.133**	**7.0287**	**.01311**	**2.5324**	**.19038**	F **13646.**	**1.0126**
Stddev	.084	.0046	.00016	.0098	.00010	32.	.0017
%RSD	.36094	.06597	1.2543	.38637	.05133	.23641	.16957
#1	23.087	7.0301	.01324	2.5434	.19039	13681.	1.0131
#2	23.083	7.0235	.01317	2.5290	.19028	13639.	1.0140
#3	23.230	7.0324	.01293	2.5248	.19048	13618.	1.0107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082438 Acquired: 3/31/2011 20:04:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.484**	F **209.06**	F **1045.3**	**.01111**	**.01019**	F **346.36**	**.01331**
Stddev	2.950	.48	1.1	.00097	.00236	.64	.00016
%RSD	5.2230	.22846	.10443	8.7005	23.196	.18548	1.2063
#1	-59.800	209.48	1046.5	.01195	.00939	346.73	.01313
#2	-55.498	209.17	1045.2	.01131	.00834	346.74	.01338
#3	-54.152	208.54	1044.3	.01005	.01285	345.62	.01342
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41846**	**.17671**	**.01215**	**.48453**	**2.2948**	F **121.45**
Stddev	.00053	.00055	.00176	.00208	.0006	.03
%RSD	.12739	.31066	14.502	.42840	.02456	.02867
#1	.41906	.17726	.01072	.48412	2.2942	121.44
#2	.41827	.17616	.01161	.48678	2.2953	121.49
#3	.41804	.17670	.01412	.48269	2.2948	121.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66438.**	**67859.**
Stddev	101.	180.
%RSD	.15144	.26588
#1	66488.	67867.
#2	66323.	68035.
#3	66505.	67675.

Approved: April 01, 2011

Sample Name: L1103082439 Acquired: 3/31/2011 20:07:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00279**	**128.76**	**.10532**	**.09948**	**1.4804**	**.01563**	**31.898**
Stddev	.00007	1.22	.00116	.00206	.0025	.00011	.076
%RSD	2.4444	.94868	1.1051	2.0696	.16949	.69066	.23882
#1	.00283	127.89	.10409	.09727	1.4775	.01551	31.928
#2	.00284	128.24	.10546	.10134	1.4819	.01569	31.955
#3	.00272	130.16	.10641	.09983	1.4818	.01570	31.812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**.07453**	**.23953**	**.14270**	**257.37**	**6.0736**	**.05211**
Stddev	.00013	.00031	.00156	.00135	1.50	.0288	.00089
%RSD	3.0211	.41367	.65325	.94400	.58242	.47491	1.7041
#1	.00460	.07429	.23786	.14153	256.74	6.0604	.05313
#2	.00439	.07443	.23978	.14240	259.08	6.1067	.05161
#3	.00436	.07488	.24096	.14418	256.29	6.0537	.05158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.454**	**2.9926**	**.01179**	**5.8612**	**.09974**	F **5976.3**	**.27273**
Stddev	.034	.0056	.00007	.0124	.00029	27.9	.00131
%RSD	.21796	.18655	.56096	.21187	.29020	.46672	.47961
#1	15.429	2.9930	.01173	5.8603	.09961	5952.2	.27334
#2	15.492	2.9980	.01179	5.8740	.09953	5969.8	.27123
#3	15.440	2.9868	.01186	5.8492	.10007	6006.9	.27361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082439 Acquired: 3/31/2011 20:07:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.268**	F **157.19**	F **863.33**	**.00665**	**.01067**	F **294.37**	**.00960**
Stddev	3.268	.46	.50	.00140	.00182	.59	.00010
%RSD	7.0636	.29206	.05764	20.984	17.046	.20131	1.0271
#1	-44.839	156.68	862.95	.00752	.00988	293.82	.00965
#2	-43.957	157.56	863.15	.00504	.01275	295.00	.00966
#3	-50.007	157.35	863.90	.00738	.00939	294.29	.00948
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25253**	**.14868**	**.01304**	**.51024**	**.43508**	F **93.143**
Stddev	.00081	.00035	.00042	.00074	.00060	.503
%RSD	.31942	.23587	3.2581	.14416	.13865	.53976
#1	.25264	.14845	.01348	.50946	.43446	92.645
#2	.25327	.14851	.01264	.51036	.43510	93.135
#3	.25167	.14908	.01299	.51091	.43567	93.650
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66681.**	**67592.**
Stddev	53.	647.
%RSD	.07923	.95648
#1	66738.	66942.
#2	66634.	67598.
#3	66671.	68235.

Approved: April 01, 2011

Sample Name: L1103082440 Acquired: 3/31/2011 20:11:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**153.11**	**.10909**	**.11011**	**2.5249**	**.01652**	**53.134**
Stddev	.00009	.70	.00227	.00500	.0050	.00005	.237
%RSD	2.5880	.45827	2.0835	4.5398	.19844	.30954	.44689
#1	.00349	153.89	.10825	.10485	2.5208	.01657	52.864
#2	.00367	152.94	.10735	.11069	2.5305	.01647	53.226
#3	.00357	152.52	.11166	.11479	2.5234	.01652	53.311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00801**	**.11658**	**.19390**	**.19541**	**259.67**	**12.838**	**.08597**
Stddev	.00005	.00025	.00065	.00185	7.71	.042	.00109
%RSD	.66757	.21464	.33372	.94625	2.9700	.32565	1.2657
#1	.00796	.11676	.19436	.19753	251.54	12.790	.08721
#2	.00806	.11629	.19417	.19416	260.58	12.857	.08520
#3	.00802	.11669	.19316	.19452	266.88	12.867	.08549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.280**	**6.7640**	**.01324**	**1.3029**	**.14210**	F **23528.**	**.41226**
Stddev	.110	.0193	.00005	.0063	.00045	22.	.00159
%RSD	.54237	.28541	.34959	.48661	.31853	.09316	.38528
#1	20.159	6.7430	.01326	1.3002	.14257	23553.	.41194
#2	20.310	6.7681	.01327	1.2983	.14167	23514.	.41086
#3	20.373	6.7809	.01318	1.3101	.14204	23517.	.41399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082440 Acquired: 3/31/2011 20:11:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-51.843**	F **297.36**	F **1706.7**	**.00505**	**.01201**	F **320.47**	**.01239**
Stddev	8.147	.83	3.6	.00315	.00212	.50	.00024
%RSD	15.714	.28027	.20873	62.352	17.696	.15603	1.9148
#1	-57.990	298.16	1710.3	.00852	.01296	320.85	.01223
#2	-54.935	296.49	1706.8	.00426	.00957	320.66	.01266
#3	-42.603	297.42	1703.2	.00237	.01349	319.90	.01229
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36489**	**.19896**	**.01062**	**.46696**	**1.0570**	F **128.55**
Stddev	.00118	.00018	.00112	.00150	.0006	.22
%RSD	.32247	.08867	10.510	.32172	.05997	.16969
#1	.36353	.19913	.00961	.46869	1.0576	128.70
#2	.36560	.19898	.01043	.46605	1.0569	128.65
#3	.36553	.19878	.01182	.46613	1.0563	128.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67057.**	**67145.**
Stddev	168.	575.
%RSD	.25041	.85645
#1	66864.	67710.
#2	67170.	67165.
#3	67136.	66560.

Approved: April 01, 2011

Sample Name: L1103082441 Acquired: 3/31/2011 20:15:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**120.80**	**.09123**	**.09535**	**2.3876**	**.01488**	**34.483**
Stddev	.00064	.21	.00037	.00240	.0063	.00002	.078
%RSD	20.772	.17455	.40977	2.5145	.26557	.14706	.22677
#1	.00299	121.01	.09080	.09346	2.3813	.01490	34.428
#2	.00379	120.82	.09139	.09455	2.3939	.01486	34.449
#3	.00251	120.59	.09150	.09805	2.3877	.01489	34.573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	**.11789**	**.19052**	**.14619**	**241.12**	**5.4052**	**.06473**
Stddev	.00012	.00059	.00131	.00018	1.37	.0213	.00129
%RSD	1.9881	.50365	.68651	.12041	.56723	.39421	1.9967
#1	.00592	.11853	.19175	.14629	240.33	5.4133	.06329
#2	.00608	.11736	.18915	.14599	240.34	5.3811	.06511
#3	.00616	.11779	.19065	.14630	242.70	5.4213	.06579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.224**	**5.5848**	**.00912**	**1.5001**	**.12849**	F **6332.5**	**.32015**
Stddev	.046	.0132	.00014	.0063	.00065	26.6	.00086
%RSD	.28309	.23540	1.5205	.42255	.50697	.42056	.26835
#1	16.193	5.5774	.00918	1.5059	.12776	6302.1	.31916
#2	16.202	5.5770	.00896	1.4933	.12872	6351.5	.32070
#3	16.277	5.6000	.00921	1.5011	.12900	6344.1	.32059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082441 Acquired: 3/31/2011 20:15:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.409**	F **102.69**	F **495.61**	**.00721**	**.00807**	F **298.05**	**.00958**
Stddev	4.041	.28	2.51	.00051	.00236	.61	.00005
%RSD	8.3467	.27205	.50712	7.1444	29.197	.20621	.47446
#1	-44.823	102.99	492.74	.00702	.01057	297.96	.00963
#2	-47.618	102.64	497.46	.00779	.00589	297.49	.00954
#3	-52.787	102.44	496.62	.00681	.00777	298.70	.00958
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27095**	**.14774**	**.01178**	**.42965**	**.58981**	F **97.545**
Stddev	.00092	.00031	.00123	.00062	.00163	.227
%RSD	.33941	.21150	10.480	.14354	.27640	.23314
#1	.27117	.14782	.01248	.43022	.59156	97.805
#2	.26994	.14800	.01250	.42974	.58952	97.382
#3	.27174	.14739	.01035	.42900	.58834	97.448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67468.**	**67019.**
Stddev	168.	476.
%RSD	.24948	.70990
#1	67289.	66681.
#2	67623.	67563.
#3	67491.	66812.

Approved: April 01, 2011

Sample Name: L1103082442 Acquired: 3/31/2011 20:18:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**115.98**	**.09610**	**.10608**	**2.2019**	**.01417**	**56.270**
Stddev	.00044	1.57	.00058	.00330	.0067	.00002	.138
%RSD	15.676	1.3549	.60666	3.1152	.30557	.12632	.24548
#1	.00230	114.21	.09582	.10693	2.2038	.01415	56.268
#2	.00303	117.20	.09570	.10887	2.2074	.01418	56.410
#3	.00308	116.54	.09677	.10243	2.1944	.01419	56.133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00469**	**.11681**	**.20781**	**.15223**	**243.43**	**13.124**	**.05746**
Stddev	.00004	.00044	.00072	.00118	5.71	.032	.00126
%RSD	.78131	.37496	.34508	.77720	2.3444	.24480	2.1852
#1	.00471	.11632	.20705	.15101	245.01	13.129	.05684
#2	.00472	.11696	.20848	.15232	248.18	13.153	.05890
#3	.00465	.11715	.20790	.15337	237.10	13.089	.05663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.205**	**4.5655**	**.01230**	**1.4149**	**.11768**	F **14851.**	**.28694**
Stddev	.048	.0051	.00041	.0041	.00068	37.	.00055
%RSD	.26288	.11132	3.3265	.29287	.58038	.25081	.19231
#1	18.184	4.5640	.01252	1.4186	.11764	14809.	.28662
#2	18.260	4.5712	.01256	1.4105	.11701	14881.	.28662
#3	18.171	4.5613	.01183	1.4158	.11837	14862.	.28757
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082442 Acquired: 3/31/2011 20:18:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.243**	F **261.43**	F **1446.0**	**.00604**	**.01318**	F **315.66**	**.01038**
Stddev	2.443	1.39	1.7	.00037	.00047	.58	.00025
%RSD	5.5212	.53104	.11500	6.1829	3.5771	.18361	2.3789
#1	-43.381	260.09	1444.3	.00603	.01356	315.02	.01013
#2	-47.000	261.33	1446.2	.00641	.01332	316.15	.01040
#3	-42.349	262.86	1447.6	.00567	.01265	315.81	.01063
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33828**	**.13947**	**.01073**	**.45871**	**.64185**	F **91.836**
Stddev	.00093	.00115	.00097	.00058	.00094	.177
%RSD	.27580	.82209	9.0274	.12709	.14705	.19220
#1	.33868	.13914	.00962	.45900	.64099	91.634
#2	.33895	.14075	.01114	.45909	.64286	91.959
#3	.33722	.13853	.01142	.45804	.64171	91.915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67414.**	**66947.**
Stddev	76.	287.
%RSD	.11201	.42863
#1	67415.	66972.
#2	67337.	66648.
#3	67488.	67220.

Approved: April 01, 2011

Sample Name: L1103082443 Acquired: 3/31/2011 20:22:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**154.45**	**.09607**	**.11632**	**3.0591**	**.01922**	**45.706**
Stddev	.00013	1.44	.00079	.00010	.0180	.00008	.094
%RSD	7.1502	.93327	.82505	.08340	.58727	.42314	.20464
#1	.00194	154.67	.09554	.11644	3.0773	.01922	45.795
#2	.00170	152.92	.09698	.11627	3.0588	.01915	45.713
#3	.00175	155.78	.09569	.11626	3.0413	.01931	45.608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00519**	**.15871**	**.22810**	**.13981**	**300.64**	**7.4861**	**.07392**
Stddev	.00011	.00015	.00039	.00042	.76	.0245	.00116
%RSD	2.0521	.09382	.16895	.29976	.25381	.32714	1.5720
#1	.00531	.15864	.22773	.14011	300.31	7.4956	.07305
#2	.00517	.15862	.22807	.13999	300.10	7.5044	.07348
#3	.00510	.15889	.22850	.13933	301.51	7.4583	.07524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.953**	**5.8266**	**.01093**	**2.9588**	**.14346**	F **5618.5**	**.32298**
Stddev	.053	.0051	.00017	.0012	.00006	15.4	.00128
%RSD	.24188	.08795	1.5792	.04029	.04257	.27369	.39526
#1	21.974	5.8237	.01103	2.9589	.14353	5614.2	.32167
#2	21.993	5.8236	.01103	2.9576	.14344	5605.7	.32422
#3	21.893	5.8325	.01073	2.9599	.14341	5635.6	.32306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082443 Acquired: 3/31/2011 20:22:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.455**	F **121.39**	F **542.33**	**.00566**	**.00783**	F **303.33**	**.01090**
Stddev	7.181	.11	.32	.00154	.00353	.25	.00021
%RSD	14.232	.09411	.05876	27.167	45.090	.08138	1.8922
#1	-53.974	121.38	542.20	.00604	.01186	303.34	.01098
#2	-42.194	121.51	542.69	.00397	.00527	303.57	.01105
#3	-55.198	121.28	542.10	.00697	.00637	303.08	.01067
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32499**	**.08263**	**.01167**	**.51998**	**.49498**	F **107.21**
Stddev	.00059	.00076	.00037	.00178	.00076	.17
%RSD	.18001	.92410	3.1659	.34314	.15277	.16116
#1	.32510	.08338	.01202	.51909	.49503	107.39
#2	.32436	.08267	.01129	.51881	.49421	107.19
#3	.32551	.08185	.01170	.52203	.49572	107.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66480.**	**68165.**
Stddev	5.	408.
%RSD	.00785	.59821
#1	66483.	67782.
#2	66474.	68120.
#3	66484.	68593.

Approved: April 01, 2011

Sample Name: L1103082444 Acquired: 3/31/2011 20:25:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**142.80**	**.11891**	**.11641**	**2.2912**	**.01681**	**43.665**
Stddev	.00036	1.89	.00041	.00298	.0081	.00005	.325
%RSD	11.508	1.3252	.34523	2.5609	.35423	.31404	.74519
#1	.00273	141.84	.11930	.11309	2.2830	.01676	43.330
#2	.00341	141.57	.11897	.11886	2.2912	.01681	43.684
#3	.00328	144.98	.11848	.11727	2.2993	.01687	43.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.15881**	**.24623**	**.17195**	**295.02**	**10.051**	**.06854**
Stddev	.00002	.00065	.00057	.00069	3.59	.068	.00063
%RSD	.44701	.40955	.22964	.40004	1.2177	.67169	.92365
#1	.00451	.15925	.24683	.17266	290.87	9.9777	.06864
#2	.00455	.15806	.24571	.17128	296.99	10.064	.06912
#3	.00452	.15912	.24614	.17192	297.19	10.111	.06786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.369**	**6.2781**	**.01345**	**.60968**	**.11994**	F **14193.**	**.32327**
Stddev	.196	.0490	.00026	.00670	.00025	32.	.00246
%RSD	1.0095	.78058	1.9351	1.0987	.21185	.22857	.76178
#1	19.177	6.2275	.01332	.61741	.12024	14230.	.32595
#2	19.363	6.2815	.01328	.60571	.11978	14170.	.32278
#3	19.568	6.3254	.01375	.60591	.11982	14180.	.32110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082444 Acquired: 3/31/2011 20:25:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.861**	F **186.97**	F **1002.1**	**.00528**	**.01136**	F **310.14**	**.01123**
Stddev	17.662	.52	2.7	.00154	.00157	.39	.00029
%RSD	37.690	.27847	.27021	29.164	13.817	.12499	2.5932
#1	-59.344	187.35	1005.1	.00649	.00981	310.56	.01095
#2	-54.587	186.37	999.80	.00355	.01133	309.79	.01120
#3	-26.652	187.17	1001.4	.00582	.01295	310.06	.01153
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30066**	**.15401**	**.01307**	**.53120**	**.59914**	F **100.33**
Stddev	.00226	.00072	.00039	.00116	.00193	.49
%RSD	.75138	.46530	3.0173	.21787	.32270	.48740
#1	.29832	.15320	.01272	.53193	.60137	99.929
#2	.30084	.15455	.01350	.52987	.59800	100.19
#3	.30282	.15430	.01299	.53181	.59805	100.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66493.**	**68099.**
Stddev	107.	718.
%RSD	.16069	1.0537
#1	66372.	68705.
#2	66575.	68285.
#3	66531.	67306.

Approved: April 01, 2011

Sample Name: L1103082445 Acquired: 3/31/2011 20:29:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**138.08**	**.12077**	**.11314**	**2.6453**	**.01660**	**34.971**
Stddev	.00019	1.13	.00191	.00182	.0077	.00007	.114
%RSD	5.4181	.81955	1.5848	1.6096	.29304	.44930	.32578
#1	.00363	139.23	.12247	.11396	2.6399	.01658	34.906
#2	.00371	136.97	.12114	.11106	2.6542	.01669	35.102
#3	.00334	138.04	.11870	.11441	2.6419	.01654	34.904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	**.10870**	**.29552**	**.17391**	**292.27**	**6.0943**	**.05843**
Stddev	.00006	.00025	.00138	.00058	.84	.0348	.00007
%RSD	1.1934	.23101	.46836	.33316	.28788	.57170	.11758
#1	.00531	.10865	.29580	.17366	292.70	6.0549	.05837
#2	.00520	.10897	.29674	.17350	291.30	6.1071	.05850
#3	.00531	.10848	.29401	.17457	292.81	6.1210	.05841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.257**	**5.0344**	**.01640**	**.92833**	**.10707**	F **8116.6**	**.35645**
Stddev	.040	.0093	.00011	.00299	.00030	7.1	.00019
%RSD	.20696	.18460	.67706	.32229	.27591	.08691	.05395
#1	19.234	5.0293	.01629	.92835	.10675	8109.2	.35625
#2	19.234	5.0451	.01651	.93132	.10733	8123.2	.35644
#3	19.303	5.0288	.01638	.92533	.10713	8117.3	.35664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082445 Acquired: 3/31/2011 20:29:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.317**	F **110.57**	F **541.22**	**.00887**	**.01129**	F **275.17**	**.01065**
Stddev	10.016	.28	.57	.00141	.00069	.33	.00032
%RSD	16.885	.25671	.10623	15.888	6.0900	.11877	3.0386
#1	-57.614	110.40	541.67	.01037	.01206	274.79	.01074
#2	-70.075	110.90	541.43	.00757	.01108	275.35	.01091
#3	-50.262	110.42	540.58	.00866	.01073	275.36	.01028
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30913**	**.14438**	**.01581**	**.62138**	**.44038**	F **113.81**
Stddev	.00135	.00046	.00072	.00314	.00079	.87
%RSD	.43742	.31979	4.5339	.50573	.17974	.76095
#1	.30860	.14431	.01661	.62347	.44047	114.63
#2	.31067	.14487	.01560	.62290	.44112	113.91
#3	.30813	.14395	.01522	.61776	.43954	112.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66533.**	**68467.**
Stddev	102.	384.
%RSD	.15268	.56147
#1	66481.	68177.
#2	66469.	68903.
#3	66650.	68321.

Approved: April 01, 2011

Sample Name: L1103082446 Acquired: 3/31/2011 20:33:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**118.62**	**.11875**	**.11680**	**2.1786**	**.01422**	**47.626**
Stddev	.00038	.77	.00234	.00056	.0150	.00005	.256
%RSD	9.3883	.65271	1.9729	.48028	.68690	.33149	.53681
#1	.00418	117.91	.11637	.11736	2.1913	.01418	47.743
#2	.00368	118.51	.12106	.11680	2.1824	.01422	47.803
#3	.00444	119.45	.11881	.11624	2.1621	.01427	47.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00853**	**.14914**	**.27403**	**.17591**	**280.19**	**8.7060**	**.05912**
Stddev	.00010	.00038	.00105	.00165	3.22	.0360	.00096
%RSD	1.1149	.25345	.38424	.93997	1.1485	.41301	1.6185
#1	.00844	.14888	.27315	.17449	281.09	8.7336	.05819
#2	.00863	.14895	.27376	.17551	282.87	8.7192	.05907
#3	.00854	.14957	.27520	.17773	276.62	8.6654	.06010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.513**	**8.2649**	**.01375**	**.52370**	**.10171**	F **16295.**	**.36579**
Stddev	.075	.0223	.00005	.00459	.00063	37.	.00053
%RSD	.48585	.27028	.33584	.87632	.61897	.22632	.14470
#1	15.457	8.2445	.01380	.52898	.10193	16254.	.36518
#2	15.599	8.2888	.01376	.52065	.10219	16308.	.36602
#3	15.484	8.2612	.01371	.52147	.10099	16324.	.36616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082446 Acquired: 3/31/2011 20:33:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.612**	F **222.47**	F **1233.3**	**.00755**	**.01373**	F **291.54**	**.01065**
Stddev	4.651	1.32	1.2	.00125	.00257	.99	.00022
%RSD	7.4288	.59140	.09953	16.518	18.711	.33990	2.0534
#1	-66.415	221.06	1232.0	.00899	.01164	290.40	.01090
#2	-57.426	222.69	1234.4	.00679	.01295	292.06	.01048
#3	-63.995	223.66	1233.4	.00688	.01660	292.17	.01058
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30975**	**.18909**	**.01510**	**.56450**	**.72308**	F **97.026**
Stddev	.00096	.00079	.00030	.00240	.00192	.469
%RSD	.30999	.41784	1.9719	.42460	.26521	.48380
#1	.31004	.18825	.01533	.56190	.72163	96.930
#2	.31053	.18983	.01476	.56499	.72235	96.613
#3	.30868	.18918	.01520	.56662	.72526	97.536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66520.**	**67269.**
Stddev	193.	553.
%RSD	.29052	.82219
#1	66672.	67437.
#2	66587.	66651.
#3	66303.	67718.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 20:36:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43316**	**10.458**	**.41286**	**.52365**	**.96986**	**.05156**	**9.5290**
Stddev	.00044	.045	.00128	.00255	.00117	.00019	.0377
%RSD	.10247	.43107	.31035	.48767	.12111	.36339	.39581
#1	.43367	10.456	.41172	.52355	.97109	.05172	9.4889
#2	.43290	10.414	.41425	.52114	.96975	.05135	9.5344
#3	.43290	10.504	.41261	.52625	.96875	.05162	9.5638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05256**	**.20921**	**.50433**	**.51779**	**3.9035**	**47.455**	**.98428**
Stddev	.00005	.00040	.00283	.00004	.0058	.057	.00123
%RSD	.09311	.18916	.56085	.00714	.14836	.12023	.12521
#1	.05261	.20959	.50347	.51783	3.9055	47.405	.98548
#2	.05252	.20925	.50203	.51777	3.9081	47.443	.98302
#3	.05256	.20880	.50748	.51777	3.8970	47.517	.98434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7433**	**.49349**	F **1.1093**	**49.491**	**.50805**	F **-.85314**	**.51625**
Stddev	.0207	.00126	.0016	.229	.00014	2.4534	.00055
%RSD	.21280	.25555	.14102	.46322	.02696	287.58	.10636
#1	9.7367	.49222	1.1075	49.235	.50808	-1.6288	.51631
#2	9.7665	.49474	1.1100	49.563	.50791	1.8944	.51677
#3	9.7266	.49352	1.1104	49.676	.50818	-2.8250	.51568
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 20:36:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.610**	F **8.9968**	F **-.47756**	**1.3139**	**.42155**	F **715.95**	**1.0891**
Stddev	3.957	.0078	.14900	.0035	.00156	.73	.0006
%RSD	22.471	.08716	31.201	.26622	.36919	.10265	.05085
#1	-15.401	8.9981	-.45280	1.3102	.41981	715.25	1.0896
#2	-15.250	8.9884	-.63739	1.3172	.42282	716.72	1.0893
#3	-22.178	9.0040	-.34248	1.3142	.42200	715.88	1.0885
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96416**	**1.0453**	**.52751**	**1.0707**	**1.0230**	F **1.5606**
Stddev	.00425	.0003	.00176	.0022	.0018	.0653
%RSD	.44033	.02545	.33341	.20772	.17718	4.1855
#1	.95944	1.0451	.52721	1.0698	1.0249	1.5039
#2	.96537	1.0456	.52592	1.0692	1.0213	1.6320
#3	.96766	1.0451	.52940	1.0733	1.0227	1.5459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66969.**	**64930.**
Stddev	115.	60.
%RSD	.17128	.09243
#1	66900.	64911.
#2	67101.	64998.
#3	66905.	64882.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 20:39:59 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.01591**	**-.00053**	**.00249**	**.00025**	**.00002**	**.00025**
Stddev	.00060	.00018	.00055	.00026	.00004	.00001	.00992
%RSD	95.444	1.1188	104.22	10.384	14.359	69.323	3976.9
#1	-.00081	.01593	-.00048	.00227	.00022	.00003	-.01084
#2	.00004	.01607	-.00110	.00242	.00023	.00000	.00829
#3	-.00111	.01572	-.00001	.00277	.00029	.00002	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00001**	**-.00001**	**.00031**	**.00675**	**.07254**	**.00176**
Stddev	.00004	.00006	.00026	.00013	.00084	.04288	.00135
%RSD	376.25	615.99	2703.5	40.140	12.476	59.118	77.068
#1	-.00004	.00005	.00019	.00023	.00646	.12084	.00294
#2	.00004	-.00007	-.00030	.00046	.00609	.05785	.00204
#3	-.00003	-.00001	.00008	.00025	.00770	.03893	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00022**	**-.00004**	**.01759**	**.00033**	F **1.9699**	**.00124**
Stddev	.00771	.00029	.00009	.00379	.00013	4.0700	.00055
%RSD	1714.0	132.74	226.13	21.550	38.629	206.61	44.508
#1	.00926	.00009	.00004	.02139	.00042	-1.6075	.00111
#2	-.00509	-.00026	-.00002	.01381	.00018	6.3981	.00185
#3	-.00282	-.00048	-.00013	.01756	.00037	1.1191	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 20:39:59 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-25.038**	F **-.02813**	F **-.26897**	**-.00048**	**-.00042**	**.08298**	**-.00031**
Stddev	3.192	.02536	.33756	.00023	.00157	.04010	.00008
%RSD	12.748	90.176	125.50	48.358	378.01	48.333	26.275
#1	-21.381	-.00959	-.54504	-.00042	.00116	.09031	-.00023
#2	-26.469	-.05703	-.36922	-.00028	-.00198	.03971	-.00031
#3	-27.265	-.01776	.10737	-.00073	-.00043	.11890	-.00039
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00072**	**-.00036**	**.00002**	**-.00053**	**-.00037**
Stddev	.00004	.00026	.00034	.00016	.00006	.09107
%RSD	86.039	35.639	94.078	887.31	11.336	24566.
#1	-.00007	.00098	.00003	.00019	-.00053	-.04113
#2	.00000	.00073	-.00055	-.00009	-.00060	-.06394
#3	-.00008	.00047	-.00057	-.00005	-.00048	.10396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67812.**	**64853.**
Stddev	164.	398.
%RSD	.24134	.61392
#1	67983.	64710.
#2	67657.	65302.
#3	67796.	64545.

Approved: April 01, 2011

Sample Name: L1103082447 Acquired: 3/31/2011 20:43:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00438**	**185.00**	**.15444**	**.16284**	**2.9816**	**.02192**	**40.291**
Stddev	.00004	1.29	.00181	.00362	.0049	.00009	.073
%RSD	.96209	.69536	1.1692	2.2226	.16299	.43299	.18169
#1	.00439	183.83	.15494	.16065	2.9798	.02195	40.218
#2	.00441	184.79	.15244	.16702	2.9871	.02181	40.292
#3	.00433	186.38	.15595	.16085	2.9778	.02200	40.364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00437**	**.16498**	**.40858**	**.16145**	**420.06**	**7.0696**	**.08077**
Stddev	.00010	.00031	.00252	.00043	5.46	.0240	.00116
%RSD	2.3964	.18952	.61638	.26930	1.3004	.33918	1.4404
#1	.00425	.16525	.40833	.16162	418.02	7.0535	.08188
#2	.00444	.16464	.40619	.16096	426.26	7.0971	.07956
#3	.00442	.16504	.41121	.16177	415.92	7.0581	.08088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.220**	**4.9356**	**.02028**	**.97553**	**.12847**	F **8353.6**	**.33540**
Stddev	.041	.0048	.00018	.00310	.00004	7.8	.00053
%RSD	.19452	.09765	.89266	.31780	.02864	.09312	.15905
#1	21.176	4.9302	.02045	.97203	.12851	8358.8	.33507
#2	21.229	4.9372	.02009	.97661	.12847	8344.6	.33512
#3	21.257	4.9394	.02030	.97794	.12844	8357.3	.33602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082447 Acquired: 3/31/2011 20:43:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.959**	F **123.03**	F **600.67**	**.01008**	**.01285**	F **292.66**	**.01276**
Stddev	7.330	.25	.18	.00090	.00188	.23	.00021
%RSD	12.224	.20703	.02924	8.9383	14.621	.07746	1.6576
#1	-58.132	123.22	600.52	.00905	.01150	292.42	.01252
#2	-68.029	122.74	600.63	.01052	.01500	292.88	.01286
#3	-53.715	123.13	600.87	.01068	.01206	292.67	.01291
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33906**	**.15896**	**.02049**	**.79567**	**.31296**	F **147.47**
Stddev	.00044	.00083	.00165	.00210	.00047	.78
%RSD	.12877	.52080	8.0416	.26337	.14981	.53071
#1	.33858	.15950	.02048	.79421	.31253	147.01
#2	.33916	.15937	.01884	.79473	.31288	147.02
#3	.33944	.15801	.02214	.79807	.31346	148.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66466.**	**68776.**
Stddev	90.	255.
%RSD	.13486	.37045
#1	66364.	68482.
#2	66530.	68925.
#3	66504.	68922.

Approved: April 01, 2011

Sample Name: L1103082448 Acquired: 3/31/2011 20:47:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**158.33**	**.10730**	**.11358**	**2.3675**	**.01510**	**58.146**
Stddev	.00058	.66	.00058	.00071	.0084	.00011	.238
%RSD	18.055	.41398	.53823	.62727	.35711	.75627	.40948
#1	.00280	159.09	.10790	.11311	2.3766	.01510	58.093
#2	.00296	157.91	.10675	.11440	2.3659	.01521	58.406
#3	.00387	158.01	.10725	.11323	2.3599	.01498	57.939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.12368**	**.24468**	**.16906**	**265.48**	**11.051**	**.08685**
Stddev	.00011	.00029	.00165	.00076	1.28	.030	.00199
%RSD	2.2506	.23539	.67333	.44829	.48181	.26758	2.2903
#1	.00505	.12368	.24489	.16957	264.09	11.077	.08911
#2	.00514	.12397	.24622	.16943	266.62	11.057	.08605
#3	.00492	.12339	.24294	.16819	265.72	11.018	.08539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.825**	**5.4071**	**.01316**	**3.7848**	**.12964**	F **12385.**	**.31493**
Stddev	.073	.0140	.00014	.0296	.00030	26.	.00135
%RSD	.30547	.25810	1.0570	.78147	.23295	.20961	.42831
#1	23.745	5.3986	.01304	3.7751	.12998	12410.	.31535
#2	23.841	5.4232	.01331	3.8181	.12948	12387.	.31342
#3	23.888	5.3995	.01313	3.7614	.12944	12358.	.31602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082448 Acquired: 3/31/2011 20:47:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.398**	F **208.88**	F **1057.2**	**.00532**	**.01185**	F **315.05**	**.01253**
Stddev	7.377	.26	.5	.00010	.00219	.52	.00032
%RSD	12.419	.12567	.04362	1.8449	18.501	.16362	2.5877
#1	-64.757	208.79	1057.5	.00535	.01436	314.46	.01241
#2	-62.453	209.17	1056.7	.00540	.01038	315.43	.01228
#3	-50.985	208.67	1057.3	.00521	.01079	315.26	.01290
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38812**	**.17992**	**.01189**	**.52015**	**.61461**	F **121.74**
Stddev	.00246	.00075	.00044	.00141	.00053	.34
%RSD	.63394	.41415	3.6909	.27028	.08671	.27819
#1	.38785	.18074	.01237	.51931	.61510	121.96
#2	.39070	.17975	.01179	.52177	.61469	121.90
#3	.38580	.17928	.01150	.51937	.61404	121.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66049.**	**68786.**
Stddev	66.	337.
%RSD	.10017	.49030
#1	66003.	69145.
#2	66018.	68737.
#3	66124.	68476.

Approved: April 01, 2011

Sample Name: L1103082501 Acquired: 3/31/2011 20:50:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**131.22**	**.10983**	**.12331**	**1.5816**	**.01460**	**30.273**
Stddev	.00024	1.15	.00023	.00330	.0033	.00003	.098
%RSD	6.2474	.87603	.21112	2.6750	.20661	.23584	.32260
#1	.00404	132.28	.10979	.12169	1.5812	.01456	30.376
#2	.00374	130.00	.11008	.12710	1.5785	.01460	30.182
#3	.00357	131.39	.10962	.12113	1.5850	.01463	30.261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00539**	**.11048**	**.35012**	**.14390**	**306.21**	**6.9512**	**.07602**
Stddev	.00005	.00029	.00245	.00050	4.83	.0202	.00049
%RSD	.95886	.26603	.70022	.34581	1.5763	.29033	.65012
#1	.00544	.11022	.34794	.14341	303.41	6.9732	.07584
#2	.00538	.11080	.34963	.14390	311.78	6.9468	.07658
#3	.00534	.11042	.35278	.14440	303.43	6.9336	.07563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.133**	**6.0066**	**.01265**	**1.5592**	**.12433**	F **8717.4**	**.39479**
Stddev	.025	.0107	.00027	.0056	.00046	26.7	.00023
%RSD	.16539	.17735	2.1429	.36111	.37067	.30680	.05928
#1	15.151	6.0178	.01276	1.5657	.12381	8689.2	.39495
#2	15.104	5.9966	.01234	1.5562	.12468	8742.4	.39452
#3	15.143	6.0053	.01285	1.5557	.12451	8720.5	.39489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082501 Acquired: 3/31/2011 20:50:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.630**	F **145.22**	F **808.13**	**.00776**	**.00983**	F **306.83**	**.03455**
Stddev	7.468	.37	1.12	.00064	.00075	.74	.00006
%RSD	12.525	.25547	.13822	8.2003	7.6402	.24018	.16692
#1	-55.168	144.81	806.86	.00778	.00913	306.13	.03456
#2	-68.252	145.54	808.53	.00838	.00975	306.77	.03461
#3	-55.470	145.32	808.98	.00711	.01062	307.60	.03449
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21651**	**.21847**	**.01531**	**.55889**	**.55152**	F **103.17**
Stddev	.00079	.00062	.00036	.00120	.00160	.17
%RSD	.36673	.28360	2.3524	.21383	.29013	.16052
#1	.21741	.21919	.01501	.55777	.54968	102.98
#2	.21624	.21815	.01571	.56015	.55224	103.22
#3	.21590	.21808	.01520	.55875	.55263	103.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66846.**	**68926.**
Stddev	121.	430.
%RSD	.18056	.62350
#1	66946.	68438.
#2	66712.	69093.
#3	66881.	69247.

Approved: April 01, 2011

Sample Name: L1103082502 Acquired: 3/31/2011 20:54:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**146.51**	**.10494**	**.10344**	**2.5269**	**.01544**	**39.202**
Stddev	.00040	.38	.00080	.00130	.0047	.00001	.143
%RSD	11.514	.25823	.76239	1.2559	.18788	.04867	.36358
#1	.00396	146.25	.10491	.10490	2.5225	.01545	39.209
#2	.00336	146.33	.10415	.10302	2.5262	.01543	39.056
#3	.00320	146.94	.10575	.10241	2.5320	.01544	39.340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00681**	**.09178**	**.23362**	**.16769**	**255.24**	**8.2161**	**.07446**
Stddev	.00009	.00051	.00066	.00093	2.98	.0342	.00053
%RSD	1.3362	.55431	.28307	.55536	1.1683	.41614	.70561
#1	.00671	.09156	.23364	.16723	258.32	8.2165	.07386
#2	.00681	.09141	.23427	.16708	255.03	8.1817	.07464
#3	.00690	.09236	.23295	.16876	252.36	8.2501	.07487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.458**	**4.8012**	**.01083**	**2.6315**	**.11528**	F **8327.7**	**.35328**
Stddev	.055	.0078	.00032	.0151	.00105	39.9	.00056
%RSD	.33270	.16241	2.9731	.57235	.91061	.47880	.15723
#1	16.510	4.8006	.01046	2.6270	.11412	8302.7	.35324
#2	16.401	4.7938	.01105	2.6192	.11556	8306.8	.35275
#3	16.463	4.8093	.01098	2.6483	.11616	8373.7	.35386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082502 Acquired: 3/31/2011 20:54:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.872**	F **139.39**	F **715.12**	**.00633**	**.00740**	F **300.83**	**.01113**
Stddev	5.657	.08	1.03	.00052	.00177	.38	.00021
%RSD	10.700	.06040	.14380	8.2147	23.968	.12663	1.9217
#1	-46.395	139.49	715.46	.00579	.00813	300.79	.01099
#2	-55.378	139.35	715.94	.00638	.00538	301.23	.01103
#3	-56.844	139.33	713.97	.00683	.00869	300.47	.01138
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30478**	**.17725**	**.01212**	**.48895**	**.69417**	F **119.67**
Stddev	.00084	.00021	.00059	.00142	.00088	.62
%RSD	.27468	.12045	4.8439	.29005	.12681	.52047
#1	.30457	.17717	.01153	.48911	.69335	119.77
#2	.30406	.17749	.01213	.49028	.69510	120.24
#3	.30570	.17709	.01271	.48745	.69407	119.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66804.**	**68211.**
Stddev	57.	724.
%RSD	.08492	1.0608
#1	66742.	67378.
#2	66853.	68564.
#3	66817.	68690.

Approved: April 01, 2011

Sample Name: L1103082503 Acquired: 3/31/2011 20:57:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**130.57**	**.11209**	**.11812**	**2.1443**	**.01852**	**41.016**
Stddev	.00029	1.11	.00069	.00241	.0067	.00009	.163
%RSD	7.3815	.85121	.61518	2.0375	.31062	.46523	.39850
#1	.00413	131.86	.11283	.11542	2.1389	.01862	40.844
#2	.00364	129.92	.11197	.12006	2.1423	.01848	41.034
#3	.00416	129.94	.11147	.11886	2.1518	.01845	41.169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.12538**	**.20743**	**.13633**	**295.85**	**5.0332**	**.05069**
Stddev	.00012	.00058	.00201	.00182	3.65	.0386	.00059
%RSD	2.8074	.46034	.97131	1.3346	1.2321	.76681	1.1720
#1	.00413	.12603	.20975	.13830	291.67	4.9898	.05030
#2	.00428	.12491	.20641	.13599	298.34	5.0636	.05039
#3	.00406	.12521	.20613	.13470	297.55	5.0462	.05137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.068**	**10.463**	**.01328**	**13.859**	**.11960**	F **6001.6**	**.35888**
Stddev	.129	.017	.00015	.046	.00042	1.9	.00034
%RSD	.41499	.16217	1.1057	.33237	.35381	.03232	.09345
#1	30.932	10.446	.01345	13.806	.12003	6003.8	.35874
#2	31.083	10.464	.01318	13.889	.11918	6000.6	.35926
#3	31.189	10.480	.01321	13.882	.11959	6000.4	.35864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082503 Acquired: 3/31/2011 20:57:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.770**	F **135.70**	F **674.56**	**.00543**	**.01412**	F **323.02**	**.01059**
Stddev	4.332	.57	.46	.00019	.00139	.15	.00014
%RSD	8.8832	.41970	.06770	3.4379	9.8618	.04661	1.3486
#1	-44.102	136.25	674.50	.00558	.01253	322.89	.01059
#2	-52.661	135.73	674.14	.00550	.01472	323.18	.01073
#3	-49.548	135.11	675.05	.00522	.01512	322.99	.01045
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40437**	**.12101**	**.01566**	**.55801**	**.28740**	F **62.853**
Stddev	.00068	.00103	.00113	.00329	.00075	.455
%RSD	.16865	.84840	7.2211	.58919	.26182	.72345
#1	.40359	.11983	.01587	.56174	.28826	63.335
#2	.40472	.12152	.01444	.55554	.28694	62.792
#3	.40482	.12168	.01668	.55675	.28698	62.432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66418.**	**67613.**
Stddev	295.	359.
%RSD	.44433	.53028
#1	66083.	67992.
#2	66535.	67567.
#3	66637.	67280.

Approved: April 01, 2011

Sample Name: L1103082503S Acquired: 3/31/2011 21:01:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19049**	**154.47**	**.29702**	**.13004**	**3.4629**	**.01999**	**45.571**
Stddev	.00036	.30	.00109	.00072	.0097	.00007	.098
%RSD	.19055	.19596	.36771	.55688	.28099	.36381	.21488
#1	.19069	154.79	.29609	.13048	3.4521	.01992	45.459
#2	.19071	154.41	.29823	.12921	3.4710	.02007	45.615
#3	.19007	154.19	.29675	.13044	3.4657	.01999	45.640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02702**	**.19658**	**.26595**	**.37140**	**325.41**	**6.1165**	**.06352**
Stddev	.00006	.00032	.00204	.00118	1.04	.0483	.00007
%RSD	.23490	.16139	.76840	.31696	.32056	.78949	.10784
#1	.02700	.19622	.26376	.37006	326.07	6.0633	.06353
#2	.02697	.19682	.26781	.37188	324.21	6.1285	.06358
#3	.02709	.19669	.26628	.37227	325.94	6.1576	.06345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.412**	**11.967**	**.01640**	**11.455**	**.12854**	F **7100.2**	**.62911**
Stddev	.144	.021	.00025	.008	.00037	8.3	.00185
%RSD	.52434	.17370	1.5109	.06630	.28421	.11736	.29465
#1	27.255	11.943	.01620	11.447	.12896	7105.1	.62698
#2	27.444	11.980	.01632	11.457	.12835	7105.0	.63039
#3	27.537	11.978	.01667	11.462	.12831	7090.6	.62995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082503S Acquired: 3/31/2011 21:01:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.478**	F **155.67**	F **788.04**	**.00684**	**.01681**	F **316.13**	**.01144**
Stddev	1.285	.24	.67	.00151	.00164	.44	.00009
%RSD	2.4486	.15624	.08526	22.140	9.7515	.13992	.80025
#1	-53.490	155.40	788.45	.00737	.01495	316.05	.01140
#2	-51.032	155.87	788.41	.00801	.01745	316.60	.01137
#3	-52.911	155.74	787.26	.00513	.01803	315.73	.01154
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43717**	**.14554**	**.01762**	**.64105**	**.32462**	F **95.671**
Stddev	.00027	.00076	.00023	.00291	.00039	.658
%RSD	.06138	.51893	1.3318	.45459	.11983	.68805
#1	.43688	.14610	.01763	.63815	.32418	94.977
#2	.43723	.14583	.01738	.64397	.32478	96.286
#3	.43740	.14468	.01785	.64103	.32491	95.749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66573.**	**68278.**
Stddev	100.	134.
%RSD	.15089	.19686
#1	66677.	68332.
#2	66476.	68378.
#3	66568.	68126.

Approved: April 01, 2011

Sample Name: L1103082503SD Acquired: 3/31/2011 21:04:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18631**	**158.43**	**.30422**	**.13446**	**2.9684**	**.01923**	**52.667**
Stddev	.00093	.15	.00161	.00168	.0133	.00001	.312
%RSD	.50045	.09319	.52997	1.2496	.44738	.05806	.59148
#1	.18535	158.28	.30444	.13381	2.9533	.01922	52.330
#2	.18722	158.58	.30251	.13637	2.9784	.01923	52.945
#3	.18635	158.43	.30571	.13321	2.9735	.01924	52.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02781**	**.18607**	**.27359**	**.39312**	**324.84**	**7.5027**	**.06997**
Stddev	.00006	.00024	.00059	.00059	4.06	.0572	.00186
%RSD	.21643	.13151	.21479	.15030	1.2505	.76208	2.6569
#1	.02786	.18617	.27418	.39367	323.30	7.4378	.07123
#2	.02781	.18624	.27300	.39318	329.44	7.5457	.06783
#3	.02774	.18579	.27358	.39250	321.77	7.5244	.07083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.172**	**8.5534**	**.01611**	**11.296**	**.13871**	F **9425.5**	**.59320**
Stddev	.086	.0160	.00021	.057	.00027	10.0	.00129
%RSD	.31831	.18682	1.2867	.50230	.19704	.10590	.21796
#1	27.097	8.5382	.01601	11.233	.13880	9414.1	.59329
#2	27.266	8.5701	.01597	11.344	.13840	9430.0	.59186
#3	27.152	8.5521	.01635	11.310	.13892	9432.5	.59444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082503SD Acquired: 3/31/2011 21:04:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360106-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.253**	F **181.17**	F **930.26**	**.00841**	**.01618**	F **318.15**	**.01202**
Stddev	7.070	.52	1.69	.00198	.00162	.28	.00039
%RSD	14.068	.28727	.18212	23.563	10.041	.08795	3.2101
#1	-47.677	181.72	932.14	.01012	.01782	318.38	.01174
#2	-44.832	181.10	929.78	.00624	.01614	318.23	.01246
#3	-58.249	180.69	928.85	.00889	.01457	317.84	.01186
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44985**	**.16758**	**.01700**	**.64009**	**.41929**	F **108.77**
Stddev	.00211	.00087	.00125	.00226	.00065	.52
%RSD	.46917	.52142	7.3430	.35342	.15432	.48172
#1	.44752	.16665	.01661	.63981	.41858	109.34
#2	.45163	.16839	.01839	.64248	.41984	108.65
#3	.45040	.16768	.01599	.63799	.41946	108.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66735.**	**67308.**
Stddev	115.	585.
%RSD	.17268	.86910
#1	66696.	67462.
#2	66644.	66662.
#3	66864.	67801.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 21:08:36 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43482**	**10.477**	**.41641**	**.52498**	**.98310**	**.05144**	**9.6343**
Stddev	.00253	.063	.00271	.00274	.00511	.00017	.0405
%RSD	.58267	.60311	.64962	.52229	.52006	.33015	.42037
#1	.43732	10.530	.41884	.52779	.98788	.05163	9.6810
#2	.43226	10.494	.41690	.52483	.98371	.05140	9.6143
#3	.43488	10.407	.41349	.52232	.97771	.05130	9.6078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05298**	**.21049**	**.50420**	**.52235**	**3.9769**	**48.082**	**.99422**
Stddev	.00042	.00151	.00233	.00390	.0244	.135	.00401
%RSD	.78487	.71714	.46175	.74573	.61405	.28046	.40368
#1	.05327	.21158	.50610	.52578	4.0019	48.235	.99636
#2	.05316	.21112	.50489	.52315	3.9758	48.033	.99671
#3	.05250	.20876	.50160	.51812	3.9531	47.979	.98959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8747**	**.49703**	F **1.1097**	**49.815**	**.51009**	F **6.8274**	**.51307**
Stddev	.0338	.00085	.0009	.125	.00127	3.7984	.00091
%RSD	.34279	.17021	.08431	.25148	.24877	55.635	.17802
#1	9.9002	.49727	1.1087	49.933	.51115	10.058	.51376
#2	9.8876	.49773	1.1100	49.684	.51045	7.7818	.51342
#3	9.8363	.49609	1.1105	49.830	.50869	2.6427	.51204
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 21:08:36 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.136**	F **8.9003**	F **-.80131**	**1.3139**	**.42521**	F **718.65**	**1.0907**
Stddev	7.248	.0621	.08617	.0079	.00200	2.96	.0038
%RSD	55.177	.69752	10.754	.60466	.47078	.41191	.34721
#1	-18.477	8.9710	-.77885	1.3200	.42544	720.86	1.0946
#2	-16.045	8.8754	-.72860	1.3168	.42709	719.81	1.0905
#3	-4.8851	8.8546	-.89649	1.3050	.42311	715.29	1.0870
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97023**	**1.0511**	**.53086**	**1.0735**	**1.0267**	F **1.5132**
Stddev	.00262	.0019	.00245	.0054	.0041	.0655
%RSD	.27015	.18020	.46196	.50456	.40289	4.3300
#1	.97300	1.0529	.53352	1.0797	1.0312	1.5655
#2	.96779	1.0513	.53038	1.0700	1.0258	1.4397
#3	.96988	1.0491	.52868	1.0707	1.0231	1.5343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66771.**	**63974.**
Stddev	230.	31.
%RSD	.34416	.04916
#1	66541.	63946.
#2	66773.	63968.
#3	67000.	64008.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 21:11:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.02494**	**.00057**	**.00192**	**.00072**	**.00001**	**.00935**
Stddev	.00015	.00211	.00013	.00081	.00015	.00001	.00285
%RSD	33.702	8.4647	22.899	42.057	21.251	52.946	30.546
#1	-.00050	.02726	.00067	.00198	.00078	.00000	.01059
#2	-.00027	.02441	.00042	.00109	.00083	.00002	.01136
#3	-.00054	.02314	.00062	.00270	.00054	.00002	.00608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00012**	**.00004**	**-.00002**	**.05166**	**.07435**	**-.00004**
Stddev	.00006	.00011	.00008	.00014	.00643	.02750	.00136
%RSD	549.71	88.033	224.24	886.51	12.451	36.986	3769.4
#1	.00006	.00006	.00001	.00004	.04885	.06544	.00153
#2	-.00005	.00025	.00013	-.00017	.05901	.05241	-.00073
#3	-.00004	.00006	-.00003	.00009	.04710	.10520	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00864**	**.00092**	**.00008**	**.03223**	**.00008**	F **-1.4430**	**.00064**
Stddev	.00233	.00012	.00015	.00924	.00014	4.9071	.00034
%RSD	26.941	12.935	181.15	28.663	167.68	340.06	52.715
#1	.00972	.00095	-.00005	.03628	.00003	2.0985	.00082
#2	.00597	.00102	.00024	.03874	.00024	.61675	.00085
#3	.01024	.00079	.00005	.02166	-.00003	-7.0444	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 21:11:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.004**	F **-.05265**	F **-.29261**	**-.00138**	**-.00082**	**.05640**	**-.00015**
Stddev	6.146	.01024	.08199	.00025	.00094	.06793	.00018
%RSD	32.339	19.443	28.021	18.379	115.61	120.44	114.22
#1	-17.877	-.06355	-.29500	-.00126	-.00104	.07785	-.00011
#2	-25.636	-.05117	-.20945	-.00168	-.00163	.11102	.00000
#3	-13.500	-.04324	-.37338	-.00121	.00022	-.01966	-.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00081**	**.00033**	**.00000**	**-.00049**	F **.14519**
Stddev	.00003	.00096	.00057	.00012	.00001	.07008
%RSD	15.190	118.25	172.35	18721.	2.1401	48.264
#1	.00026	.00031	.00094	-.00010	-.00050	.07654
#2	.00021	.00192	-.00019	-.00004	-.00050	.21661
#3	.00019	.00021	.00025	.00014	-.00048	.14242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68475.**	**64176.**
Stddev	158.	601.
%RSD	.23080	.93623
#1	68649.	63842.
#2	68438.	64870.
#3	68339.	63817.

Approved: April 01, 2011

Sample Name: PBS 9A Acquired: 3/31/2011 21:15:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00512**	**-.00272**	**-.00042**	**.00212**	**.00002**	**.01455**
Stddev	.00012	.00060	.00124	.00069	.00028	.00002	.00609
%RSD	37.908	11.711	45.494	162.87	13.079	83.835	41.849
#1	.00043	.00443	-.00138	-.00007	.00184	.00004	.01768
#2	.00033	.00544	-.00382	-.00121	.00213	.00001	.01843
#3	.00019	.00549	-.00296	.00002	.00240	.00001	.00753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00030**	**.00143**	**.00021**	**.01729**	**.08019**	**.00061**
Stddev	.00006	.00010	.00018	.00023	.00251	.01188	.00009
%RSD	32.734	32.488	12.486	112.82	14.515	14.812	15.262
#1	.00023	-.00030	.00153	-.00002	.01534	.07727	.00051
#2	.00017	-.00040	.00153	.00020	.02012	.09325	.00070
#3	.00012	-.00020	.00122	.00044	.01641	.07004	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**-.00077**	**.00025**	**.03918**	**.00051**	F **-22.043**	**.00153**
Stddev	.00550	.00007	.00008	.01223	.00024	4.927	.00069
%RSD	148.00	8.8776	32.429	31.223	46.573	22.353	45.196
#1	.00909	-.00069	.00031	.04432	.00069	-26.754	.00197
#2	-.00189	-.00078	.00028	.04800	.00024	-16.925	.00073
#3	.00395	-.00083	.00016	.02521	.00060	-22.449	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: PBS 9A Acquired: 3/31/2011 21:15:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-33.499**	**1.2076**	**7.9040**	**.00103**	**.00183**	**1.7354**	**.00040**
Stddev	2.386	.0279	.2868	.00125	.00114	.0217	.00027
%RSD	7.1237	2.3087	3.6291	120.38	62.360	1.2531	67.129
#1	-33.654	1.2380	8.0819	.00247	.00137	1.7378	.00014
#2	-31.039	1.1833	8.0571	.00043	.00313	1.7558	.00038
#3	-35.804	1.2015	7.5731	.00020	.00099	1.7126	.00067
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00221**	**-.00175**	**.00008**	**.00163**	F **-.00413**
Stddev	.00005	.00024	.00084	.00030	.00003	.04124
%RSD	127.35	10.790	48.131	367.64	1.6352	999.35
#1	.00001	.00222	-.00212	-.00025	.00163	-.05127
#2	.00001	.00244	-.00079	.00031	.00160	.01362
#3	.00011	.00197	-.00235	.00019	.00165	.02527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67024.**	**64465.**
Stddev	83.	178.
%RSD	.12377	.27543
#1	67049.	64387.
#2	67091.	64340.
#3	66931.	64668.

Approved: April 01, 2011

Sample Name: LCSS 9A Acquired: 3/31/2011 21:18:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20738**	**.00310**	**.19849**	**-.00033**	**.00131**	**.00004**	**.00402**
Stddev	.00005	.00138	.00134	.00038	.00013	.00000	.00349
%RSD	.02491	44.307	.67713	115.05	9.8202	7.3137	86.678
#1	.20744	.00445	.19703	.00010	.00137	.00004	.00709
#2	.20734	.00316	.19967	-.00047	.00141	.00004	.00475
#3	.20738	.00170	.19878	-.00062	.00117	.00004	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02542**	**-.00050**	**.00103**	**.26482**	**.01914**	**.01327**	**-.00021**
Stddev	.00008	.00011	.00005	.00092	.00345	.01319	.00156
%RSD	.30090	22.188	4.4824	.34730	18.048	99.407	731.65
#1	.02536	-.00045	.00104	.26407	.01821	.02835	-.00111
#2	.02540	-.00043	.00106	.26453	.02296	.00765	.00159
#3	.02551	-.00063	.00098	.26584	.01624	.00382	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00548**	**.26250**	**.00007**	**.02493**	**.00088**	F **-25.205**	**.26949**
Stddev	.00304	.00024	.00009	.00691	.00004	5.404	.00004
%RSD	55.502	.09293	129.84	27.721	4.0320	21.438	.01573
#1	.00515	.26257	.00001	.03261	.00090	-30.046	.26954
#2	.00866	.26223	.00002	.01920	.00090	-19.375	.26946
#3	.00261	.26270	.00018	.02299	.00084	-26.195	.26948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 9A Acquired: 3/31/2011 21:18:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-26.448**	**.03569**	**.01912**	**.00047**	**.00122**	**1.7106**	**-.00018**
Stddev	4.653	.00582	.18340	.00056	.00047	.0190	.00009
%RSD	17.593	16.295	958.99	120.01	38.931	1.1075	49.595
#1	-27.934	.02909	.22270	.00092	.00073	1.7325	-.00008
#2	-30.177	.03789	-.13319	.00065	.00167	1.6987	-.00024
#3	-21.234	.04008	-.03214	-.00016	.00125	1.7008	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00194**	**-.00165**	**-.00006**	**.00228**	**.00557**
Stddev	.00004	.00063	.00063	.00015	.00005	.06596
%RSD	57.997	32.425	37.986	230.37	2.1712	1185.3
#1	-.00003	.00199	-.00130	-.00010	.00231	-.06983
#2	-.00010	.00255	-.00237	.00010	.00222	.03392
#3	-.00007	.00129	-.00127	-.00019	.00230	.05261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66690.**	**63722.**
Stddev	174.	98.
%RSD	.26066	.15379
#1	66788.	63673.
#2	66792.	63835.
#3	66489.	63658.

Approved: April 01, 2011

Sample Name: L1103082504 Acquired: 3/31/2011 21:22:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**-.07352**	**.01479**	**-.00246**	**-.00127**	**.00029**	**-.00025**
Stddev	.00429	.00057	.01146	.00032	.00029	.00001	.00426
%RSD	116.72	.77042	77.483	12.811	22.572	3.2131	1709.5
#1	.00860	-.07306	.00269	-.00256	-.00096	.00029	-.00507
#2	.00159	-.07415	.02548	-.00211	-.00153	.00030	.00133
#3	.00083	-.07334	.01619	-.00271	-.00131	.00028	.00299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.00023**	**.00029**	**.01598**	**.00574**	**.00693**	**.00284**
Stddev	.00154	.00011	.00013	.01574	.00240	.01861	.00100
%RSD	108.31	49.260	45.269	98.535	41.764	268.58	35.147
#1	-.00017	.00033	.00015	-.00049	.00825	-.01155	.00208
#2	.00289	.00011	.00041	.03088	.00349	.02568	.00397
#3	.00153	.00024	.00030	.01753	.00547	.00666	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00264**	**-.00010**	**-.00027**	**.01639**	**.00093**	F **-2.6925**	**.01977**
Stddev	.00153	.00087	.00001	.01328	.00010	3.3547	.01571
%RSD	57.914	879.65	5.4994	81.041	10.445	124.59	79.455
#1	.00114	-.00063	-.00028	.00126	.00104	-1.4006	.00311
#2	.00420	-.00058	-.00025	.02176	.00085	-6.5012	.03430
#3	.00260	.00091	-.00028	.02614	.00091	-.17591	.02190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082504 Acquired: 3/31/2011 21:22:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.976**	F **-.40321**	F **-2.2661**	**-.00271**	**.00154**	F **-1.2839**	**-.00050**
Stddev	21.674	.01694	.0711	.00115	.00028	.3681	.00010
%RSD	34.972	4.2001	3.1366	42.441	18.135	28.671	19.010
#1	-39.205	-.42274	-2.3372	-.00404	.00166	-1.7058	-.00061
#2	-82.354	-.39441	-2.2661	-.00208	.00173	-1.1177	-.00044
#3	-64.368	-.39250	-2.1950	-.00201	.00122	-1.0281	-.00045
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00327**	**.00246**	**-.00014**	**-.00055**	**.39437**
Stddev	.00004	.00063	.00055	.00012	.00016	.05237
%RSD	20.825	19.387	22.418	86.123	28.427	13.280
#1	-.00015	.00259	.00309	.00000	-.00071	.36450
#2	-.00022	.00336	.00203	-.00018	-.00040	.36376
#3	-.00022	.00385	.00228	-.00023	-.00054	.45484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**132110.**	**121420.**
Stddev	5002.	10304.
%RSD	3.7862	8.4865
#1	137660.	112040.
#2	127960.	132450.
#3	130720.	119750.

Approved: April 01, 2011

Sample Name: L1103082504PS Acquired: 3/31/2011 21:25:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360450-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**-.07580**	**.01028**	**-.00246**	**-.00118**	**.00029**	**-.00658**
Stddev	.00229	.00042	.00672	.00021	.00042	.00001	.00835
%RSD	97.477	.55513	65.365	8.6158	35.077	3.2804	126.94
#1	.00129	-.07628	.00388	-.00225	-.00119	.00030	-.00312
#2	.00078	-.07548	.01728	-.00246	-.00160	.00029	-.00051
#3	.00498	-.07565	.00967	-.00267	-.00077	.00028	-.01610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00026**	**.00017**	**.00979**	**.00704**	**-.00333**	**.00237**
Stddev	.00087	.00003	.00014	.00884	.00383	.01632	.00120
%RSD	102.12	10.857	84.893	90.360	54.473	489.57	50.757
#1	.00000	.00024	.00026	.00147	.00501	-.01745	.00247
#2	.00174	.00024	.00024	.01908	.00465	.01453	.00352
#3	.00081	.00029	.00000	.00881	.01146	-.00708	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00022**	**-.00025**	**-.00115**	**.00096**	F **-4.6579**	**.01429**
Stddev	.00304	.00078	.00001	.01949	.00008	4.0495	.00948
%RSD	1430.3	361.36	4.9075	1695.9	8.1434	86.937	66.310
#1	-.00368	-.00077	-.00024	-.00375	.00090	-.26359	.00563
#2	.00196	-.00056	-.00026	.01951	.00105	-5.4711	.02441
#3	.00109	.00068	-.00026	-.01920	.00092	-8.2391	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082504PS Acquired: 3/31/2011 21:25:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360450-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.167**	F **-.42687**	F **-2.2146**	**-.00380**	**.00056**	F **-1.4221**	**-.00046**
Stddev	30.988	.00390	.0640	.00037	.00078	.1568	.00010
%RSD	68.606	.91268	2.8880	9.7798	140.62	11.023	22.729
#1	-42.199	-.43114	-2.2599	-.00389	.00030	-1.5049	-.00055
#2	-77.533	-.42350	-2.2424	-.00411	.00143	-1.2413	-.00048
#3	-15.771	-.42597	-2.1414	-.00339	-.00007	-1.5201	-.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00256**	**.00307**	**-.00027**	**-.00059**	**.37392**
Stddev	.00007	.00111	.00050	.00005	.00010	.05442
%RSD	37.050	43.317	16.191	18.303	17.362	14.553
#1	-.00018	.00210	.00250	-.00021	-.00067	.32718
#2	-.00025	.00382	.00331	-.00031	-.00047	.43366
#3	-.00012	.00175	.00341	-.00029	-.00062	.36093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**133730.**	**114030.**
Stddev	1851.	15432.
%RSD	1.3839	13.533
#1	133950.	114280.
#2	131770.	129340.
#3	135460.	98481.

Approved: April 01, 2011

Sample Name: L1103082504DL Acquired: 3/31/2011 21:29:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**70.155**	**.02475**	**.03324**	**.45771**	**.00339**	**12.736**
Stddev	.00040	.392	.00010	.00016	.00126	.00002	.079
%RSD	43.211	.55883	.40112	.49443	.27570	.61368	.62369
#1	.00056	70.545	.02464	.03324	.45916	.00340	12.821
#2	.00135	70.158	.02478	.03340	.45714	.00336	12.663
#3	.00086	69.761	.02483	.03308	.45684	.00339	12.724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**.02494**	**.06500**	**.04831**	**62.052**	**6.0682**	**.04547**
Stddev	.00006	.00024	.00069	.00049	.271	.0268	.00081
%RSD	3.5847	.94482	1.0632	1.0138	.43664	.44142	1.7906
#1	.00163	.02515	.06580	.04883	62.334	6.0854	.04493
#2	.00173	.02498	.06463	.04822	61.794	6.0373	.04507
#3	.00173	.02468	.06457	.04786	62.029	6.0819	.04640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7493**	**1.4023**	**.00228**	**.56875**	**.04272**	F **5400.7**	**.11838**
Stddev	.0345	.0053	.00019	.00253	.00018	35.9	.00200
%RSD	.51159	.37726	8.4774	.44411	.42958	.66430	1.6863
#1	6.7849	1.4071	.00233	.57155	.04293	5428.8	.12068
#2	6.7160	1.3966	.00245	.56664	.04265	5413.1	.11718
#3	6.7471	1.4032	.00207	.56805	.04258	5360.3	.11726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082504DL Acquired: 3/31/2011 21:29:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-21.712**	F **68.424**	F **384.72**	**-.00082**	**.00225**	**65.547**	**.00326**
Stddev	7.774	.807	1.33	.00118	.00095	.354	.00009
%RSD	35.808	1.1797	.34672	143.15	42.020	.54004	2.7625
#1	-20.189	69.173	385.95	-.00099	.00117	65.853	.00317
#2	-30.135	68.531	384.91	.00043	.00292	65.630	.00325
#3	-14.811	67.569	383.30	-.00191	.00267	65.160	.00335
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08779**	**.08017**	**.00448**	**.11438**	**.33725**	**33.023**
Stddev	.00048	.00058	.00116	.00132	.00118	.044
%RSD	.54283	.71977	25.988	1.1507	.34995	.13370
#1	.08824	.08082	.00545	.11572	.33830	33.030
#2	.08729	.07974	.00319	.11433	.33747	33.063
#3	.08785	.07993	.00481	.11309	.33597	32.975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68994.**	**65512.**
Stddev	388.	297.
%RSD	.56277	.45287
#1	68583.	65316.
#2	69044.	65854.
#3	69354.	65367.

Approved: April 01, 2011

Sample Name: L1103082504DL Acquired: 3/31/2011 21:32:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**-.07200**	**.00465**	**-.00253**	**.00000**	**.00027**	**.04155**
Stddev	.00045	.00274	.00074	.00011	.0023	.00001	.06863
%RSD	37.095	3.8065	16.030	4.4179	53136.	3.6908	165.16
#1	.00126	-.06996	.00450	-.00259	-.00100	.00026	-.00610
#2	.00164	-.07094	.00545	-.00260	-.00161	.00027	.01055
#3	.00074	-.07512	.00399	-.00240	.00260	.00028	.12021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00257**	**.00014**	**.00430**	**.20281**	**.02474**	**.00351**
Stddev	.00003	.00076	.00012	.00186	.30687	.02304	.00043
%RSD	56.914	29.630	86.745	43.184	151.31	93.131	12.363
#1	-.00006	.00301	.00014	.00540	.01959	.01464	.00319
#2	-.00002	.00300	.00027	.00534	.03175	.00847	.00401
#3	-.00009	.00169	.00002	.00216	.55708	.05110	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01810**	**.00391**	**-.00009**	**.01877**	**.00527**	**466.16**	**.01549**
Stddev	.03643	.00707	.00010	.01191	.00144	160.45	.00466
%RSD	201.23	180.73	116.62	63.457	27.265	34.419	30.087
#1	-.00455	-.00031	.00001	.00561	.00614	555.84	.01780
#2	-.00127	-.00003	-.00008	.02881	.00606	561.72	.01854
#3	.06013	.01208	-.00019	.02190	.00361	280.92	.01012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082504DL Acquired: 3/31/2011 21:32:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.222**	**5.5299**	F **30.096**	**-.00319**	**.00157**	**5.3280**	**-.00014**
Stddev	23.073	2.0678	10.780	.00049	.00057	.5467	.00011
%RSD	31.948	37.394	35.818	15.380	36.442	10.260	83.150
#1	-46.966	6.6661	36.067	-.00262	.00158	5.2299	-.00001
#2	-92.196	6.7805	36.570	-.00350	.00099	5.9172	-.00016
#3	-77.503	3.1431	17.652	-.00344	.00213	4.8371	-.00024
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00337**	**.00299**	**-.00027**	**.03273**	**.39538**
Stddev	.00043	.00104	.00027	.00006	.01194	.07523
%RSD	2066.8	30.805	8.9906	24.168	36.480	19.028
#1	-.00021	.00219	.00291	-.00029	.03869	.41756
#2	-.00025	.00375	.00278	-.00020	.04051	.31155
#3	.00052	.00415	.00329	-.00032	.01898	.45703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**135280.**	**122310.**
Stddev	7550.	11992.
%RSD	5.5810	9.8047
#1	130850.	111430.
#2	130990.	135160.
#3	144000.	120330.

Approved: April 01, 2011

Sample Name: L1103082505 Acquired: 3/31/2011 21:36:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**-.07676**	**.00380**	**-.00265**	**-.00046**	**.00029**	**.01312**
Stddev	.00031	.00193	.00114	.00022	.00142	.00001	.02427
%RSD	29.998	2.5107	29.999	8.2547	307.10	2.5278	185.01
#1	.00117	-.07613	.00346	-.00284	-.00132	.00029	-.01096
#2	.00067	-.07892	.00287	-.00241	-.00124	.00029	.01273
#3	.00124	-.07522	.00507	-.00269	.00118	.00028	.03758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00113**	**.00008**	**.00109**	**.12203**	**.01336**	**.00247**
Stddev	.00009	.00145	.00018	.00321	.15589	.02788	.00110
%RSD	57.887	128.61	230.26	294.38	127.74	208.69	44.604
#1	-.00017	.00025	.00019	-.00094	.00692	.00056	.00252
#2	-.00025	.00033	.00018	-.00058	.05974	-.00583	.00356
#3	-.00007	.00280	-.00013	.00479	.29943	.04535	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02060**	**.00192**	**-.00027**	**.00658**	**.00241**	**169.39**	**.00769**
Stddev	.01691	.00360	.00017	.01629	.00266	299.85	.00836
%RSD	82.095	187.00	64.230	247.65	110.30	177.01	108.69
#1	.00656	-.00060	-.00033	.00721	.00086	-6.5641	.00284
#2	.01586	.00032	-.00040	.02254	.00089	-.8716	.00290
#3	.03937	.00604	-.00007	-.01002	.00548	515.62	.01735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082505 Acquired: 3/31/2011 21:36:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.631**	**1.7819**	F **9.8873**	**-.00344**	**.00147**	**.45339**	**-.00038**
Stddev	31.170	3.8369	20.899	.00106	.00102	3.7463	.00010
%RSD	62.804	215.33	211.37	30.901	69.313	826.30	25.537
#1	-51.237	-.43860	-2.1021	-.00442	.00049	-1.6895	-.00042
#2	-79.967	-.42808	-2.2553	-.00358	.00140	-1.7296	-.00045
#3	-17.689	6.2123	34.019	-.00231	.00252	4.7792	-.00027
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00302**	**.00292**	**-.00017**	**.01120**	**.44081**
Stddev	.00024	.00039	.00015	.00004	.02070	.06258
%RSD	1678.3	12.947	4.9751	22.639	184.73	14.197
#1	-.00014	.00283	.00298	-.00018	-.00073	.42653
#2	-.00017	.00347	.00275	-.00020	-.00076	.50930
#3	.00027	.00276	.00301	-.00012	.03510	.38660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**136710.**	**113870.**
Stddev	4043.	16759.
%RSD	2.9574	14.719
#1	138400.	116140.
#2	139630.	129370.
#3	132090.	96083.

Approved: April 01, 2011

Sample Name: L1103082506 Acquired: 3/31/2011 21:39:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05853**	**235.02**	**.12757**	**.12777**	**2.6060**	**.01517**	**100.07**
Stddev	.00055	1.16	.00074	.00261	.0087	.00006	.48
%RSD	.93286	.49437	.57628	2.0395	.33371	.42238	.47927
#1	.05790	236.34	.12722	.13076	2.6158	.01512	100.57
#2	.05892	234.54	.12708	.12603	2.5992	.01524	99.617
#3	.05875	234.17	.12842	.12651	2.6029	.01514	100.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.14696**	**.29393**	**.15338**	**270.03**	**17.059**	**.17097**
Stddev	.00004	.00009	.00135	.00089	3.66	.076	.00056
%RSD	.80852	.06167	.45956	.58251	1.3552	.44417	.32758
#1	.00515	.14698	.29429	.15367	273.84	17.144	.17043
#2	.00522	.14686	.29506	.15410	266.55	16.999	.17094
#3	.00522	.14704	.29243	.15238	269.69	17.034	.17154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.645**	**11.923**	**.01117**	**1.0555**	**.18515**	F **9392.9**	**.28547**
Stddev	.105	.028	.00013	.0153	.00012	2.1	.00093
%RSD	.39379	.23245	1.1373	1.4521	.06703	.02257	.32413
#1	26.666	11.940	.01126	1.0654	.18502	9392.6	.28530
#2	26.531	11.891	.01123	1.0378	.18526	9395.1	.28463
#3	26.738	11.939	.01102	1.0632	.18515	9390.9	.28646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082506 Acquired: 3/31/2011 21:39:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-75.886**	F **218.50**	F **909.32**	**.00674**	**.01148**	F **299.28**	**.01304**
Stddev	1.571	.38	.31	.00086	.00144	.52	.00028
%RSD	2.0697	.17530	.03362	12.723	12.507	.17475	2.1162
#1	-75.210	218.82	908.97	.00583	.01174	299.73	.01287
#2	-74.767	218.61	909.51	.00754	.01277	299.41	.01336
#3	-77.682	218.08	909.48	.00684	.00994	298.71	.01290
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56760**	**.35856**	**.01535**	**.55769**	**.51829**	F **182.21**
Stddev	.00194	.00121	.00012	.00039	.00092	1.20
%RSD	.34120	.33739	.80864	.06997	.17745	.65681
#1	.56941	.35982	.01524	.55812	.51798	183.57
#2	.56556	.35741	.01532	.55758	.51757	181.71
#3	.56785	.35847	.01549	.55737	.51933	181.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65655.**	**68945.**
Stddev	85.	552.
%RSD	.12928	.80131
#1	65575.	68340.
#2	65648.	69422.
#3	65744.	69075.

Approved: April 01, 2011

Sample Name: L1103082507 Acquired: 3/31/2011 21:43:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**246.01**	**.11400**	**.13473**	**2.6680**	**.01557**	**47.887**
Stddev	.00040	2.05	.00113	.00047	.0092	.00005	.222
%RSD	9.2330	.83198	.98954	.34693	.34289	.30863	.46390
#1	.00438	244.06	.11518	.13463	2.6777	.01557	48.118
#2	.00465	248.14	.11293	.13432	2.6670	.01561	47.868
#3	.00387	245.82	.11388	.13524	2.6595	.01551	47.675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00630**	**.11037**	**.30655**	**.15337**	**282.66**	**15.340**	**.18214**
Stddev	.00001	.00030	.00024	.00118	.75	.040	.00072
%RSD	.19442	.27082	.07813	.76771	.26405	.26294	.39400
#1	.00629	.11019	.30629	.15309	281.84	15.381	.18170
#2	.00629	.11072	.30660	.15466	283.31	15.338	.18175
#3	.00631	.11021	.30676	.15235	282.83	15.301	.18297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.525**	**8.7935**	**.01130**	**1.0742**	**.17522**	F **8259.4**	**.31309**
Stddev	.069	.0168	.00003	.0091	.00081	7.4	.00116
%RSD	.27129	.19065	.26048	.84742	.46381	.08997	.37140
#1	25.586	8.8031	.01132	1.0770	.17432	8252.1	.31267
#2	25.539	8.8033	.01132	1.0816	.17590	8266.9	.31441
#3	25.450	8.7742	.01127	1.0640	.17544	8259.3	.31220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082507 Acquired: 3/31/2011 21:43:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-77.432**	F **135.60**	F **644.92**	**.00580**	**.00979**	F **298.13**	**.01374**
Stddev	3.086	.57	1.25	.00107	.00426	.64	.00023
%RSD	3.9860	.42147	.19455	18.485	43.527	.21610	1.6889
#1	-79.197	135.52	643.71	.00621	.00776	297.88	.01380
#2	-79.230	136.21	644.84	.00458	.00693	298.86	.01394
#3	-73.868	135.07	646.21	.00660	.01469	297.64	.01349
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40341**	**.45355**	**.01486**	**.60660**	**.63806**	F **195.51**
Stddev	.00143	.00196	.00041	.00196	.00080	.42
%RSD	.35469	.43171	2.7266	.32262	.12519	.21656
#1	.40492	.45488	.01461	.60750	.63862	195.98
#2	.40324	.45447	.01464	.60795	.63842	195.40
#3	.40207	.45130	.01532	.60436	.63714	195.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66831.**	**68926.**
Stddev	237.	497.
%RSD	.35457	.72118
#1	66751.	68474.
#2	66645.	68845.
#3	67098.	69459.

Approved: April 01, 2011

Sample Name: L1103082508 Acquired: 3/31/2011 21:46:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00444**	**210.43**	**.12838**	**.13670**	**2.3055**	**.01516**	**137.99**
Stddev	.00020	.74	.00188	.00275	.0024	.00008	.28
%RSD	4.4925	.35403	1.4646	2.0120	.10225	.55549	.20581
#1	.00467	210.66	.12922	.13410	2.3035	.01526	137.72
#2	.00435	211.03	.12969	.13642	2.3049	.01510	137.97
#3	.00431	209.60	.12623	.13958	2.3081	.01513	138.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.14593**	**.30834**	**.15156**	**305.63**	**15.458**	**.16713**
Stddev	.00003	.00078	.00263	.00144	3.53	.029	.00164
%RSD	.73321	.53166	.85396	.94912	1.1546	.18762	.98069
#1	.00443	.14674	.31133	.15315	302.12	15.437	.16714
#2	.00441	.14585	.30737	.15115	305.60	15.491	.16876
#3	.00447	.14520	.30634	.15036	309.18	15.447	.16549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.038**	**9.0978**	**.01293**	**.88645**	**.16495**	F **8880.4**	**.36725**
Stddev	.073	.0143	.00021	.00242	.00072	22.2	.00231
%RSD	.27135	.15691	1.6614	.27310	.43684	.25024	.62824
#1	26.954	9.0817	.01290	.88415	.16579	8904.7	.36982
#2	27.092	9.1028	.01316	.88621	.16450	8875.4	.36537
#3	27.067	9.1089	.01273	.88898	.16458	8861.1	.36654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082508 Acquired: 3/31/2011 21:46:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.669**	F **218.28**	F **688.50**	**.00754**	**.01322**	F **301.27**	**.01207**
Stddev	2.459	.85	2.65	.00033	.00167	1.41	.00012
%RSD	3.5294	.39102	.38462	4.3606	12.651	.46831	1.0109
#1	-66.898	219.19	691.07	.00787	.01134	302.48	.01215
#2	-70.523	218.16	688.65	.00722	.01456	301.60	.01193
#3	-71.588	217.50	685.78	.00754	.01376	299.72	.01213
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78652**	**.36725**	**.01709**	**.62770**	**.45369**	F **171.46**
Stddev	.00155	.00044	.00167	.00400	.00061	.99
%RSD	.19722	.11967	9.7419	.63672	.13463	.57605
#1	.78591	.36761	.01601	.63206	.45385	172.57
#2	.78536	.36676	.01901	.62685	.45302	171.16
#3	.78828	.36738	.01626	.62420	.45420	170.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65873.**	**68517.**
Stddev	166.	245.
%RSD	.25167	.35687
#1	65682.	68784.
#2	65971.	68304.
#3	65967.	68462.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 21:50:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42849**	**10.570**	**.41338**	**.52634**	**.99311**	**.05142**	**9.7625**
Stddev	.00112	.060	.00063	.00203	.00385	.00006	.0099
%RSD	.26136	.56337	.15279	.38579	.38792	.11109	.10129
#1	.42727	10.639	.41272	.52868	.98996	.05136	9.7726
#2	.42947	10.544	.41398	.52535	.99196	.05147	9.7619
#3	.42873	10.528	.41344	.52500	.99740	.05143	9.7528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05278**	**.20944**	**.50825**	**.52048**	**4.0646**	**48.380**	**1.0016**
Stddev	.00010	.00051	.00153	.00172	.0024	.065	.0035
%RSD	.19152	.24525	.30062	.33101	.05994	.13429	.34635
#1	.05275	.20925	.50998	.51972	4.0634	48.327	.99770
#2	.05289	.21003	.50709	.52246	4.0674	48.361	1.0043
#3	.05269	.20906	.50769	.51928	4.0631	48.452	1.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9196**	**.50091**	F **1.1153**	**50.107**	**.51073**	F **7.1625**	**.51591**
Stddev	.0260	.00141	.0010	.103	.00080	1.6239	.00276
%RSD	.26176	.28204	.09012	.20628	.15726	22.672	.53444
#1	9.9445	.50237	1.1163	50.187	.50991	9.0023	.51411
#2	9.9216	.50082	1.1153	50.143	.51152	6.5563	.51908
#3	9.8927	.49955	1.1143	49.990	.51076	5.9289	.51453
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 21:50:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.800**	F **8.8971**	F **-.70133**	**1.3129**	**.42339**	F **717.44**	**1.0913**
Stddev	6.149	.0081	.10441	.0019	.00111	.79	.0023
%RSD	31.058	.09107	14.887	.14214	.26302	.11027	.20891
#1	-12.953	8.8878	-.68480	1.3130	.42302	716.96	1.0898
#2	-21.594	8.9008	-.81302	1.3146	.42465	718.35	1.0939
#3	-24.853	8.9027	-.60617	1.3109	.42252	717.00	1.0901
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97827**	**1.0565**	**.52900**	**1.0674**	**1.0272**	F **1.6169**
Stddev	.00179	.0004	.00201	.0032	.0009	.0921
%RSD	.18251	.04032	.38032	.29632	.08391	5.6982
#1	.97891	1.0563	.52758	1.0672	1.0266	1.6038
#2	.97965	1.0564	.53130	1.0707	1.0282	1.5321
#3	.97625	1.0570	.52811	1.0644	1.0269	1.7150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66614.**	**63794.**
Stddev	96.	177.
%RSD	.14385	.27732
#1	66693.	63815.
#2	66507.	63959.
#3	66643.	63607.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 21:53:39 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.02101**	**.00019**	**.00241**	**.00034**	**.00002**	**.00766**
Stddev	.00043	.00474	.00116	.00035	.00014	.00002	.00236
%RSD	112.98	22.583	627.16	14.487	41.925	104.60	30.748
#1	-.00015	.01576	.00150	.00213	.00050	.00000	.00584
#2	-.00088	.02226	-.00069	.00280	.00029	.00003	.01032
#3	-.00011	.02499	-.00025	.00229	.00023	.00002	.00683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00006**	**.00035**	**.00039**	**.01397**	**.05176**	**.00183**
Stddev	.00002	.00010	.00008	.00029	.00278	.02095	.00089
%RSD	21.907	154.72	21.394	74.861	19.889	40.478	48.743
#1	-.00009	.00015	.00030	.00053	.01715	.05988	.00277
#2	-.00006	-.00004	.00031	.00005	.01278	.06743	.00173
#3	-.00009	.00008	.00044	.00057	.01199	.02796	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00842**	**-.00009**	**.00005**	**.02078**	**-.00008**	F **-1.4756**	**.00120**
Stddev	.01286	.00034	.00004	.00857	.00032	2.4072	.00150
%RSD	152.79	365.14	81.650	41.271	387.17	163.14	124.76
#1	-.00448	-.00018	.00008	.01310	.00001	-3.5272	-.00052
#2	.00850	.00028	.00000	.01920	.00018	-2.0739	.00216
#3	.02124	-.00038	.00006	.03003	-.00044	1.1744	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 21:53:39 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-22.332**	F **-.03667**	F **-.40592**	**-.00160**	**-.00222**	**-.05157**	**-.00005**
Stddev	2.600	.03701	.18520	.00220	.00126	.09352	.00006
%RSD	11.644	100.91	45.624	136.96	57.097	181.35	117.57
#1	-24.012	-.06871	-.52094	-.00350	-.00076	-.15127	-.00010
#2	-23.648	-.04516	-.50454	.00080	-.00282	.03422	-.00006
#3	-19.337	.00384	-.19228	-.00211	-.00306	-.03767	.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00129**	**-.00061**	**.00028**	**-.00046**	**.02220**
Stddev	.00008	.00048	.00051	.00019	.00004	.09207
%RSD	34.233	36.910	83.980	68.880	8.2879	414.78
#1	.00016	.00123	-.00003	.00033	-.00041	.12771
#2	.00021	.00085	-.00100	.00044	-.00047	-.04182
#3	.00032	.00180	-.00080	.00007	-.00049	-.01930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68422.**	**63946.**
Stddev	233.	426.
%RSD	.34077	.66576
#1	68467.	63456.
#2	68629.	64222.
#3	68169.	64161.

Approved: April 01, 2011

Sample Name: L1103082509 Acquired: 3/31/2011 21:57:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**166.38**	**.09361**	**.10302**	**2.0377**	**.01272**	**63.178**
Stddev	.00039	.54	.00090	.00274	.0047	.00002	.224
%RSD	12.841	.32238	.96051	2.6558	.23273	.13194	.35533
#1	.00323	166.97	.09463	.10233	2.0323	.01272	62.924
#2	.00260	165.92	.09323	.10603	2.0398	.01273	63.260
#3	.00332	166.25	.09296	.10069	2.0410	.01270	63.350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.09212**	**.21655**	**.12996**	**232.27**	**10.559**	**.11291**
Stddev	.00014	.00040	.00030	.00072	3.77	.033	.00051
%RSD	3.4752	.43566	.14065	.55356	1.6233	.31573	.45198
#1	.00403	.09252	.21662	.13071	232.49	10.530	.11343
#2	.00430	.09211	.21622	.12928	235.93	10.595	.11241
#3	.00409	.09172	.21682	.12987	228.40	10.550	.11289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.791**	**4.8221**	**.01020**	**.91688**	**.13170**	F **6702.7**	**.23530**
Stddev	.119	.0162	.00027	.00707	.00071	9.3	.00038
%RSD	.54694	.33543	2.5998	.77063	.53620	.13914	.16275
#1	21.653	4.8043	.01027	.91377	.13240	6704.8	.23552
#2	21.859	4.8262	.00991	.91190	.13099	6692.5	.23486
#3	21.860	4.8358	.01043	.92496	.13171	6710.8	.23552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082509 Acquired: 3/31/2011 21:57:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.857**	F **129.61**	F **524.93**	**.00548**	**.00965**	F **301.56**	**.01048**
Stddev	3.187	.34	.91	.00135	.00242	1.03	.00016
%RSD	4.8392	.26492	.17289	24.662	25.101	.34209	1.5573
#1	-64.238	130.00	525.45	.00400	.01025	302.67	.01035
#2	-63.804	129.51	525.46	.00664	.01171	301.39	.01043
#3	-69.528	129.34	523.88	.00580	.00698	300.63	.01066
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43043**	**.23890**	**.01100**	**.45332**	**.44008**	F **138.69**
Stddev	.00153	.00015	.00198	.00196	.00037	.39
%RSD	.35435	.06166	18.029	.43245	.08341	.28035
#1	.42889	.23898	.01220	.45554	.44049	139.13
#2	.43045	.23899	.00871	.45182	.43996	138.42
#3	.43194	.23873	.01208	.45259	.43979	138.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67104.**	**68815.**
Stddev	229.	333.
%RSD	.34145	.48447
#1	66869.	68804.
#2	67116.	68488.
#3	67327.	69154.

Approved: April 01, 2011

Sample Name: L1103082510S Acquired: 3/31/2011 22:00:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18826**	**193.47**	**.26902**	**.12243**	**2.0048**	**.01301**	**47.468**
Stddev	.00091	.19	.00064	.00135	.0100	.00004	.200
%RSD	.48468	.10029	.23972	1.1048	.49723	.33395	.42106
#1	.18900	193.46	.26835	.12268	2.0075	.01305	47.626
#2	.18724	193.28	.26908	.12364	2.0131	.01301	47.535
#3	.18853	193.67	.26964	.12097	1.9937	.01297	47.243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02658**	**.09661**	**.25701**	**.36272**	**260.10**	**14.769**	**.15119**
Stddev	.00002	.00025	.00078	.00128	2.10	.056	.00060
%RSD	.08093	.26258	.30249	.35367	.80631	.37978	.39810
#1	.02659	.09631	.25743	.36148	262.52	14.805	.15049
#2	.02659	.09677	.25748	.36263	258.87	14.798	.15157
#3	.02655	.09674	.25611	.36404	258.92	14.705	.15149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.602**	**4.9159**	**.00974**	**.93560**	**.16577**	F **7520.3**	**.45030**
Stddev	.064	.0076	.00021	.00745	.00038	5.2	.00033
%RSD	.26104	.15561	2.1837	.79590	.22904	.06891	.07245
#1	24.577	4.9198	.00996	.94318	.16612	7519.8	.44993
#2	24.675	4.9207	.00972	.93533	.16536	7525.7	.45040
#3	24.554	4.9071	.00953	.92830	.16582	7515.4	.45056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082510S Acquired: 3/31/2011 22:00:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.589**	F **104.19**	F **436.29**	**.00448**	**.00561**	F **329.53**	**.01076**
Stddev	4.001	.26	.11	.00212	.00078	.17	.00025
%RSD	6.1940	.24546	.02608	47.373	13.870	.05249	2.3372
#1	-68.582	103.90	436.20	.00692	.00471	329.34	.01104
#2	-64.605	104.29	436.42	.00304	.00608	329.68	.01056
#3	-60.580	104.38	436.25	.00348	.00602	329.56	.01067
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38556**	**.35303**	**.01095**	**.48760**	**.58451**	F **136.88**
Stddev	.00167	.00122	.00077	.00189	.00041	.58
%RSD	.43257	.34587	7.0143	.38767	.06971	.42187
#1	.38733	.35341	.01119	.48902	.58450	137.54
#2	.38535	.35401	.01009	.48545	.58411	136.44
#3	.38402	.35166	.01157	.48832	.58492	136.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67082.**	**67921.**
Stddev	9.	294.
%RSD	.01283	.43245
#1	67091.	67582.
#2	67073.	68084.
#3	67082.	68097.

Approved: April 01, 2011

Sample Name: L1103082511SD Acquired: 3/31/2011 22:04:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18272**	**242.18**	**.30539**	**.14391**	**3.0410**	**.01725**	**41.254**
Stddev	.00169	.75	.00112	.00323	.0132	.00002	.217
%RSD	.92549	.30868	.36584	2.2476	.43369	.13698	.52712
#1	.18155	243.01	.30622	.14749	3.0346	.01728	41.337
#2	.18466	241.97	.30412	.14120	3.0562	.01725	41.417
#3	.18195	241.56	.30584	.14305	3.0323	.01723	41.007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02584**	**.15096**	**.31043**	**.36196**	**329.60**	**13.327**	**.15669**
Stddev	.00003	.00009	.00140	.00055	2.17	.060	.00114
%RSD	.09967	.05686	.45129	.15158	.65947	.45301	.72755
#1	.02587	.15103	.31124	.36256	331.84	13.330	.15669
#2	.02582	.15087	.31124	.36149	327.50	13.386	.15555
#3	.02582	.15099	.30881	.36183	329.47	13.265	.15783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.016**	**9.7389**	**.01710**	**1.0985**	**.15185**	F **6950.7**	**.62303**
Stddev	.025	.0098	.00031	.0085	.00121	11.1	.00052
%RSD	.09365	.10008	1.8413	.77160	.79590	.15954	.08425
#1	27.009	9.7468	.01718	1.1010	.15049	6938.5	.62329
#2	27.044	9.7419	.01737	1.1054	.15226	6953.5	.62243
#3	26.995	9.7280	.01675	1.0890	.15280	6960.1	.62339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082511SD Acquired: 3/31/2011 22:04:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-73.272**	F **104.68**	F **475.13**	**.00646**	**.01400**	F **316.90**	**.01305**
Stddev	8.928	.06	.18	.00189	.00127	.51	.00017
%RSD	12.185	.05395	.03816	29.185	9.0624	.16010	1.2874
#1	-76.964	104.74	475.34	.00736	.01299	317.34	.01288
#2	-79.761	104.64	475.02	.00773	.01358	317.01	.01322
#3	-63.090	104.65	475.04	.00429	.01542	316.34	.01306
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36594**	**.33677**	**.01872**	**.67995**	**.41413**	F **183.19**
Stddev	.00191	.00042	.00107	.00260	.00062	.83
%RSD	.52321	.12455	5.6913	.38166	.14942	.45194
#1	.36730	.33652	.01800	.67905	.41371	183.41
#2	.36678	.33725	.01994	.68288	.41485	183.88
#3	.36375	.33653	.01821	.67793	.41385	182.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67475.**	**69257.**
Stddev	72.	433.
%RSD	.10687	.62477
#1	67427.	68822.
#2	67440.	69261.
#3	67558.	69687.

Approved: April 01, 2011

Sample Name: L1103082512 Acquired: 3/31/2011 22:07:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**180.43**	**.09223**	**.09895**	**1.9852**	**.01284**	**39.792**
Stddev	.00082	.78	.00126	.00169	.0107	.00004	.187
%RSD	26.439	.43272	1.3701	1.7033	.54164	.34366	.46973
#1	.00252	180.00	.09085	.10009	1.9925	.01281	39.900
#2	.00404	181.34	.09252	.09976	1.9729	.01289	39.576
#3	.00274	179.97	.09333	.09702	1.9903	.01282	39.900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00540**	**.09661**	**.24839**	**.14129**	**220.88**	**10.583**	**.12348**
Stddev	.00009	.00021	.00037	.00110	3.29	.046	.00068
%RSD	1.6300	.22019	.14704	.78139	1.4893	.43769	.55453
#1	.00550	.09645	.24797	.14002	223.02	10.633	.12342
#2	.00535	.09685	.24856	.14205	222.52	10.541	.12283
#3	.00535	.09653	.24864	.14180	217.09	10.575	.12420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.548**	**5.3958**	**.00955**	**.73030**	**.12394**	F **9031.6**	**.25884**
Stddev	.068	.0077	.00007	.00929	.00073	10.0	.00153
%RSD	.38834	.14344	.68509	1.2725	.58693	.11079	.59065
#1	17.621	5.4030	.00962	.72019	.12358	9020.4	.25830
#2	17.486	5.3876	.00950	.73847	.12347	9039.6	.25766
#3	17.538	5.3969	.00952	.73225	.12478	9035.0	.26057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082512 Acquired: 3/31/2011 22:07:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.267**	F **141.74**	F **732.29**	**.00506**	**.00801**	F **341.82**	**.01126**
Stddev	2.999	.53	.98	.00126	.00090	.65	.00012
%RSD	4.9759	.37677	.13444	25.009	11.214	.18984	1.0259
#1	-61.093	141.36	731.39	.00637	.00757	341.17	.01122
#2	-56.941	142.35	733.34	.00495	.00904	342.47	.01117
#3	-62.765	141.52	732.14	.00385	.00742	341.82	.01139
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30792**	**.28206**	**.01146**	**.48265**	**.57052**	F **145.48**
Stddev	.00103	.00100	.00177	.00083	.00103	.45
%RSD	.33519	.35587	15.486	.17223	.18065	.30701
#1	.30901	.28316	.01056	.48180	.56959	145.47
#2	.30696	.28185	.01031	.48268	.57163	145.03
#3	.30778	.28118	.01350	.48346	.57035	145.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67214.**	**69028.**
Stddev	143.	231.
%RSD	.21336	.33398
#1	67253.	68811.
#2	67055.	69005.
#3	67333.	69270.

Approved: April 01, 2011

Sample Name: L1103082513 Acquired: 3/31/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00417**	**206.53**	**.09558**	**.10740**	**2.4023**	**.01395**	**36.002**
Stddev	.00018	2.02	.00182	.00422	.0108	.00004	.223
%RSD	4.3308	.97970	1.9071	3.9309	.45052	.30453	.61916
#1	.00397	206.37	.09366	.10269	2.3907	.01391	35.771
#2	.00425	204.58	.09579	.10869	2.4038	.01400	36.017
#3	.00430	208.62	.09729	.11083	2.4122	.01394	36.216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**.16589**	**.25824**	**.11889**	**233.83**	**11.282**	**.14719**
Stddev	.00005	.00101	.00137	.00087	6.77	.054	.00103
%RSD	.96805	.60710	.52999	.72913	2.8931	.47608	.70093
#1	.00531	.16496	.25683	.11820	226.53	11.220	.14631
#2	.00541	.16574	.25956	.11860	235.08	11.307	.14693
#3	.00537	.16696	.25835	.11986	239.89	11.318	.14832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.784**	**11.899**	**.01043**	**.85632**	**.14913**	F **7511.4**	**.29424**
Stddev	.132	.032	.00007	.00139	.00018	22.6	.00144
%RSD	.66929	.26586	.66114	.16267	.12080	.30107	.49084
#1	19.632	11.863	.01051	.85666	.14906	7487.8	.29282
#2	19.846	11.921	.01037	.85479	.14899	7513.5	.29571
#3	19.873	11.913	.01040	.85751	.14933	7532.9	.29419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082513 Acquired: 3/31/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.313**	F **116.61**	F **588.16**	**.00575**	**.01103**	F **304.91**	**.01175**
Stddev	9.559	.85	.10	.00179	.00198	.39	.00023
%RSD	16.393	.72696	.01643	31.117	17.955	.12771	1.9727
#1	-66.757	115.69	588.06	.00776	.01066	304.47	.01156
#2	-60.248	116.77	588.17	.00436	.00926	305.05	.01169
#3	-47.935	117.37	588.26	.00512	.01316	305.21	.01201
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31245**	**.31502**	**.01529**	**.52746**	**.49229**	F **162.31**
Stddev	.00143	.00216	.00085	.00296	.00160	.76
%RSD	.45833	.68574	5.5595	.56139	.32433	.47061
#1	.31096	.31256	.01452	.52425	.49062	161.43
#2	.31258	.31659	.01515	.52805	.49244	162.78
#3	.31382	.31592	.01620	.53008	.49380	162.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67375.**	**68284.**
Stddev	273.	441.
%RSD	.40499	.64601
#1	67671.	68793.
#2	67320.	68015.
#3	67133.	68044.

Approved: April 01, 2011

Sample Name: L1103082514 Acquired: 3/31/2011 22:15:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.01562**	**.00811**	**-.00210**	**.00392**	**.00030**	**.08317**
Stddev	.00027	.03933	.00526	.00061	.00765	.00002	.11970
%RSD	23.465	251.77	64.831	29.281	194.98	6.3334	143.92
#1	.00146	.05636	.01160	-.00248	-.00088	.00031	.00208
#2	.00097	.01263	.00206	-.00243	-.00010	.00030	.02679
#3	.00103	-.02213	.01066	-.00139	.01275	.00028	.22065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.01075**	**.00020**	**.00806**	**.58232**	**.03436**	**.00367**
Stddev	.00015	.00902	.00006	.00737	.82668	.03895	.00140
%RSD	223.25	83.863	29.589	91.433	141.96	113.36	38.101
#1	.00014	.01611	.00017	.01248	.05005	.01894	.00253
#2	-.00010	.00034	.00027	-.00045	.16222	.00548	.00523
#3	.00016	.01580	.00016	.01214	1.5347	.07866	.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05476**	**.02789**	**.00030**	**.01715**	**.01066**	**456.95**	**.02585**
Stddev	.08032	.04130	.00049	.01280	.00831	398.28	.01993
%RSD	146.69	148.08	161.56	74.621	77.941	87.159	77.119
#1	.00518	.00092	.00064	.01176	.01558	695.51	.03798
#2	.01166	.00731	-.00026	.03176	.00107	-2.8282	.00284
#3	.14743	.07543	.00054	.00793	.01533	678.17	.03672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082514 Acquired: 3/31/2011 22:15:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.627**	**6.8111**	F **32.330**	**-.00271**	**.00232**	**16.670**	**.00028**
Stddev	22.192	6.2292	29.438	.00076	.00042	15.862	.00061
%RSD	34.338	91.458	91.055	27.989	18.027	95.154	220.31
#1	-51.632	10.534	50.245	-.00237	.00238	26.180	.00078
#2	-90.251	-.38035	-1.6453	-.00358	.00188	-1.6415	-.00041
#3	-51.998	10.280	48.390	-.00218	.00271	25.471	.00046
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00402**	**.00251**	**.00006**	**.03272**	**.43565**
Stddev	.00106	.00155	.00068	.00008	.02874	.08451
%RSD	209.35	38.680	27.155	129.80	87.833	19.398
#1	-.00017	.00275	.00196	.00016	.04971	.53215
#2	-.00004	.00355	.00328	.00001	-.00046	.40002
#3	.00173	.00575	.00231	.00002	.04892	.37480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**133270.**	**120120.**
Stddev	6042.	12147.
%RSD	4.5339	10.112
#1	131300.	115950.
#2	140060.	133810.
#3	128460.	110620.

Approved: April 01, 2011

Sample Name: L1103082515 Acquired: 3/31/2011 22:18:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**-.06780**	**.01013**	**-.00196**	**.00910**	**.00029**	**.16311**
Stddev	.00027	.00701	.00788	.00123	.01711	.00002	.27183
%RSD	18.060	10.346	77.772	62.710	188.02	6.9722	166.66
#1	.00126	-.06278	.00271	-.00293	-.00088	.00031	-.00522
#2	.00181	-.06480	.01839	-.00238	-.00068	.00028	.01783
#3	.00148	-.07582	.00928	-.00058	.02885	.00028	.47671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01347**	**-.00005**	**.01050**	**1.1074**	**.05494**	**.00377**
Stddev	.00033	.01445	.00022	.01225	1.8095	.08888	.00197
%RSD	394.41	107.28	459.79	116.71	163.40	161.78	52.248
#1	-.00024	.00027	.00012	-.00068	.02007	.01672	.00166
#2	.00042	.02891	.00003	.02359	.10589	-.00844	.00409
#3	.00007	.01122	-.00029	.00857	3.1963	.15654	.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10798**	**.05579**	**.00051**	**.01246**	**.01345**	**588.16**	**.03218**
Stddev	.17263	.09255	.00097	.01357	.01377	652.02	.03073
%RSD	159.88	165.88	191.04	108.92	102.34	110.86	95.490
#1	.00745	.00027	-.00033	-.00315	.00095	-4.6711	.00417
#2	.00917	.00447	.00158	.02144	.02820	1286.5	.06506
#3	.30731	.16263	.00028	.01908	.01120	482.65	.02733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082515 Acquired: 3/31/2011 22:18:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.098**	**8.9304**	F **43.357**	**-.00137**	**.00069**	**21.826**	**.00050**
Stddev	20.597	10.256	50.237	.00304	.00163	25.760	.00093
%RSD	33.711	114.84	115.87	221.35	236.08	118.02	184.92
#1	-38.361	-.45591	-2.1490	-.00363	.00115	-1.6592	-.00037
#2	-78.507	19.877	97.265	.00208	-.00112	49.377	.00148
#3	-66.426	7.3705	34.954	-.00258	.00204	17.760	.00040
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00478**	**.00252**	**-.00011**	**.04165**	**.42816**
Stddev	.00235	.00288	.00044	.00009	.04595	.10017
%RSD	196.57	60.218	17.503	85.087	110.31	23.395
#1	-.00023	.00319	.00289	-.00003	-.00076	.50996
#2	-.00009	.00306	.00203	-.00008	.09046	.31644
#3	.00390	.00811	.00264	-.00021	.03526	.45808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**131230.**	**118250.**
Stddev	11164.	10198.
%RSD	8.5072	8.6239
#1	141500.	110340.
#2	119350.	129760.
#3	132850.	114660.

Approved: April 01, 2011

Sample Name: L1103082516 Acquired: 3/31/2011 22:21:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**-.05896**	**.00577**	**-.00203**	**.00007**	**.00029**	**.00904**
Stddev	.00009	.01138	.00611	.00021	.00117	.00001	.02843
%RSD	7.9523	19.308	106.06	10.486	1746.3	4.7300	314.54
#1	.00123	-.04581	.00223	-.00221	-.00127	.00029	-.00924
#2	.00105	-.06550	.00224	-.00180	.00091	.00029	.04179
#3	.00115	-.06556	.01283	-.00209	.00056	.00027	-.00544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00620**	**.00007**	**.00446**	**.13447**	**-.01241**	**.00225**
Stddev	.00023	.01028	.00015	.00879	.13140	.01858	.00186
%RSD	366.50	165.61	223.41	197.22	97.723	149.67	82.684
#1	-.00026	.00032	-.00010	-.00067	.00559	-.03276	.00262
#2	-.00012	.00023	.00018	-.00057	.26826	-.00814	.00389
#3	.00019	.01807	.00012	.01461	.12954	.00366	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01341**	**.00601**	**.00006**	**-.00328**	**.00632**	**267.63**	**.01580**
Stddev	.01220	.00696	.00057	.03380	.00947	471.27	.02238
%RSD	90.938	115.72	876.16	1031.3	149.86	176.09	141.61
#1	.00331	-.00063	-.00023	.00742	.00110	-3.6837	.00270
#2	.02696	.01325	-.00029	.02388	.00060	-5.2237	.00306
#3	.00996	.00542	.00072	-.04113	.01724	811.81	.04164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082516 Acquired: 3/31/2011 22:21:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.946**	**3.9852**	F **19.434**	**-.00266**	**.00161**	**9.2778**	**-.00012**
Stddev	51.603	7.6363	37.489	.00214	.00090	18.995	.00058
%RSD	135.99	191.62	192.90	80.529	55.513	204.73	470.38
#1	-55.458	-.41245	-2.2384	-.00343	.00108	-1.6914	-.00053
#2	-78.514	-.43482	-2.1820	-.00432	.00112	-1.6863	-.00039
#3	20.134	12.803	62.722	-.00024	.00265	31.211	.00054
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00247**	**.00235**	**.00005**	**.01814**	**.36564**
Stddev	.00017	.00133	.00068	.00011	.03269	.12659
%RSD	531.36	53.900	29.083	223.55	180.23	34.622
#1	-.00023	.00248	.00176	.00005	-.00071	.41194
#2	.00010	.00379	.00310	-.00006	-.00076	.46257
#3	.00003	.00113	.00218	.00015	.05589	.22242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**131730.**	**109460.**
Stddev	12655.	18232.
%RSD	9.6068	16.656
#1	138920.	116940.
#2	139150.	122760.
#3	117120.	88677.

Approved: April 01, 2011

Sample Name: L1103082517 Acquired: 3/31/2011 22:25:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**-.08015**	**.00332**	**-.00265**	**-.00042**	**.00028**	**.00410**
Stddev	.00023	.00109	.00058	.00049	.00105	.00001	.02276
%RSD	17.108	1.3602	17.347	18.405	248.67	3.3693	555.31
#1	.00134	-.07901	.00296	-.00291	-.00145	.00028	-.00684
#2	.00161	-.08119	.00302	-.00208	.00065	.00028	.03026
#3	.00115	-.08025	.00399	-.00294	-.00046	.00027	-.01113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00076**	**.00012**	**-.00025**	**.06818**	**-.00259**	**.00281**
Stddev	.00001	.00084	.00017	.00077	.10639	.00760	.00174
%RSD	7.6510	110.68	134.07	305.97	156.04	293.02	61.682
#1	-.00016	.00027	.00008	-.00090	.00594	.00617	.00277
#2	-.00016	.00028	-.00002	-.00047	.19103	-.00665	.00457
#3	-.00014	.00173	.00031	.00061	.00758	-.00730	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01115**	**.00262**	**-.00027**	**-.00657**	**.00129**	**20.768**	**.00378**
Stddev	.00772	.00554	.00011	.03559	.00053	35.967	.00155
%RSD	69.274	211.30	39.402	541.73	40.833	173.19	40.829
#1	.00876	-.00078	-.00018	.01773	.00089	-1.4177	.00280
#2	.01978	.00901	-.00039	.00997	.00109	1.4545	.00299
#3	.00490	-.00037	-.00025	-.04741	.00188	62.266	.00556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082517 Acquired: 3/31/2011 22:25:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-32.591**	F **-.08489**	F **-.52216**	**-.00353**	**.00238**	**-.75235**	**-.00036**
Stddev	50.240	.64576	3.0225	.00069	.00050	1.7094	.00010
%RSD	154.15	760.65	578.84	19.612	20.919	227.20	27.162
#1	-60.610	-.46535	-2.1582	-.00309	.00212	-1.6979	-.00026
#2	-62.573	-.45005	-2.3740	-.00318	.00295	-1.7800	-.00045
#3	25.409	.66071	2.9657	-.00433	.00206	1.2209	-.00036
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00297**	**.00209**	**-.00027**	**.00081**	**.39100**
Stddev	.00017	.00067	.00066	.00005	.00274	.10348
%RSD	194.14	22.554	31.478	19.589	338.71	26.464
#1	-.00026	.00350	.00138	-.00021	-.00080	.38401
#2	.00006	.00321	.00268	-.00029	-.00075	.29120
#3	-.00006	.00222	.00221	-.00030	.00397	.49780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**135740.**	**106890.**
Stddev	4036.	17350.
%RSD	2.9730	16.231
#1	136630.	119670.
#2	139250.	113870.
#3	131330.	87141.

Approved: April 01, 2011

Sample Name: L1103082518 Acquired: 3/31/2011 22:28:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**-.08100**	**.00308**	**-.00242**	**-.00106**	**.00030**	**-.00211**
Stddev	.00032	.00152	.00032	.00012	.00043	.00001	.01339
%RSD	29.520	1.8732	10.542	4.9373	40.187	2.9618	635.69
#1	.00143	-.07969	.00277	-.00246	-.00155	.00029	-.00473
#2	.00099	-.08266	.00304	-.00228	-.00085	.00031	.01240
#3	.00082	-.08064	.00342	-.00251	-.00077	.00029	-.01400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00034**	**.00019**	**-.00078**	**.02112**	**-.02224**	**.00198**
Stddev	.00001	.00003	.00004	.00015	.03317	.01441	.00190
%RSD	6.8312	8.6923	23.551	19.317	157.06	64.770	95.715
#1	-.00018	.00037	.00018	-.00089	.00300	-.03473	.00189
#2	-.00017	.00031	.00015	-.00085	.05941	-.00648	.00393
#3	-.00019	.00033	.00023	-.00061	.00096	-.02552	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00007**	**-.00036**	**-.00277**	**.00096**	F **-3.8125**	**.00317**
Stddev	.00761	.00159	.00006	.01616	.00020	2.5941	.00041
%RSD	525.40	2284.7	15.671	582.75	20.424	68.043	12.892
#1	-.00149	-.00085	-.00042	.00799	.00113	-1.0894	.00307
#2	.01009	.00191	-.00035	.00504	.00100	-6.2548	.00281
#3	-.00425	-.00085	-.00031	-.02135	.00074	-4.0933	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082518 Acquired: 3/31/2011 22:28:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.879**	F **-.45093**	F **-2.2896**	**-.00336**	**.00112**	F **-1.6913**	**-.00049**
Stddev	37.895	.01681	.0667	.00108	.00082	.0872	.00018
%RSD	86.363	3.7282	2.9112	32.083	72.870	5.1535	37.174
#1	-66.026	-.46934	-2.2624	-.00360	.00019	-1.6018	-.00029
#2	-65.487	-.43638	-2.3655	-.00430	.00172	-1.6961	-.00064
#3	-.1225	-.44708	-2.2408	-.00219	.00147	-1.7759	-.00055
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00265**	**.00288**	**-.00019**	**-.00076**	**.38102**
Stddev	.00007	.00122	.00015	.00003	.00003	.02611
%RSD	40.393	45.998	5.1733	17.945	4.3118	6.8526
#1	-.00023	.00266	.00294	-.00023	-.00077	.40760
#2	-.00009	.00387	.00298	-.00018	-.00073	.35541
#3	-.00019	.00143	.00270	-.00016	-.00079	.38006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**136480.**	**111310.**
Stddev	764.	12357.
%RSD	.55964	11.101
#1	136650.	120300.
#2	137140.	116410.
#3	135640.	97216.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 22:32:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43295**	**10.448**	**.41681**	**.52539**	**.97001**	**.05133**	**9.4833**
Stddev	.00078	.030	.00306	.00162	.00352	.00012	.0450
%RSD	.17996	.28544	.73369	.30794	.36255	.22636	.47416
#1	.43286	10.416	.41345	.52357	.96810	.05128	9.4940
#2	.43376	10.475	.41943	.52593	.96787	.05125	9.4339
#3	.43221	10.452	.41754	.52667	.97407	.05147	9.5219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05293**	**.21064**	**.50377**	**.52160**	**3.8810**	**47.415**	**.98305**
Stddev	.00024	.00047	.00238	.00296	.0111	.178	.00299
%RSD	.44610	.22097	.47291	.56801	.28491	.37523	.30446
#1	.05270	.21010	.50237	.51818	3.8845	47.380	.97993
#2	.05292	.21088	.50243	.52334	3.8686	47.256	.98331
#3	.05317	.21093	.50653	.52328	3.8899	47.607	.98590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7486**	**.49175**	F **1.1061**	**49.252**	**.50880**	F **2.8442**	**.51739**
Stddev	.0159	.00122	.0011	.141	.00080	3.8143	.00505
%RSD	.16352	.24767	.09953	.28663	.15699	134.11	.97571
#1	9.7389	.49076	1.1069	49.266	.50798	.05860	.51159
#2	9.7398	.49139	1.1049	49.104	.50958	1.2825	.51981
#3	9.7670	.49311	1.1066	49.385	.50883	7.1914	.52078
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 22:32:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.938**	F **8.9927**	F **-.96229**	**1.3168**	**.42572**	F **717.72**	**1.0912**
Stddev	10.491	.0383	.12714	.0043	.00190	1.64	.0018
%RSD	95.910	.42542	13.212	.32270	.44653	.22810	.16605
#1	-22.734	8.9634	-.99733	1.3126	.42362	715.83	1.0892
#2	-7.4245	8.9789	-.82130	1.3211	.42620	718.81	1.0914
#3	-2.6549	9.0360	-1.0682	1.3168	.42733	718.51	1.0928
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95931**	**1.0414**	**.53040**	**1.0698**	**1.0275**	F **1.5214**
Stddev	.00256	.0008	.00202	.0022	.0023	.1336
%RSD	.26661	.07906	.38081	.20405	.22471	8.7790
#1	.95976	1.0421	.52814	1.0675	1.0248	1.3681
#2	.95656	1.0405	.53101	1.0719	1.0286	1.5834
#3	.96162	1.0417	.53204	1.0699	1.0290	1.6126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65651.**	**63023.**
Stddev	235.	192.
%RSD	.35814	.30403
#1	65922.	62830.
#2	65528.	63213.
#3	65502.	63024.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 22:35:25 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.01263**	**.00020**	**.00204**	**.00079**	**.00000**	**.00200**
Stddev	.00033	.00126	.00093	.00038	.00019	.0000	.00124
%RSD	79.137	9.9785	455.40	18.567	24.521	342.44	61.882
#1	-.00054	.01125	.00090	.00210	.00093	.00000	.00343
#2	-.00004	.01373	.00057	.00164	.00086	-.00001	.00133
#3	-.00066	.01290	-.00085	.00239	.00057	.00001	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00004**	**.00025**	**.00036**	**.00741**	**.06945**	**.00016**
Stddev	.00002	.00010	.00017	.00011	.00157	.03221	.00149
%RSD	83.459	214.43	70.115	30.109	21.182	46.377	911.48
#1	.00003	.00010	.00038	.00031	.00850	.08724	.00185
#2	.00000	-.00007	.00005	.00028	.00812	.08884	-.00043
#3	.00005	.00010	.00031	.00048	.00561	.03227	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00020**	**.00013**	**.02116**	**.00005**	F **.82397**	**.00082**
Stddev	.01406	.00022	.00005	.01012	.00038	5.8721	.00115
%RSD	1826.7	112.80	43.054	47.839	841.54	712.66	139.66
#1	.01623	.00001	.00006	.03246	-.00008	-4.7593	.00014
#2	-.01126	-.00044	.00017	.01293	.00048	.28365	.00018
#3	-.00266	-.00017	.00015	.01809	-.00026	6.9475	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 22:35:25 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.6204**	F **-.05155**	F **-.68096**	**-.00149**	**.00004**	**.00092**	**-.00042**
Stddev	7.2206	.02445	.04621	.00077	.00028	.06342	.00019
%RSD	94.754	47.421	6.7854	51.458	789.12	6904.7	45.811
#1	-3.5915	-.05640	-.65642	-.00229	-.00017	-.02723	-.00026
#2	-15.957	-.07322	-.73426	-.00143	-.00009	-.04355	-.00063
#3	-3.3132	-.02505	-.65221	-.00076	.00036	.07354	-.00037
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00124**	**.00006**	**.00001**	**-.00050**	**-.00668**
Stddev	.00005	.00008	.00044	.00020	.00004	.09695
%RSD	37.202	6.0456	736.63	2217.9	8.4341	1450.7
#1	.00020	.00132	-.00023	.00012	-.00054	.00739
#2	.00010	.00117	-.00016	-.00022	-.00049	.08246
#3	.00014	.00123	.00057	.00012	-.00046	-.10991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67551.**	**62615.**
Stddev	305.	362.
%RSD	.45105	.57774
#1	67871.	62544.
#2	67518.	62293.
#3	67265.	63007.

Approved: April 01, 2011

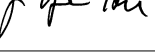
Sample Name: L1103082519 Acquired: 3/31/2011 22:39:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.07985**	**.00298**	**-.00216**	**-.00120**	**.00029**	**-.00787**
Stddev	.00039	.00126	.00006	.00012	.00031	.00000	.00657
%RSD	36.412	1.5800	2.0209	5.7222	25.895	.76203	83.402
#1	.00063	-.07853	.00292	-.00202	-.00126	.00029	-.00875
#2	.00115	-.08104	.00304	-.00223	-.00148	.00029	-.00091
#3	.00139	-.07999	.00298	-.00223	-.00087	.00029	-.01396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00034**	**.00019**	**-.00083**	**.00060**	**-.00155**	**.00247**
Stddev	.00005	.00005	.00029	.00013	.00108	.01234	.00146
%RSD	23.251	14.921	149.78	16.130	180.01	794.81	59.175
#1	-.00017	.00034	.00052	-.00083	.00144	-.01396	.00260
#2	-.00017	.00039	.00012	-.00070	.00097	-.00143	.00385
#3	-.00025	.00029	-.00005	-.00097	-.00062	.01073	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**-.00084**	**-.00023**	**.00812**	**.00102**	F **-.93913**	**.00314**
Stddev	.00070	.00025	.00007	.02548	.00004	3.5173	.00099
%RSD	83.396	29.786	28.363	313.92	4.1503	374.52	31.710
#1	.00127	-.00096	-.00016	.01203	.00104	-1.6786	.00270
#2	.00121	-.00102	-.00029	.03140	.00104	2.8891	.00244
#3	.00003	-.00056	-.00023	-.01909	.00097	-4.0279	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: L1103082519 Acquired: 3/31/2011 22:39:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.307**	F **-.44239**	F **-2.2900**	**-.00374**	**.00180**	F **-1.6585**	**-.00038**
Stddev	34.468	.01421	.0711	.00022	.00030	.0958	.00015
%RSD	65.896	3.2110	3.1063	5.8668	16.806	5.7735	39.666
#1	-56.646	-.42787	-2.2111	-.00357	.00204	-1.5864	-.00024
#2	-84.400	-.44304	-2.3097	-.00399	.00190	-1.6219	-.00036
#3	-15.875	-.45626	-2.3492	-.00366	.00146	-1.7671	-.00055
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00297**	**.00261**	**-.00014**	**-.00071**	**.35858**
Stddev	.00004	.00080	.00023	.00011	.00004	.09324
%RSD	19.581	27.071	8.6173	74.011	6.3506	26.003
#1	-.00016	.00268	.00273	-.00003	-.00073	.37689
#2	-.00023	.00388	.00235	-.00025	-.00065	.25754
#3	-.00017	.00235	.00276	-.00015	-.00073	.44131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**136110.**	**113930.**
Stddev	5561.	15536.
%RSD	4.0856	13.637
#1	129700.	117290.
#2	139700.	127510.
#3	138920.	96984.

Approved: April 01, 2011

Sample Name: L1103082520 Acquired: 3/31/2011 22:42:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**250.14**	**.12608**	**.15446**	**1.9681**	**.01512**	**41.935**
Stddev	.00072	2.96	.00159	.00179	.0069	.00006	.254
%RSD	16.299	1.1837	1.2608	1.1576	.34912	.39512	.60458
#1	.00374	253.35	.12433	.15412	1.9683	.01512	41.827
#2	.00442	249.54	.12645	.15640	1.9749	.01517	42.224
#3	.00519	247.52	.12745	.15287	1.9611	.01506	41.753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.13008**	**.35861**	**.16183**	**345.24**	**19.985**	**.18814**
Stddev	.00005	.00074	.00236	.00232	1.48	.096	.00163
%RSD	.91531	.57009	.65839	1.4344	.42801	.47863	.86620
#1	.00506	.13066	.36037	.16339	344.61	19.924	.18839
#2	.00508	.13034	.35954	.16293	346.93	20.096	.18963
#3	.00499	.12925	.35593	.15916	344.18	19.936	.18640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.814**	**6.1739**	**.01184**	**.88530**	**.16061**	F **16476.**	**.30923**
Stddev	.044	.0187	.00009	.00111	.00075	55.	.00097
%RSD	.20130	.30372	.77617	.12500	.46536	.33301	.31432
#1	21.764	6.1610	.01187	.88511	.16143	16527.	.30811
#2	21.847	6.1954	.01174	.88429	.16044	16484.	.30974
#3	21.832	6.1654	.01191	.88648	.15996	16418.	.30984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082520 Acquired: 3/31/2011 22:42:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.234**	F **156.08**	F **829.34**	**.00615**	**.01016**	F **310.14**	**.01363**
Stddev	3.236	1.22	2.73	.00194	.00091	1.47	.00051
%RSD	5.4635	.78445	.32865	31.503	8.9339	.47308	3.7175
#1	-57.533	157.11	831.72	.00661	.01041	311.75	.01416
#2	-62.966	156.39	829.93	.00781	.00916	309.80	.01315
#3	-57.202	154.72	826.37	.00402	.01092	308.88	.01359
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29040**	**.39258**	**.01567**	**.61109**	**.70496**	F **149.06**
Stddev	.00191	.00085	.00154	.00151	.00145	1.37
%RSD	.65837	.21653	9.8464	.24777	.20596	.92061
#1	.28967	.39210	.01431	.61048	.70527	150.23
#2	.29257	.39356	.01734	.61281	.70623	149.39
#3	.28896	.39208	.01535	.60998	.70338	147.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65607.**	**65908.**
Stddev	334.	116.
%RSD	.50969	.17631
#1	65341.	65877.
#2	65497.	65809.
#3	65982.	66036.

Approved: April 01, 2011

Sample Name: L1103082521 Acquired: 3/31/2011 22:46:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**206.74**	**.11099**	**.13670**	**1.8515**	**.01265**	**33.607**
Stddev	.00016	1.11	.00043	.00268	.0014	.00007	.026
%RSD	3.5460	.53453	.38357	1.9571	.07455	.53093	.07795
#1	.00459	207.68	.11131	.13662	1.8520	.01269	33.637
#2	.00480	207.01	.11051	.13942	1.8500	.01257	33.595
#3	.00448	205.52	.11115	.13407	1.8526	.01269	33.589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00522**	**.16831**	**.31002**	**.14040**	**304.43**	**12.898**	**.14697**
Stddev	.00007	.00031	.00035	.00079	3.38	.011	.00133
%RSD	1.3443	.18489	.11428	.56046	1.1113	.08764	.90791
#1	.00516	.16864	.31035	.14130	303.51	12.886	.14665
#2	.00529	.16802	.30965	.14005	308.18	12.899	.14583
#3	.00520	.16829	.31005	.13985	301.60	12.909	.14844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.323**	**7.9651**	**.01177**	**1.0678**	**.13353**	F **10011.**	**.31589**
Stddev	.014	.0130	.00021	.0027	.00052	31.	.00176
%RSD	.06994	.16267	1.7690	.24803	.38718	.31451	.55615
#1	20.312	7.9683	.01153	1.0666	.13410	10044.	.31765
#2	20.339	7.9761	.01193	1.0708	.13338	10007.	.31590
#3	20.318	7.9508	.01183	1.0659	.13310	9981.7	.31413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082521 Acquired: 3/31/2011 22:46:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.880**	F **118.94**	F **623.27**	**.00581**	**.00788**	F **267.67**	**.01216**
Stddev	2.858	.42	1.60	.00295	.00232	2.10	.00025
%RSD	4.6179	.35297	.25727	50.792	29.480	.78573	2.0639
#1	-65.178	119.41	625.09	.00339	.00744	270.07	.01214
#2	-60.321	118.62	622.65	.00495	.00581	266.78	.01242
#3	-60.142	118.77	622.06	.00910	.01040	266.16	.01192
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28041**	**.41248**	**.01418**	**.53827**	**.58902**	F **138.54**
Stddev	.00040	.00076	.00136	.00196	.00086	.54
%RSD	.14275	.18413	9.6187	.36339	.14633	.39069
#1	.28066	.41219	.01285	.53789	.58998	139.17
#2	.28062	.41334	.01558	.53653	.58876	138.27
#3	.27995	.41190	.01411	.54039	.58832	138.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66470.**	**66607.**
Stddev	152.	261.
%RSD	.22816	.39138
#1	66316.	66385.
#2	66475.	66541.
#3	66619.	66894.

Approved: April 01, 2011

Sample Name: L1103082522 Acquired: 3/31/2011 22:49:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**241.90**	**.09517**	**.14007**	**2.3932**	**.01532**	**54.561**
Stddev	.00040	1.96	.00148	.00187	.0098	.00008	.194
%RSD	17.488	.81182	1.5515	1.3332	.40984	.51532	.35524
#1	.00187	239.75	.09450	.14172	2.4003	.01523	54.715
#2	.00234	243.60	.09415	.14045	2.3974	.01539	54.625
#3	.00267	242.34	.09686	.13805	2.3820	.01534	54.344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00471**	**.15795**	**.26240**	**.18330**	**305.45**	**20.330**	**.16876**
Stddev	.00004	.00067	.00106	.00190	2.10	.080	.00076
%RSD	.94544	.42493	.40247	1.0386	.68914	.39279	.44979
#1	.00473	.15723	.26128	.18115	306.97	20.403	.16955
#2	.00473	.15807	.26254	.18395	306.33	20.341	.16870
#3	.00466	.15856	.26338	.18478	303.04	20.245	.16803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.632**	**5.7021**	**.00677**	**1.4472**	**.19009**	F **9487.2**	**.24462**
Stddev	.045	.0037	.00001	.0013	.00051	31.5	.00050
%RSD	.21018	.06566	.17273	.08922	.26714	.33176	.20277
#1	21.677	5.7064	.00676	1.4457	.18951	9472.6	.24499
#2	21.586	5.7003	.00678	1.4482	.19038	9465.6	.24481
#3	21.632	5.6997	.00678	1.4476	.19040	9523.3	.24406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082522 Acquired: 3/31/2011 22:49:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.886**	F **146.73**	F **685.17**	**.00410**	**.00365**	F **273.81**	**.01395**
Stddev	12.178	.76	1.97	.00207	.00262	.74	.00018
%RSD	19.365	.51655	.28767	50.638	71.918	.27055	1.2681
#1	-76.823	145.89	683.30	.00170	.00330	273.00	.01375
#2	-57.541	146.95	684.98	.00538	.00121	273.98	.01402
#3	-54.295	147.35	687.23	.00521	.00642	274.45	.01408
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37981**	**.22000**	**.01096**	**.43578**	**.74602**	F **126.61**
Stddev	.00125	.00091	.00103	.00267	.00248	.68
%RSD	.32781	.41328	9.4074	.61191	.33299	.53986
#1	.38077	.22076	.01004	.43405	.74335	125.88
#2	.38025	.22024	.01077	.43886	.74827	127.24
#3	.37840	.21899	.01207	.43444	.74643	126.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66565.**	**68135.**
Stddev	168.	505.
%RSD	.25298	.74073
#1	66685.	67559.
#2	66372.	68502.
#3	66637.	68343.

Approved: April 01, 2011

Sample Name: L1103082523 Acquired: 3/31/2011 22:53:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	**245.15**	**.11320**	**.16847**	**1.9366**	**.01574**	**40.579**
Stddev	.00019	3.11	.00220	.00384	.0056	.00009	.204
%RSD	4.8761	1.2701	1.9470	2.2779	.28955	.57948	.50261
#1	.00371	241.55	.11487	.17183	1.9411	.01563	40.796
#2	.00390	247.08	.11402	.16931	1.9303	.01579	40.391
#3	.00409	246.80	.11070	.16429	1.9385	.01579	40.552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00478**	**.16269**	**.34139**	**.18408**	**365.98**	**19.726**	**.21796**
Stddev	.00006	.00032	.00199	.00029	6.25	.066	.00162
%RSD	1.1862	.19520	.58282	.16017	1.7075	.33304	.74533
#1	.00472	.16275	.33918	.18379	372.30	19.800	.21900
#2	.00481	.16297	.34198	.18406	365.84	19.674	.21609
#3	.00482	.16235	.34303	.18438	359.80	19.705	.21879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.226**	**8.5634**	**.01076**	**1.5127**	**.18901**	F **10976.**	**.27666**
Stddev	.068	.0228	.00007	.0083	.00033	21.	.00070
%RSD	.29122	.26628	.63708	.55103	.17685	.18717	.25373
#1	23.303	8.5897	.01076	1.5224	.18877	10980.	.27745
#2	23.194	8.5521	.01070	1.5075	.18939	10995.	.27643
#3	23.180	8.5485	.01083	1.5083	.18888	10954.	.27611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082523 Acquired: 3/31/2011 22:53:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.726**	F **120.30**	F **592.23**	**.00339**	**.01153**	F **258.26**	**.01427**
Stddev	3.804	.42	.50	.00093	.00260	.77	.00030
%RSD	6.5894	.34590	.08525	27.355	22.587	.29993	2.1295
#1	-59.798	120.40	592.80	.00237	.01257	258.21	.01459
#2	-53.336	120.66	592.05	.00418	.01346	259.06	.01424
#3	-60.044	119.84	591.85	.00361	.00857	257.51	.01399
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33515**	**.35841**	**.01599**	**.58666**	**.71459**	F **160.29**
Stddev	.00188	.00219	.00003	.00077	.00070	.96
%RSD	.56096	.61214	.16566	.13182	.09831	.59711
#1	.33730	.36081	.01596	.58705	.71395	159.28
#2	.33384	.35792	.01601	.58577	.71534	160.43
#3	.33431	.35651	.01601	.58717	.71448	161.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66468.**	**67245.**
Stddev	95.	558.
%RSD	.14231	.82964
#1	66537.	66601.
#2	66361.	67580.
#3	66508.	67554.

Approved: April 01, 2011

Sample Name: L1103082524 Acquired: 3/31/2011 22:56:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**271.76**	**.12862**	**.19507**	**4.7126**	**.02097**	**50.637**
Stddev	.00039	2.67	.00082	.00200	.0252	.00005	.223
%RSD	10.361	.98410	.63468	1.0248	.53487	.22514	.44096
#1	.00330	274.65	.12951	.19622	4.6887	.02103	50.769
#2	.00381	269.37	.12791	.19276	4.7100	.02094	50.380
#3	.00405	271.27	.12843	.19622	4.7389	.02096	50.764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00565**	**.23100**	**.36298**	**.21347**	**432.15**	**18.709**	**.17145**
Stddev	.00015	.00099	.00154	.00097	2.82	.064	.00093
%RSD	2.7283	.42823	.42485	.45215	.65188	.34337	.54106
#1	.00583	.23205	.36334	.21457	434.71	18.753	.17062
#2	.00555	.23009	.36128	.21275	429.13	18.635	.17127
#3	.00557	.23085	.36430	.21309	432.60	18.739	.17245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.061**	**13.134**	**.01126**	**2.1472**	**.23772**	F **10940.**	**.30983**
Stddev	.067	.020	.00035	.0095	.00056	7.	.00133
%RSD	.25647	.15098	3.1025	.44414	.23436	.06029	.42854
#1	26.027	13.146	.01094	2.1582	.23822	10945.	.30946
#2	26.018	13.111	.01163	2.1409	.23712	10944.	.31131
#3	26.138	13.145	.01120	2.1424	.23782	10933.	.30873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082524 Acquired: 3/31/2011 22:56:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.985**	F **159.05**	F **804.07**	**.00440**	**.01289**	F **322.65**	**.01719**
Stddev	2.130	.67	1.78	.00093	.00089	.69	.00053
%RSD	3.6108	.42048	.22168	21.153	6.9369	.21476	3.0727
#1	-60.357	159.69	805.87	.00335	.01360	323.38	.01760
#2	-56.531	158.36	804.03	.00472	.01188	322.01	.01737
#3	-60.066	159.12	802.30	.00513	.01318	322.54	.01659
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46221**	**.14038**	**.02000**	**.63246**	**.98949**	F **146.36**
Stddev	.00229	.00081	.00101	.00202	.00148	.64
%RSD	.49477	.57768	5.0503	.31971	.14907	.43996
#1	.46441	.14112	.01928	.63470	.99116	147.10
#2	.45985	.13951	.01957	.63191	.98898	145.98
#3	.46237	.14049	.02116	.63077	.98834	146.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67552.**	**68606.**
Stddev	122.	214.
%RSD	.18103	.31236
#1	67420.	68359.
#2	67662.	68738.
#3	67575.	68721.

Approved: April 01, 2011

Sample Name: L1103082525 Acquired: 3/31/2011 23:00:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**240.44**	**.13475**	**.22416**	**3.2652**	**.01792**	**38.693**
Stddev	.00028	.84	.00109	.00531	.0143	.00004	.067
%RSD	6.5149	.35042	.80774	2.3669	.43775	.20412	.17413
#1	.00447	241.29	.13352	.21858	3.2686	.01789	38.765
#2	.00401	240.43	.13511	.22914	3.2774	.01796	38.682
#3	.00453	239.60	.13561	.22476	3.2495	.01791	38.631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00503**	**.35139**	**.32443**	**.22631**	**541.63**	**10.825**	**.22760**
Stddev	.00006	.00021	.00166	.00104	7.22	.050	.00045
%RSD	1.2747	.06044	.51181	.45786	1.3325	.46160	.19577
#1	.00499	.35125	.32252	.22518	534.65	10.843	.22807
#2	.00500	.35163	.32553	.22652	549.07	10.863	.22718
#3	.00511	.35128	.32524	.22722	541.19	10.768	.22756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.217**	**21.097**	**.00971**	**2.5095**	**.35019**	F **9022.2**	**.38873**
Stddev	.094	.195	.00030	.0183	.00050	22.5	.00158
%RSD	.28278	.92296	3.0904	.72790	.14359	.24985	.40565
#1	33.125	20.904	.01005	2.5283	.35003	8996.5	.38757
#2	33.312	21.293	.00961	2.4918	.34979	9038.7	.39053
#3	33.213	21.095	.00948	2.5085	.35076	9031.5	.38809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082525 Acquired: 3/31/2011 23:00:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.209**	F **106.36**	F **504.81**	**.00429**	**.01169**	F **301.18**	**.01211**
Stddev	.919	.25	.58	.00104	.00176	.21	.00021
%RSD	1.6348	.23475	.11468	24.312	15.056	.07043	1.7180
#1	-55.596	106.09	504.43	.00347	.00993	300.93	.01234
#2	-55.766	106.42	505.47	.00546	.01346	301.31	.01202
#3	-57.266	106.58	504.51	.00393	.01169	301.28	.01195
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36245**	**.18626**	**.01691**	**.50873**	**.66963**	F **148.18**
Stddev	.00126	.00018	.00161	.00125	.00053	.74
%RSD	.34704	.09868	9.4918	.24646	.07894	.49698
#1	.36387	.18607	.01872	.50743	.66951	147.40
#2	.36148	.18627	.01636	.50993	.67021	148.87
#3	.36200	.18644	.01566	.50883	.66917	148.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66495.**	**67487.**
Stddev	50.	185.
%RSD	.07525	.27363
#1	66499.	67634.
#2	66542.	67279.
#3	66442.	67547.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 23:04:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42278**	**10.560**	**.41288**	**.51996**	**.98969**	**.05132**	**9.7607**
Stddev	.00211	.050	.00283	.00252	.00267	.00020	.0295
%RSD	.49891	.47121	.68620	.48447	.26972	.39185	.30243
#1	.42305	10.578	.41573	.52025	.98981	.05145	9.7318
#2	.42474	10.598	.41285	.52232	.98697	.05142	9.7594
#3	.42055	10.504	.41006	.51730	.99231	.05109	9.7908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05214**	**.20850**	**.50915**	**.51442**	**4.0691**	**48.601**	**.99593**
Stddev	.00021	.00092	.00205	.00133	.0138	.104	.00326
%RSD	.39439	.44151	.40297	.25817	.33991	.21459	.32781
#1	.05227	.20895	.50962	.51503	4.0834	48.529	.99604
#2	.05225	.20911	.51092	.51533	4.0558	48.552	.99261
#3	.05191	.20744	.50690	.51290	4.0679	48.720	.99914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9378**	**.50181**	F **1.1098**	**50.359**	**.50579**	F **5.7605**	**.51596**
Stddev	.0292	.00143	.0010	.201	.00097	3.6759	.00334
%RSD	.29390	.28533	.08974	.39818	.19258	63.813	.64774
#1	9.9495	.50017	1.1091	50.149	.50529	1.8961	.51695
#2	9.9045	.50249	1.1095	50.549	.50691	9.2132	.51870
#3	9.9593	.50278	1.1110	50.380	.50517	6.1721	.51224
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 23:04:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.6207**	F **8.8959**	F **-.47221**	**1.3122**	**.42018**	F **715.28**	**1.0841**
Stddev	4.6468	.0642	.10969	.0040	.00547	1.33	.0021
%RSD	48.300	.72199	23.230	.30792	1.3006	.18618	.19395
#1	-13.158	8.9523	-.36951	1.3139	.42267	715.85	1.0850
#2	-4.3580	8.9095	-.45935	1.3151	.42395	716.23	1.0856
#3	-11.346	8.8260	-.58776	1.3075	.41391	713.76	1.0817
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	-10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98217**	**1.0585**	**.52359**	**1.0560**	**1.0237**	F **1.3249**
Stddev	.00362	.0030	.00255	.0036	.0015	.1025
%RSD	.36868	.28426	.48637	.34065	.15012	7.7345
#1	.97800	1.0558	.52391	1.0587	1.0249	1.2155
#2	.98446	1.0580	.52596	1.0573	1.0242	1.4187
#3	.98406	1.0618	.52089	1.0519	1.0220	1.3404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67160.**	**63175.**
Stddev	169.	37.
%RSD	.25200	.05906
#1	67193.	63198.
#2	66976.	63194.
#3	67310.	63132.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 23:07:20 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.02393**	**-.00019**	**.00195**	**.00010**	**-.00001**	**.00568**
Stddev	.00029	.00232	.00042	.00032	.00014	.00002	.00315
%RSD	341.77	9.7087	216.44	16.670	133.68	154.00	55.465
#1	.00022	.02629	-.00068	.00175	.00025	-.00002	.00830
#2	-.00013	.02164	.00002	.00232	-.00002	.00001	.00218
#3	-.00034	.02386	.00007	.00177	.00007	-.00003	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00001**	**.00023**	**.00006**	**.02803**	**.05856**	**.00057**
Stddev	.0000	.00004	.00037	.00028	.00219	.00966	.00092
%RSD	926.99	276.27	163.21	443.79	7.8032	16.490	161.58
#1	-.00003	.00002	.00035	-.00025	.03027	.06283	.00145
#2	.00000	-.00003	.00052	.00017	.02794	.06535	.00063
#3	.00002	.00005	-.00019	.00027	.02590	.04751	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00207**	**.00037**	**.00005**	**.02261**	**-.00025**	F **-3.4422**	**.00023**
Stddev	.00030	.00024	.00014	.00542	.00015	4.5429	.00159
%RSD	14.610	64.633	319.91	23.950	59.622	131.98	702.47
#1	-.00174	.00061	.00020	.02801	-.00026	1.7478	.00166
#2	-.00232	.00014	.00003	.01718	-.00039	-5.3767	.00049
#3	-.00216	.00035	-.00009	.02265	-.00009	-6.6976	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 23:07:20 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.943**	F **-.07032**	F **-.52022**	**-.00109**	**.00041**	**.02300**	**-.00033**
Stddev	4.639	.01822	.10416	.00115	.00136	.04248	.00014
%RSD	33.271	25.907	20.023	105.97	333.91	184.69	43.464
#1	-12.509	-.08343	-.62250	.00011	-.00108	.00824	-.00017
#2	-10.191	-.07800	-.41427	-.00119	.00071	.07090	-.00046
#3	-19.130	-.04952	-.52390	-.00218	.00159	-.01013	-.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00086**	**.00018**	**.00011**	**-.00049**	F **.10205**
Stddev	.00003	.00019	.00023	.00029	.00004	.06317
%RSD	55.470	22.301	127.58	262.24	8.7759	61.899
#1	.00003	.00092	-.00007	-.00008	-.00045	.15214
#2	.00009	.00101	.00038	.00044	-.00048	.03109
#3	.00004	.00064	.00024	-.00003	-.00053	.12292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68248.**	**62938.**
Stddev	161.	309.
%RSD	.23598	.49104
#1	68402.	63284.
#2	68262.	62690.
#3	68081.	62839.

Approved: April 01, 2011

Sample Name: PBS 06 Acquired: 3/31/2011 23:10:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00467**	**-.00138**	**-.00037**	**.00050**	**.00002**	**.01088**
Stddev	.00009	.00114	.00028	.00019	.00014	.00002	.00581
%RSD	89.893	24.443	20.588	50.585	27.077	100.71	53.355
#1	-.00001	.00569	-.00106	-.00050	.00037	.00005	.01694
#2	-.00010	.00344	-.00161	-.00015	.00049	.00000	.00537
#3	-.00019	.00488	-.00147	-.00045	.00064	.00003	.01032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00041**	**.00099**	**-.00013**	**.01608**	**.04628**	**.00069**
Stddev	.00006	.00010	.00025	.00021	.00062	.01502	.00115
%RSD	60.951	23.986	25.463	162.32	3.8476	32.460	165.94
#1	.00017	-.00030	.00070	.00009	.01580	.05888	-.00047
#2	.00010	-.00049	.00112	-.00014	.01679	.02965	.00072
#3	.00004	-.00044	.00116	-.00033	.01566	.05031	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00047**	**.00011**	**.02381**	**.00073**	F **-18.469**	**.00224**
Stddev	.00295	.00044	.00014	.00592	.00028	5.356	.00069
%RSD	3486.4	94.771	120.37	24.854	38.048	29.001	30.830
#1	.00251	-.00083	-.00003	.01936	.00093	-17.404	.00200
#2	-.00320	.00003	.00013	.03053	.00041	-13.726	.00302
#3	.00094	-.00060	.00025	.02154	.00085	-24.278	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: PBS 06 Acquired: 3/31/2011 23:10:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.469**	F **-.03312**	F **-.22590**	**.00123**	**.00062**	**1.2050**	**.00003**
Stddev	5.657	.02729	.11311	.00144	.00107	.0807	.00008
%RSD	36.572	82.405	50.071	117.43	171.66	6.6938	297.50
#1	-13.284	-.05976	-.10365	.00286	.00174	1.2451	.00006
#2	-11.229	-.00522	-.32685	.00015	-.00039	1.2576	-.00006
#3	-21.892	-.03437	-.24720	.00066	.00052	1.1121	.00008
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00204**	**-.00152**	**-.00014**	**.00147**	F **-.01305**
Stddev	.00004	.00026	.00024	.00009	.00003	.05149
%RSD	134.73	12.896	15.935	65.390	2.0814	394.56
#1	-.00003	.00224	-.00178	-.00010	.00149	-.06914
#2	-.00007	.00214	-.00150	-.00007	.00143	-.00207
#3	.00001	.00174	-.00129	-.00024	.00148	.03206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67217.**	**62698.**
Stddev	112.	566.
%RSD	.16594	.90242
#1	67273.	62970.
#2	67089.	63078.
#3	67290.	62048.

Approved: April 01, 2011

Sample Name: LCSS 06 Acquired: 3/31/2011 23:14:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20208**	**.00247**	**.19370**	**-.00020**	**.00030**	**.00005**	**.00637**
Stddev	.00112	.00027	.00141	.00037	.00024	.00002	.00513
%RSD	.55269	10.995	.72918	186.60	78.551	41.638	80.470
#1	.20089	.00267	.19311	-.00050	.00029	.00006	.01006
#2	.20224	.00216	.19268	-.00032	.00054	.00007	.00854
#3	.20310	.00258	.19531	.00022	.00007	.00003	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02496**	**-.00029**	**.00096**	**.25800**	**.00822**	**.03124**	**-.00003**
Stddev	.00009	.00009	.00024	.00069	.00233	.00338	.00099
%RSD	.34746	29.258	24.635	.26930	28.335	10.825	3790.3
#1	.02487	-.00021	.00078	.25792	.00891	.02734	-.00105
#2	.02504	-.00028	.00088	.25734	.00563	.03313	.00093
#3	.02496	-.00039	.00123	.25873	.01013	.03326	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.25511**	**.00003**	**.01587**	**.00070**	F **-21.656**	**.26424**
Stddev	.00276	.00156	.00008	.00363	.00031	6.941	.00129
%RSD	208.70	.61275	227.26	22.855	44.285	32.049	.48965
#1	.00162	.25657	-.00002	.01297	.00105	-21.965	.26480
#2	-.00158	.25530	.00000	.01470	.00045	-14.566	.26276
#3	.00393	.25346	.00013	.01994	.00062	-28.437	.26516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 06 Acquired: 3/31/2011 23:14:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.303**	F **-.02189**	F **-.24866**	**-.00025**	**-.00028**	**1.1171**	**-.00009**
Stddev	3.049	.01218	.17205	.00091	.00088	.0664	.00022
%RSD	18.698	55.643	69.192	361.10	318.01	5.9426	236.78
#1	-14.627	-.01218	-.05000	-.00130	-.00062	1.0464	-.00014
#2	-19.822	-.01794	-.34616	.00015	-.00093	1.1781	.00015
#3	-14.461	-.03556	-.34980	.00039	.00072	1.1267	-.00028
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00054**	**-.00136**	**-.00022**	**.00177**	F **-.02618**
Stddev	.00004	.00023	.00098	.00006	.00006	.07889
%RSD	79.219	42.961	72.225	27.416	3.2866	301.33
#1	.00000	.00034	-.00230	-.00022	.00172	-.10630
#2	-.00008	.00050	-.00146	-.00028	.00177	-.02367
#3	-.00007	.00079	-.00033	-.00016	.00183	.05142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67040.**	**63175.**
Stddev	116.	276.
%RSD	.17240	.43645
#1	66910.	62861.
#2	67083.	63377.
#3	67129.	63286.

Approved: April 01, 2011

Sample Name: L1103082546 Acquired: 3/31/2011 23:17:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**104.18**	**.10261**	**.09232**	**1.8228**	**.01284**	**53.208**
Stddev	.00028	.28	.00092	.00195	.0051	.00009	.086
%RSD	8.2626	.27015	.89229	2.1135	.28119	.73254	.16086
#1	.00370	104.49	.10291	.09044	1.8271	.01295	53.291
#2	.00332	103.95	.10334	.09218	1.8171	.01281	53.120
#3	.00315	104.10	.10158	.09434	1.8241	.01277	53.213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.12666**	**.22246**	**.16063**	**218.38**	**7.5417**	**.07757**
Stddev	.00007	.00062	.00074	.00242	2.33	.0227	.00092
%RSD	1.3605	.49327	.33384	1.5074	1.0681	.30111	1.1808
#1	.00511	.12738	.22305	.16324	216.23	7.5667	.07674
#2	.00522	.12638	.22271	.16021	218.06	7.5361	.07742
#3	.00509	.12623	.22163	.15845	220.86	7.5223	.07856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.514**	**8.4743**	**.00696**	**2.0891**	**.16465**	F **11891.**	**.24985**
Stddev	.036	.0082	.00027	.0030	.00088	38.	.00229
%RSD	.23222	.09653	3.8573	.14345	.53731	.32357	.91605
#1	15.546	8.4837	.00681	2.0876	.16561	11935.	.25228
#2	15.475	8.4687	.00727	2.0925	.16448	11873.	.24954
#3	15.520	8.4706	.00681	2.0871	.16386	11865.	.24773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082546 Acquired: 3/31/2011 23:17:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.124**	F **127.82**	F **564.17**	**.00449**	**.00623**	F **289.41**	**.00789**
Stddev	1.598	.88	3.67	.00092	.00280	1.01	.00020
%RSD	3.6205	.68923	.64993	20.448	44.916	.35032	2.4983
#1	-43.458	128.79	568.26	.00430	.00901	290.58	.00811
#2	-42.968	127.57	563.07	.00548	.00342	288.81	.00775
#3	-45.947	127.08	561.17	.00368	.00624	288.83	.00780
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36417**	**.16136**	**.01323**	**.43392**	**.52088**	F **78.724**
Stddev	.00054	.00079	.00140	.00349	.00143	.436
%RSD	.14893	.48917	10.574	.80332	.27475	.55324
#1	.36479	.16222	.01422	.43753	.52181	79.002
#2	.36394	.16068	.01384	.43367	.52160	78.949
#3	.36378	.16117	.01163	.43057	.51923	78.222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66976.**	**66455.**
Stddev	345.	342.
%RSD	.51568	.51536
#1	66653.	66064.
#2	66936.	66701.
#3	67340.	66599.

Approved: April 01, 2011

Sample Name: L1103082546PS Acquired: 3/31/2011 23:21:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360451-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20680**	**97.911**	**.28661**	**1.0052**	**2.1372**	**.03657**	**53.276**
Stddev	.00130	.800	.00121	.0047	.0115	.00018	.313
%RSD	.62978	.81682	.42094	.47144	.53827	.49878	.58787
#1	.20716	98.554	.28739	.99977	2.1413	.03640	53.390
#2	.20789	97.016	.28522	1.0084	2.1242	.03677	52.921
#3	.20536	98.164	.28722	1.0074	2.1460	.03655	53.515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02914**	**.21316**	**.44377**	**.38400**	**202.65**	**30.147**	**.55153**
Stddev	.00014	.00018	.00212	.00046	.95	.142	.00158
%RSD	.49563	.08221	.47860	.11889	.47030	.47053	.28568
#1	.02929	.21299	.44147	.38412	203.01	30.180	.55244
#2	.02900	.21315	.44566	.38349	201.57	29.991	.54971
#3	.02914	.21334	.44417	.38438	203.38	30.269	.55243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.683**	**7.8903**	**.54849**	**26.247**	**.38665**	F **10887.**	**.45946**
Stddev	.069	.0188	.00068	.123	.00064	20.	.00109
%RSD	.36851	.23779	.12478	.47034	.16519	.18777	.23737
#1	18.638	7.8848	.54899	26.259	.38592	10866.	.46072
#2	18.649	7.8749	.54878	26.118	.38695	10888.	.45877
#3	18.762	7.9112	.54771	26.365	.38709	10907.	.45889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082546PS Acquired: 3/31/2011 23:21:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360451-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.364**	F **120.61**	F **516.19**	**.60561**	**.19921**	F **602.53**	**.00793**
Stddev	2.994	.16	.24	.00184	.00284	.66	.00011
%RSD	6.7479	.13624	.04573	.30419	1.4263	.10976	1.4383
#1	-43.638	120.54	516.45	.60592	.20160	603.16	.00781
#2	-47.654	120.49	515.99	.60364	.19996	601.84	.00794
#3	-41.800	120.80	516.13	.60728	.19607	602.59	.00803
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80799**	**.65173**	**.24996**	**.90800**	**.95162**	F **71.454**
Stddev	.00353	.00164	.00181	.00371	.00142	.433
%RSD	.43694	.25182	.72393	.40825	.14958	.60564
#1	.80778	.65133	.24843	.90407	.95001	71.114
#2	.80457	.65033	.25196	.91143	.95274	71.306
#3	.81162	.65354	.24949	.90850	.95210	71.941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66576.**	**65574.**
Stddev	55.	212.
%RSD	.08232	.32285
#1	66613.	65333.
#2	66513.	65726.
#3	66602.	65664.

Approved: April 01, 2011

Sample Name: L1103082546DL Acquired: 3/31/2011 23:24:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360451-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**24.648**	**.02353**	**.01978**	**.36184**	**.00259**	**10.877**
Stddev	.00042	.107	.00061	.00046	.00064	.00003	.037
%RSD	193.71	.43323	2.5741	2.3029	.17720	1.0881	.34194
#1	.00006	24.771	.02407	.01938	.36247	.00262	10.905
#2	-.00010	24.586	.02287	.02028	.36187	.00257	10.890
#3	.00069	24.587	.02365	.01969	.36119	.00258	10.835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.02715**	**.04532**	**.03469**	**45.301**	**1.6170**	**.01528**
Stddev	.00004	.00005	.00038	.00051	.100	.0289	.00071
%RSD	4.4797	.19039	.84558	1.4678	.22109	1.7884	4.6712
#1	.00097	.02715	.04575	.03474	45.416	1.5907	.01501
#2	.00089	.02710	.04519	.03416	45.230	1.6124	.01475
#3	.00095	.02721	.04502	.03517	45.258	1.6480	.01609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2871**	**1.7404**	**.00119**	**.43912**	**.03443**	F **2635.9**	**.05575**
Stddev	.0071	.0046	.00010	.00718	.00051	5.8	.00053
%RSD	.21662	.26153	8.2091	1.6356	1.4686	.22130	.94484
#1	3.2953	1.7445	.00124	.44249	.03411	2639.6	.05635
#2	3.2826	1.7355	.00108	.44399	.03501	2629.2	.05538
#3	3.2834	1.7412	.00126	.43087	.03416	2639.0	.05551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082546DL Acquired: 3/31/2011 23:24:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360451-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-20.601**	F **29.052**	F **123.55**	**.00007**	**.00069**	**62.693**	**.00126**
Stddev	5.209	.048	.10	.00014	.00166	.099	.00015
%RSD	25.283	.16669	.08453	192.13	238.91	.15811	11.881
#1	-16.703	29.036	123.56	-.00007	.00096	62.700	.00132
#2	-18.584	29.014	123.65	.00008	.00220	62.590	.00109
#3	-26.517	29.107	123.44	.00021	-.00108	62.788	.00137
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07402**	**.03318**	**.00408**	**.08737**	**.10977**	**15.085**
Stddev	.00021	.00016	.00023	.00073	.00008	.242
%RSD	.28453	.48919	5.7224	.83735	.06903	1.6024
#1	.07411	.03337	.00416	.08810	.10970	15.363
#2	.07418	.03311	.00382	.08664	.10978	14.962
#3	.07378	.03307	.00427	.08736	.10985	14.929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69512.**	**65584.**
Stddev	115.	353.
%RSD	.16505	.53808
#1	69559.	65678.
#2	69597.	65882.
#3	69382.	65194.

Approved: April 01, 2011

Sample Name: L1103082546DL Acquired: 3/31/2011 23:28:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360451-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**5.1413**	**.00674**	**.00307**	**.07292**	**.00049**	**2.1885**
Stddev	.00043	.0340	.00056	.00025	.00025	.00001	.0171
%RSD	82.773	.66187	8.3727	8.0741	.34931	2.3361	.78121
#1	-.00094	5.1144	.00645	.00332	.07302	.00048	2.1699
#2	-.00007	5.1299	.00638	.00307	.07311	.00051	2.2035
#3	-.00056	5.1796	.00739	.00282	.07263	.00049	2.1922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00570**	**.00886**	**.00730**	**9.1038**	**.34271**	**.00383**
Stddev	.00003	.00005	.00023	.00033	.0083	.01233	.00156
%RSD	41.869	.80656	2.6119	4.5123	.09069	3.5976	40.740
#1	.00008	.00571	.00911	.00699	9.1134	.35686	.00364
#2	.00011	.00565	.00880	.00727	9.0993	.33701	.00548
#3	.00004	.00575	.00865	.00764	9.0989	.33426	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66528**	**.35701**	**-.00010**	**.08865**	**.00701**	**568.82**	**.01309**
Stddev	.00847	.00262	.00008	.00854	.00019	2.84	.00101
%RSD	1.2724	.73522	78.634	9.6329	2.7612	.49960	7.7148
#1	.65670	.35398	-.00014	.08262	.00679	568.81	.01192
#2	.67363	.35833	-.00001	.09842	.00709	565.99	.01373
#3	.66552	.35871	-.00015	.08491	.00715	571.67	.01361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082546DL Acquired: 3/31/2011 23:28:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360451-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.370**	**6.1154**	F **25.802**	**-.00251**	**-.00153**	**12.626**	**-.00009**
Stddev	4.810	.0395	.384	.00113	.00050	.085	.00023
%RSD	24.832	.64581	1.4868	44.971	32.639	.67400	251.33
#1	-17.683	6.0865	25.365	-.00320	-.00178	12.684	.00013
#2	-24.796	6.0992	25.955	-.00121	-.00096	12.528	-.00033
#3	-15.631	6.1604	26.085	-.00313	-.00186	12.665	-.00007
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01499**	**.00778**	**.00233**	**.01748**	**.02372**	**2.6033**
Stddev	.00018	.00024	.00011	.00023	.00017	.0737
%RSD	1.1939	3.0564	4.9237	1.2940	.71614	2.8328
#1	.01478	.00778	.00226	.01735	.02368	2.6512
#2	.01513	.00755	.00226	.01774	.02357	2.5184
#3	.01505	.00802	.00246	.01735	.02390	2.6403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69984.**	**65265.**
Stddev	192.	129.
%RSD	.27462	.19743
#1	70130.	65346.
#2	70056.	65116.
#3	69767.	65332.

Approved: April 01, 2011

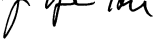
Sample Name: L1103082547 Acquired: 3/31/2011 23:31:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**81.769**	**.08641**	**.07664**	**1.1161**	**.00878**	**44.405**
Stddev	.00078	.732	.00145	.00080	.0011	.00005	.052
%RSD	23.138	.89494	1.6833	1.0403	.09820	.53309	.11706
#1	.00381	82.220	.08558	.07574	1.1148	.00873	44.412
#2	.00379	82.162	.08809	.07723	1.1168	.00879	44.453
#3	.00246	80.925	.08557	.07696	1.1167	.00882	44.350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00589**	**.07941**	**.16860**	**.11877**	**162.89**	**5.9353**	**.05089**
Stddev	.00005	.00016	.00047	.00038	.23	.0191	.00056
%RSD	.91624	.20275	.28036	.32346	.14011	.32117	1.0940
#1	.00595	.07953	.16805	.11877	162.63	5.9193	.05038
#2	.00584	.07947	.16886	.11916	163.03	5.9302	.05149
#3	.00589	.07923	.16888	.11839	163.02	5.9564	.05081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.188**	**5.4756**	**.00842**	**.88242**	**.06835**	F **9040.6**	**.28761**
Stddev	.040	.0028	.00021	.00884	.00038	15.7	.00096
%RSD	.39658	.05107	2.5529	1.0013	.55331	.17314	.33309
#1	10.145	5.4727	.00817	.87226	.06876	9052.1	.28871
#2	10.196	5.4756	.00857	.88830	.06802	9046.9	.28708
#3	10.224	5.4783	.00851	.88670	.06825	9022.7	.28703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: L1103082547 Acquired: 3/31/2011 23:31:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.936**	F **159.68**	F **842.42**	**.00567**	**.00898**	F **334.84**	**.00802**
Stddev	3.627	.50	2.06	.00123	.00173	.96	.00009
%RSD	6.6026	.31337	.24494	21.630	19.263	.28538	1.1279
#1	-59.125	159.62	843.01	.00697	.01044	335.76	.00793
#2	-52.822	160.21	844.13	.00453	.00944	334.91	.00804
#3	-52.863	159.22	840.13	.00552	.00707	333.85	.00811
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28662**	**.21675**	**.00907**	**.38072**	**.60277**	F **73.296**
Stddev	.00035	.00093	.00059	.00140	.00028	.264
%RSD	.12070	.43050	6.4478	.36854	.04595	.36031
#1	.28691	.21676	.00858	.38212	.60308	73.596
#2	.28673	.21582	.00972	.38072	.60257	73.098
#3	.28624	.21768	.00893	.37931	.60264	73.195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66570.**	**65958.**
Stddev	220.	253.
%RSD	.33074	.38337
#1	66390.	65724.
#2	66505.	66226.
#3	66816.	65925.

Approved: April 01, 2011

Sample Name: L1103082548 Acquired: 3/31/2011 23:35:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00272**	**101.04**	**.08856**	**.07774**	**1.1382**	**.00992**	**38.821**
Stddev	.00055	.60	.00057	.00036	.0021	.00002	.053
%RSD	20.220	.59866	.63995	.46533	.18745	.18695	.13732
#1	.00335	101.68	.08910	.07794	1.1393	.00994	38.793
#2	.00236	100.97	.08797	.07733	1.1395	.00992	38.882
#3	.00244	100.48	.08860	.07797	1.1357	.00990	38.787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**.08397**	**.18485**	**.10440**	**181.17**	**5.1993**	**.06321**
Stddev	.00009	.00036	.00125	.00043	.19	.0198	.00057
%RSD	1.9411	.43394	.67655	.41429	.10507	.38090	.90768
#1	.00459	.08400	.18629	.10484	181.37	5.1813	.06301
#2	.00475	.08432	.18425	.10438	181.00	5.1962	.06386
#3	.00460	.08360	.18402	.10398	181.15	5.2205	.06277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.359**	**4.9228**	**.00919**	**1.3494**	**.07108**	F **6653.2**	**.26624**
Stddev	.015	.0063	.00014	.0103	.00022	18.6	.00184
%RSD	.14750	.12711	1.5120	.76327	.31205	.28009	.69261
#1	10.374	4.9192	.00911	1.3467	.07085	6636.2	.26411
#2	10.344	4.9191	.00911	1.3608	.07109	6673.1	.26722
#3	10.358	4.9300	.00935	1.3408	.07130	6650.2	.26738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082548 Acquired: 3/31/2011 23:35:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.799**	F **107.46**	F **504.54**	**.00604**	**.00851**	F **331.77**	**.00803**
Stddev	7.936	.23	.57	.00039	.00288	.12	.00023
%RSD	18.542	.21197	.11206	6.4597	33.883	.03485	2.8657
#1	-50.254	107.33	504.95	.00564	.00733	331.79	.00778
#2	-43.688	107.72	503.90	.00642	.00640	331.87	.00824
#3	-34.457	107.31	504.78	.00605	.01179	331.64	.00806
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27640**	**.23683**	**.00977**	**.43026**	**.41478**	F **82.210**
Stddev	.00067	.00052	.00044	.00156	.00017	.369
%RSD	.24075	.22073	4.4889	.36217	.04179	.44873
#1	.27569	.23651	.00938	.43112	.41459	82.545
#2	.27702	.23654	.01025	.43119	.41493	82.269
#3	.27649	.23743	.00968	.42846	.41481	81.815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66351.**	**66003.**
Stddev	92.	158.
%RSD	.13838	.23899
#1	66297.	65875.
#2	66298.	66179.
#3	66457.	65953.

Approved: April 01, 2011

Sample Name: L1103082601 Acquired: 3/31/2011 23:38:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**71.771**	**.07187**	**.06645**	**.92115**	**.00735**	**33.654**
Stddev	.00015	.698	.00131	.00056	.00369	.00004	.096
%RSD	4.5884	.97259	1.8167	.83735	.40025	.59190	.28520
#1	.00347	71.645	.07052	.06588	.91715	.00733	33.552
#2	.00318	72.524	.07198	.06699	.92187	.00740	33.667
#3	.00325	71.145	.07312	.06649	.92442	.00732	33.742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00505**	**.07145**	**.12933**	**.10471**	**135.13**	**6.0731**	**.04248**
Stddev	.00008	.00028	.00101	.00026	.60	.0234	.00105
%RSD	1.5261	.39375	.77868	.24483	.44672	.38508	2.4794
#1	.00499	.07115	.12865	.10448	134.50	6.0461	.04304
#2	.00503	.07171	.13048	.10499	135.19	6.0873	.04313
#3	.00514	.07150	.12884	.10467	135.70	6.0858	.04126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6273**	**4.1609**	**.00770**	**1.0910**	**.05567**	F **8927.7**	**.27759**
Stddev	.0366	.0093	.00025	.0115	.00033	54.4	.00320
%RSD	.37971	.22291	3.2845	1.0513	.59504	.60973	1.1546
#1	9.5862	4.1510	.00759	1.0879	.05603	8866.4	.27394
#2	9.6562	4.1623	.00799	1.1037	.05538	8946.7	.27992
#3	9.6396	4.1694	.00752	1.0814	.05559	8970.1	.27893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082601 Acquired: 3/31/2011 23:38:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.632**	F **145.62**	F **793.84**	**.00499**	**.00866**	F **327.79**	**.00712**
Stddev	6.729	.28	1.01	.00107	.00258	.28	.00041
%RSD	14.746	.19253	.12701	21.351	29.769	.08683	5.6883
#1	-44.306	145.32	794.71	.00622	.01163	327.46	.00665
#2	-39.665	145.88	792.73	.00448	.00733	327.95	.00733
#3	-52.925	145.66	794.07	.00428	.00702	327.96	.00738
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23703**	**.21925**	**.00771**	**.32449**	**.55279**	F **65.688**
Stddev	.00052	.00102	.00094	.00114	.00118	.587
%RSD	.22092	.46560	12.200	.35070	.21288	.89323
#1	.23646	.21812	.00685	.32509	.55155	65.637
#2	.23715	.22011	.00871	.32521	.55389	66.299
#3	.23748	.21952	.00755	.32318	.55293	65.129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66870.**	**66652.**
Stddev	215.	251.
%RSD	.32159	.37632
#1	66847.	66940.
#2	66667.	66487.
#3	67096.	66528.

Approved: April 01, 2011

Sample Name: L1103082602 Acquired: 3/31/2011 23:42:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**81.552**	**.08037**	**.07239**	**.98436**	**.00863**	**28.361**
Stddev	.00067	.749	.00028	.00111	.00091	.00000	.084
%RSD	21.496	.91894	.35096	1.5315	.09268	.02289	.29762
#1	.00354	80.734	.08006	.07244	.98484	.00863	28.354
#2	.00236	82.205	.08042	.07347	.98493	.00863	28.280
#3	.00351	81.718	.08062	.07126	.98330	.00863	28.448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**.08031**	**.16653**	**.09532**	**166.01**	**4.0064**	**.04555**
Stddev	.00004	.00020	.00070	.00044	.14	.0079	.00219
%RSD	.79485	.24371	.42211	.46289	.08645	.19622	4.8183
#1	.00526	.08037	.16574	.09527	166.02	3.9980	.04302
#2	.00526	.08008	.16709	.09490	166.15	4.0136	.04695
#3	.00533	.08046	.16676	.09578	165.86	4.0074	.04667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0679**	**4.6132**	**.00923**	**1.3268**	**.05806**	F **6248.4**	**.27081**
Stddev	.0347	.0137	.00026	.0130	.00016	3.4	.00102
%RSD	.38257	.29633	2.8665	.97956	.27152	.05421	.37751
#1	9.0511	4.6122	.00929	1.3229	.05810	6251.2	.27098
#2	9.0448	4.6000	.00894	1.3163	.05819	6244.6	.27173
#3	9.1078	4.6273	.00945	1.3413	.05788	6249.3	.26971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082602 Acquired: 3/31/2011 23:42:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.884**	F **90.706**	F **461.04**	**.00571**	**.00823**	F **324.72**	**.00758**
Stddev	4.862	.197	1.04	.00104	.00207	.59	.00007
%RSD	9.9469	.21680	.22508	18.240	25.216	.18100	.90120
#1	-52.191	90.750	461.19	.00462	.00789	324.67	.00755
#2	-43.301	90.491	459.94	.00581	.01045	324.15	.00754
#3	-51.159	90.876	462.00	.00669	.00634	325.33	.00766
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21879**	**.21593**	**.01072**	**.38673**	**.43644**	F **70.806**
Stddev	.00116	.00140	.00043	.00107	.00075	.161
%RSD	.52945	.64987	4.0365	.27740	.17228	.22693
#1	.21877	.21716	.01096	.38630	.43585	70.778
#2	.21764	.21622	.01022	.38594	.43620	70.661
#3	.21995	.21440	.01099	.38795	.43729	70.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67246.**	**66211.**
Stddev	99.	216.
%RSD	.14722	.32653
#1	67297.	66017.
#2	67308.	66444.
#3	67132.	66171.

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 23:45:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42896**	**10.616**	**.41741**	**.52603**	**.99587**	**.05204**	**9.8066**
Stddev	.00138	.014	.00210	.00048	.00105	.00005	.0214
%RSD	.32119	.13114	.50422	.09147	.10572	.09339	.21842
#1	.42904	10.601	.41520	.52583	.99693	.05200	9.8161
#2	.42755	10.629	.41939	.52568	.99482	.05202	9.7821
#3	.43030	10.618	.41765	.52658	.99586	.05209	9.8217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05282**	**.21069**	**.51491**	**.51915**	**3.9997**	**48.819**	**1.0020**
Stddev	.00010	.00027	.00132	.00047	.0161	.075	.0011
%RSD	.18950	.12968	.25680	.08965	.40340	.15419	.11106
#1	.05281	.21080	.51343	.51934	4.0135	48.874	1.0033
#2	.05292	.21090	.51530	.51949	3.9820	48.734	1.0012
#3	.05273	.21038	.51599	.51862	4.0036	48.850	1.0015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.009**	**.50155**	F **1.1191**	**50.677**	**.51101**	F **5.5829**	**.51826**
Stddev	.045	.00013	.0004	.150	.00066	2.1710	.00324
%RSD	.44781	.02538	.03183	.29614	.12929	38.887	.62459
#1	10.046	.50162	1.1195	50.581	.51173	6.0472	.51544
#2	9.9593	.50140	1.1188	50.601	.51085	3.2173	.51755
#3	10.023	.50163	1.1191	50.850	.51044	7.4843	.52180
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 3/31/2011 23:45:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.317**	F **8.9269**	F **-.95618**	F **1.3246**	**.42427**	F **723.47**	**1.0939**
Stddev	9.637	.0217	.27070	.0017	.00165	.97	.0011
%RSD	85.160	.24349	28.311	.12822	.38997	.13447	.10274
#1	-1.7063	8.9021	-.67575	1.3247	.42286	724.07	1.0941
#2	-11.263	8.9358	-1.2160	1.3262	.42609	723.99	1.0949
#3	-20.981	8.9428	-.97681	1.3228	.42385	722.35	1.0927
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000	1.2000		5.0000	
Range	-10.000%	-10.000%	-10.000%	10.000%		10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98890**	**1.0664**	**.53028**	**1.0688**	**1.0296**	**1.0499**
Stddev	.00215	.0014	.00168	.0018	.0005	.1069
%RSD	.21704	.12888	.31666	.16667	.04659	10.186
#1	.98759	1.0679	.52999	1.0682	1.0301	1.0130
#2	.98773	1.0656	.53208	1.0674	1.0293	1.1704
#3	.99138	1.0656	.52876	1.0708	1.0293	.96627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66902.**	**63272.**
Stddev	80.	256.
%RSD	.11941	.40454
#1	66992.	63121.
#2	66839.	63568.
#3	66876.	63127.

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 23:48:54 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00944**	**.00070**	**.00214**	**-.00032**	**.00000**	**.00092**
Stddev	.00040	.00095	.00126	.00061	.00014	.00001	.00401
%RSD	6502.0	10.073	180.00	28.270	44.460	297.72	435.05
#1	.00022	.00883	-.00018	.00276	-.00016	.00000	-.00337
#2	-.00046	.00897	.00013	.00211	-.00044	.00002	.00157
#3	.00023	.01054	.00215	.00156	-.00037	-.00001	.00456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00001**	**-.00001**	**.00039**	**.00262**	**.02419**	**.00151**
Stddev	.00009	.00014	.00014	.00016	.00423	.01159	.00086
%RSD	586.68	943.71	2626.3	41.110	161.39	47.935	57.083
#1	-.00005	.00006	-.00013	.00032	.00747	.02038	.00249
#2	-.00002	-.00018	-.00003	.00058	.00063	.03721	.00085
#3	.00012	.00007	.00014	.00028	-.00025	.01498	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01247**	**-.00053**	**.00019**	**.01171**	**.00008**	F **-5.2866**	**.00078**
Stddev	.00897	.00018	.00002	.00844	.00023	4.2121	.00068
%RSD	71.993	34.561	9.7438	72.068	283.93	79.675	87.874
#1	.01863	-.00060	.00022	.02116	-.00012	-10.124	.00000
#2	.00217	-.00067	.00018	.00904	.00003	-3.3025	.00126
#3	.01659	-.00032	.00018	.00493	.00034	-2.4331	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 3/31/2011 23:48:54 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-24.228**	F **-.09938**	F **-.55843**	**-.00163**	**-.00104**	**.03232**	**-.00027**
Stddev	8.512	.02584	.08543	.00128	.00139	.09310	.00017
%RSD	35.131	26.000	15.298	78.857	133.81	288.08	62.035
#1	-30.383	-.12102	-.56962	-.00231	-.00253	-.07377	-.00046
#2	-27.787	-.07077	-.46795	-.00015	-.00081	.10043	-.00022
#3	-14.515	-.10636	-.63771	-.00243	.00022	.07030	-.00014
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00186**	**.00022**	**.00008**	**-.00060**	**.05168**
Stddev	.00004	.00003	.00026	.00017	.00007	.05722
%RSD	81.759	1.8544	118.29	209.59	11.696	110.72
#1	-.00002	.00183	-.00004	.00003	-.00054	.06133
#2	-.00003	.00185	.00048	-.00006	-.00068	.10345
#3	-.00009	.00190	.00021	.00027	-.00059	-.00975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68096.**	**63903.**
Stddev	14.	594.
%RSD	.02026	.92956
#1	68101.	63869.
#2	68080.	64513.
#3	68106.	63326.

Approved: April 01, 2011

Sample Name: L1103082603 Acquired: 3/31/2011 23:52:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00297**	**83.041**	**.08763**	**.08066**	**.96373**	**.00800**	**453.27**
Stddev	.00009	.182	.00069	.00040	.00168	.00002	11.58
%RSD	3.2005	.21955	.78786	.49356	.17466	.27195	2.5546
#1	.00307	83.026	.08732	.08027	.96564	.00798	441.30
#2	.00288	83.231	.08843	.08107	.96248	.00799	464.41
#3	.00296	82.867	.08715	.08066	.96305	.00802	454.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**.07612**	**.15992**	**.11955**	**170.44**	**10.705**	**.08646**
Stddev	.00007	.00033	.00059	.00038	.20	.053	.00090
%RSD	1.5061	.43007	.36854	.32036	.11941	.49737	1.0391
#1	.00475	.07576	.16018	.11950	170.22	10.661	.08551
#2	.00488	.07640	.16034	.11995	170.49	10.691	.08730
#3	.00489	.07621	.15924	.11919	170.61	10.764	.08655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.177**	**4.1417**	**.00777**	**.96428**	**.09956**	F **11196.**	**.21745**
Stddev	.108	.0160	.00005	.00415	.00032	25.	.00143
%RSD	.56185	.38678	.66646	.43033	.31707	.22428	.65926
#1	19.054	4.1233	.00773	.96179	.09923	11209.	.21584
#2	19.220	4.1495	.00782	.96198	.09961	11213.	.21790
#3	19.256	4.1524	.00775	.96907	.09985	11168.	.21860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082603 Acquired: 3/31/2011 23:52:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.072**	F **530.63**	F **891.46**	**.00524**	**.00909**	F **370.93**	**.00701**
Stddev	6.550	.69	.72	.00157	.00207	.92	.00002
%RSD	11.681	.13015	.08048	29.992	22.766	.24805	.27556
#1	-63.634	531.12	892.06	.00412	.00727	370.62	.00701
#2	-52.202	530.94	890.66	.00703	.01134	371.96	.00703
#3	-52.380	529.84	891.66	.00455	.00866	370.20	.00699
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0721**	**.21846**	**.00787**	**.33587**	**.61698**	F **64.554**
Stddev	.0061	.00058	.00005	.00146	.00124	.408
%RSD	.29605	.26330	.65387	.43424	.20067	.63141
#1	2.0668	.21824	.00782	.33526	.61810	64.871
#2	2.0707	.21912	.00792	.33753	.61720	64.697
#3	2.0788	.21803	.00787	.33482	.61565	64.094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63045.**	**65703.**
Stddev	195.	437.
%RSD	.30867	.66460
#1	62928.	66143.
#2	62939.	65270.
#3	63270.	65696.

Approved: April 01, 2011

Sample Name: L1103082604 Acquired: 3/31/2011 23:56:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**75.024**	**.09582**	**.07447**	**.84743**	**.00879**	**23.952**
Stddev	.00034	1.170	.00097	.00009	.00290	.00003	.113
%RSD	9.2914	1.5590	1.0172	.11743	.34243	.39239	.47173
#1	.00325	73.678	.09632	.07439	.85029	.00881	24.060
#2	.00374	75.786	.09644	.07456	.84752	.00875	23.961
#3	.00389	75.609	.09469	.07445	.84449	.00882	23.834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00483**	**.07455**	**.16592**	**.08767**	**180.59**	**4.0519**	**.03587**
Stddev	.00003	.00034	.00135	.00059	.54	.0440	.00102
%RSD	.71497	.46032	.81337	.66909	.29639	1.0869	2.8560
#1	.00481	.07415	.16595	.08725	181.11	4.0945	.03704
#2	.00481	.07470	.16456	.08743	180.60	4.0547	.03543
#3	.00487	.07479	.16726	.08834	180.04	4.0065	.03514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5646**	**4.1878**	**.01128**	**1.2051**	**.05403**	F **6183.8**	**.28704**
Stddev	.0269	.0061	.00018	.0047	.00023	24.1	.00234
%RSD	.31373	.14645	1.5957	.38877	.43184	.39033	.81554
#1	8.5869	4.1949	.01109	1.2105	.05404	6160.3	.28926
#2	8.5348	4.1848	.01145	1.2026	.05426	6182.7	.28460
#3	8.5722	4.1838	.01129	1.2022	.05379	6208.5	.28726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082604 Acquired: 3/31/2011 23:56:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.559**	F **80.608**	F **404.46**	**.00599**	**.00818**	F **308.23**	**.00743**
Stddev	6.261	.118	1.94	.00154	.00256	1.01	.00005
%RSD	12.383	.14697	.47939	25.685	31.298	.32849	.68434
#1	-49.836	80.649	404.78	.00680	.01010	309.32	.00741
#2	-44.691	80.700	402.38	.00422	.00527	308.05	.00740
#3	-57.149	80.474	406.22	.00696	.00915	307.31	.00749
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18465**	**.22616**	**.01116**	**.42661**	**.38945**	F **59.765**
Stddev	.00102	.00061	.00054	.00167	.00023	.290
%RSD	.55391	.27116	4.8495	.39139	.05847	.48461
#1	.18574	.22659	.01054	.42836	.38919	59.928
#2	.18451	.22643	.01154	.42645	.38960	59.431
#3	.18371	.22546	.01140	.42503	.38955	59.937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66792.**	**67118.**
Stddev	10.	431.
%RSD	.01527	.64209
#1	66799.	66790.
#2	66797.	66957.
#3	66780.	67606.

Approved: April 01, 2011

Sample Name: L1103082605S Acquired: 3/31/2011 23:59:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19413**	**107.37**	**.30804**	**.10014**	**.96099**	**.01046**	**27.113**
Stddev	.00155	.48	.00013	.00184	.00125	.00004	.030
%RSD	.80079	.44427	.04124	1.8326	.13015	.40304	.11223
#1	.19422	107.75	.30794	.10079	.96092	.01051	27.095
#2	.19563	107.52	.30799	.09806	.96228	.01044	27.148
#3	.19253	106.83	.30818	.10156	.95978	.01044	27.095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02784**	**.09070**	**.19839**	**.32605**	**248.13**	**5.6534**	**.05303**
Stddev	.00001	.00010	.00115	.00102	2.69	.0084	.00115
%RSD	.02723	.11524	.57917	.31132	1.0861	.14904	2.1695
#1	.02785	.09081	.19969	.32722	249.88	5.6594	.05177
#2	.02784	.09070	.19752	.32547	245.02	5.6438	.05402
#3	.02784	.09060	.19796	.32546	249.48	5.6570	.05331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.834**	**6.5367**	**.01524**	**1.4002**	**.06267**	F **6380.0**	**.58290**
Stddev	.063	.0102	.00024	.0083	.00055	15.4	.00122
%RSD	.58399	.15647	1.5917	.59557	.87812	.24133	.20941
#1	10.768	6.5288	.01499	1.3921	.06325	6396.1	.58378
#2	10.895	6.5483	.01547	1.4088	.06215	6378.5	.58342
#3	10.838	6.5330	.01525	1.3997	.06262	6365.4	.58151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082605S Acquired: 3/31/2011 23:59:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.500**	F **78.567**	F **373.92**	**.00695**	**.01237**	F **301.88**	**.00863**
Stddev	9.350	.345	.56	.00213	.00117	.69	.00037
%RSD	19.279	.43890	.15065	30.610	9.4844	.22866	4.2321
#1	-58.396	78.964	374.22	.00457	.01132	302.56	.00849
#2	-39.813	78.350	373.27	.00758	.01363	301.92	.00836
#3	-47.290	78.386	374.27	.00868	.01216	301.18	.00905
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20447**	**.22771**	**.01484**	**.54842**	**.34424**	F **78.126**
Stddev	.00038	.00116	.00087	.00236	.00013	.306
%RSD	.18533	.51093	5.8334	.43052	.03862	.39120
#1	.20473	.22675	.01564	.55007	.34426	78.455
#2	.20464	.22901	.01392	.54948	.34437	78.074
#3	.20404	.22738	.01495	.54572	.34410	77.850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66581.**	**66366.**
Stddev	191.	349.
%RSD	.28688	.52591
#1	66374.	66506.
#2	66619.	65968.
#3	66750.	66623.

Approved: April 01, 2011

Sample Name: L1103082606SD Acquired: 4/1/2011 0:03:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19169**	**134.45**	**.27701**	**.10346**	**.81429**	**.01150**	**21.933**
Stddev	.00132	2.22	.00143	.00137	.00221	.00006	.093
%RSD	.68750	1.6495	.51742	1.3271	.27116	.47993	.42430
#1	.19290	136.59	.27854	.10197	.81481	.01155	21.918
#2	.19028	132.17	.27570	.10375	.81187	.01144	21.849
#3	.19190	134.60	.27678	.10467	.81619	.01152	22.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02700**	**.05704**	**.20315**	**.32787**	**254.19**	**5.3051**	**.05718**
Stddev	.00011	.00034	.00120	.00200	1.83	.0187	.00048
%RSD	.39107	.60444	.59024	.60852	.71967	.35257	.84133
#1	.02711	.05742	.20434	.33015	253.38	5.3216	.05759
#2	.02699	.05675	.20317	.32642	252.91	5.2848	.05731
#3	.02690	.05696	.20194	.32705	256.29	5.3090	.05665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.099**	**2.2798**	**.01436**	**1.9202**	**.06714**	F **5044.7**	**.45756**
Stddev	.059	.0057	.00019	.0117	.00013	19.9	.00122
%RSD	.36826	.25044	1.3389	.61127	.19497	.39402	.26570
#1	16.036	2.2783	.01416	1.9248	.06713	5066.7	.45873
#2	16.108	2.2749	.01439	1.9069	.06728	5028.1	.45630
#3	16.153	2.2861	.01454	1.9289	.06702	5039.3	.45764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082606SD Acquired: 4/1/2011 0:03:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360136-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.883**	F **72.769**	F **367.54**	**.00743**	**.00885**	F **344.71**	**.01002**
Stddev	5.104	.517	.71	.00049	.00166	.76	.00022
%RSD	11.372	.71033	.19263	6.6588	18.771	.21992	2.2145
#1	-49.440	73.293	368.36	.00689	.01068	345.58	.01023
#2	-39.368	72.259	367.11	.00785	.00743	344.36	.00979
#3	-45.840	72.754	367.15	.00755	.00844	344.18	.01004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21442**	**.20208**	**.01369**	**.52613**	**.30156**	F **96.067**
Stddev	.00109	.00093	.00065	.00332	.00059	.487
%RSD	.50815	.45974	4.7611	.63152	.19578	.50661
#1	.21436	.20265	.01441	.52986	.30224	96.579
#2	.21337	.20101	.01315	.52349	.30118	96.013
#3	.21554	.20259	.01350	.52504	.30126	95.610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66591.**	**66976.**
Stddev	171.	88.
%RSD	.25676	.13167
#1	66397.	67006.
#2	66720.	67045.
#3	66657.	66876.

Approved: April 01, 2011

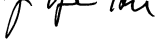
Sample Name: L1103082607 Acquired: 4/1/2011 0:06:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**74.815**	**.08472**	**.07242**	**.87377**	**.00768**	**34.713**
Stddev	.00018	.104	.00027	.00069	.00208	.00001	.044
%RSD	5.7149	.13884	.31613	.95176	.23832	.13367	.12554
#1	.00303	74.752	.08457	.07249	.87614	.00769	34.729
#2	.00292	74.935	.08456	.07170	.87295	.00769	34.747
#3	.00326	74.758	.08503	.07307	.87222	.00767	34.664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00535**	**.07063**	**.16763**	**.11523**	**153.94**	**6.9139**	**.04806**
Stddev	.00006	.00004	.00092	.00065	.31	.0147	.00047
%RSD	1.1628	.05397	.55153	.55987	.19961	.21194	.98524
#1	.00536	.07066	.16799	.11557	154.22	6.8996	.04778
#2	.00540	.07059	.16658	.11563	153.98	6.9132	.04778
#3	.00528	.07064	.16832	.11449	153.61	6.9289	.04860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.264**	**4.0846**	**.00880**	**.74198**	**.06968**	F **10068.**	**.24476**
Stddev	.018	.0064	.00013	.00598	.00030	72.	.00087
%RSD	.17933	.15659	1.5271	.80587	.42738	.71741	.35355
#1	10.282	4.0835	.00896	.73511	.06934	10111.	.24532
#2	10.267	4.0915	.00871	.74489	.06986	10109.	.24376
#3	10.245	4.0788	.00874	.74596	.06986	9984.5	.24521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: L1103082607 Acquired: 4/1/2011 0:06:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.446**	F **160.82**	F **897.46**	**.00585**	**.00817**	F **324.57**	**.00750**
Stddev	3.781	.77	.37	.00027	.00141	.59	.00014
%RSD	6.6976	.48123	.04107	4.5473	17.203	.18259	1.9064
#1	-53.264	161.38	897.82	.00581	.00977	324.91	.00756
#2	-55.450	161.15	897.48	.00560	.00761	324.92	.00761
#3	-60.625	159.94	897.08	.00613	.00713	323.89	.00734
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23090**	**.21006**	**.00853**	**.35037**	**.52162**	F **59.657**
Stddev	.00020	.00062	.00102	.00049	.00060	.311
%RSD	.08562	.29675	11.971	.14104	.11495	.52151
#1	.23079	.20969	.00958	.34983	.52215	59.321
#2	.23113	.20971	.00848	.35081	.52097	59.713
#3	.23078	.21078	.00754	.35045	.52175	59.936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67050.**	**67738.**
Stddev	172.	407.
%RSD	.25582	.60093
#1	66877.	67620.
#2	67053.	67403.
#3	67220.	68191.

Approved: April 01, 2011

Sample Name: L1103082608 Acquired: 4/1/2011 0:10:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**116.80**	**.10480**	**.10141**	**1.1627**	**.01150**	**40.047**
Stddev	.00062	.48	.00003	.00164	.0021	.00007	.121
%RSD	20.497	.41141	.02610	1.6196	.18204	.63396	.30178
#1	.00271	116.62	.10482	.09958	1.1626	.01144	40.017
#2	.00375	116.44	.10481	.10188	1.1607	.01148	39.943
#3	.00264	117.35	.10477	.10276	1.1649	.01158	40.180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**.11347**	**.23327**	**.12213**	**232.10**	**7.2489**	**.07841**
Stddev	.00007	.00049	.00148	.00062	1.48	.0038	.00163
%RSD	1.4180	.42834	.63234	.51010	.63970	.05228	2.0800
#1	.00487	.11338	.23255	.12189	230.39	7.2489	.07707
#2	.00486	.11303	.23230	.12167	233.06	7.2451	.08023
#3	.00498	.11399	.23497	.12284	232.85	7.2526	.07793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.251**	**4.5694**	**.01052**	**1.2904**	**.10278**	F **9598.1**	**.28186**
Stddev	.039	.0070	.00032	.0085	.00029	17.8	.00062
%RSD	.31796	.15346	3.0766	.66173	.28538	.18525	.21881
#1	12.208	4.5632	.01063	1.2983	.10248	9594.7	.28125
#2	12.264	4.5681	.01015	1.2813	.10306	9582.3	.28184
#3	12.283	4.5770	.01077	1.2915	.10280	9617.4	.28249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082608 Acquired: 4/1/2011 0:10:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.447**	F **106.84**	F **503.33**	**.00595**	**.00895**	F **314.16**	**.00905**
Stddev	3.487	.66	1.10	.00162	.00139	.17	.00010
%RSD	5.9666	.61382	.21761	27.165	15.511	.05300	1.1065
#1	-60.317	106.29	503.12	.00643	.01052	314.15	.00893
#2	-54.423	106.67	502.36	.00415	.00791	314.33	.00910
#3	-60.600	107.57	504.52	.00728	.00841	314.00	.00911
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28031**	**.20991**	**.01213**	**.48920**	**.49248**	F **85.901**
Stddev	.00045	.00064	.00060	.00027	.00057	.348
%RSD	.16012	.30321	4.9285	.05520	.11510	.40476
#1	.28035	.21063	.01169	.48939	.49191	85.831
#2	.27984	.20965	.01188	.48933	.49249	85.593
#3	.28073	.20944	.01281	.48889	.49305	86.278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66770.**	**66823.**
Stddev	207.	83.
%RSD	.31071	.12480
#1	66892.	66811.
#2	66888.	66746.
#3	66531.	66912.

Approved: April 01, 2011

Sample Name: L1103082609 Acquired: 4/1/2011 0:13:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**78.679**	**.21146**	**.09978**	**1.0190**	**.00860**	**62.138**
Stddev	.00065	.811	.00079	.01034	.0043	.00013	.418
%RSD	18.351	1.0310	.37238	10.368	.42173	1.5255	.67336
#1	.00350	78.479	.21231	.09341	1.0234	.00866	62.596
#2	.00423	79.572	.21075	.11171	1.0189	.00845	62.045
#3	.00293	77.987	.21134	.09420	1.0148	.00869	61.775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**.08972**	**.30344**	**.39641**	**174.34**	**7.1955**	**.05132**
Stddev	.00009	.00030	.00537	.00128	.58	.0473	.00042
%RSD	1.4319	.32914	1.7685	.32318	.33355	.65676	.82022
#1	.00633	.08939	.30571	.39494	175.00	7.2498	.05155
#2	.00641	.08981	.29731	.39722	174.08	7.1736	.05084
#3	.00623	.08997	.30731	.39709	173.93	7.1632	.05158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.950**	**5.3279**	**.00745**	**1.0818**	**.08932**	F **16005.**	**.34744**
Stddev	.018	.0109	.00008	.0112	.00034	22.	.00267
%RSD	.16312	.20392	1.1293	1.0340	.38479	.13846	.76793
#1	10.956	5.3403	.00755	1.0905	.08897	15984.	.34668
#2	10.930	5.3204	.00739	1.0857	.08965	16004.	.35040
#3	10.965	5.3229	.00741	1.0692	.08935	16028.	.34523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082609 Acquired: 4/1/2011 0:13:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-51.514**	F **217.17**	F **1113.0**	**.00681**	**.01023**	F **322.57**	**.00906**
Stddev	2.286	.46	1.6	.00113	.00184	.63	.00013
%RSD	4.4380	.21094	.13966	16.656	17.979	.19520	1.4278
#1	-50.276	216.97	1114.7	.00608	.00924	322.33	.00898
#2	-54.152	216.84	1112.5	.00812	.01235	323.29	.00899
#3	-50.113	217.69	1111.8	.00623	.00909	322.11	.00921
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35138**	**.19249**	**.00962**	**.37101**	**.73249**	F **62.712**
Stddev	.00209	.00083	.00172	.00778	.00214	1.166
%RSD	.59452	.42986	17.861	2.0975	.29261	1.8599
#1	.35357	.19343	.01070	.37473	.73013	62.986
#2	.35115	.19218	.00764	.36207	.73303	61.434
#3	.34941	.19187	.01052	.37624	.73431	63.718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66208.**	**66664.**
Stddev	76.	423.
%RSD	.11543	.63463
#1	66293.	66305.
#2	66186.	67131.
#3	66145.	66557.

Approved: April 01, 2011

Sample Name: L1103082610 Acquired: 4/1/2011 0:17:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**76.083**	**.07134**	**.06842**	**.80176**	**.00804**	**28.330**
Stddev	.00051	.318	.00037	.00050	.00171	.00001	.071
%RSD	18.774	.41741	.51559	.73295	.21320	.13584	.25195
#1	.00277	76.355	.07176	.06789	.80360	.00804	28.403
#2	.00324	75.734	.07116	.06888	.80145	.00805	28.327
#3	.00221	76.160	.07109	.06851	.80022	.00803	28.260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**.08220**	**.16598**	**.07845**	**151.89**	**3.4145**	**.03875**
Stddev	.00010	.00013	.00061	.00069	.27	.0192	.00134
%RSD	2.4451	.16007	.36976	.88230	.17720	.56114	3.4495
#1	.00422	.08225	.16602	.07817	152.06	3.4174	.03823
#2	.00403	.08229	.16658	.07924	152.02	3.4321	.04027
#3	.00407	.08204	.16535	.07794	151.58	3.3941	.03775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.5219**	**3.3636**	**.00911**	**1.6658**	**.05504**	F **5697.3**	**.25041**
Stddev	.0180	.0037	.00024	.0029	.00054	3.8	.00061
%RSD	.23971	.10950	2.6333	.17253	.97809	.06656	.24558
#1	7.5035	3.3653	.00889	1.6651	.05530	5693.5	.25106
#2	7.5396	3.3662	.00937	1.6689	.05541	5701.1	.25034
#3	7.5225	3.3594	.00908	1.6633	.05443	5697.4	.24984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082610 Acquired: 4/1/2011 0:17:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-51.920**	F **91.945**	F **459.32**	**.00571**	**.00775**	F **304.99**	**.00700**
Stddev	2.325	.138	.22	.00050	.00058	.16	.00012
%RSD	4.4790	.14969	.04772	8.7041	7.4701	.05190	1.6606
#1	-54.597	91.984	459.19	.00517	.00758	305.12	.00706
#2	-50.760	92.058	459.21	.00614	.00840	305.03	.00708
#3	-50.402	91.792	459.58	.00584	.00728	304.81	.00687
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19190**	**.21268**	**.00974**	**.37365**	**.37119**	F **62.883**
Stddev	.00032	.00070	.00132	.00047	.00023	.119
%RSD	.16754	.32703	13.497	.12464	.06174	.18998
#1	.19225	.21348	.01082	.37361	.37122	63.018
#2	.19184	.21218	.00828	.37414	.37141	62.793
#3	.19162	.21239	.01013	.37321	.37096	62.837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66846.**	**67708.**
Stddev	188.	318.
%RSD	.28118	.46980
#1	66823.	67502.
#2	66671.	67548.
#3	67045.	68074.

Approved: April 01, 2011

Sample Name: L1103082611 Acquired: 4/1/2011 0:20:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**64.360**	**.07450**	**.05883**	**.91250**	**.00731**	**29.657**
Stddev	.00033	.451	.00180	.00038	.00159	.00004	.045
%RSD	9.4355	.70055	2.4106	.65208	.17390	.51223	.15291
#1	.00369	64.793	.07255	.05851	.91072	.00731	29.702
#2	.00364	64.393	.07608	.05872	.91377	.00735	29.611
#3	.00310	63.893	.07488	.05925	.91303	.00727	29.658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00622**	**.06531**	**.13132**	**.11295**	**134.09**	**4.7220**	**.03360**
Stddev	.00005	.00027	.00073	.00097	.21	.0180	.00007
%RSD	.73011	.40720	.55713	.85839	.15531	.38091	.20481
#1	.00627	.06547	.13198	.11391	133.86	4.7023	.03354
#2	.00619	.06500	.13143	.11197	134.16	4.7260	.03358
#3	.00619	.06545	.13053	.11296	134.26	4.7376	.03367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.6788**	**4.0003**	**.00885**	**.78968**	**.05295**	F **8803.1**	**.30275**
Stddev	.0146	.0049	.00008	.00455	.00042	13.9	.00052
%RSD	.16854	.12224	.87114	.57640	.80080	.15758	.17172
#1	8.6957	4.0059	.00891	.79472	.05247	8803.5	.30236
#2	8.6713	3.9983	.00886	.78845	.05328	8789.1	.30334
#3	8.6695	3.9967	.00876	.78587	.05310	8816.8	.30256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082611 Acquired: 4/1/2011 0:20:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.206**	F **128.28**	F **698.60**	**.00516**	**.00799**	F **315.04**	**.00809**
Stddev	6.895	.55	5.29	.00156	.00028	.55	.00025
%RSD	12.960	.42747	.75728	30.281	3.4577	.17454	3.1163
#1	-51.257	128.91	695.49	.00478	.00803	315.44	.00837
#2	-60.866	127.90	695.60	.00382	.00770	314.41	.00799
#3	-47.495	128.03	704.71	.00688	.00825	315.26	.00789
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20990**	**.22919**	**.00752**	**.32357**	**.63750**	F **61.837**
Stddev	.00066	.00061	.00134	.00107	.00046	.201
%RSD	.31336	.26537	17.824	.33029	.07278	.32562
#1	.21064	.22970	.00871	.32473	.63803	62.065
#2	.20939	.22936	.00607	.32335	.63733	61.762
#3	.20966	.22852	.00780	.32263	.63716	61.683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67439.**	**67594.**
Stddev	209.	146.
%RSD	.30990	.21653
#1	67198.	67426.
#2	67543.	67663.
#3	67575.	67694.

Approved: April 01, 2011

Sample Name: L1103082612 Acquired: 4/1/2011 0:24:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**122.07**	**.11403**	**.10021**	**1.2875**	**.01252**	**42.717**
Stddev	.00034	.88	.00065	.00146	.0037	.00003	.126
%RSD	12.779	.71943	.57211	1.4558	.28451	.27514	.29437
#1	.00259	121.13	.11352	.10093	1.2918	.01255	42.684
#2	.00238	122.23	.11381	.09853	1.2852	.01252	42.856
#3	.00305	122.86	.11477	.10117	1.2857	.01248	42.611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.11350**	**.19652**	**.16640**	**238.84**	**10.909**	**.07642**
Stddev	.00006	.00033	.00060	.00102	1.92	.036	.00116
%RSD	1.0888	.28984	.30336	.61441	.80460	.33328	1.5236
#1	.00511	.11315	.19613	.16523	240.31	10.931	.07537
#2	.00506	.11353	.19720	.16685	236.67	10.928	.07767
#3	.00500	.11380	.19622	.16712	239.55	10.867	.07622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.160**	**5.1544**	**.01037**	**1.7371**	**.14302**	F **8020.9**	**.24456**
Stddev	.039	.0091	.00029	.0114	.00050	4.7	.00106
%RSD	.20505	.17548	2.8145	.65841	.34751	.05893	.43537
#1	19.125	5.1454	.01026	1.7239	.14284	8018.8	.24418
#2	19.203	5.1635	.01071	1.7447	.14359	8026.3	.24577
#3	19.152	5.1544	.01015	1.7426	.14264	8017.5	.24374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082612 Acquired: 4/1/2011 0:24:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.424**	F **105.57**	F **466.20**	**.00719**	**.01044**	F **288.66**	**.01403**
Stddev	2.893	.19	.62	.00051	.00253	.77	.00018
%RSD	5.1269	.17885	.13309	7.1114	24.236	.26705	1.3040
#1	-53.495	105.38	466.00	.00661	.01175	288.63	.01386
#2	-56.496	105.76	465.71	.00757	.01205	289.45	.01422
#3	-59.279	105.57	466.90	.00738	.00753	287.91	.01400
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33637**	**.15801**	**.01091**	**.43995**	**.51983**	F **78.395**
Stddev	.00100	.00020	.00053	.00054	.00062	.442
%RSD	.29836	.12627	4.8497	.12185	.11881	.56381
#1	.33589	.15806	.01046	.44012	.51947	77.889
#2	.33753	.15779	.01077	.44039	.52055	78.704
#3	.33570	.15818	.01149	.43935	.51948	78.592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66594.**	**68257.**
Stddev	155.	416.
%RSD	.23205	.60985
#1	66680.	68150.
#2	66416.	67905.
#3	66687.	68717.

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 0:27:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43551**	**10.610**	**.41902**	**.52833**	**.99094**	**.05216**	**9.7050**
Stddev	.00222	.038	.00072	.00044	.00519	.00025	.0633
%RSD	.50909	.35428	.17126	.08259	.52359	.48406	.65177
#1	.43588	10.654	.41923	.52862	.98496	.05226	9.6547
#2	.43313	10.590	.41822	.52855	.99376	.05187	9.6843
#3	.43751	10.588	.41961	.52783	.99412	.05235	9.7760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05317**	**.21196**	**.51315**	**.52266**	**3.9628**	**48.477**	**1.0012**
Stddev	.00010	.00049	.00139	.00077	.0205	.289	.0037
%RSD	.19546	.22960	.27125	.14811	.51655	.59531	.36435
#1	.05328	.21245	.51272	.52312	3.9394	48.227	.99702
#2	.05307	.21147	.51201	.52176	3.9773	48.410	1.0026
#3	.05315	.21195	.51470	.52308	3.9716	48.793	1.0039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8997**	**.50100**	F **1.1214**	**50.355**	**.51352**	F **.61457**	**.52086**
Stddev	.0365	.00071	.0012	.255	.00098	1.0227	.00117
%RSD	.36875	.14254	.10745	.50609	.19109	166.40	.22547
#1	9.8591	.50087	1.1215	50.328	.51342	-.19689	.52066
#2	9.9100	.50035	1.1226	50.115	.51259	1.7633	.51979
#3	9.9299	.50177	1.1202	50.622	.51454	.27734	.52212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 0:27:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-27.344**	F **8.9088**	F **-1.0076**	F **1.3350**	**.42944**	F **727.57**	**1.0976**
Stddev	.618	.0764	.0863	.0036	.00167	1.69	.0031
%RSD	2.2604	.85711	8.5676	.27202	.38904	.23168	.27902
#1	-26.665	8.9360	-.92056	1.3392	.43041	728.14	1.1011
#2	-27.495	8.8226	-1.0091	1.3325	.42751	725.67	1.0953
#3	-27.873	8.9678	-1.0932	1.3333	.43040	728.89	1.0965
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000	1.2000		5.0000	
Range	-10.000%	-10.000%	-10.000%	10.000%		10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98404**	**1.0634**	**.53184**	**1.0797**	**1.0331**	F **1.1330**
Stddev	.00444	.0025	.00219	.0021	.0015	.0613
%RSD	.45166	.23093	.41104	.19600	.14275	5.4126
#1	.98353	1.0609	.53406	1.0816	1.0346	1.1055
#2	.97987	1.0633	.53178	1.0774	1.0331	1.0902
#3	.98871	1.0659	.52969	1.0802	1.0316	1.2032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67131.**	**65169.**
Stddev	107.	411.
%RSD	.15980	.63093
#1	67118.	65396.
#2	67245.	65417.
#3	67031.	64695.

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 0:31:05 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00743**	**.00028**	**.00155**	**-.00021**	**-.00001**	**.00435**
Stddev	.00027	.00125	.00028	.00031	.00022	.00000	.00428
%RSD	135.45	16.820	98.478	20.242	105.62	35.245	98.326
#1	-.00016	.00859	.00001	.00147	.00000	.00000	.00485
#2	.00005	.00759	.00057	.00129	-.00018	.00000	.00835
#3	-.00049	.00611	.00026	.00190	-.00044	-.00001	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00014**	**.00014**	**-.00009**	**.00171**	**.05888**	**.00119**
Stddev	.00003	.00008	.00027	.00018	.00090	.03622	.00005
%RSD	54.005	56.160	185.52	201.36	52.651	61.508	4.2632
#1	-.00009	-.00017	.00042	.00012	.00252	.06813	.00122
#2	-.00003	-.00005	-.00011	-.00022	.00187	.08959	.00122
#3	-.00006	-.00020	.00012	-.00017	.00074	.01894	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00402**	**-.00054**	**.00007**	**.02323**	**.00050**	F **-5.7049**	**.00014**
Stddev	.00709	.00008	.00009	.00192	.00064	6.1613	.00098
%RSD	176.36	14.701	131.78	8.2863	128.08	108.00	679.87
#1	-.00199	-.00052	.00017	.02507	.00054	-12.801	.00073
#2	-.01191	-.00063	-.00001	.02338	-.00016	-2.6004	.00068
#3	.00184	-.00047	.00005	.02123	.00112	-1.7134	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 0:31:05 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-22.434**	F **-.08284**	F **-.88440**	**-.00195**	**.00039**	**.03914**	**-.00029**
Stddev	5.807	.03242	.02012	.00062	.00132	.07624	.00008
%RSD	25.885	39.144	2.2750	31.935	335.14	194.81	27.120
#1	-23.814	-.06268	-.88901	-.00193	.00042	-.01484	-.00021
#2	-16.062	-.12024	-.86238	-.00134	-.00094	.00589	-.00037
#3	-27.427	-.06558	-.90182	-.00258	.00169	.12636	-.00030
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00122**	**-.00053**	**.00011**	**-.00061**	**.04037**
Stddev	.00005	.00029	.00062	.00021	.00001	.07983
%RSD	81.582	23.826	116.74	189.95	.92456	197.73
#1	-.00012	.00094	.00018	.00023	-.00061	.12289
#2	-.00002	.00120	-.00098	.00023	-.00062	.03471
#3	-.00005	.00152	-.00080	-.00013	-.00061	-.03648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68247.**	**64286.**
Stddev	120.	62.
%RSD	.17604	.09683
#1	68367.	64236.
#2	68127.	64356.
#3	68246.	64267.

Approved: April 01, 2011

Sample Name: L1103082613 Acquired: 4/1/2011 0:34:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**84.089**	**.09306**	**.08518**	**.98295**	**.00803**	**152.62**
Stddev	.00048	.729	.00053	.00059	.00227	.00005	.41
%RSD	18.178	.86724	.56513	.68934	.23046	.56226	.26793
#1	.00320	84.930	.09246	.08578	.98299	.00808	152.80
#2	.00242	83.637	.09324	.08513	.98066	.00799	152.91
#3	.00232	83.700	.09347	.08461	.98519	.00802	152.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00521**	**.07316**	**.17451**	**.12781**	**171.74**	**9.0711**	**.06381**
Stddev	.00006	.00044	.00046	.00083	.29	.0283	.00049
%RSD	1.1719	.59836	.26608	.64804	.16845	.31243	.76439
#1	.00514	.07344	.17502	.12779	171.79	9.0495	.06437
#2	.00524	.07266	.17410	.12699	171.43	9.0607	.06352
#3	.00525	.07339	.17442	.12865	172.00	9.1032	.06353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.891**	**3.8343**	**.00912**	**1.1911**	**.08913**	F **11984.**	**.24851**
Stddev	.011	.0023	.00015	.0050	.00014	33.	.00032
%RSD	.06693	.05996	1.6972	.41957	.15313	.27265	.13040
#1	15.900	3.8340	.00930	1.1877	.08929	12003.	.24873
#2	15.895	3.8368	.00901	1.1969	.08905	11946.	.24866
#3	15.879	3.8322	.00906	1.1888	.08906	12003.	.24813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082613 Acquired: 4/1/2011 0:34:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.937**	F **269.82**	F **948.66**	**.00533**	**.00703**	F **329.44**	**.00828**
Stddev	5.368	.65	.30	.00043	.00131	.04	.00010
%RSD	8.6664	.24030	.03175	8.1373	18.657	.01151	1.2658
#1	-66.058	269.75	949.00	.00583	.00570	329.44	.00822
#2	-63.886	269.21	948.44	.00508	.00832	329.41	.00823
#3	-55.867	270.50	948.54	.00508	.00706	329.48	.00840
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76718**	**.21772**	**.00887**	**.36258**	**.67231**	F **64.166**
Stddev	.00380	.00076	.00086	.00153	.00170	.333
%RSD	.49533	.34979	9.6905	.42261	.25214	.51949
#1	.76847	.21808	.00925	.36146	.67180	64.526
#2	.77016	.21823	.00789	.36194	.67092	64.107
#3	.76290	.21684	.00947	.36432	.67420	63.867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64936.**	**66822.**
Stddev	119.	397.
%RSD	.18387	.59446
#1	64879.	66460.
#2	65073.	66758.
#3	64856.	67247.

Approved: April 01, 2011

Sample Name: L1103082614 Acquired: 4/1/2011 0:38:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**139.66**	**.10613**	**.09629**	**1.0629**	**.01454**	**41.849**
Stddev	.00018	.95	.00090	.00150	.0043	.00003	.189
%RSD	10.167	.67816	.84915	1.5550	.39978	.22174	.45214
#1	.00197	139.23	.10539	.09647	1.0581	.01450	41.636
#2	.00185	140.75	.10714	.09471	1.0646	.01457	41.916
#3	.00161	139.01	.10587	.09769	1.0661	.01454	41.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00404**	**.08586**	**.21627**	**.09308**	**239.01**	**7.0443**	**.05152**
Stddev	.00009	.00030	.00090	.00128	2.17	.0308	.00149
%RSD	2.2787	.35339	.41645	1.3774	.90587	.43702	2.8899
#1	.00403	.08572	.21541	.09245	239.52	7.0125	.05310
#2	.00396	.08620	.21621	.09455	236.63	7.0465	.05129
#3	.00414	.08565	.21721	.09223	240.87	7.0739	.05015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.773**	**2.4276**	**.01349**	**2.1359**	**.08217**	F **5178.4**	**.25017**
Stddev	.036	.0040	.00033	.0111	.00043	12.7	.00137
%RSD	.22590	.16700	2.4817	.52086	.51923	.24568	.54663
#1	15.766	2.4229	.01384	2.1236	.08168	5181.1	.25122
#2	15.741	2.4303	.01317	2.1388	.08248	5189.5	.24862
#3	15.811	2.4295	.01347	2.1453	.08235	5164.5	.25067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082614 Acquired: 4/1/2011 0:38:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.919**	F **97.138**	F **410.08**	**.00543**	**.00528**	F **333.47**	**.01010**
Stddev	7.228	.563	.83	.00175	.00220	1.17	.00019
%RSD	14.195	.57911	.20178	32.279	41.606	.34985	1.9108
#1	-47.293	96.860	409.93	.00554	.00340	333.07	.01009
#2	-59.242	97.786	410.97	.00712	.00770	334.79	.01030
#3	-46.222	96.769	409.34	.00362	.00475	332.56	.00991
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29189**	**.17991**	**.01192**	**.51101**	**.34852**	F **94.500**
Stddev	.00143	.00080	.00078	.00311	.00004	.290
%RSD	.49156	.44379	6.5230	.60893	.01244	.30712
#1	.29027	.17911	.01155	.51018	.34851	94.319
#2	.29243	.18071	.01281	.51445	.34849	94.835
#3	.29298	.17990	.01140	.50839	.34857	94.346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67333.**	**67972.**
Stddev	199.	390.
%RSD	.29503	.57304
#1	67453.	67600.
#2	67103.	68377.
#3	67441.	67938.

Approved: April 01, 2011

Sample Name: L1103082615 Acquired: 4/1/2011 0:41:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**114.40**	**.11116**	**.08217**	**1.3559**	**.00990**	**326.47**
Stddev	.00042	.56	.00093	.00091	.0057	.00002	4.94
%RSD	16.622	.48603	.83687	1.1126	.41716	.18039	1.5125
#1	.00271	113.77	.11017	.08128	1.3494	.00988	321.33
#2	.00279	114.62	.11202	.08311	1.3587	.00991	326.89
#3	.00203	114.82	.11130	.08211	1.3596	.00991	331.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.10755**	**.18115**	**.13930**	**192.19**	**8.3358**	**.09072**
Stddev	.00010	.00056	.00078	.00117	1.02	.0615	.00192
%RSD	2.2167	.51625	.42995	.83727	.53172	.73793	2.1122
#1	.00460	.10693	.18127	.13820	191.04	8.2830	.09036
#2	.00459	.10774	.18033	.13919	192.54	8.4033	.09279
#3	.00477	.10799	.18187	.14053	192.99	8.3211	.08900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.014**	**3.7429**	**.00718**	**1.1095**	**.13191**	F **9303.0**	**.21550**
Stddev	.161	.0149	.00014	.0114	.00111	55.4	.00047
%RSD	.80421	.39758	1.9745	1.0306	.84155	.59526	.21741
#1	19.842	3.7260	.00713	1.1008	.13069	9258.3	.21541
#2	20.038	3.7486	.00734	1.1225	.13220	9285.8	.21601
#3	20.161	3.7540	.00708	1.1054	.13285	9364.9	.21508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082615 Acquired: 4/1/2011 0:41:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.388**	F **392.80**	F **716.52**	**.00733**	**.00788**	F **342.19**	**.00869**
Stddev	4.268	.33	1.40	.00005	.00296	.73	.00007
%RSD	8.1470	.08518	.19514	.63111	37.486	.21403	.85830
#1	-57.212	392.53	718.06	.00738	.00972	342.36	.00868
#2	-50.849	393.17	716.18	.00729	.00946	342.82	.00877
#3	-49.103	392.69	715.33	.00731	.00447	341.39	.00862
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6059**	**.17740**	**.00833**	**.33527**	**.46840**	F **78.145**
Stddev	.0077	.00013	.00070	.00063	.00088	.115
%RSD	.47877	.07420	8.4213	.18688	.18803	.14717
#1	1.5974	.17727	.00765	.33593	.46742	78.096
#2	1.6125	.17741	.00828	.33468	.46863	78.063
#3	1.6076	.17753	.00905	.33520	.46913	78.277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63854.**	**66809.**
Stddev	50.	492.
%RSD	.07848	.73681
#1	63850.	67360.
#2	63807.	66656.
#3	63907.	66411.

Approved: April 01, 2011

Sample Name: L1103082616 Acquired: 4/1/2011 0:45:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**86.892**	**.09037**	**.08490**	**1.0920**	**.00806**	**132.67**
Stddev	.00011	.149	.00225	.00051	.0065	.00004	.81
%RSD	3.6935	.17135	2.4885	.60057	.59563	.51064	.60797
#1	.00289	86.811	.08828	.08449	1.0858	.00802	131.90
#2	.00294	87.064	.09008	.08547	1.0915	.00810	132.60
#3	.00310	86.801	.09275	.08474	1.0988	.00808	133.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00492**	**.10145**	**.15982**	**.11606**	**174.48**	**9.7799**	**.06572**
Stddev	.00007	.00064	.00102	.00190	1.06	.0735	.00027
%RSD	1.3276	.62616	.63539	1.6397	.60744	.75128	.40958
#1	.00495	.10118	.15868	.11489	173.49	9.7211	.06556
#2	.00485	.10099	.16062	.11503	174.36	9.7562	.06603
#3	.00497	.10217	.16017	.11825	175.60	9.8623	.06558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.131**	**6.5643**	**.00749**	**1.0047**	**.09619**	F **10855.**	**.22084**
Stddev	.057	.0166	.00017	.0119	.00026	102.	.00124
%RSD	.37858	.25333	2.3119	1.1832	.27227	.94339	.56041
#1	15.077	6.5514	.00759	.99098	.09611	10854.	.21947
#2	15.125	6.5585	.00729	1.0112	.09597	10754.	.22188
#3	15.191	6.5831	.00758	1.0119	.09648	10959.	.22116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082616 Acquired: 4/1/2011 0:45:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.379**	F **228.42**	F **784.03**	**.00500**	**.00940**	F **347.08**	**.00780**
Stddev	4.284	1.40	1.47	.00085	.00136	1.24	.00012
%RSD	7.7359	.61180	.18708	17.101	14.429	.35777	1.4851
#1	-57.853	226.92	782.36	.00505	.00789	346.67	.00768
#2	-50.432	228.65	784.60	.00412	.01052	346.10	.00780
#3	-57.851	229.69	785.12	.00583	.00979	348.48	.00792
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63597**	**.20177**	**.00901**	**.33486**	**.71099**	F **64.459**
Stddev	.00286	.00048	.00112	.00206	.00078	.597
%RSD	.44980	.23649	12.433	.61583	.10972	.92659
#1	.63320	.20135	.00839	.33258	.71010	63.982
#2	.63580	.20166	.00834	.33660	.71156	65.129
#3	.63891	.20229	.01031	.33539	.71130	64.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65697.**	**67336.**
Stddev	128.	44.
%RSD	.19558	.06511
#1	65844.	67358.
#2	65607.	67364.
#3	65640.	67285.

Approved: April 01, 2011

Sample Name: L1103082617 Acquired: 4/1/2011 0:48:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00305**	**94.641**	**.08591**	**.07353**	**.86350**	**.00796**	**26.729**
Stddev	.00024	.293	.00078	.00041	.00321	.00000	.165
%RSD	7.7653	.30938	.91299	.55451	.37184	.01644	.61559
#1	.00301	94.405	.08538	.07357	.86647	.00796	26.793
#2	.00283	94.969	.08681	.07392	.86393	.00796	26.852
#3	.00330	94.548	.08555	.07311	.86009	.00796	26.542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00601**	**.07283**	**.16710**	**.10597**	**165.88**	**7.1554**	**.06159**
Stddev	.00003	.00011	.00054	.00085	.63	.0403	.00141
%RSD	.54825	.15388	.32058	.80672	.37971	.56377	2.2855
#1	.00599	.07273	.16766	.10622	166.41	7.1751	.06134
#2	.00605	.07295	.16705	.10668	166.04	7.1822	.06311
#3	.00599	.07281	.16659	.10502	165.18	7.1090	.06033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.704**	**3.6622**	**.01026**	**.67904**	**.06532**	F **8383.5**	**.28930**
Stddev	.038	.0050	.00015	.00810	.00015	11.6	.00097
%RSD	.35478	.13551	1.4297	1.1926	.22597	.13779	.33672
#1	10.727	3.6650	.01039	.66997	.06527	8392.9	.29003
#2	10.724	3.6651	.01010	.68555	.06549	8370.6	.28819
#3	10.660	3.6564	.01030	.68161	.06520	8387.0	.28967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082617 Acquired: 4/1/2011 0:48:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.484**	F **117.51**	F **642.86**	**.00535**	**.00752**	F **265.67**	**.00850**
Stddev	5.728	.23	.07	.00096	.00030	1.82	.00006
%RSD	9.3169	.19600	.01021	17.851	3.9343	.68590	.74957
#1	-56.465	117.49	642.82	.00640	.00725	264.26	.00844
#2	-60.263	117.75	642.82	.00514	.00748	267.73	.00857
#3	-67.725	117.29	642.93	.00452	.00783	265.03	.00849
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19586**	**.26216**	**.00852**	**.38443**	**.56972**	F **73.763**
Stddev	.00083	.00077	.00103	.00112	.00055	.491
%RSD	.42421	.29515	12.109	.29006	.09677	.66541
#1	.19587	.26279	.00971	.38567	.56948	74.174
#2	.19669	.26129	.00795	.38412	.57035	73.895
#3	.19502	.26239	.00790	.38350	.56933	73.220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67098.**	**68071.**
Stddev	140.	348.
%RSD	.20902	.51141
#1	66981.	67822.
#2	67061.	67922.
#3	67253.	68468.

Approved: April 01, 2011

Sample Name: L1103082618 Acquired: 4/1/2011 0:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00265**	**112.17**	**.09236**	**.08916**	**1.1160**	**.00959**	**44.732**
Stddev	.00049	.79	.00022	.00167	.0047	.00007	.152
%RSD	18.667	.70571	.23523	1.8731	.41816	.69908	.33919
#1	.00320	111.34	.09228	.09102	1.1156	.00953	44.710
#2	.00226	112.25	.09219	.08865	1.1115	.00960	44.592
#3	.00247	112.91	.09260	.08780	1.1208	.00966	44.894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**.09561**	**.21871**	**.12770**	**210.09**	**10.272**	**.06755**
Stddev	.00006	.00031	.00077	.00040	1.12	.069	.00053
%RSD	1.2032	.32520	.35203	.31409	.53365	.67633	.77841
#1	.00493	.09526	.21785	.12730	211.39	10.251	.06795
#2	.00486	.09571	.21933	.12771	209.41	10.216	.06695
#3	.00481	.09585	.21896	.12810	209.48	10.350	.06773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.612**	**3.3399**	**.01043**	**.78480**	**.09084**	F **15767.**	**.27829**
Stddev	.074	.0055	.00023	.00223	.00023	17.	.00080
%RSD	.54451	.16408	2.1790	.28393	.25764	.10567	.28848
#1	13.558	3.3352	.01019	.78669	.09059	15786.	.27739
#2	13.582	3.3385	.01064	.78234	.09106	15754.	.27893
#3	13.697	3.3459	.01047	.78536	.09086	15762.	.27856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082618 Acquired: 4/1/2011 0:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.383**	F **189.16**	F **1027.4**	**.00626**	**.00912**	F **290.93**	**.00999**
Stddev	6.434	.41	1.0	.00054	.00177	.22	.00023
%RSD	11.617	.21917	.10068	8.5905	19.377	.07507	2.3423
#1	-61.710	189.23	1028.6	.00670	.00838	291.15	.01003
#2	-55.592	188.72	1027.0	.00642	.00785	290.91	.01021
#3	-48.847	189.54	1026.7	.00566	.01114	290.72	.00975
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27412**	**.23577**	**.00872**	**.39059**	**.58054**	F **82.303**
Stddev	.00017	.00025	.00085	.00252	.00058	.353
%RSD	.06184	.10402	9.7725	.64460	.10061	.42904
#1	.27424	.23549	.00857	.38824	.57987	81.947
#2	.27420	.23594	.00796	.39028	.58082	82.309
#3	.27393	.23588	.00964	.39325	.58093	82.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66372.**	**68009.**
Stddev	118.	551.
%RSD	.17713	.80993
#1	66384.	68175.
#2	66484.	68458.
#3	66250.	67394.

Approved: April 01, 2011

Sample Name: L1103082619 Acquired: 4/1/2011 0:55:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**116.28**	**.09239**	**.09762**	**1.2356**	**.01025**	**30.045**
Stddev	.00040	.64	.00163	.00334	.0004	.00002	.060
%RSD	14.758	.55009	1.7674	3.4222	.02830	.23472	.19884
#1	.00310	116.21	.09148	.09722	1.2354	.01024	29.978
#2	.00231	115.68	.09427	.09450	1.2355	.01023	30.065
#3	.00264	116.95	.09141	.10114	1.2360	.01027	30.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**.09196**	**.19466**	**.15328**	**251.51**	**4.5716**	**.07530**
Stddev	.00005	.00072	.00050	.00127	4.97	.0081	.00176
%RSD	1.1328	.78387	.25831	.82913	1.9760	.17813	2.3421
#1	.00396	.09126	.19410	.15191	251.75	4.5791	.07498
#2	.00403	.09193	.19508	.15351	246.43	4.5629	.07721
#3	.00405	.09270	.19480	.15443	256.36	4.5728	.07372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.767**	**2.9300**	**.01073**	**2.5375**	**.11008**	F **6561.1**	**.26352**
Stddev	.119	.0026	.00013	.0175	.00079	32.1	.00284
%RSD	.75624	.08838	1.1654	.69129	.71646	.48968	1.0788
#1	15.688	2.9274	.01072	2.5186	.10931	6524.0	.26028
#2	15.708	2.9299	.01086	2.5533	.11088	6579.7	.26559
#3	15.904	2.9326	.01061	2.5406	.11005	6579.6	.26469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082619 Acquired: 4/1/2011 0:55:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.048**	F **83.601**	F **393.98**	**.00532**	**.00786**	F **265.44**	**.00925**
Stddev	2.670	.323	2.66	.00119	.00268	1.92	.00039
%RSD	5.0330	.38640	.67430	22.395	34.099	.72372	4.2319
#1	-51.041	83.394	391.51	.00419	.00494	267.66	.00971
#2	-52.026	83.435	396.79	.00656	.01020	264.42	.00904
#3	-56.078	83.973	393.64	.00522	.00846	264.24	.00901
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24056**	**.21783**	**.01123**	**.40432**	**.50505**	F **91.440**
Stddev	.00031	.00088	.00068	.00049	.00068	.578
%RSD	.13094	.40540	6.0387	.12042	.13381	.63165
#1	.24020	.21682	.01200	.40465	.50455	90.780
#2	.24076	.21843	.01073	.40376	.50479	91.687
#3	.24072	.21824	.01095	.40456	.50582	91.852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66560.**	**67934.**
Stddev	122.	581.
%RSD	.18307	.85490
#1	66584.	68226.
#2	66668.	68311.
#3	66428.	67265.

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 0:59:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44194	10.701	.42297	.53449	.99470	.05223	9.7083
Stddev	.00251	.026	.00075	.00362	.00274	.00022	.0338
%RSD	.56713	.24135	.17626	.67711	.27517	.41851	.34849
#1	.44440	10.731	.42255	.53864	.99237	.05247	9.6740
#2	.44203	10.685	.42383	.53281	.99401	.05205	9.7416
#3	.43939	10.688	.42253	.53201	.99771	.05218	9.7092
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05391	.21433	.51183	.53034	3.9962	48.443	1.0021
Stddev	.00019	.00028	.00127	.00140	.0037	.122	.0011
%RSD	.34844	.13171	.24887	.26335	.09298	.25203	.10670
#1	.05370	.21402	.51318	.52901	3.9979	48.305	1.0017
#2	.05402	.21455	.51065	.53179	3.9920	48.538	1.0033
#3	.05402	.21443	.51165	.53023	3.9988	48.487	1.0012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.9643	.50144	F 1.1219	50.109	.51682	F 2.0557	.52317
Stddev	.0202	.00099	.0015	.216	.00071	1.7561	.00262
%RSD	.20272	.19663	.13659	.43083	.13698	85.426	.50170
#1	9.9410	.50063	1.1201	49.969	.51607	.04183	.52180
#2	9.9753	.50254	1.1229	50.357	.51748	2.8574	.52152
#3	9.9766	.50115	1.1226	49.999	.51689	3.2679	.52620
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 0:59:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.287**	**9.0515**	F **-.75954**	F **1.3407**	**.43329**	F **730.88**	F **1.1069**
Stddev	7.289	.0189	.05555	.0050	.00152	1.50	.0014
%RSD	51.017	.20903	7.3143	.37168	.35067	.20519	.12811
#1	-14.163	9.0633	-.70342	1.3349	.43171	729.15	1.1054
#2	-21.637	9.0616	-.76069	1.3434	.43341	731.72	1.1082
#3	-7.0611	9.0297	-.81451	1.3437	.43474	731.77	1.1072
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000		5.0000	1.0000
Range	-10.000%		-10.000%	10.000%		10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97975**	**1.0639**	**.53871**	**1.0913**	**1.0385**	**1.0420**
Stddev	.00419	.0028	.00188	.0058	.0009	.0440
%RSD	.42753	.26304	.34863	.53059	.08395	4.2268
#1	.97644	1.0614	.53659	1.0973	1.0385	1.0928
#2	.98446	1.0669	.54014	1.0908	1.0394	1.0173
#3	.97835	1.0634	.53941	1.0857	1.0377	1.0157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66599.**	**64227.**
Stddev	92.	435.
%RSD	.13788	.67685
#1	66700.	64576.
#2	66520.	64364.
#3	66578.	63740.

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 1:02:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01161**	**.00075**	**.00166**	**-.00008**	**-.00001**	**.00788**
Stddev	.00039	.00086	.00072	.00038	.00010	.00002	.00615
%RSD	207.50	7.4075	95.845	22.963	128.07	186.68	78.047
#1	-.00004	.01244	.00134	.00127	-.00012	-.00001	.00251
#2	.00011	.01072	-.00005	.00168	-.00015	.00001	.01459
#3	-.00064	.01167	.00098	.00204	.00004	-.00002	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00002**	**-.00031**	**.00001**	**.00076**	**.07292**	**.00128**
Stddev	.00008	.00004	.00032	.00027	.00126	.01561	.00057
%RSD	317.66	163.67	101.40	1855.8	165.00	21.408	44.436
#1	.00007	.00000	-.00032	.00011	.00189	.05744	.00171
#2	-.00009	.00000	.00001	.00023	-.00060	.07265	.00151
#3	-.00005	.00007	-.00063	-.00029	.00100	.08866	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**-.00066**	**.00002**	**.02158**	**.00012**	F **-3.1139**	**.00084**
Stddev	.00321	.00030	.00012	.01316	.00010	4.4073	.00044
%RSD	505.74	44.631	797.54	60.982	85.161	141.54	52.953
#1	.00235	-.00100	.00003	.02104	.00009	-7.6274	.00109
#2	-.00403	-.00045	.00013	.03500	.00003	1.1790	.00109
#3	-.00023	-.00054	-.00011	.00870	.00023	-2.8933	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 1:02:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-27.652**	F **-.03434**	F **-.26174**	**-.00215**	**.00000**	**-.15305**	**-.00002**
Stddev	10.758	.02912	.28138	.00103	.00190	.02553	.00016
%RSD	38.905	84.817	107.50	47.875	132050.	16.683	785.36
#1	-16.013	-.02767	.04538	-.00204	.00176	-.12383	-.00017
#2	-37.231	-.06621	-.32349	-.00118	-.00201	-.16425	-.00003
#3	-29.712	-.00912	-.50713	-.00322	.00025	-.17107	.00014
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00116**	**.00064**	**-.00020**	**-.00060**	**.06081**
Stddev	.00012	.00075	.00096	.00031	.00005	.04232
%RSD	269.79	64.713	150.18	155.36	8.0225	69.598
#1	-.00005	.00183	.00057	-.00054	-.00056	.08496
#2	-.00016	.00035	-.00028	.00005	-.00058	.08553
#3	.00008	.00128	.00163	-.00010	-.00065	.01194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68033.**	**65660.**
Stddev	38.	422.
%RSD	.05590	.64307
#1	68074.	65219.
#2	68027.	65699.
#3	67998.	66061.

Approved: April 01, 2011

Sample Name: PBS 9C Acquired: 4/1/2011 1:06:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00301**	**-.00156**	**-.00045**	**.00028**	**.00001**	**.01903**
Stddev	.00026	.00151	.00154	.00026	.00017	.00002	.00662
%RSD	176.38	50.089	98.722	57.729	61.855	286.54	34.801
#1	-.00045	.00349	-.00282	-.00044	.00014	.00002	.02591
#2	.00003	.00421	.00016	-.00072	.00047	.00002	.01270
#3	-.00002	.00132	-.00202	-.00020	.00022	-.00002	.01847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00033**	**.00083**	**.00021**	**.01448**	**.21953**	**.00110**
Stddev	.00005	.00011	.00005	.00011	.00209	.00894	.00100
%RSD	28.022	33.554	5.9427	51.172	14.453	4.0716	90.491
#1	.00011	-.00038	.00078	.00012	.01689	.22198	.00194
#2	.00017	-.00020	.00088	.00017	.01328	.22699	.00000
#3	.00020	-.00041	.00083	.00033	.01326	.20963	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00726**	**-.00047**	**.00020**	**.03473**	**.00098**	F **-21.767**	**.00230**
Stddev	.00588	.00029	.00008	.00897	.00010	3.674	.00061
%RSD	80.977	61.800	39.092	25.811	9.9188	16.879	26.414
#1	.01288	-.00019	.00028	.03584	.00088	-17.602	.00232
#2	.00773	-.00076	.00020	.04309	.00107	-23.153	.00168
#3	.00116	-.00045	.00012	.02527	.00100	-24.547	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: PBS 9C Acquired: 4/1/2011 1:06:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-34.689**	**3.8836**	F **26.673**	**-.00032**	**-.00045**	**1.2063**	**.00084**
Stddev	1.973	.0406	.060	.00054	.00128	.0917	.00023
%RSD	5.6877	1.0440	.22329	168.10	284.84	7.6037	26.859
#1	-33.334	3.9089	26.622	.00000	-.00014	1.1040	.00073
#2	-36.953	3.9051	26.739	-.00001	.00065	1.2335	.00110
#3	-33.780	3.8369	26.659	-.00095	-.00186	1.2813	.00070
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00218**	**-.00140**	**.00006**	**.00174**	F **-.08016**
Stddev	.00004	.00098	.00041	.00025	.00004	.11675
%RSD	205.91	44.798	28.940	430.40	2.5324	145.65
#1	-.00005	.00189	-.00093	.00030	.00171	.04274
#2	-.00003	.00138	-.00164	.00007	.00179	-.18960
#3	.00003	.00327	-.00163	-.00020	.00173	-.09362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67717.**	**65162.**
Stddev	201.	504.
%RSD	.29632	.77339
#1	67485.	65577.
#2	67840.	64601.
#3	67825.	65306.

Approved: April 01, 2011

Sample Name: LCSS 9C Acquired: 4/1/2011 1:09:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20351**	**.00252**	**.19584**	**-.00067**	**.00018**	**.00003**	**.00982**
Stddev	.00134	.00128	.00142	.00020	.00012	.00001	.00424
%RSD	.65787	50.740	.72511	28.998	66.404	34.863	43.143
#1	.20485	.00369	.19748	-.00047	.00030	.00002	.00519
#2	.20349	.00270	.19497	-.00087	.00017	.00002	.01350
#3	.20217	.00116	.19508	-.00068	.00006	.00004	.01077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02510**	**-.00038**	**.00093**	**.25990**	**.01141**	**.01035**	**.00040**
Stddev	.00004	.00004	.00023	.00068	.00183	.02344	.00140
%RSD	.15907	9.9014	24.253	.26139	16.075	226.40	352.82
#1	.02510	-.00039	.00072	.26035	.01350	.01794	-.00059
#2	.02507	-.00034	.00089	.25912	.01066	-.01594	-.00021
#3	.02515	-.00041	.00117	.26025	.01007	.02905	.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00816**	**.25769**	**.00013**	**.02423**	**.00062**	F **-20.058**	**.26456**
Stddev	.00944	.00089	.00015	.00706	.00035	1.586	.00094
%RSD	115.77	.34605	118.64	29.149	55.909	7.9088	.35657
#1	.00045	.25716	.00016	.01616	.00103	-18.249	.26349
#2	.00533	.25872	-.00004	.02727	.00043	-21.211	.26492
#3	.01869	.25719	.00026	.02927	.00042	-20.714	.26528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: LCSS 9C Acquired: 4/1/2011 1:09:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-30.343**	F **-.00813**	F **-.14864**	**.00060**	**.00186**	**1.0973**	**.00011**
Stddev	5.786	.02628	.15152	.00189	.00073	.1164	.00027
%RSD	19.070	323.32	101.93	316.71	39.441	10.603	247.01
#1	-36.705	.01913	-.31268	.00276	.00220	1.1603	-.00002
#2	-28.930	-.01021	-.11932	-.00070	.00102	1.1686	-.00008
#3	-25.394	-.03330	-.01393	-.00027	.00235	.96305	.00042
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00228**	**-.00176**	**-.00006**	**.00255**	F **-.08402**
Stddev	.0000	.00040	.00061	.00025	.00006	.07686
%RSD	1808.9	17.698	34.618	431.41	2.4979	91.481
#1	.00002	.00182	-.00228	.00023	.00249	-.17216
#2	-.00003	.00248	-.00192	-.00017	.00256	-.04898
#3	.00001	.00255	-.00109	-.00023	.00261	-.03092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67283.**	**64747.**
Stddev	332.	544.
%RSD	.49337	.83979
#1	66939.	64625.
#2	67310.	64275.
#3	67601.	65341.

Approved: April 01, 2011

Sample Name: L1103082620 Acquired: 4/1/2011 1:13:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**181.25**	**.12600**	**.13031**	**1.1216**	**.01104**	**37.190**
Stddev	.00033	1.81	.00175	.00250	.0039	.00004	.043
%RSD	9.5037	.99685	1.3882	1.9172	.34806	.34873	.11447
#1	.00375	180.61	.12764	.12992	1.1182	.01102	37.166
#2	.00359	183.29	.12416	.12803	1.1208	.01109	37.166
#3	.00311	179.85	.12620	.13298	1.1259	.01102	37.239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00494**	**.14022**	**.26998**	**.14324**	**297.67**	**14.548**	**.15391**
Stddev	.00008	.00052	.00060	.00081	3.76	.035	.00131
%RSD	1.6330	.37401	.22395	.56274	1.2642	.24250	.85336
#1	.00499	.14079	.26931	.14418	298.06	14.579	.15265
#2	.00497	.14012	.27015	.14279	293.73	14.555	.15379
#3	.00484	.13975	.27049	.14277	301.22	14.509	.15527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.150**	**5.1874**	**.01151**	**.85471**	**.14327**	F **11619.**	**.30008**
Stddev	.048	.0114	.00031	.00850	.00052	13.	.00068
%RSD	.25217	.22045	2.6585	.99450	.36352	.10800	.22689
#1	19.105	5.1778	.01137	.86041	.14380	11633.	.29993
#2	19.201	5.2001	.01130	.85878	.14276	11611.	.29948
#3	19.143	5.1844	.01186	.84494	.14324	11611.	.30082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082620 Acquired: 4/1/2011 1:13:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.425**	F **153.23**	F **816.14**	**.00629**	**.01032**	F **278.86**	**.01134**
Stddev	3.276	.44	.97	.00087	.00205	1.19	.00030
%RSD	5.0075	.28810	.11916	13.831	19.866	.42595	2.6624
#1	-66.214	153.70	817.24	.00712	.01264	277.68	.01116
#2	-61.826	153.16	815.78	.00538	.00957	278.83	.01116
#3	-68.234	152.83	815.40	.00636	.00875	280.06	.01169
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26173**	**.44028**	**.01132**	**.50300**	**.68044**	F **103.66**
Stddev	.00039	.00088	.00057	.00146	.00126	.51
%RSD	.15053	.19986	5.0761	.29112	.18513	.49038
#1	.26197	.43948	.01075	.50221	.68079	103.07
#2	.26193	.44014	.01190	.50469	.68149	103.98
#3	.26127	.44122	.01130	.50211	.67904	103.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65546.**	**68940.**
Stddev	68.	468.
%RSD	.10444	.67877
#1	65478.	68503.
#2	65547.	68881.
#3	65614.	69434.

Approved: April 01, 2011

Sample Name: L1103082620PS Acquired: 4/1/2011 1:16:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360515-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21629**	**165.16**	**.31151**	**1.0577**	**1.5001**	**.03543**	**38.316**
Stddev	.00140	.46	.00059	.0027	.0049	.00010	.174
%RSD	.64525	.28036	.18826	.25563	.32795	.27117	.45290
#1	.21783	165.46	.31091	1.0553	1.4967	.03552	38.137
#2	.21594	165.38	.31153	1.0572	1.5058	.03544	38.483
#3	.21511	164.62	.31208	1.0606	1.4979	.03533	38.328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02966**	**.22627**	**.48741**	**.37271**	**268.24**	**36.437**	**.62264**
Stddev	.00003	.00012	.00153	.00019	1.52	.065	.00158
%RSD	.10433	.05181	.31431	.05206	.56486	.17803	.25334
#1	.02967	.22630	.48849	.37264	267.03	36.363	.62111
#2	.02969	.22637	.48808	.37256	267.75	36.487	.62426
#3	.02963	.22614	.48566	.37293	269.94	36.461	.62255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.827**	**4.8895**	**.55954**	**25.094**	**.37185**	F **10484.**	**.50616**
Stddev	.056	.0081	.00068	.091	.00028	16.	.00261
%RSD	.25849	.16648	.12157	.36401	.07622	.15608	.51516
#1	21.772	4.8808	.55904	24.989	.37153	10491.	.50536
#2	21.885	4.8969	.56031	25.150	.37203	10496.	.50404
#3	21.823	4.8910	.55926	25.144	.37200	10465.	.50907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082620PS Acquired: 4/1/2011 1:16:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360515-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.661**	F **141.43**	F **737.40**	**.62344**	**.20673**	F **596.90**	**.01096**
Stddev	4.340	.17	1.04	.00178	.00109	.57	.00013
%RSD	7.1537	.11861	.14154	.28488	.52515	.09516	1.1587
#1	-65.664	141.29	736.91	.62294	.20741	596.59	.01111
#2	-58.395	141.61	738.59	.62197	.20730	597.55	.01090
#3	-57.923	141.38	736.68	.62542	.20547	596.55	.01089
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71643**	**.90760**	**.25078**	**.97845**	**1.0973**	F **93.319**
Stddev	.00238	.00202	.00280	.00092	.0007	.138
%RSD	.33173	.22216	1.1152	.09402	.06549	.14814
#1	.71382	.90566	.25181	.97772	1.0967	93.298
#2	.71846	.90968	.24761	.97948	1.0971	93.467
#3	.71703	.90745	.25291	.97815	1.0981	93.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65605.**	**68235.**
Stddev	75.	118.
%RSD	.11484	.17268
#1	65520.	68103.
#2	65628.	68274.
#3	65666.	68329.

Approved: April 01, 2011

Sample Name: L1103082620DL Acquired: 4/1/2011 1:20:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360515-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**41.673**	**.02718**	**.02654**	**.21816**	**.00210**	**7.3572**
Stddev	.00049	.385	.00078	.00058	.00049	.00000	.0245
%RSD	73.017	.92343	2.8825	2.1739	.22375	.21796	.33278
#1	.00097	42.117	.02776	.02720	.21867	.00211	7.3812
#2	.00092	41.443	.02629	.02623	.21770	.00210	7.3583
#3	.00011	41.459	.02749	.02618	.21812	.00210	7.3323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.02929**	**.05327**	**.02955**	**60.229**	**2.9693**	**.03188**
Stddev	.00004	.00009	.00035	.00040	.117	.0304	.00037
%RSD	4.1815	.31996	.66158	1.3442	.19368	1.0243	1.1564
#1	.00086	.02935	.05368	.02941	60.321	2.9951	.03194
#2	.00091	.02918	.05312	.03000	60.098	2.9358	.03222
#3	.00094	.02932	.05303	.02924	60.269	2.9772	.03149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9618**	**1.0403**	**.00194**	**.18054**	**.03004**	F **2492.1**	**.06479**
Stddev	.0147	.0011	.00020	.00368	.00032	12.2	.00013
%RSD	.37213	.10643	10.371	2.0391	1.0513	.48821	.20724
#1	3.9787	1.0413	.00172	.18408	.03016	2490.5	.06486
#2	3.9547	1.0391	.00211	.18082	.03028	2505.0	.06488
#3	3.9519	1.0405	.00200	.17673	.02968	2480.9	.06464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082620DL Acquired: 4/1/2011 1:20:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360515-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.631**	F **33.184**	F **174.65**	**-.00098**	**.00011**	**57.504**	**.00200**
Stddev	5.995	.130	.74	.00103	.00024	.252	.00003
%RSD	15.932	.39063	.42379	104.48	216.15	.43878	1.4772
#1	-41.832	33.039	173.80	.00008	-.00013	57.334	.00203
#2	-40.296	33.290	175.02	-.00106	.00035	57.794	.00198
#3	-30.765	33.222	175.14	-.00197	.00012	57.383	.00198
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05121**	**.08770**	**.00292**	**.09875**	**.14011**	**19.300**
Stddev	.00015	.00059	.00066	.00017	.00007	.189
%RSD	.29540	.66769	22.686	.16853	.04783	.97840
#1	.05137	.08744	.00351	.09864	.14007	19.277
#2	.05118	.08729	.00220	.09894	.14007	19.124
#3	.05107	.08837	.00304	.09867	.14019	19.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69926.**	**69698.**
Stddev	135.	435.
%RSD	.19334	.62394
#1	70039.	69921.
#2	69964.	69975.
#3	69776.	69197.

Approved: April 01, 2011

Sample Name: L1103082620DL Acquired: 4/1/2011 1:23:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360515-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**8.9923**	**.00788**	**.00498**	**.04430**	**.00041**	**1.4901**
Stddev	.00021	.0575	.00071	.00028	.00013	.00001	.0024
%RSD	78.334	.63920	9.0322	5.6211	.30145	2.0353	.16067
#1	.00021	8.9260	.00801	.00528	.04420	.00041	1.4890
#2	.00050	9.0262	.00712	.00493	.04424	.00040	1.4885
#3	.00009	9.0248	.00852	.00473	.04445	.00042	1.4928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00638**	**.01085**	**.00635**	**12.236**	**.62320**	**.00882**
Stddev	.00007	.00007	.00019	.00034	.056	.00929	.00088
%RSD	324.01	1.0772	1.7138	5.4275	.45910	1.4900	9.9871
#1	.00005	.00630	.01066	.00595	12.176	.62304	.00782
#2	-.00009	.00640	.01103	.00649	12.245	.61400	.00918
#3	-.00003	.00643	.01086	.00659	12.288	.63257	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81822**	**.21650**	**.00011**	**.05160**	**.00641**	**533.98**	**.01476**
Stddev	.00728	.00140	.00010	.00694	.00057	1.50	.00039
%RSD	.89025	.64741	93.632	13.458	8.9252	.28126	2.6607
#1	.81506	.21489	-.00001	.05282	.00588	532.44	.01454
#2	.81305	.21742	.00016	.05785	.00702	535.44	.01453
#3	.82655	.21719	.00017	.04413	.00633	534.06	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 01, 2011

Sample Name: L1103082620DL Acquired: 4/1/2011 1:23:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360515-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-31.682**	**7.1828**	F **37.061**	**-.00294**	**.00153**	**11.478**	**-.00012**
Stddev	1.176	.0796	.301	.00058	.00109	.041	.00018
%RSD	3.7132	1.1076	.81180	19.725	71.105	.35623	152.04
#1	-32.235	7.1203	36.932	-.00237	.00178	11.461	.00009
#2	-30.331	7.1557	36.847	-.00292	.00247	11.449	-.00019
#3	-32.479	7.2724	37.405	-.00353	.00034	11.525	-.00026
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01047**	**.01866**	**.00191**	**.02002**	**.03040**	**3.0138**
Stddev	.00005	.00074	.00125	.00029	.00020	.0419
%RSD	.50519	3.9710	65.640	1.4541	.66134	1.3898
#1	.01048	.01831	.00218	.01978	.03019	2.9965
#2	.01052	.01951	.00054	.01993	.03059	2.9833
#3	.01042	.01817	.00301	.02034	.03043	3.0616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**70174.**	**68289.**
Stddev	144.	153.
%RSD	.20547	.22332
#1	70340.	68399.
#2	70096.	68352.
#3	70086.	68115.

Approved: April 01, 2011

Sample Name: L1103082621 Acquired: 4/1/2011 1:27:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00417**	**187.67**	**.13876**	**.13656**	**1.1378**	**.01289**	**30.408**
Stddev	.00025	.66	.00050	.00720	.0008	.00007	.048
%RSD	6.0753	.35320	.36331	5.2722	.06593	.55197	.15669
#1	.00422	187.20	.13845	.13704	1.1370	.01290	30.354
#2	.00439	188.43	.13934	.14350	1.1380	.01281	30.426
#3	.00389	187.38	.13849	.12913	1.1385	.01296	30.444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00550**	**.15834**	**.31259**	**.13418**	**336.62**	**9.5962**	**.14132**
Stddev	.00016	.00027	.00198	.00058	9.19	.0373	.00083
%RSD	2.9448	.16825	.63374	.43028	2.7305	.38869	.58801
#1	.00550	.15856	.31101	.13396	337.08	9.5534	.14203
#2	.00567	.15842	.31195	.13374	345.58	9.6136	.14152
#3	.00534	.15804	.31481	.13483	327.21	9.6216	.14041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.645**	**5.9395**	**.01445**	**2.5448**	**.12817**	F **7879.2**	**.37847**
Stddev	.096	.0082	.00006	.0081	.00094	6.1	.00090
%RSD	.51409	.13852	.43569	.31749	.73347	.07800	.23816
#1	18.539	5.9310	.01442	2.5512	.12925	7873.5	.37760
#2	18.726	5.9474	.01453	2.5474	.12759	7878.4	.37842
#3	18.669	5.9402	.01442	2.5357	.12767	7885.7	.37940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082621 Acquired: 4/1/2011 1:27:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.041**	F **83.285**	F **383.23**	**.00732**	**.00845**	F **306.40**	**.01215**
Stddev	2.577	.105	.36	.00089	.00052	.58	.00034
%RSD	3.5767	.12594	.09478	12.144	6.1180	.18775	2.8052
#1	-69.544	83.389	383.65	.00631	.00785	306.82	.01248
#2	-74.691	83.286	383.00	.00768	.00879	306.64	.01180
#3	-71.888	83.180	383.04	.00797	.00871	305.75	.01217
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24536**	**.37020**	**.01627**	**.62137**	**.61331**	F **137.44**
Stddev	.00012	.00135	.00121	.00276	.00059	.85
%RSD	.05016	.36441	7.4605	.44371	.09692	.62096
#1	.24539	.36865	.01764	.62130	.61328	136.65
#2	.24546	.37088	.01534	.61865	.61274	137.32
#3	.24522	.37108	.01583	.62416	.61392	138.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65705.**	**69328.**
Stddev	38.	505.
%RSD	.05829	.72772
#1	65675.	69425.
#2	65692.	68782.
#3	65748.	69777.

Approved: April 01, 2011

Sample Name: L1103082622 Acquired: 4/1/2011 1:30:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**157.20**	**.09397**	**.11367**	**1.3621**	**.00976**	**67.603**
Stddev	.00021	2.54	.00087	.00078	.0027	.00003	.268
%RSD	6.7307	1.6142	.92365	.68224	.19606	.25800	.39575
#1	.00296	155.03	.09345	.11428	1.3620	.00978	67.418
#2	.00321	156.58	.09348	.11280	1.3594	.00976	67.480
#3	.00339	159.99	.09497	.11394	1.3648	.00973	67.909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.09344**	**.22176**	**.15553**	**206.56**	**19.050**	**.12834**
Stddev	.00001	.00047	.00069	.00174	.58	.084	.00060
%RSD	.15240	.49917	.31073	1.1177	.27981	.44333	.46771
#1	.00573	.09308	.22241	.15353	207.12	18.981	.12802
#2	.00573	.09328	.22183	.15638	205.97	19.025	.12796
#3	.00571	.09397	.22104	.15668	206.61	19.144	.12903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.469**	**4.8871**	**.00997**	**.83319**	**.12575**	F **23082.**	**.27144**
Stddev	.113	.0128	.00015	.00256	.00071	18.	.00140
%RSD	.61387	.26137	1.4783	.30699	.56614	.07661	.51663
#1	18.348	4.8748	.00980	.83490	.12537	23102.	.27056
#2	18.487	4.8863	.01004	.83442	.12532	23074.	.27070
#3	18.572	4.9003	.01007	.83025	.12658	23069.	.27305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082622 Acquired: 4/1/2011 1:30:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-73.295**	F **291.43**	F **1591.8**	**.00583**	**.00933**	F **389.82**	**.01194**
Stddev	7.859	.76	1.5	.00168	.00158	.54	.00044
%RSD	10.722	.26112	.09350	28.854	16.969	.13755	3.7080
#1	-80.815	290.60	1590.2	.00404	.01116	390.41	.01243
#2	-65.137	292.09	1592.2	.00606	.00831	389.35	.01182
#3	-73.933	291.60	1593.1	.00738	.00853	389.70	.01157
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45863**	**.35773**	**.00949**	**.40368**	**.84282**	F **88.242**
Stddev	.00110	.00080	.00030	.00034	.00128	.400
%RSD	.23950	.22423	3.1578	.08327	.15244	.45313
#1	.45779	.35681	.00914	.40330	.84352	87.781
#2	.45824	.35808	.00970	.40394	.84360	88.465
#3	.45988	.35830	.00961	.40379	.84134	88.481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65829.**	**69058.**
Stddev	87.	435.
%RSD	.13164	.63032
#1	65756.	69439.
#2	65805.	69152.
#3	65925.	68584.

Approved: April 01, 2011

Sample Name: L1103082623 Acquired: 4/1/2011 1:34:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**136.94**	**.08273**	**.07871**	**1.3539**	**.00958**	**29.817**
Stddev	.00031	.28	.00213	.00174	.0019	.00003	.069
%RSD	9.7483	.20174	2.5714	2.2135	.13870	.26748	.23050
#1	.00285	136.69	.08317	.07894	1.3552	.00960	29.896
#2	.00347	137.24	.08041	.07687	1.3518	.00960	29.774
#3	.00324	136.90	.08459	.08033	1.3548	.00955	29.781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.10414**	**.21137**	**.12311**	**177.48**	**11.947**	**.10556**
Stddev	.00006	.00093	.00095	.00115	.32	.014	.00002
%RSD	.99603	.88899	.44832	.93784	.17874	.11981	.01662
#1	.00566	.10473	.21239	.12443	177.56	11.931	.10556
#2	.00575	.10307	.21120	.12227	177.13	11.955	.10554
#3	.00577	.10461	.21052	.12263	177.74	11.955	.10558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.007**	**7.9799**	**.00989**	**.81995**	**.09184**	F **8920.9**	**.27627**
Stddev	.035	.0057	.00016	.01133	.00053	67.3	.00207
%RSD	.26914	.07193	1.6277	1.3818	.57985	.75466	.74796
#1	12.975	7.9736	.00971	.81877	.09244	8992.2	.27865
#2	13.003	7.9812	.01001	.83182	.09145	8858.5	.27501
#3	13.044	7.9848	.00995	.80926	.09162	8911.9	.27514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082623 Acquired: 4/1/2011 1:34:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.710**	F **92.300**	F **460.12**	**.00522**	**.00933**	F **359.98**	**.01160**
Stddev	5.868	.652	3.37	.00045	.00195	1.55	.00008
%RSD	8.4178	.70641	.73165	8.6449	20.875	.43098	.65539
#1	-63.538	93.025	461.74	.00472	.01070	361.70	.01157
#2	-75.217	92.112	456.25	.00532	.01019	358.69	.01154
#3	-70.376	91.762	462.37	.00561	.00710	359.54	.01168
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24225**	**.35959**	**.00924**	**.40014**	**.62372**	F **88.264**
Stddev	.00066	.00088	.00139	.00096	.00127	.375
%RSD	.27419	.24594	15.039	.23875	.20398	.42460
#1	.24278	.36060	.00800	.40110	.62511	88.642
#2	.24247	.35893	.01074	.39919	.62342	87.892
#3	.24151	.35925	.00897	.40015	.62262	88.259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67024.**	**68671.**
Stddev	264.	159.
%RSD	.39434	.23114
#1	66732.	68490.
#2	67091.	68735.
#3	67248.	68788.

Approved: April 01, 2011

Sample Name: L1103082624 Acquired: 4/1/2011 1:37:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**140.48**	**.08979**	**.09986**	**1.1648**	**.00954**	**170.09**
Stddev	.00063	.99	.00218	.00056	.0026	.00003	.17
%RSD	19.030	.70643	2.4324	.55847	.22272	.33372	.09826
#1	.00406	139.90	.08729	.09985	1.1677	.00952	170.26
#2	.00302	141.62	.09081	.09931	1.1629	.00953	169.92
#3	.00291	139.90	.09129	.10043	1.1637	.00958	170.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**.10837**	**.23224**	**.13561**	**207.30**	**13.212**	**.10834**
Stddev	.00004	.00088	.00047	.00137	.56	.044	.00064
%RSD	.74536	.81468	.20039	1.0088	.26877	.33439	.58681
#1	.00547	.10736	.23191	.13410	207.17	13.162	.10907
#2	.00546	.10877	.23203	.13676	206.82	13.246	.10802
#3	.00554	.10899	.23277	.13598	207.91	13.228	.10792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.630**	**4.7340**	**.01099**	**.62146**	**.10299**	F **17621.**	**.27536**
Stddev	.120	.0123	.00020	.00146	.00088	10.	.00200
%RSD	.68110	.26012	1.8615	.23474	.85143	.05735	.72492
#1	17.548	4.7208	.01098	.62242	.10269	17625.	.27388
#2	17.575	4.7362	.01079	.61978	.10398	17629.	.27457
#3	17.768	4.7451	.01120	.62219	.10230	17610.	.27763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082624 Acquired: 4/1/2011 1:37:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.154**	F **335.28**	F **1272.0**	**.00698**	**.00646**	F **361.89**	**.01052**
Stddev	9.679	.71	1.1	.00067	.00099	.22	.00034
%RSD	15.828	.21116	.08477	9.6344	15.365	.06121	3.1959
#1	-71.737	334.51	1272.8	.00630	.00542	361.98	.01030
#2	-58.973	335.41	1270.8	.00764	.00656	361.64	.01091
#3	-52.750	335.91	1272.6	.00701	.00739	362.05	.01036
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86570**	**.32807**	**.00909**	**.40926**	**.70386**	F **88.615**
Stddev	.00174	.00073	.00138	.00161	.00120	.230
%RSD	.20070	.22173	15.177	.39281	.17090	.25902
#1	.86663	.32891	.01037	.40741	.70264	88.828
#2	.86677	.32766	.00763	.41005	.70505	88.372
#3	.86369	.32764	.00927	.41032	.70388	88.645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64382.**	**67616.**
Stddev	130.	555.
%RSD	.20176	.82055
#1	64522.	68020.
#2	64265.	67845.
#3	64361.	66984.

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 1:41:19 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .45084	10.775	.42605	.54018	.99156	.05295	9.6198
Stddev	.00142	.062	.00101	.00332	.00173	.00021	.0330
%RSD	.31488	.57475	.23673	.61535	.17481	.40574	.34293
#1	.45015	10.764	.42609	.54066	.99355	.05296	9.6574
#2	.45248	10.842	.42502	.54324	.99044	.05317	9.5957
#3	.44991	10.720	.42704	.53664	.99068	.05274	9.6063
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05414	.21533	.51638	.53265	3.9737	48.043	1.0006
Stddev	.00005	.00037	.00263	.00112	.0114	.140	.0008
%RSD	.09710	.17100	.51022	.21092	.28773	.29037	.07556
#1	.05409	.21519	.51638	.53149	3.9863	48.198	1.0012
#2	.05414	.21505	.51901	.53273	3.9708	47.926	.99978
#3	.05420	.21575	.51374	.53373	3.9640	48.006	1.0009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8259	.50068	F 1.1314	49.855	.52014	F 1.9076	.52457
Stddev	.0307	.00093	.0003	.127	.00089	6.4914	.00317
%RSD	.31273	.18519	.02467	.25560	.17205	340.29	.60474
#1	9.8613	.49984	1.1311	49.980	.51964	.44740	.52781
#2	9.8077	.50167	1.1314	49.725	.51962	-3.7293	.52147
#3	9.8085	.50054	1.1316	49.861	.52118	9.0047	.52442
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 1:41:19 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-26.269**	**9.1293**	F **-.38451**	F **1.3484**	**.43654**	F **736.13**	F **1.1102**
Stddev	4.316	.0128	.06375	.0039	.00117	.65	.0019
%RSD	16.430	.14043	16.578	.29226	.26865	.08823	.16647
#1	-22.522	9.1367	-.45136	1.3479	.43524	735.49	1.1081
#2	-25.297	9.1145	-.32441	1.3448	.43689	736.10	1.1114
#3	-30.988	9.1367	-.37777	1.3526	.43750	736.79	1.1111
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000		5.0000	1.0000
Range	-10.000%		-10.000%	10.000%		10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97905**	**1.0627**	**.53971**	F **1.1064**	**1.0397**	**.97033**
Stddev	.00191	.0013	.00200	.0041	.0013	.04277
%RSD	.19512	.11828	.36976	.37355	.12574	4.4082
#1	.98100	1.0641	.53806	1.1073	1.0385	1.0143
#2	.97719	1.0616	.53915	1.1100	1.0411	.96781
#3	.97898	1.0623	.54193	1.1019	1.0394	.92887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				1.0000		
Range				10.000%		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66403.**	**66090.**
Stddev	205.	213.
%RSD	.30925	.32252
#1	66638.	65846.
#2	66255.	66184.
#3	66318.	66240.

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 1:44:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.01714**	**.00066**	**.00143**	**-.00024**	**.00000**	**.00671**
Stddev	.00037	.00035	.00060	.00058	.00012	.0000	.00584
%RSD	326.15	2.0474	90.190	40.448	50.818	20738.	87.081
#1	-.00032	.01679	.00004	.00189	-.00032	.00002	.01167
#2	.00031	.01749	.00123	.00078	-.00030	-.00002	.00820
#3	-.00033	.01715	.00072	.00162	-.00010	.00000	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00011**	**.00010**	**.00032**	**.00495**	**.06544**	**.00207**
Stddev	.00003	.00008	.00015	.00019	.00197	.01042	.00065
%RSD	220.63	68.075	152.87	58.280	39.796	15.922	31.499
#1	-.00003	-.00008	.00024	.00050	.00510	.07684	.00270
#2	-.00004	-.00020	.00009	.00013	.00291	.05642	.00140
#3	.00002	-.00006	-.00005	.00033	.00685	.06305	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**-.00062**	**.00007**	**.02291**	**.00039**	F **-6.5552**	**.00120**
Stddev	.00410	.00043	.00003	.00986	.00029	3.4580	.00041
%RSD	546.41	69.140	45.340	43.032	73.691	52.752	33.861
#1	.00165	-.00104	.00004	.02146	.00019	-9.6325	.00074
#2	.00159	-.00018	.00009	.03342	.00072	-2.8131	.00153
#3	-.00549	-.00064	.00009	.01386	.00027	-7.2201	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 1:44:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-29.595**	F **-.06233**	F **-.61888**	**-.00069**	**-.00010**	**-.01422**	**-.00013**
Stddev	3.611	.02545	.25152	.00017	.00061	.05963	.00012
%RSD	12.203	40.823	40.642	24.418	633.17	419.45	92.453
#1	-26.768	-.06345	-.38897	-.00069	.00040	-.08181	-.00022
#2	-28.354	-.03635	-.58014	-.00086	-.00078	.03096	-.00018
#3	-33.664	-.08720	-.88753	-.00053	.00010	.00819	.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00176**	**.00018**	**-.00001**	**-.00057**	**.06232**
Stddev	.00004	.00062	.00098	.00016	.00004	.05063
%RSD	2149.3	35.344	557.36	2814.5	7.7400	81.249
#1	.00001	.00113	-.00082	-.00011	-.00057	.01344
#2	-.00005	.00178	.00114	.00017	-.00053	.11454
#3	.00004	.00237	.00020	-.00008	-.00062	.05898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67779.**	**65761.**
Stddev	142.	511.
%RSD	.20975	.77700
#1	67770.	65832.
#2	67641.	66233.
#3	67925.	65219.

Approved: April 01, 2011

Sample Name: L1103082625 Acquired: 4/1/2011 1:48:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**147.01**	**.11557**	**.11195**	**1.0371**	**.01148**	**28.685**
Stddev	.00055	1.05	.00061	.00654	.0018	.00022	.099
%RSD	14.530	.71695	.52851	5.8383	.17663	1.9172	.34502
#1	.00344	147.95	.11591	.10855	1.0391	.01171	28.679
#2	.00441	147.22	.11486	.11949	1.0356	.01127	28.787
#3	.00349	145.87	.11594	.10782	1.0367	.01146	28.589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**.10795**	**.39912**	**.11209**	**272.12**	**7.8649**	**.09925**
Stddev	.00007	.00048	.00596	.00133	4.45	.0333	.00041
%RSD	1.4374	.44520	1.4931	1.1849	1.6351	.42363	.41799
#1	.00462	.10758	.40529	.11097	271.86	7.8479	.09887
#2	.00468	.10777	.39340	.11173	276.69	7.9033	.09918
#3	.00455	.10849	.39866	.11356	267.80	7.8436	.09969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.503**	**4.4591**	**.01287**	**.66623**	**.08473**	F **7878.5**	**.29452**
Stddev	.058	.0128	.00011	.00420	.00066	12.2	.00120
%RSD	.46729	.28691	.84992	.62987	.77934	.15496	.40839
#1	12.513	4.4600	.01294	.66690	.08533	7884.4	.29532
#2	12.556	4.4714	.01274	.66174	.08402	7864.5	.29511
#3	12.440	4.4459	.01292	.67005	.08483	7886.6	.29314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082625 Acquired: 4/1/2011 1:48:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-67.840**	F **85.570**	F **413.97**	**.00694**	**.00648**	F **337.95**	**.01083**
Stddev	12.106	.297	.58	.00070	.00186	.33	.00009
%RSD	17.844	.34669	.14055	10.024	28.710	.09831	.80346
#1	-56.429	85.505	414.53	.00693	.00776	337.65	.01073
#2	-66.554	85.312	413.37	.00624	.00435	338.31	.01089
#3	-80.538	85.894	414.00	.00763	.00733	337.89	.01088
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21611**	**.31572**	**.01478**	**.55926**	**.45052**	F **101.72**
Stddev	.00091	.00081	.00145	.00780	.00073	1.21
%RSD	.42257	.25547	9.8355	1.3951	.16201	1.1867
#1	.21571	.31665	.01636	.56688	.45076	103.09
#2	.21715	.31527	.01350	.55129	.44971	100.84
#3	.21547	.31523	.01448	.55962	.45110	101.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65972.**	**69400.**
Stddev	109.	578.
%RSD	.16461	.83278
#1	65848.	69141.
#2	66048.	68998.
#3	66022.	70063.

Approved: April 01, 2011

Sample Name: L1103082626 Acquired: 4/1/2011 1:51:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**123.18**	**.10396**	**.08567**	**1.1890**	**.00844**	**41.598**
Stddev	.00101	.85	.00109	.00099	.0018	.00004	.060
%RSD	30.750	.68642	1.0489	1.1595	.15248	.46237	.14542
#1	.00214	123.12	.10305	.08458	1.1902	.00842	41.546
#2	.00360	122.36	.10368	.08593	1.1899	.00843	41.584
#3	.00407	124.05	.10517	.08651	1.1869	.00849	41.664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**.08053**	**.20249**	**.13646**	**174.88**	**10.969**	**.09552**
Stddev	.00004	.00043	.00173	.00126	.12	.010	.00182
%RSD	.60002	.53830	.85455	.92628	.07033	.09141	1.9014
#1	.00599	.08028	.20146	.13526	175.01	10.974	.09661
#2	.00593	.08029	.20151	.13634	174.89	10.958	.09342
#3	.00599	.08103	.20448	.13778	174.76	10.977	.09652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.560**	**4.8249**	**.00852**	**.61403**	**.09161**	F **13857.**	**.31440**
Stddev	.042	.0101	.00014	.00229	.00072	38.	.00137
%RSD	.31116	.21001	1.6971	.37231	.78657	.27433	.43612
#1	13.523	4.8191	.00835	.61612	.09087	13854.	.31285
#2	13.551	4.8190	.00862	.61438	.09167	13821.	.31548
#3	13.606	4.8366	.00859	.61159	.09230	13896.	.31485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082626 Acquired: 4/1/2011 1:51:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-71.211**	F **163.23**	F **864.96**	**.00555**	**.00659**	F **342.38**	**.01419**
Stddev	.377	1.04	.87	.00135	.00075	1.02	.00032
%RSD	.53005	.63987	.10085	24.328	11.461	.29702	2.2281
#1	-71.617	163.03	865.25	.00542	.00574	341.90	.01421
#2	-71.145	162.31	863.98	.00426	.00681	341.70	.01387
#3	-70.871	164.37	865.65	.00695	.00720	343.55	.01450
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26953**	**.32932**	**.00898**	**.36359**	**.82165**	F **76.370**
Stddev	.00090	.00014	.00116	.00084	.00133	.353
%RSD	.33224	.04329	12.888	.23215	.16217	.46172
#1	.26865	.32948	.00822	.36435	.82065	75.968
#2	.26952	.32922	.00842	.36268	.82114	76.517
#3	.27044	.32926	.01031	.36374	.82317	76.625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66354.**	**69693.**
Stddev	184.	213.
%RSD	.27790	.30533
#1	66379.	69500.
#2	66524.	69921.
#3	66158.	69659.

Approved: April 01, 2011

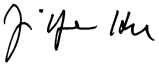
Sample Name: L1103082627 Acquired: 4/1/2011 1:55:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**146.65**	**.11279**	**.10019**	**1.3111**	**.01001**	**34.041**
Stddev	.00016	1.30	.00158	.00083	.0071	.00003	.108
%RSD	5.0845	.88448	1.4032	.83223	.54132	.33685	.31752
#1	.00315	145.16	.11370	.10104	1.3177	.00997	34.165
#2	.00320	147.51	.11370	.09938	1.3120	.01003	33.990
#3	.00290	147.28	.11096	.10015	1.3036	.01003	33.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00675**	**.10388**	**.24875**	**.15282**	**219.84**	**12.739**	**.11685**
Stddev	.00007	.00062	.00169	.00205	1.34	.037	.00102
%RSD	1.0300	.59802	.67742	1.3429	.60919	.28667	.87549
#1	.00668	.10320	.24711	.15047	221.34	12.773	.11570
#2	.00682	.10442	.24864	.15371	218.75	12.745	.11765
#3	.00674	.10401	.25048	.15427	219.44	12.701	.11721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.946**	**6.0405**	**.01049**	**.75863**	**.10514**	F **10455.**	**.35035**
Stddev	.053	.0139	.00016	.00707	.00008	27.	.00164
%RSD	.35304	.22957	1.5411	.93155	.07521	.26228	.46683
#1	14.952	6.0398	.01052	.76202	.10524	10427.	.35036
#2	14.890	6.0270	.01032	.75051	.10511	10456.	.35198
#3	14.995	6.0547	.01064	.76337	.10509	10482.	.34870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: L1103082627 Acquired: 4/1/2011 1:55:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.605**	F **111.28**	F **558.31**	**.00696**	**.00635**	F **342.13**	**.01371**
Stddev	6.374	1.12	1.50	.00113	.00135	1.80	.00058
%RSD	9.1576	1.0039	.26926	16.234	21.314	.52519	4.2054
#1	-64.972	110.15	558.58	.00800	.00595	340.11	.01383
#2	-76.875	111.31	559.67	.00576	.00524	342.76	.01422
#3	-66.968	112.38	556.70	.00711	.00786	343.54	.01309
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26073**	**.36114**	**.01066**	**.43977**	**.86280**	F **94.896**
Stddev	.00050	.00084	.00110	.00205	.00224	.819
%RSD	.19364	.23306	10.302	.46614	.25980	.86275
#1	.26113	.36054	.01018	.43752	.86055	93.969
#2	.26016	.36210	.01192	.44024	.86282	95.198
#3	.26089	.36078	.00989	.44154	.86504	95.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66019.**	**69223.**
Stddev	244.	358.
%RSD	.36969	.51653
#1	66263.	68817.
#2	66018.	69490.
#3	65775.	69361.

Approved: April 01, 2011

Sample Name: L1103082628 Acquired: 4/1/2011 1:58:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**174.17**	**.10981**	**.11093**	**1.5301**	**.01130**	**48.321**
Stddev	.00018	.80	.00126	.00178	.0066	.00002	.185
%RSD	8.5848	.46207	1.1440	1.6044	.43118	.20399	.38356
#1	.00190	173.92	.10843	.10904	1.5225	.01127	48.128
#2	.00202	173.53	.11012	.11117	1.5346	.01131	48.337
#3	.00225	175.07	.11088	.11258	1.5332	.01131	48.498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00550**	**.12932**	**.24096**	**.16408**	**244.58**	**16.018**	**.13886**
Stddev	.00007	.00035	.00119	.00128	3.05	.036	.00191
%RSD	1.2020	.26746	.49531	.77737	1.2460	.22417	1.3754
#1	.00542	.12937	.24016	.16420	241.31	15.977	.13712
#2	.00554	.12895	.24040	.16275	245.09	16.038	.14090
#3	.00553	.12963	.24233	.16530	247.34	16.040	.13857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.415**	**5.1462**	**.01047**	**.71594**	**.13789**	F **17190.**	**.46740**
Stddev	.073	.0038	.00019	.00454	.00069	8.	.00255
%RSD	.39609	.07375	1.8447	.63460	.50103	.04463	.54559
#1	18.362	5.1423	.01030	.71279	.13856	17182.	.46894
#2	18.385	5.1463	.01041	.72114	.13718	17192.	.46446
#3	18.498	5.1499	.01068	.71388	.13795	17197.	.46880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082628 Acquired: 4/1/2011 1:58:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-73.848**	F **186.22**	F **970.38**	**.00596**	**.00837**	F **315.12**	**.01389**
Stddev	9.013	.46	.43	.00057	.00098	.47	.00042
%RSD	12.205	.24774	.04476	9.5487	11.711	.14896	3.0479
#1	-78.894	186.37	970.66	.00561	.00728	315.50	.01367
#2	-79.209	185.71	969.88	.00662	.00866	314.59	.01361
#3	-63.442	186.59	970.59	.00565	.00918	315.26	.01437
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31974**	**.28729**	**.00962**	**.43053**	**1.0297**	F **99.439**
Stddev	.00063	.00030	.00081	.00109	.0026	.473
%RSD	.19821	.10348	8.4483	.25290	.25120	.47616
#1	.31901	.28758	.00997	.42928	1.0278	98.977
#2	.32017	.28698	.00869	.43098	1.0286	99.417
#3	.32003	.28730	.01021	.43131	1.0327	99.923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65678.**	**70162.**
Stddev	62.	565.
%RSD	.09512	.80542
#1	65732.	69994.
#2	65693.	70792.
#3	65610.	69700.

Approved: April 01, 2011

Sample Name: L1103082629 Acquired: 4/1/2011 2:02:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06459**	**140.44**	**.11034**	**.11539**	**1.5115**	**.01065**	**33.912**
Stddev	.00016	1.28	.00258	.00188	.0038	.00004	.140
%RSD	.24091	.91469	2.3418	1.6305	.25141	.33786	.41383
#1	.06445	138.98	.10779	.11584	1.5101	.01062	33.750
#2	.06476	140.93	.11296	.11333	1.5158	.01064	34.003
#3	.06455	141.40	.11028	.11701	1.5086	.01069	33.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**.10010**	**.26451**	**.14378**	**263.89**	**10.907**	**.10167**
Stddev	.00002	.00072	.00129	.00226	2.11	.053	.00006
%RSD	.23240	.72333	.48837	1.5750	.79860	.48486	.06086
#1	.00714	.09962	.26304	.14285	262.76	10.852	.10163
#2	.00711	.10094	.26546	.14636	262.59	10.958	.10163
#3	.00713	.09975	.26502	.14212	266.32	10.912	.10174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.544**	**6.0082**	**.01138**	**.71992**	**.09753**	F **11090.**	**.76722**
Stddev	.042	.0135	.00014	.01577	.00044	28.	.00386
%RSD	.30998	.22449	1.2217	2.1906	.45498	.25138	.50312
#1	13.497	5.9929	.01154	.70189	.09762	11107.	.76755
#2	13.579	6.0137	.01129	.72678	.09791	11105.	.77091
#3	13.554	6.0181	.01130	.73110	.09704	11058.	.76321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082629 Acquired: 4/1/2011 2:02:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.400**	F **115.04**	F **578.59**	**.00571**	**.00894**	F **355.41**	**.01456**
Stddev	1.124	.61	1.90	.00086	.00079	1.15	.00028
%RSD	1.5971	.52901	.32813	14.983	8.8216	.32225	1.9332
#1	-69.127	114.77	577.55	.00667	.00861	354.74	.01485
#2	-70.815	115.74	580.79	.00545	.00984	356.73	.01428
#3	-71.258	114.62	577.45	.00502	.00837	354.76	.01456
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24955**	**.32684**	**.01183**	**.48366**	**1.1103**	F **91.583**
Stddev	.00071	.00178	.00051	.00278	.0011	.472
%RSD	.28547	.54338	4.3464	.57552	.09848	.51528
#1	.24873	.32586	.01181	.48238	1.1099	91.141
#2	.24989	.32889	.01133	.48686	1.1115	92.080
#3	.25002	.32578	.01236	.48175	1.1094	91.528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66013.**	**69226.**
Stddev	170.	204.
%RSD	.25817	.29417
#1	66049.	69461.
#2	65828.	69103.
#3	66163.	69115.

Approved: April 01, 2011

Sample Name: L1103082630 Acquired: 4/1/2011 2:05:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**144.14**	**.09468**	**.09685**	**1.3610**	**.00949**	**47.481**
Stddev	.00043	.44	.00018	.00128	.0015	.00004	.170
%RSD	12.885	.30663	.18881	1.3227	.11120	.44642	.35775
#1	.00352	143.95	.09452	.09582	1.3595	.00945	47.351
#2	.00284	143.81	.09487	.09828	1.3625	.00949	47.419
#3	.00363	144.64	.09467	.09645	1.3611	.00954	47.673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00750**	**.09702**	**.23859**	**.15114**	**191.27**	**15.260**	**.11322**
Stddev	.00010	.00058	.00060	.00145	.56	.067	.00176
%RSD	1.3141	.60296	.25041	.95815	.29472	.44189	1.5514
#1	.00740	.09644	.23800	.14965	190.62	15.194	.11522
#2	.00759	.09761	.23856	.15254	191.55	15.257	.11253
#3	.00750	.09701	.23919	.15123	191.63	15.328	.11191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.795**	**6.7828**	**.01036**	**.64832**	**.09852**	F **22528.**	**.32655**
Stddev	.116	.0302	.00029	.01327	.00068	20.	.00262
%RSD	.73363	.44535	2.7921	2.0476	.69525	.08837	.80207
#1	15.662	6.7542	.01023	.63413	.09783	22505.	.32362
#2	15.854	6.7799	.01015	.65038	.09920	22535.	.32736
#3	15.870	6.8144	.01069	.66044	.09852	22543.	.32867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082630 Acquired: 4/1/2011 2:05:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.985**	F **259.13**	F **1455.9**	**.00704**	**.01153**	F **269.17**	**.01342**
Stddev	4.169	.66	.8	.00039	.00136	2.09	.00018
%RSD	5.7124	.25317	.05487	5.5914	11.773	.77474	1.3410
#1	-77.799	259.25	1456.7	.00711	.01309	268.30	.01335
#2	-70.546	259.72	1455.9	.00662	.01087	267.66	.01362
#3	-70.611	258.43	1455.1	.00740	.01063	271.55	.01328
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29449**	**.36605**	**.01033**	**.41810**	**.90414**	F **83.213**
Stddev	.00086	.00127	.00071	.00165	.00181	.628
%RSD	.29259	.34673	6.9057	.39551	.20024	.75448
#1	.29406	.36464	.00958	.41639	.90272	82.705
#2	.29394	.36711	.01100	.41821	.90353	83.018
#3	.29549	.36638	.01041	.41969	.90618	83.915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65956.**	**69061.**
Stddev	44.	530.
%RSD	.06627	.76748
#1	66005.	69613.
#2	65922.	69016.
#3	65942.	68555.

Approved: April 01, 2011

Sample Name: L1103082631 Acquired: 4/1/2011 2:09:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**153.11**	**.09113**	**.08923**	**1.5139**	**.01140**	**36.934**
Stddev	.00036	.49	.00051	.00136	.0040	.00003	.225
%RSD	13.277	.31879	.55938	1.5196	.26768	.30098	.61004
#1	.00252	153.55	.09143	.08914	1.5114	.01141	36.756
#2	.00313	153.19	.09054	.08793	1.5118	.01142	36.858
#3	.00249	152.59	.09142	.09063	1.5186	.01136	37.187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**.11217**	**.23617**	**.12680**	**204.57**	**9.9497**	**.11657**
Stddev	.00001	.00016	.00036	.00189	2.08	.0641	.00012
%RSD	.16322	.14126	.15181	1.4904	1.0145	.64419	.09979
#1	.00525	.11215	.23623	.12894	203.57	9.9256	.11670
#2	.00526	.11202	.23579	.12538	203.19	9.9011	.11652
#3	.00526	.11234	.23650	.12607	206.96	10.022	.11648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.901**	**7.4210**	**.00934**	**.88832**	**.10294**	F **8971.2**	**.29623**
Stddev	.080	.0280	.00028	.00433	.00065	64.3	.00365
%RSD	.57446	.37799	3.0376	.48721	.63522	.71635	1.2326
#1	13.845	7.3960	.00964	.88336	.10369	9043.2	.29997
#2	13.866	7.4156	.00931	.89022	.10264	8919.6	.29267
#3	13.993	7.4513	.00907	.89137	.10249	8950.7	.29605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082631 Acquired: 4/1/2011 2:09:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.507**	F **107.08**	F **509.05**	**.00473**	**.00584**	F **323.24**	**.01197**
Stddev	.829	.44	3.14	.00124	.00219	.04	.00024
%RSD	1.2652	.41452	.61619	26.176	37.522	.01303	2.0218
#1	-66.036	107.57	512.55	.00427	.00438	323.26	.01195
#2	-64.552	106.70	506.49	.00613	.00477	323.26	.01173
#3	-65.934	106.97	508.10	.00379	.00836	323.19	.01222
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26487**	**.33079**	**.01070**	**.44404**	**.56745**	F **106.68**
Stddev	.00154	.00137	.00059	.00123	.00072	.80
%RSD	.58037	.41275	5.5315	.27626	.12640	.74631
#1	.26338	.32935	.01135	.44496	.56807	107.60
#2	.26479	.33207	.01018	.44451	.56666	106.30
#3	.26645	.33095	.01057	.44264	.56761	106.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66334.**	**68086.**
Stddev	123.	289.
%RSD	.18513	.42383
#1	66193.	68039.
#2	66401.	68396.
#3	66410.	67824.

Approved: April 01, 2011

Sample Name: L1103082632 Acquired: 4/1/2011 2:12:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**166.02**	**.13727**	**.13335**	**1.7048**	**.01303**	**55.281**
Stddev	.00010	.99	.00058	.00493	.0070	.00012	.154
%RSD	3.4035	.59397	.42410	3.6938	.41034	.91674	.27777
#1	.00289	166.14	.13794	.12817	1.7002	.01295	55.221
#2	.00309	166.93	.13694	.13798	1.7129	.01297	55.456
#3	.00306	164.97	.13694	.13390	1.7014	.01316	55.167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00867**	**.13948**	**.25858**	**.19301**	**267.93**	**23.695**	**.10390**
Stddev	.00011	.00018	.00156	.00127	5.51	.055	.00072
%RSD	1.2121	.12817	.60349	.65835	2.0564	.23114	.69554
#1	.00856	.13930	.25727	.19247	262.01	23.642	.10407
#2	.00877	.13948	.25815	.19210	272.90	23.752	.10453
#3	.00868	.13966	.26031	.19446	268.89	23.692	.10311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.725**	**5.3162**	**.01667**	**.69807**	**.11353**	F **23250.**	**.46801**
Stddev	.127	.0088	.00020	.01182	.00079	38.	.00098
%RSD	.67948	.16533	1.2000	1.6936	.69401	.16460	.20997
#1	18.580	5.3074	.01690	.70699	.11440	23232.	.46696
#2	18.817	5.3250	.01660	.68466	.11287	23224.	.46816
#3	18.779	5.3160	.01651	.70256	.11331	23294.	.46890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082632 Acquired: 4/1/2011 2:12:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.900**	F **219.93**	F **1180.0**	**.00731**	**.01407**	F **329.53**	**.01809**
Stddev	8.056	1.31	1.4	.00037	.00061	.85	.00030
%RSD	11.051	.59757	.12101	5.0830	4.3201	.25889	1.6470
#1	-79.471	218.70	1178.8	.00736	.01343	329.04	.01843
#2	-75.317	219.78	1179.6	.00691	.01464	329.04	.01795
#3	-63.912	221.32	1181.6	.00765	.01412	330.52	.01788
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39074**	**.29567**	**.01253**	**.52221**	**1.2307**	F **107.89**
Stddev	.00093	.00063	.00094	.00397	.0019	.81
%RSD	.23909	.21320	7.4714	.75935	.15553	.75084
#1	.39158	.29611	.01303	.51813	1.2301	107.06
#2	.39091	.29495	.01145	.52244	1.2292	107.94
#3	.38974	.29596	.01311	.52605	1.2329	108.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66100.**	**69035.**
Stddev	137.	564.
%RSD	.20750	.81685
#1	66161.	69654.
#2	66197.	68550.
#3	65943.	68901.

Approved: April 01, 2011

Sample Name: L1103082633 Acquired: 4/1/2011 2:16:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00423**	**198.23**	**.13278**	**.13240**	**1.3205**	**.01356**	**31.327**
Stddev	.00045	1.52	.00123	.00109	.0075	.00007	.225
%RSD	10.733	.76721	.92777	.82328	.56618	.51047	.71825
#1	.00453	196.52	.13167	.13136	1.3129	.01350	31.100
#2	.00371	198.76	.13255	.13232	1.3279	.01363	31.550
#3	.00445	199.42	.13411	.13353	1.3208	.01354	31.331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**.12152**	**.33340**	**.14831**	**301.74**	**16.424**	**.13776**
Stddev	.00007	.00029	.00077	.00147	1.08	.120	.00029
%RSD	.90112	.23786	.22992	.98939	.35864	.72776	.20811
#1	.00755	.12144	.33252	.14710	300.66	16.316	.13768
#2	.00768	.12128	.33374	.14788	301.73	16.552	.13752
#3	.00757	.12185	.33394	.14994	302.82	16.403	.13807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.813**	**5.7764**	**.01704**	**1.0705**	**.11373**	F **10544.**	**.34915**
Stddev	.020	.0048	.00020	.0074	.00029	10.	.00073
%RSD	.10295	.08375	1.1796	.69122	.25172	.09443	.21047
#1	19.790	5.7709	.01727	1.0661	.11351	10556.	.34910
#2	19.827	5.7786	.01694	1.0790	.11405	10539.	.34992
#3	19.823	5.7798	.01690	1.0664	.11362	10539.	.34845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082633 Acquired: 4/1/2011 2:16:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.941**	F **106.12**	F **528.98**	**.00766**	**.00902**	F **330.66**	**.01451**
Stddev	8.594	.31	.68	.00102	.00129	.34	.00018
%RSD	12.288	.29228	.12791	13.276	14.315	.10286	1.2280
#1	-65.801	105.83	528.86	.00730	.00867	330.31	.01432
#2	-79.822	106.09	529.70	.00880	.00794	330.67	.01453
#3	-64.201	106.44	528.37	.00687	.01045	330.99	.01467
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28071**	**.37405**	**.01637**	**.62882**	**.99912**	F **137.36**
Stddev	.00173	.00181	.00107	.00109	.00167	.63
%RSD	.61612	.48515	6.5314	.17350	.16675	.46057
#1	.27928	.37197	.01754	.62818	.99895	136.69
#2	.28263	.37532	.01543	.62821	.99755	137.95
#3	.28023	.37485	.01614	.63008	1.0009	137.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65623.**	**69439.**
Stddev	48.	268.
%RSD	.07353	.38653
#1	65650.	69182.
#2	65651.	69717.
#3	65567.	69418.

Approved: April 01, 2011

Sample Name: L1103082634 Acquired: 4/1/2011 2:19:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**144.89**	**.10636**	**.10286**	**1.3737**	**.01030**	**39.870**
Stddev	.00032	.47	.00057	.00075	.0011	.00004	.015
%RSD	11.134	.32515	.53639	.72848	.08138	.40726	.03742
#1	.00261	144.86	.10649	.10307	1.3744	.01029	39.858
#2	.00272	145.38	.10685	.10202	1.3742	.01035	39.886
#3	.00320	144.44	.10574	.10348	1.3724	.01026	39.865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00651**	**.09984**	**.22103**	**.15697**	**206.26**	**19.285**	**.10259**
Stddev	.00007	.00030	.00117	.00019	2.15	.048	.00122
%RSD	1.0948	.29555	.53037	.12386	1.0405	.24780	1.1876
#1	.00656	.09982	.22103	.15696	206.88	19.230	.10241
#2	.00643	.09955	.22221	.15716	203.87	19.316	.10389
#3	.00655	.10014	.21986	.15677	208.02	19.308	.10147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.502**	**4.4112**	**.01222**	**.65233**	**.09402**	F **19661.**	**.37510**
Stddev	.080	.0136	.00017	.00694	.00045	28.	.00230
%RSD	.51436	.30818	1.3701	1.0642	.47749	.14124	.61192
#1	15.438	4.3964	.01211	.64535	.09365	19691.	.37259
#2	15.477	4.4141	.01213	.65924	.09389	19655.	.37559
#3	15.592	4.4231	.01241	.65239	.09452	19636.	.37710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082634 Acquired: 4/1/2011 2:19:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-67.084**	F **211.46**	F **1181.3**	**.00561**	**.00921**	F **347.29**	**.01451**
Stddev	3.603	1.09	.8	.00103	.00172	.29	.00028
%RSD	5.3702	.51418	.07050	18.313	18.665	.08213	1.8967
#1	-70.674	212.07	1182.2	.00463	.00943	347.22	.01483
#2	-67.110	212.10	1181.1	.00668	.00739	347.60	.01437
#3	-63.469	210.20	1180.6	.00552	.01080	347.04	.01434
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29316**	**.32776**	**.00951**	**.43858**	**.92070**	F **94.303**
Stddev	.00089	.00104	.00099	.00105	.00049	.509
%RSD	.30491	.31832	10.442	.23975	.05340	.54019
#1	.29270	.32680	.00843	.43972	.92059	94.640
#2	.29419	.32887	.00971	.43838	.92124	94.552
#3	.29258	.32759	.01038	.43764	.92028	93.717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65868.**	**69266.**
Stddev	178.	756.
%RSD	.27047	1.0920
#1	65691.	69073.
#2	65865.	70101.
#3	66047.	68626.

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 2:23:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .45214	10.730	.42763	.53979	.98442	.05300	9.5162
Stddev	.00142	.038	.00069	.00215	.00168	.00009	.0417
%RSD	.31485	.35683	.16178	.39777	.17041	.17730	.43773
#1	.45067	10.769	.42745	.54168	.98632	.05308	9.5593
#2	.45351	10.693	.42839	.53745	.98315	.05290	9.4762
#3	.45224	10.729	.42705	.54025	.98378	.05304	9.5131
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05435	.21626	.51569	.53467	3.9298	47.622	.99180
Stddev	.00008	.00036	.00159	.00085	.0162	.139	.00012
%RSD	.15113	.16601	.30841	.15838	.41229	.29172	.01189
#1	.05426	.21586	.51736	.53389	3.9366	47.782	.99194
#2	.05437	.21657	.51420	.53455	3.9415	47.544	.99174
#3	.05442	.21634	.51551	.53557	3.9113	47.540	.99174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7327	.49627	F 1.1234	49.220	.51933	F .20903	.52560
Stddev	.0227	.00050	.0005	.159	.00064	1.4566	.00266
%RSD	.23328	.10094	.04262	.32393	.12398	696.81	.50663
#1	9.7566	.49603	1.1228	49.404	.51866	-1.4728	.52717
#2	9.7298	.49594	1.1237	49.126	.51939	1.0550	.52253
#3	9.7115	.49685	1.1236	49.131	.51994	1.0449	.52711
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 2:23:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-31.046**	**9.1917**	F **-.33110**	F **1.3505**	**.43841**	F **736.99**	F **1.1108**
Stddev	3.006	.0628	.28135	.0017	.00067	.16	.0011
%RSD	9.6820	.68315	84.975	.12384	.15310	.02203	.09503
#1	-27.582	9.2252	-.64626	1.3506	.43915	737.08	1.1097
#2	-32.590	9.1192	-.10521	1.3488	.43821	736.80	1.1110
#3	-32.967	9.2305	-.24183	1.3521	.43785	737.09	1.1118
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000		5.0000	1.0000
Range	-10.000%		-10.000%	10.000%		10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96830**	**1.0544**	**.54309**	F **1.1075**	**1.0395**	**.96728**
Stddev	.00248	.0035	.00200	.0026	.0016	.17193
%RSD	.25624	.33522	.36770	.23763	.15545	17.774
#1	.97110	1.0585	.54496	1.1092	1.0377	.95917
#2	.96638	1.0522	.54098	1.1045	1.0399	1.1431
#3	.96743	1.0526	.54332	1.1089	1.0408	.79956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value				1.0000		
Range				10.000%		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66355.**	**67142.**
Stddev	140.	202.
%RSD	.21047	.30012
#1	66513.	66985.
#2	66248.	67073.
#3	66302.	67370.

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 2:26:44 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.01445**	**.00062**	**.00179**	**-.00015**	**.00000**	**.00435**
Stddev	.00049	.00128	.00057	.00077	.00006	.0000	.00445
%RSD	247.53	8.8899	91.944	43.019	41.406	3565.4	102.34
#1	-.00051	.01519	.00126	.00258	-.00012	-.00001	.00423
#2	-.00044	.01297	.00019	.00176	-.00022	.00001	.00886
#3	.00036	.01519	.00040	.00104	-.00011	.00000	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00011**	**.00001**	**.00001**	**.00196**	**.04725**	**.00094**
Stddev	.0001	.00010	.00021	.00029	.00067	.03776	.00127
%RSD	118460.	89.574	2236.4	3793.6	34.149	79.907	135.35
#1	-.00011	-.00021	-.00001	.00026	.00164	.08697	.00129
#2	.00003	-.00008	-.00019	-.00031	.00273	.04297	.00200
#3	.00008	-.00003	.00023	.00007	.00151	.01182	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**-.00049**	**-.00009**	**.02309**	**-.00013**	F **-6.4107**	**.00089**
Stddev	.00221	.00022	.00006	.00596	.00015	2.2121	.00156
%RSD	100.21	44.978	67.858	25.811	121.69	34.506	176.30
#1	.00327	-.00073	-.00010	.01671	.00005	-4.0678	-.00022
#2	.00368	-.00045	-.00014	.02852	-.00020	-6.7011	.00020
#3	-.00034	-.00029	-.00002	.02404	-.00024	-8.4632	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 2:26:44 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-27.769**	F **-.04131**	F **-.32645**	**-.00246**	**-.00011**	**-.17303**	**-.00018**
Stddev	4.571	.02245	.09474	.00043	.00133	.03926	.00005
%RSD	16.462	54.332	29.021	17.340	1244.8	22.691	27.809
#1	-26.189	-.03959	-.22131	-.00233	.00142	-.16284	-.00013
#2	-24.197	-.01978	-.40517	-.00212	-.00107	-.21639	-.00018
#3	-32.920	-.06457	-.35287	-.00294	-.00067	-.13987	-.00023
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00178**	**.00052**	**-.00004**	**-.00055**	**.09966**
Stddev	.00004	.00065	.00077	.00014	.00004	.09376
%RSD	78.138	36.714	146.93	314.19	8.1356	94.087
#1	-.00005	.00247	-.00018	-.00014	-.00051	.11359
#2	-.00001	.00168	.00135	-.00011	-.00060	.18567
#3	-.00010	.00118	.00040	.00011	-.00054	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67881.**	**65984.**
Stddev	198.	521.
%RSD	.29204	.78989
#1	67675.	65709.
#2	67897.	66586.
#3	68071.	65659.

Approved: April 01, 2011

Sample Name: L1103082635 Acquired: 4/1/2011 2:30:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**145.02**	**.10178**	**.09543**	**1.8309**	**.01040**	**31.331**
Stddev	.00019	1.12	.00180	.00022	.0069	.00006	.125
%RSD	6.7585	.77484	1.7640	.23377	.37750	.54235	.39770
#1	.00276	143.96	.10017	.09524	1.8243	.01035	31.260
#2	.00274	144.91	.10146	.09536	1.8304	.01039	31.258
#3	.00309	146.19	.10372	.09567	1.8381	.01046	31.475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00564**	**.09792**	**.21355**	**.12934**	**206.67**	**14.535**	**.09794**
Stddev	.00005	.00068	.00042	.00139	.84	.049	.00109
%RSD	.90175	.68976	.19512	1.0722	.40514	.33628	1.1109
#1	.00565	.09739	.21399	.12809	205.89	14.517	.09678
#2	.00568	.09770	.21349	.12909	206.56	14.497	.09808
#3	.00558	.09868	.21316	.13083	207.55	14.590	.09894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.774**	**5.3235**	**.01133**	**.95627**	**.09042**	F **9842.2**	**.32425**
Stddev	.044	.0140	.00003	.00854	.00078	78.7	.00285
%RSD	.29993	.26307	.29213	.89317	.85772	.79962	.87821
#1	14.780	5.3154	.01136	.96121	.08963	9777.6	.32119
#2	14.727	5.3154	.01134	.94641	.09045	9819.2	.32474
#3	14.815	5.3396	.01129	.96119	.09119	9929.9	.32682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082635 Acquired: 4/1/2011 2:30:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.583**	F **109.20**	F **550.95**	**.00579**	**.00908**	F **294.41**	**.01128**
Stddev	1.696	.39	2.25	.00115	.00175	.50	.00016
%RSD	2.4025	.35350	.40885	19.884	19.259	.16895	1.4007
#1	-72.403	108.93	549.88	.00710	.00707	294.54	.01110
#2	-69.048	109.04	549.44	.00494	.00992	293.86	.01137
#3	-70.298	109.65	553.54	.00533	.01025	294.83	.01138
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25708**	**.29095**	**.01188**	**.43176**	**.63960**	F **94.607**
Stddev	.00099	.00187	.00112	.00324	.00080	.363
%RSD	.38393	.64238	9.4433	.75079	.12495	.38351
#1	.25686	.29073	.01316	.42835	.63897	94.727
#2	.25623	.28920	.01105	.43212	.64050	94.199
#3	.25817	.29292	.01144	.43480	.63933	94.894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65701.**	**67901.**
Stddev	111.	454.
%RSD	.16903	.66885
#1	65829.	67383.
#2	65629.	68229.
#3	65645.	68091.

Approved: April 01, 2011

Sample Name: L1103082636 Acquired: 4/1/2011 2:33:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**155.74**	**.10076**	**.10543**	**1.2436**	**.00928**	**34.560**
Stddev	.00044	1.39	.00078	.00045	.0032	.00004	.095
%RSD	12.377	.89130	.77491	.43081	.25771	.48052	.27463
#1	.00351	156.83	.10154	.10577	1.2435	.00933	34.572
#2	.00318	156.21	.10076	.10492	1.2405	.00924	34.460
#3	.00405	154.18	.09998	.10562	1.2469	.00926	34.649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00653**	**.08516**	**.23287**	**.14017**	**193.76**	**17.731**	**.12085**
Stddev	.00002	.00074	.00027	.00143	.39	.057	.00058
%RSD	.37161	.87188	.11711	1.0229	.20295	.31891	.48266
#1	.00651	.08480	.23318	.14065	193.56	17.726	.12087
#2	.00655	.08602	.23268	.14130	193.50	17.677	.12026
#3	.00655	.08467	.23275	.13856	194.21	17.790	.12142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.168**	**4.0210**	**.00969**	**.57635**	**.09411**	F **17562.**	**.43809**
Stddev	.057	.0034	.00009	.00736	.00066	25.	.00322
%RSD	.37250	.08385	.96868	1.2762	.69611	.14325	.73569
#1	15.154	4.0178	.00964	.57481	.09436	17573.	.43647
#2	15.120	4.0206	.00980	.56988	.09461	17580.	.44180
#3	15.231	4.0245	.00964	.58435	.09337	17533.	.43600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082636 Acquired: 4/1/2011 2:33:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.555**	F **193.97**	F **1094.8**	**.00437**	**.00613**	F **374.57**	**.01357**
Stddev	9.096	.88	.7	.00282	.00169	.66	.00012
%RSD	14.541	.45375	.06836	64.541	27.614	.17578	.87415
#1	-52.070	194.48	1095.5	.00142	.00722	374.80	.01360
#2	-67.250	194.47	1094.9	.00704	.00698	375.08	.01344
#3	-68.343	192.95	1094.0	.00465	.00418	373.82	.01367
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25911**	**.41895**	**.01041**	**.42934**	**.90335**	F **91.503**
Stddev	.00068	.00118	.00108	.00315	.00146	.670
%RSD	.26411	.28209	10.367	.73453	.16119	.73200
#1	.25947	.41764	.01112	.43282	.90425	92.262
#2	.25832	.41928	.01095	.42851	.90414	91.254
#3	.25955	.41993	.00917	.42668	.90167	90.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65416.**	**68458.**
Stddev	207.	108.
%RSD	.31681	.15716
#1	65260.	68421.
#2	65337.	68580.
#3	65651.	68375.

Approved: April 01, 2011

Sample Name: L1103082637 Acquired: 4/1/2011 2:37:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**155.30**	**.10494**	**.09437**	**1.4300**	**.01061**	**29.026**
Stddev	.00025	1.16	.00014	.00154	.0027	.00006	.084
%RSD	9.0017	.74828	.13806	1.6274	.18833	.53188	.28859
#1	.00295	154.28	.10510	.09564	1.4330	.01054	29.117
#2	.00290	156.57	.10489	.09267	1.4293	.01065	29.008
#3	.00249	155.07	.10482	.09480	1.4277	.01063	28.953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00634**	**.09566**	**.23713**	**.12875**	**211.06**	**12.441**	**.11567**
Stddev	.00007	.00008	.00139	.00079	2.50	.026	.00162
%RSD	1.1213	.08693	.58554	.61491	1.1836	.21066	1.4022
#1	.00633	.09572	.23554	.12824	212.69	12.468	.11404
#2	.00627	.09557	.23808	.12836	208.18	12.416	.11729
#3	.00641	.09571	.23776	.12967	212.31	12.438	.11568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.635**	**4.9662**	**.01078**	**.71821**	**.09382**	F **9848.2**	**.48602**
Stddev	.050	.0101	.00005	.00699	.00066	62.3	.00170
%RSD	.34159	.20290	.47174	.97326	.70625	.63276	.34984
#1	14.615	4.9760	.01079	.71782	.09417	9909.7	.48730
#2	14.598	4.9558	.01082	.72539	.09424	9785.1	.48409
#3	14.692	4.9668	.01072	.71143	.09306	9849.8	.48666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082637 Acquired: 4/1/2011 2:37:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.236**	F **113.99**	F **593.08**	**.00642**	**.00729**	F **362.31**	**.01643**
Stddev	5.531	.72	2.98	.00174	.00269	1.54	.00002
%RSD	8.8873	.62775	.50238	27.082	36.906	.42439	.10825
#1	-67.825	113.34	596.51	.00549	.00888	361.60	.01641
#2	-56.765	113.87	591.13	.00843	.00418	361.25	.01645
#3	-62.116	114.75	591.61	.00535	.00880	364.07	.01643
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24044**	**.33389**	**.01082**	**.45996**	**.70014**	F **104.58**
Stddev	.00120	.00065	.00039	.00322	.00235	.69
%RSD	.49713	.19576	3.6246	.70112	.33571	.65658
#1	.24147	.33384	.01102	.45623	.69758	103.81
#2	.24072	.33326	.01107	.46191	.70063	105.14
#3	.23913	.33457	.01037	.46173	.70221	104.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65503.**	**67908.**
Stddev	212.	518.
%RSD	.32386	.76260
#1	65727.	67621.
#2	65476.	68506.
#3	65306.	67597.

Approved: April 01, 2011

Sample Name: L1103082638 Acquired: 4/1/2011 2:40:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00483**	**181.74**	**.13123**	**.12156**	**2.0092**	**.01376**	**33.009**
Stddev	.00045	.53	.00131	.00143	.0059	.00002	.039
%RSD	9.3730	.28973	.99799	1.1793	.29555	.17408	.11728
#1	.00438	182.02	.13263	.12288	2.0129	.01374	33.028
#2	.00482	182.07	.13004	.12004	2.0024	.01374	32.964
#3	.00529	181.13	.13103	.12177	2.0124	.01378	33.034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00586**	**.23346**	**.30299**	**.14504**	**289.64**	**13.097**	**.12187**
Stddev	.00012	.00024	.00107	.00049	2.31	.056	.00039
%RSD	1.9714	.10265	.35174	.33941	.79659	.42907	.31594
#1	.00576	.23373	.30183	.14513	291.84	13.066	.12231
#2	.00583	.23338	.30393	.14451	287.24	13.064	.12160
#3	.00599	.23327	.30322	.14549	289.86	13.162	.12169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.759**	**9.1685**	**.01637**	**1.2627**	**.11618**	F **8924.0**	**.37616**
Stddev	.062	.0067	.00011	.0055	.00018	11.4	.00135
%RSD	.37104	.07284	.68350	.43436	.15207	.12809	.35806
#1	16.731	9.1677	.01636	1.2670	.11634	8926.1	.37741
#2	16.715	9.1623	.01649	1.2566	.11621	8911.7	.37473
#3	16.830	9.1756	.01626	1.2646	.11599	8934.2	.37633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082638 Acquired: 4/1/2011 2:40:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.111**	F **97.954**	F **458.47**	**.00840**	**.01300**	F **323.01**	**.01397**
Stddev	4.842	.179	.73	.00042	.00198	.31	.00006
%RSD	8.1919	.18238	.15926	5.0536	15.250	.09544	.43068
#1	-61.061	97.793	458.46	.00871	.01221	322.69	.01396
#2	-62.675	97.921	457.75	.00791	.01525	323.03	.01403
#3	-53.598	98.146	459.21	.00857	.01153	323.31	.01391
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33989**	**.33412**	**.01547**	**.60808**	**.62838**	F **128.69**
Stddev	.00041	.00024	.00053	.00140	.00077	.24
%RSD	.12027	.07215	3.3989	.23093	.12215	.18370
#1	.34013	.33439	.01605	.60962	.62804	128.42
#2	.34013	.33398	.01503	.60773	.62784	128.83
#3	.33942	.33398	.01533	.60688	.62926	128.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65556.**	**68377.**
Stddev	58.	60.
%RSD	.08863	.08717
#1	65490.	68434.
#2	65578.	68384.
#3	65600.	68315.

Approved: April 01, 2011

Sample Name: L1103082639 Acquired: 4/1/2011 2:44:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**156.60**	**.18678**	**.12205**	**1.1256**	**.01130**	**39.917**
Stddev	.00041	1.34	.00196	.00158	.0047	.00010	.172
%RSD	9.2340	.85414	1.0495	1.2930	.41448	.92161	.43199
#1	.00463	158.11	.18904	.12072	1.1253	.01118	39.889
#2	.00396	156.14	.18564	.12164	1.1304	.01137	40.102
#3	.00469	155.56	.18565	.12379	1.1211	.01135	39.760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**.12087**	**.26941**	**.16890**	**252.51**	**19.105**	**.10494**
Stddev	.00005	.00033	.00258	.00084	2.09	.078	.00057
%RSD	.65175	.27555	.95863	.49446	.82764	.40609	.54772
#1	.00794	.12055	.26643	.16796	250.80	19.059	.10558
#2	.00802	.12085	.27109	.16955	251.90	19.194	.10448
#3	.00803	.12122	.27069	.16919	254.84	19.060	.10476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.702**	**5.7942**	**.01544**	**.94206**	**.10036**	F **16427.**	**.44349**
Stddev	.048	.0084	.00011	.00179	.00044	13.	.00212
%RSD	.28927	.14572	.73194	.19012	.44207	.07894	.47786
#1	16.650	5.7861	.01552	.94241	.10016	16424.	.44149
#2	16.744	5.8030	.01550	.94366	.10087	16442.	.44328
#3	16.713	5.7935	.01531	.94013	.10005	16416.	.44571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082639 Acquired: 4/1/2011 2:44:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.164**	F **184.91**	F **998.44**	**.00803**	**.01086**	F **344.35**	**.02747**
Stddev	4.657	.73	.78	.00209	.00351	.45	.00029
%RSD	7.2576	.39428	.07856	25.990	32.353	.13164	1.0714
#1	-64.979	184.07	999.34	.00825	.01492	343.92	.02779
#2	-68.360	185.28	997.90	.00585	.00889	344.83	.02721
#3	-59.154	185.37	998.08	.01000	.00877	344.31	.02742
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30003**	**.38754**	**.01419**	**.52160**	**.95469**	F **94.477**
Stddev	.00129	.00129	.00185	.00280	.00241	.656
%RSD	.42858	.33392	13.025	.53587	.25198	.69396
#1	.30036	.38720	.01577	.51880	.95213	93.760
#2	.30112	.38898	.01216	.52439	.95506	95.046
#3	.29861	.38646	.01465	.52161	.95689	94.625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65109.**	**68085.**
Stddev	182.	169.
%RSD	.27920	.24859
#1	65315.	68276.
#2	65040.	67955.
#3	64972.	68023.

Approved: April 01, 2011

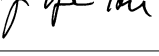
Sample Name: L1103082639S Acquired: 4/1/2011 2:47:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19664**	**117.50**	**.34051**	**.11020**	**1.1784**	**.01062**	**37.767**
Stddev	.00102	.95	.00077	.00425	.0019	.00005	.064
%RSD	.51829	.80692	.22555	3.8585	.16363	.51081	.16994
#1	.19728	116.41	.34115	.11472	1.1795	.01069	37.812
#2	.19717	118.00	.34073	.10957	1.1796	.01060	37.694
#3	.19546	118.09	.33966	.10629	1.1762	.01059	37.796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03077**	**.14683**	**.23328**	**.38049**	**249.53**	**15.397**	**.07048**
Stddev	.00016	.00050	.00129	.00164	7.48	.015	.00064
%RSD	.50378	.34067	.55468	.43177	2.9958	.09480	.91429
#1	.03095	.14739	.23417	.38233	257.31	15.389	.06978
#2	.03068	.14667	.23179	.37996	248.88	15.414	.07104
#3	.03068	.14643	.23388	.37918	242.41	15.389	.07063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.066**	**7.1002**	**.01544**	**.75570**	**.08624**	F **14636.**	**.66153**
Stddev	.043	.0068	.00006	.00753	.00047	30.	.00378
%RSD	.30446	.09619	.36258	.99703	.54897	.20726	.57214
#1	14.039	7.0963	.01546	.75480	.08595	14668.	.66590
#2	14.043	7.0963	.01538	.76364	.08599	14635.	.65933
#3	14.116	7.1081	.01548	.74865	.08679	14607.	.65936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011



Sample Name: L1103082639S Acquired: 4/1/2011 2:47:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.182**	F **167.63**	F **893.07**	**.00721**	**.01100**	F **279.81**	**.01475**
Stddev	5.921	.60	1.84	.00037	.00029	.76	.00005
%RSD	10.730	.35613	.20575	5.0657	2.6432	.27077	.35926
#1	-61.958	168.25	893.70	.00761	.01122	280.16	.01481
#2	-52.589	167.59	894.51	.00714	.01067	280.34	.01474
#3	-51.000	167.06	891.00	.00689	.01110	278.94	.01470
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28034**	**.34966**	**.01375**	**.49443**	**.94420**	F **75.085**
Stddev	.00079	.00087	.00065	.00117	.00239	.573
%RSD	.28174	.24761	4.7200	.23661	.25341	.76286
#1	.28087	.35065	.01388	.49562	.94696	75.645
#2	.27944	.34904	.01433	.49438	.94299	74.501
#3	.28073	.34929	.01305	.49328	.94266	75.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65329.**	**67089.**
Stddev	216.	269.
%RSD	.33014	.40150
#1	65086.	67255.
#2	65403.	67234.
#3	65498.	66778.

Approved: April 01, 2011

Sample Name: L1103082639SD Acquired: 4/1/2011 2:51:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20207**	**183.76**	**.37391**	**.14331**	**1.1045**	**.01355**	**33.132**
Stddev	.00135	1.09	.00174	.00344	.0030	.00003	.008
%RSD	.67046	.59383	.46588	2.3990	.27476	.24322	.02296
#1	.20052	183.32	.37279	.14182	1.1014	.01354	33.139
#2	.20300	185.00	.37303	.14087	1.1075	.01358	33.133
#3	.20270	182.95	.37592	.14724	1.1047	.01352	33.124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03295**	**.15812**	**.33089**	**.39998**	**317.13**	**19.600**	**.11666**
Stddev	.00002	.00060	.00199	.00148	4.69	.002	.00069
%RSD	.06832	.38162	.60242	.36991	1.4789	.01174	.59087
#1	.03293	.15752	.33020	.39827	314.77	19.602	.11746
#2	.03294	.15812	.33314	.40092	314.09	19.599	.11630
#3	.03297	.15873	.32933	.40074	322.53	19.598	.11623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.187**	**7.5568**	**.01875**	**1.1233**	**.11401**	F **13719.**	**.71960**
Stddev	.028	.0105	.00010	.0078	.00065	25.	.00042
%RSD	.15296	.13860	.53901	.69770	.56940	.18032	.05866
#1	18.184	7.5673	.01867	1.1244	.11451	13718.	.72003
#2	18.161	7.5464	.01886	1.1150	.11425	13745.	.71959
#3	18.216	7.5568	.01873	1.1306	.11328	13695.	.71918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 01, 2011

Sample Name: L1103082639SD Acquired: 4/1/2011 2:51:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment: WG360137-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.059**	F **135.52**	F **708.69**	**.00977**	**.01385**	F **380.16**	**.04856**
Stddev	3.646	.46	.39	.00257	.00158	.96	.00018
%RSD	6.3905	.33577	.05452	26.317	11.389	.25124	.36624
#1	-57.424	134.99	708.52	.01191	.01236	379.06	.04853
#2	-53.244	135.79	709.14	.01048	.01550	380.71	.04875
#3	-60.509	135.77	708.42	.00692	.01367	380.72	.04840
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27084**	**.44183**	**.01824**	**.64379**	**.99314**	F **120.23**
Stddev	.00027	.00023	.00078	.00199	.00177	.71
%RSD	.09975	.05143	4.2808	.30842	.17849	.59418
#1	.27109	.44159	.01748	.64174	.99294	119.44
#2	.27087	.44186	.01904	.64570	.99501	120.84
#3	.27055	.44204	.01821	.64394	.99148	120.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65147.**	**67404.**
Stddev	137.	428.
%RSD	.21084	.63506
#1	65300.	66914.
#2	65033.	67706.
#3	65109.	67592.

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 2:54:59 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44157	10.596	.42037	.52965	.97845	.05234	9.5338
Stddev	.00142	.053	.00063	.00134	.00326	.00021	.0532
%RSD	.32169	.49670	.14967	.25304	.33281	.40705	.55760
#1	.44151	10.572	.42028	.53006	.97474	.05257	9.4763
#2	.44018	10.657	.41979	.52815	.97976	.05230	9.5440
#3	.44302	10.560	.42104	.53074	.98085	.05215	9.5811
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05328	.21280	.51165	.52550	3.9388	47.534	.98452
Stddev	.00009	.00047	.00236	.00126	.0097	.269	.00273
%RSD	.16677	.21919	.46050	.23986	.24626	.56554	.27722
#1	.05322	.21273	.51319	.52506	3.9276	47.229	.98396
#2	.05324	.21330	.51283	.52693	3.9436	47.637	.98212
#3	.05338	.21238	.50894	.52452	3.9451	47.736	.98749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7471	.49540	F 1.1073	49.284	.51150	F 1.2909	.51959
Stddev	.0528	.00073	.0008	.315	.00072	7.6746	.00260
%RSD	.54173	.14720	.07108	.63896	.14156	594.49	.50024
#1	9.6923	.49470	1.1065	48.927	.51096	-5.0093	.51665
#2	9.7977	.49535	1.1074	49.400	.51233	-.95606	.52159
#3	9.7513	.49615	1.1081	49.524	.51122	9.8382	.52053
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			10.000%			-10.000%	

Approved: April 01, 2011

Sample Name: CCV Acquired: 4/1/2011 2:54:59 Type: QC
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-24.224**	**9.0928**	F **-.06260**	F **1.3300**	**.43165**	F **724.62**	**1.0963**
Stddev	7.118	.0686	.32490	.0065	.00270	.72	.0020
%RSD	29.385	.75468	519.00	.48838	.62521	.09947	.18302
#1	-30.392	9.0237	.29143	1.3225	.43036	723.80	1.0970
#2	-16.435	9.1610	-.34712	1.3333	.42983	724.95	1.0979
#3	-25.844	9.0936	-.13211	1.3341	.43475	725.12	1.0941
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000	1.2000		5.0000	
Range	-10.000%		-10.000%	10.000%		10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96843**	**1.0518**	**.53383**	**1.0858**	**1.0291**	**1.0521**
Stddev	.00521	.0031	.00400	.0027	.0019	.0271
%RSD	.53765	.29599	.74882	.24938	.18642	2.5782
#1	.96262	1.0492	.52922	1.0878	1.0303	1.0796
#2	.96997	1.0552	.53633	1.0827	1.0302	1.0254
#3	.97269	1.0509	.53594	1.0869	1.0269	1.0513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66173.**	**65401.**
Stddev	9.	697.
%RSD	.01390	1.0656
#1	66183.	66168.
#2	66170.	64807.
#3	66165.	65228.

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 2:58:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.02089**	**.00035**	**.00163**	**-.00018**	**.00000**	**.00685**
Stddev	.00018	.00073	.00044	.00069	.00007	.0000	.00103
%RSD	256.68	3.4845	126.32	42.039	40.322	531.51	15.091
#1	.00013	.02172	.00022	.00197	-.00017	.00001	.00578
#2	-.00022	.02036	-.00001	.00209	-.00012	.00001	.00693
#3	-.00011	.02059	.00084	.00084	-.00026	-.00003	.00784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00003**	**.00008**	**.00016**	**.01199**	**.06403**	**.00176**
Stddev	.00007	.00011	.00039	.00010	.00104	.03735	.00074
%RSD	115.35	431.22	514.51	62.328	8.6981	58.337	42.015
#1	-.00004	-.00006	.00037	.00006	.01315	.03377	.00122
#2	.00000	.00010	.00022	.00016	.01113	.10577	.00145
#3	-.00014	-.00011	-.00037	.00025	.01169	.05254	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00028**	**.00007**	**.01051**	**.00026**	F **-3.8628**	**.00105**
Stddev	.00930	.00043	.00006	.00395	.00008	3.8681	.00010
%RSD	5825.4	152.81	85.972	37.634	30.734	100.14	9.5740
#1	-.01056	.00005	.00008	.01484	.00017	-6.7357	.00098
#2	.00505	-.00077	.00001	.00961	.00026	-5.3881	.00101
#3	.00599	-.00012	.00012	.00708	.00033	.53540	.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 01, 2011

Sample Name: CCB Acquired: 4/1/2011 2:58:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1310) Mode: CONC Corr. Factor: 1.000000
User: PDM Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.613**	**-.00587**	F **-.12920**	**-.00113**	**.00035**	**.05090**	**-.00020**
Stddev	3.604	.02401	.02334	.00046	.00023	.03824	.00008
%RSD	10.119	408.89	18.062	41.003	64.529	75.131	39.182
#1	-36.049	.01834	-.14151	-.00088	.00026	.06879	-.00019
#2	-31.811	-.00628	-.14380	-.00085	.00061	.07692	-.00029
#3	-38.979	-.02968	-.10229	-.00166	.00019	.00699	-.00013
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00169**	**.00066**	**.00009**	**-.00055**	F **.11583**
Stddev	.00005	.00039	.00029	.00010	.00002	.09301
%RSD	251.79	23.316	44.165	118.56	3.3367	80.303
#1	.00003	.00192	.00043	-.00002	-.00056	.08542
#2	-.00003	.00192	.00099	.00009	-.00053	.04183
#3	.00005	.00124	.00057	.00019	-.00056	.22024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67438.**	**65133.**
Stddev	112.	355.
%RSD	.16608	.54481
#1	67426.	65364.
#2	67556.	64724.
#3	67333.	65310.

Approved: April 01, 2011

Sample Name: S0 Acquired: 4/1/2011 10:40:04 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00051**	**.01212**	**-.00008**	**.00067**	**.00280**	**-.00183**	**-.00035**
Stddev	.00013	.00005	.00001	.00002	.00008	.00003	.00008
%RSD	25.967	.37147	11.706	3.2882	2.9176	1.4266	22.014
#1	-.00043	.01214	-.00007	.00069	.00282	-.00184	-.00043
#2	-.00066	.01207	-.00008	.00065	.00287	-.00184	-.00035
#3	-.00043	.01215	-.00009	.00069	.00271	-.00180	-.00028

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00007**	**-.00012**	**-.00014**	**.00013**	**.00002**	**-.00024**	**-.00095**
Stddev	.00002	.00001	.00010	.00001	.00003	.00012	.00014
%RSD	21.873	10.503	68.568	7.9423	161.46	51.386	15.131
#1	.00007	-.00013	-.00018	.00014	.00001	-.00012	-.00096
#2	.00008	-.00011	-.00021	.00012	.00005	-.00036	-.00081
#3	.00005	-.00011	-.00003	.00012	-.00001	-.00024	-.00109

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00005**	**.00019**	**.00001**	**-.00285**	**-.00021**	**.00010**	**-.00016**
Stddev	.00001	.00003	.00001	.00003	.00001	.00001	.00001
%RSD	17.799	15.943	49.731	.98294	5.8306	12.682	7.4675
#1	.00004	.00015	.00001	-.00282	-.00020	.00009	-.00017
#2	.00005	.00021	.00000	-.00286	-.00022	.00009	-.00015
#3	.00004	.00019	.00001	-.00287	-.00020	.00011	-.00016

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00503**	**.00023**	**.00018**	**.00006**	**-.00008**	**.00040**	**.00029**
Stddev	.00016	.00001	.00001	.00000	.00001	.00001	.00000
%RSD	3.2061	4.3735	8.2412	4.3255	16.756	1.6489	1.5014
#1	-.00502	.00024	.00016	.00005	-.00009	.00039	.00029
#2	-.00519	.00022	.00019	.00006	-.00006	.00040	.00029
#3	-.00487	.00023	.00018	.00006	-.00008	.00040	.00030

Approved: April 04, 2011

Sample Name: S0 Acquired: 4/1/2011 10:40:04 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00056**	**-.00039**	**-.00007**	**.00032**	**.00014**	**-.00090**
Stddev	.00009	.00004	.00001	.00007	.00000	.00003
%RSD	15.222	10.326	11.886	21.759	1.0543	3.6829
#1	.00060	-.00037	-.00006	.00039	.00014	-.00092
#2	.00062	-.00044	-.00007	.00033	.00014	-.00091
#3	.00046	-.00037	-.00007	.00025	.00014	-.00086

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67662.**	**65741.**
Stddev	113.	451.
%RSD	.16743	.68596
#1	67552.	66150.
#2	67655.	65258.
#3	67778.	65817.

Approved: April 04, 2011

Sample Name: S1 Acquired: 4/1/2011 10:43:39 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

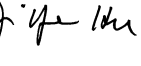
Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00065**	**.02288**	**.01091**	**.00038**	**.00103**	**.00024**	**.00034**
Stddev	.00006	.00005	.00013	.00011	.00003	.00001	.00001
%RSD	8.8211	.20491	1.2053	27.796	3.1570	2.8205	2.3806
#1	.00067	.02289	.01101	.00026	.00106	.00023	.00034
#2	.00070	.02291	.01096	.00045	.00104	.00024	.00035
#3	.00059	.02282	.01076	.00044	.00099	.00024	.00035

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00126**	**.00057**	**.00068**	**.00396**	**.00067**	**.00050**	**.00117**
Stddev	.00014	.00003	.00002	.00020	.00026	.00003	.00006
%RSD	10.951	5.2933	3.1162	4.9861	38.727	6.0205	4.8613
#1	.00142	.00053	.00069	.00373	.00065	.00047	.00110
#2	.00117	.00059	.00070	.00409	.00042	.00053	.00119
#3	.00119	.00058	.00066	.00405	.00094	.00049	.00120

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00076**	**.01243**	**.00009**	**.00010**	**.00002**	**-.00514**	**.00028**
Stddev	.00001	.00019	.00002	.00001	.00003	.00024	.00001
%RSD	1.0857	1.5382	21.042	8.4885	144.36	4.6935	3.3660
#1	.00076	.01232	.00007	.00010	.00005	-.00487	.00027
#2	.00075	.01265	.00011	.00010	-.00001	-.00524	.00028
#3	.00076	.01232	.00009	.00009	.00003	-.00532	.00028

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00018**	**.00030**	**.00042**	**.00082**	**.01497**	**.00056**	**.00563**
Stddev	.00001	.00002	.00001	.00001	.00012	.00008	.00008
%RSD	6.7363	6.5096	2.7259	1.4754	.78745	13.774	1.3489
#1	.00017	.00032	.00041	.00082	.01499	.00050	.00559
#2	.00019	.00028	.00043	.00080	.01508	.00054	.00572
#3	.00019	.00030	.00041	.00083	.01485	.00065	.00558

Approved: April 04, 2011



Sample Name: S1 Acquired: 4/1/2011 10:43:39 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00312**	**-.00097**
Stddev	.00003	.00003
%RSD	.89148	3.0541
#1	.00312	-.00099
#2	.00315	-.00093
#3	.00310	-.00098
Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67773.**	**65537.**
Stddev	127.	562.
%RSD	.18773	.85698
#1	67800.	66061.
#2	67634.	64944.
#3	67884.	65607.

Approved: April 04, 2011

Sample Name: S2 Acquired: 4/1/2011 10:47:14 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00166**	**.03332**	**.00006**	**.00200**	**.01875**	**.00249**	**.00248**
Stddev	.00013	.00020	.00001	.00005	.00020	.00014	.00009
%RSD	7.8052	.59264	13.659	2.4850	1.0577	5.4700	3.5430
#1	.00181	.03340	.00005	.00195	.01895	.00234	.00239
#2	.00158	.03346	.00006	.00202	.01875	.00258	.00249
#3	.00159	.03309	.00006	.00204	.01855	.00257	.00256

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00042**	**.00083**	**.00276**	**.00096**	**.00139**	**.00860**	**.00243**
Stddev	.00003	.00002	.00005	.00002	.00002	.00019	.00016
%RSD	7.1836	2.3345	1.7939	1.8723	1.7334	2.2390	6.7001
#1	.00040	.00084	.00273	.00097	.00137	.00849	.00238
#2	.00046	.00081	.00273	.00094	.00142	.00848	.00261
#3	.00040	.00084	.00282	.00098	.00139	.00882	.00230

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00101**	**.00213**	**.00147**	**.02719**	**.00041**	**.00011**	**.00023**
Stddev	.00002	.00003	.00001	.00022	.00001	.00002	.00003
%RSD	2.0997	1.4918	.38137	.81338	3.6625	21.939	14.280
#1	.00103	.00217	.00147	.02695	.00042	.00013	.00023
#2	.00099	.00213	.00148	.02723	.00040	.00012	.00025
#3	.00102	.00210	.00147	.02738	.00040	.00008	.00019

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00509**	**.00031**	**.00019**	**.00049**	**.00000**	**.00043**	**.00136**
Stddev	.00015	.00001	.00001	.00001	.0000	.00000	.00001
%RSD	2.9153	2.1123	3.8945	1.5127	370.49	1.0204	.89850
#1	-.00495	.00031	.00020	.00050	-.00002	.00043	.00136
#2	-.00525	.00031	.00018	.00049	.00001	.00042	.00135
#3	-.00507	.00030	.00019	.00049	.00000	.00043	.00138

Approved: April 04, 2011

Sample Name: S2 Acquired: 4/1/2011 10:47:14 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02889**	**.00158**	**.00009**	**.01097**	**.00609**	**-.00090**
Stddev	.00016	.00001	.00001	.00011	.00002	.00012
%RSD	.55997	.47785	7.5180	.97526	.29884	13.180
#1	.02881	.00158	.00009	.01106	.00611	-.00102
#2	.02908	.00157	.00008	.01100	.00607	-.00088
#3	.02879	.00158	.00009	.01085	.00609	-.00079

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67841.**	**65629.**
Stddev	226.	353.
%RSD	.33371	.53775
#1	67591.	65562.
#2	67898.	65315.
#3	68033.	66011.

Approved: April 04, 2011

Sample Name: S3 Acquired: 4/1/2011 10:50:49 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.11085**	**.99500**	**.00741**	**.06835**	**.79172**	**.22121**	**.13957**
Stddev	.00049	.00315	.00003	.00017	.00278	.00050	.00045
%RSD	.44182	.31623	.45123	.24837	.35066	.22476	.32289
#1	.11127	.99359	.00738	.06821	.79288	.22168	.13971
#2	.11098	.99860	.00742	.06854	.79372	.22127	.13994
#3	.11031	.99280	.00745	.06831	.78855	.22069	.13907

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01863**	**.04538**	**.14024**	**.04026**	**.06748**	**.41513**	**.17162**
Stddev	.00003	.00005	.00039	.00008	.00038	.00090	.00032
%RSD	.17469	.10972	.28098	.21066	.56668	.21714	.18565
#1	.01862	.04534	.14022	.04024	.06769	.41561	.17153
#2	.01861	.04537	.14065	.04018	.06771	.41569	.17197
#3	.01867	.04544	.13986	.04035	.06704	.41409	.17135

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.04878**	**.09323**	**.08032**	**1.5077**	**.02947**	**.00010**	**.01824**
Stddev	.00019	.00008	.00004	.0027	.00003	.00001	.00006
%RSD	.39706	.09028	.04888	.17717	.09621	9.1106	.34013
#1	.04875	.09314	.08030	1.5076	.02946	.00009	.01817
#2	.04898	.09330	.08029	1.5104	.02950	.00011	.01824
#3	.04860	.09324	.08037	1.5051	.02944	.00009	.01829

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00503**	**.00361**	**.00015**	**.02244**	**.00414**	**.09561**	**.05544**
Stddev	.00003	.00002	.00001	.00010	.00001	.00028	.00010
%RSD	.55204	.43746	7.0665	.43683	.35588	.29612	.17222
#1	-.00505	.00362	.00015	.02236	.00414	.09552	.05533
#2	-.00504	.00363	.00016	.02241	.00412	.09538	.05551
#3	-.00500	.00360	.00014	.02255	.00415	.09592	.05549

Approved: April 04, 2011

Sample Name: S3 Acquired: 4/1/2011 10:50:49 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.3839**	**.10419**	**.00696**	**.54036**	**.29760**	**.00009**
Stddev	.0012	.00007	.00001	.00101	.00061	.00007
%RSD	.08863	.07156	.16686	.18739	.20442	78.295
#1	1.3841	.10428	.00694	.54014	.29740	.00002
#2	1.3850	.10415	.00697	.54146	.29828	.00009
#3	1.3826	.10414	.00696	.53947	.29711	.00016

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65850.**	**66441.**
Stddev	113.	361.
%RSD	.17224	.54259
#1	65924.	66128.
#2	65719.	66361.
#3	65907.	66836.

Approved: April 04, 2011

Sample Name: S4 Acquired: 4/1/2011 10:54:10 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22363**	**1.9617**	**.01527**	**.13707**	**1.6019**	**.45086**	**.28405**
Stddev	.00146	.0104	.00001	.00088	.0029	.00304	.00097
%RSD	.65103	.52825	.09705	.63915	.18366	.67517	.34126
#1	.22277	1.9609	.01526	.13683	1.6041	.45163	.28489
#2	.22281	1.9517	.01527	.13635	1.5986	.44750	.28299
#3	.22531	1.9724	.01528	.13805	1.6031	.45344	.28427

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03740**	**.09094**	**.28268**	**.08138**	**.13630**	**.84142**	**.34450**
Stddev	.00010	.00027	.00162	.00024	.00050	.00172	.00051
%RSD	.26363	.29295	.57180	.30087	.36932	.20485	.14833
#1	.03744	.09101	.28336	.08144	.13679	.84257	.34453
#2	.03729	.09064	.28084	.08111	.13578	.83944	.34397
#3	.03747	.09116	.28385	.08159	.13634	.84225	.34500

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.09746**	**.18710**	**.14503**	**2.9688**	**.05851**	**.00012**	**.03635**
Stddev	.00036	.00052	.00013	.0078	.00008	.00001	.00010
%RSD	.36783	.27544	.09030	.26442	.14285	7.7832	.26651
#1	.09772	.18727	.14516	2.9728	.05854	.00012	.03638
#2	.09705	.18653	.14503	2.9598	.05842	.00011	.03644
#3	.09761	.18752	.14490	2.9738	.05858	.00012	.03625

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00486**	**.00685**	**.00016**	**.04292**	**.00847**	**.00160**	**.10442**
Stddev	.00022	.00001	.00000	.00014	.00002	.00001	.00013
%RSD	4.5259	.08854	2.8315	.32396	.21535	.60130	.12143
#1	-.00489	.00685	.00017	.04282	.00847	.00161	.10438
#2	-.00463	.00684	.00017	.04287	.00845	.00159	.10432
#3	-.00506	.00685	.00016	.04308	.00849	.00160	.10456

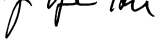
Approved: April 04, 2011

Sample Name: S4 Acquired: 4/1/2011 10:54:10 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1311) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.8062**	**.19746**	**.01375**	**1.0735**	**.59049**	**.00043**
Stddev	.0053	.00034	.00006	.0055	.00153	.00024
%RSD	.18914	.17380	.43333	.51061	.25907	55.763
#1	2.8100	.19756	.01369	1.0717	.59163	.00016
#2	2.8001	.19707	.01374	1.0691	.58875	.00052
#3	2.8085	.19774	.01381	1.0797	.59108	.00062

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64101.**	**65917.**
Stddev	158.	385.
%RSD	.24651	.58352
#1	64109.	65486.
#2	64256.	66226.
#3	63940.	66038.

Approved: April 04, 2011



Sample Name: ICV Acquired: 4/1/2011 10:57:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40859**	**10.060**	**.39859**	**.50075**	**.98677**	**.05046**	**9.9117**
Stddev	.00115	.017	.00276	.00115	.00079	.00014	.0187
%RSD	.28224	.17186	.69361	.23004	.07996	.27994	.18858
#1	.40876	10.080	.40151	.50094	.98768	.05062	9.9095
#2	.40965	10.050	.39825	.50180	.98639	.05040	9.8941
#3	.40736	10.051	.39601	.49951	.98625	.05036	9.9313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05010**	**.20226**	**.50063**	**.50149**	**3.9413**	**49.637**	**.99483**
Stddev	.00028	.00083	.00108	.00146	.0075	.028	.00361
%RSD	.56477	.41138	.21512	.29077	.18993	.05645	.36265
#1	.05037	.20312	.50187	.50288	3.9498	49.626	.99874
#2	.05012	.20221	.49997	.50162	3.9383	49.615	.99410
#3	.04980	.20145	.50005	.49998	3.9358	49.668	.99164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9185**	**.49794**	F **1.0663**	**50.952**	**.50455**	F **32.084**	**.50463**
Stddev	.0230	.00068	.0007	.161	.00116	18.509	.00117
%RSD	.23155	.13733	.06324	.31691	.22953	57.689	.23128
#1	9.9448	.49861	1.0656	50.892	.50551	15.747	.50574
#2	9.9083	.49724	1.0666	50.830	.50488	52.185	.50473
#3	9.9024	.49796	1.0669	51.135	.50326	28.319	.50342
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value			1.0000			10.000	
Range			5.0000%			5.0000%	

Approved: April 04, 2011

Sample Name: ICV Acquired: 4/1/2011 10:57:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-465.70**	**10.190**	F **28.084**	**1.2461**	**.40176**	F **15.099**	**1.0472**
Stddev	517.40	.012	16.131	.0042	.00146	.039	.0021
%RSD	111.10	.11642	57.440	.33509	.36396	.26097	.20469
#1	-564.11	10.177	20.352	1.2509	.40342	15.136	1.0487
#2	93.837	10.200	46.625	1.2438	.40121	15.104	1.0482
#3	-926.83	10.192	17.274	1.2436	.40065	15.058	1.0447
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-5.0000%		5.0000%			5.0000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99847**	**1.0379**	**.51106**	**1.0165**	**1.0107**	F **.94910**
Stddev	.00286	.0004	.00111	.0020	.0013	.08471
%RSD	.28656	.04267	.21751	.19511	.12328	8.9256
#1	.99685	1.0378	.51191	1.0180	1.0112	.87005
#2	.99678	1.0384	.51147	1.0173	1.0116	1.0385
#3	1.0018	1.0375	.50980	1.0143	1.0093	.93872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-5.0000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65075.**	**66926.**
Stddev	167.	341.
%RSD	.25636	.51005
#1	64936.	66542.
#2	65029.	67040.
#3	65260.	67195.

Approved: April 04, 2011

Sample Name: ICB Acquired: 4/1/2011 11:00:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00179**	**-.00036**	**.00119**	**.00002**	**.00001**	**-.00049**
Stddev	.00009	.00172	.00091	.00007	.00001	.00001	.00525
%RSD	42.200	96.029	252.00	6.1373	45.941	88.160	1073.3
#1	.00018	-.00019	-.00123	.00128	.00001	.00000	.00370
#2	.00033	.00261	.00058	.00116	.00003	.00001	.00121
#3	.00016	.00295	-.00043	.00114	.00002	.00001	-.00638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00008**	**-.00037**	**-.00009**	**-.00150**	**.06062**	**-.00111**
Stddev	.00003	.00007	.00021	.00038	.00125	.01552	.00140
%RSD	240.26	96.422	56.100	417.11	83.194	25.604	125.91
#1	-.00002	-.00015	-.00017	.00004	-.00294	.05030	-.00273
#2	.00002	-.00007	-.00058	.00021	-.00095	.05309	-.00030
#3	-.00004	.00000	-.00035	-.00053	-.00062	.07847	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01557**	**-.00007**	**.00033**	**.00452**	**-.00015**	F **13.869**	**-.00079**
Stddev	.00797	.00022	.00010	.00874	.00040	6.218	.00041
%RSD	51.168	300.62	30.934	193.44	266.45	44.834	52.015
#1	-.01384	-.00027	.00022	.01178	-.00061	17.871	-.00099
#2	-.00861	-.00012	.00036	-.00518	.00015	17.031	-.00106
#3	-.02426	.00017	.00041	.00695	.00001	6.7056	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.1000	
Low Limit						-1.0000	

Approved: April 04, 2011

Sample Name: ICB Acquired: 4/1/2011 11:00:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-228.22**	**-.01576**	F **-2.6842**	**-.00007**	**-.00203**	**.00358**	**-.00010**
Stddev	591.37	.03661	26.687	.00083	.00073	.00068	.00031
%RSD	259.12	232.25	994.21	1221.0	35.702	19.050	300.55
#1	-266.84	-.01248	-5.5946	.00067	-.00199	.00378	-.00035
#2	381.51	.01910	25.339	.00008	-.00133	.00414	-.00021
#3	-799.33	-.05391	-27.797	-.00096	-.00278	.00282	.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0400		1.0400				
Low Limit	-1.2000		-1.0400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00008**	**-.00073**	**.00001**	**.00071**	**-.06772**
Stddev	.00009	.00072	.00008	.00014	.00003	.05300
%RSD	215.25	935.04	11.047	1446.4	3.9428	78.273
#1	.00011	-.00034	-.00080	.00001	.00070	-.11504
#2	-.00006	.00091	-.00076	.00015	.00074	-.07768
#3	.00008	-.00034	-.00064	-.00014	.00068	-.01044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67031.**	**66069.**
Stddev	106.	358.
%RSD	.15800	.54239
#1	67114.	66284.
#2	67067.	66268.
#3	66912.	65655.

Approved: April 04, 2011

Sample Name: ICSA Acquired: 4/1/2011 11:04:33 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**228.70**	**-.00282**	**.03794**	**.00109**	**-.00003**	**241.07**
Stddev	.00051	2.35	.00156	.00067	.00005	.00001	.44
%RSD	174.72	1.0272	55.401	1.7534	4.3168	44.547	.18139
#1	.00002	226.37	-.00138	.03738	.00114	-.00002	241.37
#2	-.00087	231.07	-.00448	.03868	.00106	-.00004	240.57
#3	-.00001	228.66	-.00260	.03775	.00106	-.00003	241.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00118**	**.00005**	**-.00139**	F **.00936**	**96.862**	**.14315**	**.01047**
Stddev	.00015	.00009	.00022	.00039	.146	.02063	.00116
%RSD	13.141	162.62	16.075	4.1970	.15029	14.409	11.097
#1	.00108	.00015	-.00152	.00894	96.694	.16677	.01120
#2	.00136	-.00003	-.00151	.00971	96.945	.12870	.00913
#3	.00110	.00004	-.00113	.00943	96.947	.13398	.01108
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050			.00500			
Low Limit	-.00050			-.00500			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**249.92**	**-.00124**	**-.00015**	**.01156**	**-.00114**	F **-1219.5**	**-.00020**
Stddev	.66	.00033	.00013	.00120	.00019	7.7	.00097
%RSD	.26436	26.547	84.867	10.359	16.577	.62743	479.70
#1	250.44	-.00125	-.00003	.01205	-.00098	-1220.5	.00082
#2	249.17	-.00156	-.00014	.01243	-.00109	-1211.4	-.00111
#3	250.14	-.00090	-.00029	.01019	-.00135	-1226.6	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.50000	
Low Limit						-.50000	

Approved: April 04, 2011

Sample Name: ICSA Acquired: 4/1/2011 11:04:33 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-337.34**	F **229.86**	F **-182.22**	**.00139**	**-.00489**	**.01727**	**.00787**
Stddev	482.54	.53	35.00	.00126	.00251	.00335	.00029
%RSD	143.04	.23072	19.207	90.104	51.462	19.387	3.7387
#1	-59.749	229.25	-182.91	.00275	-.00391	.01424	.00790
#2	-894.53	230.15	-216.86	.00116	-.00300	.02086	.00757
#3	-57.741	230.19	-146.87	.00027	-.00774	.01671	.00815
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00588**	**-.00069**	**-.00018**	**-.00563**	F **-6.5789**
Stddev	.00003	.00060	.00077	.00032	.00012	.0928
%RSD	127.24	10.202	111.66	183.75	2.0538	1.4111
#1	-.00001	-.00656	-.00064	-.00026	-.00553	-6.4816
#2	.00000	-.00546	.00005	-.00045	-.00576	-6.5884
#3	-.00005	-.00560	-.00148	.00018	-.00559	-6.6666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61319.**	**65688.**
Stddev	133.	678.
%RSD	.21767	1.0317
#1	61453.	64946.
#2	61186.	66274.
#3	61318.	65843.

Approved: April 04, 2011

Sample Name: ICSAB Acquired: 4/1/2011 11:08:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51041**	**220.48**	**.24579**	**.03675**	**.24563**	**.26523**	**233.11**
Stddev	.00130	2.04	.00054	.00046	.00036	.00067	.76
%RSD	.25524	.92385	.22013	1.2560	.14854	.25167	.32726
#1	.51038	218.13	.24526	.03684	.24590	.26492	232.46
#2	.51173	221.74	.24634	.03716	.24577	.26600	233.95
#3	.50913	221.56	.24576	.03625	.24521	.26478	232.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46814**	**.24395**	**.24212**	**.25234**	**93.716**	**5.1442**	**.01135**
Stddev	.00205	.00061	.00076	.00131	.140	.0154	.00062
%RSD	.43888	.25044	.31257	.51717	.14897	.29886	5.5020
#1	.46655	.24379	.24197	.25131	93.625	5.1267	.01068
#2	.47046	.24462	.24295	.25381	93.876	5.1552	.01144
#3	.46742	.24343	.24146	.25189	93.646	5.1509	.01192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**241.99**	**.24322**	**-.00033**	**5.0778**	**.48568**	F **-1220.4**	**.48094**
Stddev	.52	.00021	.00005	.0164	.00207	53.9	.00225
%RSD	.21386	.08647	15.032	.32214	.42706	4.4147	.46681
#1	241.40	.24300	-.00027	5.0625	.48406	-1160.8	.47994
#2	242.21	.24325	-.00036	5.0951	.48802	-1265.7	.48352
#3	242.36	.24342	-.00036	5.0758	.48497	-1234.7	.47938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.50000	
Low Limit						-.50000	

Approved: April 04, 2011

Sample Name: ICSAB Acquired: 4/1/2011 11:08:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-708.30**	F **222.40**	F **-135.67**	**.52030**	**.24028**	**.01982**	**-.00547**
Stddev	393.58	.31	4.89	.00156	.00243	.00412	.00035
%RSD	55.568	.13999	3.6060	.29943	1.0118	20.792	6.4510
#1	-331.77	222.10	-133.39	.51973	.24308	.01931	-.00536
#2	-1117.0	222.72	-141.29	.52206	.23872	.01598	-.00519
#3	-676.16	222.39	-132.34	.51910	.23903	.02418	-.00587
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00628**	**.44915**	**.25091**	**.47073**	F **-6.3297**
Stddev	.00003	.00023	.00146	.00095	.00079	.2736
%RSD	20.996	3.6374	.32416	.37716	.16856	4.3229
#1	-.00012	-.00632	.44753	.25071	.46982	-6.0343
#2	-.00014	-.00603	.45033	.25194	.47130	-6.3800
#3	-.00018	-.00649	.44959	.25008	.47106	-6.5746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61682.**	**65903.**
Stddev	165.	67.
%RSD	.26713	.10175
#1	61843.	65900.
#2	61514.	65972.
#3	61689.	65838.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 11:11:38 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39400**	**9.8503**	**.38867**	**.49089**	**.96967**	**.04878**	**9.7012**
Stddev	.00149	.0238	.00167	.00161	.00211	.00017	.0199
%RSD	.37808	.24120	.43025	.32895	.21756	.34589	.20482
#1	.39522	9.8629	.38960	.49190	.97105	.04868	9.7067
#2	.39234	9.8652	.38674	.49174	.97072	.04870	9.6791
#3	.39445	9.8229	.38967	.48903	.96724	.04898	9.7177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04920**	**.19744**	**.48900**	**.49093**	**3.8946**	**48.694**	**.97699**
Stddev	.00005	.00042	.00135	.00165	.0124	.071	.00231
%RSD	.11069	.21243	.27679	.33571	.31702	.14482	.23621
#1	.04914	.19707	.48838	.49155	3.9062	48.663	.97962
#2	.04921	.19737	.48806	.48906	3.8961	48.644	.97605
#3	.04924	.19790	.49055	.49218	3.8816	48.774	.97530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8188**	**.48872**	**1.0493**	**49.766**	**.49608**	F **-.42794**	**.49695**
Stddev	.0147	.00163	.0006	.186	.00154	24.845	.00010
%RSD	.14939	.33436	.05372	.37430	.31042	5805.7	.02036
#1	9.8295	.48780	1.0487	49.706	.49491	-28.381	.49691
#2	9.8021	.48775	1.0494	49.616	.49551	19.137	.49707
#3	9.8248	.49061	1.0498	49.974	.49782	7.9609	.49689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 11:11:38 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **31.260**	**9.9764**	F **29.564**	**1.2170**	**.39281**	F **14.756**	**1.0240**
Stddev	167.80	.0261	16.815	.0005	.00181	.024	.0005
%RSD	536.80	.26189	56.876	.04244	.46010	.16194	.04861
#1	-151.42	9.9731	26.940	1.2175	.39463	14.736	1.0239
#2	66.658	10.004	14.216	1.2165	.39101	14.751	1.0237
#3	178.54	9.9520	47.537	1.2170	.39279	14.782	1.0246
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97262**	**1.0161**	**.50018**	**.99154**	**.99064**	**1.0419**
Stddev	.00217	.0006	.00210	.00050	.00073	.0289
%RSD	.22290	.05857	.42041	.05052	.07349	2.7734
#1	.97107	1.0160	.50216	.99168	.98987	1.0287
#2	.97170	1.0167	.49798	.99099	.99074	1.0751
#3	.97510	1.0155	.50042	.99196	.99131	1.0220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66386.**	**66804.**
Stddev	90.	313.
%RSD	.13543	.46899
#1	66465.	66644.
#2	66406.	67165.
#3	66288.	66604.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 11:14:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00460**	**-.00083**	**.00109**	**.00022**	**.00000**	**-.00066**
Stddev	.00008	.00114	.00035	.00022	.00007	.00001	.00174
%RSD	24.863	24.677	42.118	20.042	29.739	249.05	262.19
#1	-.00027	.00591	-.00096	.00128	.00015	.00000	.00116
#2	-.00041	.00383	-.00043	.00114	.00025	-.00001	-.00230
#3	-.00027	.00407	-.00108	.00085	.00027	.00001	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00009**	**.00031**	**.00026**	**-.00041**	**.05317**	**-.00023**
Stddev	.00004	.00017	.00014	.00011	.00173	.00555	.00143
%RSD	83.087	178.43	45.364	42.395	426.09	10.432	621.76
#1	-.00009	-.00015	.00041	.00019	-.00190	.05426	.00124
#2	-.00003	-.00022	.00015	.00039	-.00081	.05809	-.00031
#3	-.00001	.00009	.00037	.00020	.00149	.04716	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00612**	**.00036**	**.00047**	**.01066**	**-.00011**	F **15.237**	**-.00138**
Stddev	.00574	.00006	.00002	.00396	.00022	9.082	.00050
%RSD	93.710	16.411	3.4198	37.145	197.35	59.603	35.957
#1	-.00292	.00040	.00048	.00638	-.00023	25.719	-.00128
#2	-.00270	.00030	.00047	.01142	-.00024	10.281	-.00094
#3	-.01274	.00040	.00045	.01419	.00014	9.7119	-.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 11:14:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **236.68**	**.07703**	F **-2.4776**	**.00071**	**-.00098**	**.00358**	**.00170**
Stddev	131.22	.02205	9.8292	.00139	.00190	.00326	.00030
%RSD	55.444	28.627	396.72	196.09	193.40	91.294	17.823
#1	277.88	.09592	-5.1444	.00061	-.00057	.00691	.00140
#2	342.35	.08238	-10.698	.00214	-.00305	.00342	.00170
#3	89.795	.05280	8.4097	-.00063	.00068	.00039	.00201
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00070**	**.00044**	**.00015**	**.00032**	**-.09434**
Stddev	.00006	.00067	.00127	.00005	.00002	.14944
%RSD	23.029	95.283	288.98	32.822	6.6929	158.41
#1	.00030	-.00130	.00064	.00020	.00035	-.25035
#2	.00024	-.00082	-.00092	.00010	.00031	-.08021
#3	.00019	.00002	.00159	.00014	.00032	.04753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67344.**	**66546.**
Stddev	394.	77.
%RSD	.58545	.11585
#1	67078.	66476.
#2	67157.	66628.
#3	67797.	66532.

Approved: April 04, 2011

Sample Name: PBS 08 Acquired: 4/1/2011 11:18:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00537**	**-.00343**	**-.00021**	**.00253**	**.00002**	**.05226**
Stddev	.00035	.00169	.00043	.00061	.00012	.00000	.00264
%RSD	141.22	31.500	12.657	290.16	4.9131	13.812	5.0533
#1	.00066	.00576	-.00298	-.00015	.00256	.00002	.05095
#2	.00001	.00352	-.00345	.00037	.00240	.00002	.05053
#3	.00009	.00683	-.00385	-.00085	.00264	.00002	.05530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00048**	**.00133**	**.00139**	**.03062**	**.52401**	**-.00167**
Stddev	.00006	.00004	.00026	.00019	.00267	.01598	.00056
%RSD	26.404	8.0411	19.482	13.377	8.7334	3.0488	33.319
#1	.00030	-.00045	.00111	.00128	.02936	.51365	-.00182
#2	.00025	-.00047	.00162	.00129	.03369	.54241	-.00106
#3	.00017	-.00052	.00127	.00161	.02881	.51598	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**.00058**	**.00064**	**.04519**	**.00080**	**143.73**	**-.00035**
Stddev	.00367	.00027	.00014	.00406	.00024	10.14	.00014
%RSD	108.10	47.129	21.761	8.9946	29.763	7.0572	40.640
#1	.00502	.00034	.00065	.04740	.00069	145.33	-.00025
#2	.00597	.00088	.00050	.04050	.00064	152.98	-.00028
#3	-.00081	.00052	.00078	.04768	.00108	132.88	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 04, 2011

Sample Name: PBS 08 Acquired: 4/1/2011 11:18:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-409.56**	F **12.813**	F **-6516.0**	**.00338**	**.00114**	**.06781**	**-.00452**
Stddev	331.89	.082	28.5	.00226	.00075	.00289	.00009
%RSD	81.036	.63765	.43670	66.991	65.556	4.2646	2.0608
#1	-759.60	12.742	-6488.1	.00434	.00200	.06847	-.00460
#2	-99.444	12.902	-6544.9	.00499	.00082	.07032	-.00454
#3	-369.62	12.795	-6515.0	.00079	.00061	.06465	-.00442
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00003**	**-.00197**	**.00007**	**.00394**	F **-.24189**
Stddev	.00003	.00041	.00040	.00024	.00007	.07661
%RSD	7.9998	1518.1	20.339	328.70	1.6796	31.671
#1	.00035	-.00042	-.00220	-.00006	.00387	-.19286
#2	.00041	.00038	-.00151	.00035	.00401	-.33017
#3	.00036	.00012	-.00220	-.00007	.00395	-.20264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66481.**	**65913.**
Stddev	175.	361.
%RSD	.26294	.54784
#1	66308.	66322.
#2	66477.	65775.
#3	66658.	65640.

Approved: April 04, 2011

Sample Name: LCSS 08 Acquired: 4/1/2011 11:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19425**	**4.7118**	**.18741**	**.88606**	**.49336**	**.02468**	**4.9206**
Stddev	.00024	.0196	.00115	.00210	.00067	.00005	.0143
%RSD	.12131	.41684	.61329	.23668	.13607	.19462	.29062
#1	.19434	4.6943	.18733	.88364	.49343	.02467	4.9097
#2	.19399	4.7081	.18860	.88735	.49399	.02465	4.9368
#3	.19443	4.7331	.18630	.88719	.49265	.02474	4.9153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02398**	**.10162**	**.25361**	**.24674**	**2.0164**	**24.558**	**.49354**
Stddev	.00013	.00013	.00111	.00065	.0081	.074	.00201
%RSD	.54513	.12362	.43914	.26520	.40174	.30238	.40720
#1	.02405	.10148	.25287	.24611	2.0088	24.480	.49123
#2	.02405	.10167	.25306	.24742	2.0155	24.566	.49493
#3	.02383	.10172	.25489	.24671	2.0249	24.628	.49445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9915**	**.24944**	**.54197**	**25.277**	**.25318**	F **-91.455**	**.24885**
Stddev	.0162	.00080	.00078	.057	.00033	18.738	.00062
%RSD	.32519	.32151	.14450	.22450	.12843	20.489	.24905
#1	4.9738	.24941	.54278	25.215	.25353	-86.855	.24953
#2	5.0057	.25025	.54190	25.292	.25288	-75.446	.24833
#3	4.9950	.24865	.54122	25.325	.25313	-112.07	.24868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS 08 Acquired: 4/1/2011 11:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-81.168**	**5.2360**	F **-73.771**	**.59206**	**.18401**	**7.4136**	**.50761**
Stddev	718.21	.0220	7.782	.00216	.00155	.0094	.00145
%RSD	884.84	.42036	10.548	.36421	.84197	.12663	.28532
#1	-905.32	5.2155	-76.363	.58957	.18252	7.4063	.50598
#2	250.83	5.2331	-65.024	.59339	.18561	7.4242	.50872
#3	410.98	5.2593	-79.925	.59322	.18390	7.4103	.50814
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49358**	**.51762**	**.24648**	**.51460**	**.49754**	**.55036**
Stddev	.00115	.00161	.00050	.00161	.00039	.18222
%RSD	.23253	.31099	.20352	.31198	.07837	33.109
#1	.49228	.51690	.24594	.51281	.49710	.76056
#2	.49445	.51650	.24656	.51593	.49770	.45344
#3	.49401	.51946	.24694	.51505	.49783	.43708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65092.**	**65579.**
Stddev	52.	244.
%RSD	.07952	.37268
#1	65110.	65387.
#2	65033.	65854.
#3	65132.	65495.

Approved: April 04, 2011

Sample Name: L11030103001 Acquired: 4/1/2011 11:25:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01949**	**272.86**	**.08246**	**.25201**	**.88046**	**.00480**	**1.7981**
Stddev	.00017	1.37	.00207	.00066	.00397	.00002	.0106
%RSD	.87561	.50234	2.5139	.26288	.45034	.39267	.58796
#1	.01930	272.15	.08429	.25177	.87588	.00479	1.7864
#2	.01962	271.98	.08021	.25275	.88273	.00479	1.8008
#3	.01956	274.44	.08288	.25149	.88276	.00482	1.8070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**.14958**	**.20969**	**.29627**	**643.35**	**9.5184**	**.05014**
Stddev	.00006	.00001	.00022	.00080	2.26	.0585	.00133
%RSD	2.0092	.00671	.10544	.26881	.35137	.61456	2.6619
#1	.00310	.14959	.20971	.29672	643.28	9.4585	.04871
#2	.00310	.14959	.20946	.29535	645.64	9.5753	.05135
#3	.00299	.14957	.20990	.29675	641.12	9.5213	.05036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.6337**	**4.0048**	**.00925**	**.56657**	**.10829**	F **148090.**	**.20325**
Stddev	.0647	.0218	.00012	.00469	.00047	181.	.00142
%RSD	.74944	.54478	1.3064	.82798	.43282	.12237	.69709
#1	8.5845	3.9838	.00936	.56304	.10814	148100.	.20183
#2	8.6096	4.0033	.00912	.57189	.10791	148270.	.20467
#3	8.7070	4.0273	.00926	.56478	.10881	147910.	.20324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103001 Acquired: 4/1/2011 11:25:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1339.3**	F **40.467**	F **-19189.**	**.00039**	**-.00046**	**7.9455**	**.01567**
Stddev	206.8	.163	16.	.00095	.00156	.0163	.00057
%RSD	15.437	.40189	.08205	242.87	341.46	.20533	3.6542
#1	-1101.5	40.341	-19174.	-.00043	.00125	7.9486	.01617
#2	-1476.7	40.408	-19205.	.00017	-.00079	7.9600	.01580
#3	-1439.7	40.650	-19188.	.00144	-.00183	7.9279	.01504
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03021**	**2.3005**	**.03903**	**1.3584**	**.37521**	F **164.57**
Stddev	.00008	.0076	.00093	.0044	.00081	.40
%RSD	.26366	.33202	2.3777	.32089	.21685	.24514
#1	.03019	2.2925	.03913	1.3628	.37552	164.70
#2	.03014	2.3013	.03990	1.3582	.37583	164.90
#3	.03029	2.3077	.03805	1.3541	.37429	164.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64826.**	**68211.**
Stddev	117.	370.
%RSD	.17985	.54279
#1	64820.	68544.
#2	64713.	68276.
#3	64946.	67812.

Approved: April 04, 2011

Sample Name: L11030103001PS Acquired: 4/1/2011 11:29:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20470**	**251.21**	**.25300**	**1.0518**	**1.2675**	**.02819**	**6.3265**
Stddev	.00058	3.20	.00093	.0118	.0038	.00005	.0268
%RSD	.28182	1.2752	.36800	1.1225	.29981	.17596	.42324
#1	.20403	248.27	.25247	1.0422	1.2695	.02815	6.3338
#2	.20499	254.62	.25407	1.0650	1.2631	.02824	6.2968
#3	.20507	250.73	.25245	1.0483	1.2699	.02817	6.3488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02544**	**.22676**	**.42003**	**.48313**	**589.23**	**32.118**	**.51384**
Stddev	.00010	.00013	.00144	.00207	14.49	.140	.00195
%RSD	.39711	.05887	.34394	.42828	2.4587	.43534	.37981
#1	.02545	.22663	.41839	.48278	577.14	32.224	.51570
#2	.02553	.22690	.42112	.48126	605.29	31.960	.51181
#3	.02533	.22676	.42058	.48535	585.26	32.171	.51402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.546**	**3.8690**	**.50482**	**24.557**	**.32584**	F **134380.**	**.40192**
Stddev	.050	.0174	.00125	.178	.00058	117.	.00134
%RSD	.39516	.45028	.24713	.72326	.17660	.08694	.33337
#1	12.579	3.8804	.50601	24.686	.32590	134250.	.40259
#2	12.489	3.8490	.50491	24.354	.32524	134470.	.40037
#3	12.570	3.8776	.50352	24.630	.32639	134420.	.40278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103001PS Acquired: 4/1/2011 11:29:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1318.6**	F **41.136**	F **-17531.**	**.54091**	**.17284**	**13.926**	**.01433**
Stddev	139.3	.117	50.	.00165	.00059	.034	.00046
%RSD	10.567	.28333	.28387	.30434	.34152	.24635	3.1754
#1	-1208.3	41.006	-17540.	.54275	.17254	13.958	.01402
#2	-1475.2	41.170	-17576.	.53959	.17352	13.930	.01485
#3	-1272.3	41.231	-17477.	.54037	.17245	13.890	.01412
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49580**	**2.5779**	**.25092**	**1.6992**	**.80479**	F **149.28**
Stddev	.00288	.0127	.00067	.0046	.00130	.33
%RSD	.58155	.49275	.26842	.27022	.16130	.22120
#1	.49858	2.5883	.25086	1.6941	.80503	149.08
#2	.49282	2.5637	.25028	1.7032	.80595	149.66
#3	.49600	2.5816	.25162	1.7002	.80339	149.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64693.**	**67391.**
Stddev	56.	448.
%RSD	.08595	.66542
#1	64756.	66916.
#2	64652.	67808.
#3	64671.	67449.

Approved: April 04, 2011

Sample Name: L11030103002 Acquired: 4/1/2011 11:32:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**218.28**	**.07882**	**.21202**	**.63781**	**.01888**	**2.5648**
Stddev	.00022	.78	.00094	.00235	.00105	.00007	.0035
%RSD	15.064	.35867	1.1982	1.1070	.16427	.36278	.13520
#1	-.00160	219.15	.07805	.21158	.63661	.01881	2.5609
#2	-.00164	217.62	.07853	.21455	.63829	.01890	2.5676
#3	-.00123	218.07	.07987	.20992	.63854	.01894	2.5657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00266**	**.16749**	**.38952**	**.22329**	**517.41**	**7.6729**	**.09940**
Stddev	.00006	.00065	.00113	.00125	3.33	.0508	.00010
%RSD	2.1263	.38611	.29060	.55987	.64326	.66160	.10365
#1	.00268	.16740	.38946	.22473	514.51	7.6219	.09952
#2	.00270	.16689	.38842	.22267	521.04	7.6733	.09936
#3	.00260	.16817	.39068	.22248	516.69	7.7234	.09933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5666**	**5.8033**	**.00046**	**16.284**	**.23439**	F **106920.**	**.07506**
Stddev	.0565	.0133	.00016	.023	.00032	114.	.00227
%RSD	.65928	.22880	35.076	.13863	.13790	.10647	3.0269
#1	8.5044	5.7892	.00061	16.258	.23403	106880.	.07247
#2	8.5808	5.8052	.00047	16.294	.23463	106830.	.07597
#3	8.6146	5.8155	.00029	16.299	.23453	107050.	.07674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103002 Acquired: 4/1/2011 11:32:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3203.4**	F **16.524**	F **-6598.0**	**.00148**	**-.00363**	**4.9725**	**.00407**
Stddev	285.5	.126	28.6	.00074	.00038	.0062	.00004
%RSD	8.9132	.76088	.43286	50.057	10.415	.12419	1.0419
#1	-3376.0	16.551	-6612.6	.00074	-.00384	4.9762	.00409
#2	-2873.8	16.387	-6565.1	.00223	-.00385	4.9760	.00402
#3	-3360.4	16.635	-6616.3	.00147	-.00319	4.9654	.00409
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06634**	**.50401**	**-.00100**	**.36877**	**.40800**	F **323.13**
Stddev	.00007	.00138	.00086	.00219	.00103	.90
%RSD	.10498	.27340	86.467	.59365	.25202	.27936
#1	.06626	.50560	-.00092	.36644	.40697	323.15
#2	.06640	.50319	-.00190	.36907	.40801	322.22
#3	.06637	.50323	-.00018	.37079	.40903	324.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74728.**	**78419.**
Stddev	143.	467.
%RSD	.19077	.59505
#1	74808.	78947.
#2	74812.	78060.
#3	74563.	78250.

Approved: April 04, 2011

Sample Name: L11030103003 Acquired: 4/1/2011 11:36:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**133.59**	**.03685**	**.15435**	**.36695**	**.01780**	**5.7640**
Stddev	.00030	1.78	.00126	.00048	.00302	.00006	.0525
%RSD	20.493	1.3323	3.4156	.30920	.82384	.34218	.91031
#1	-.00124	133.65	.03543	.15385	.36360	.01773	5.7042
#2	-.00180	131.79	.03780	.15479	.36949	.01783	5.7857
#3	-.00133	135.35	.03734	.15442	.36774	.01784	5.8022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00177**	**.08690**	**.06918**	**.04932**	**377.96**	**5.3371**	**.02095**
Stddev	.00005	.00024	.00043	.00074	1.42	.0205	.00127
%RSD	2.6905	.27106	.61891	1.4988	.37592	.38326	6.0658
#1	.00178	.08667	.06869	.04848	376.55	5.3135	.02038
#2	.00181	.08687	.06939	.04959	379.39	5.3502	.02007
#3	.00171	.08714	.06947	.04988	377.94	5.3475	.02241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3300**	**8.5391**	**-.00027**	**10.026**	**.13157**	F **81400.**	**.02476**
Stddev	.0353	.0162	.00026	.013	.00062	202.	.00165
%RSD	.66312	.18950	96.034	.13169	.47009	.24864	6.6438
#1	5.2965	8.5206	.00002	10.014	.13122	81256.	.02291
#2	5.3669	8.5503	-.00047	10.023	.13122	81313.	.02603
#3	5.3266	8.5464	-.00037	10.040	.13229	81631.	.02536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103003 Acquired: 4/1/2011 11:36:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-983.52**	F **14.316**	F **-3997.3**	**-.00097**	**.00041**	**6.3279**	**.00268**
Stddev	536.41	.147	31.7	.00049	.00258	.0475	.00027
%RSD	54.540	1.0277	.79357	50.097	622.52	.75085	10.172
#1	-366.64	14.184	-3961.7	-.00046	-.00234	6.3740	.00245
#2	-1340.2	14.288	-4007.7	-.00103	.00081	6.3306	.00298
#3	-1243.7	14.474	-4022.6	-.00143	.00277	6.2791	.00260
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06405**	**.10355**	**.00025**	**.20847**	**.22834**	F **279.67**
Stddev	.00022	.00113	.00122	.00039	.00047	.22
%RSD	.33940	1.0943	483.28	.18877	.20566	.07756
#1	.06389	.10445	.00093	.20832	.22780	279.88
#2	.06396	.10228	.00098	.20816	.22861	279.45
#3	.06430	.10393	-.00115	.20891	.22862	279.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69266.**	**70496.**
Stddev	213.	370.
%RSD	.30800	.52510
#1	69475.	70493.
#2	69273.	70127.
#3	69048.	70868.

Approved: April 04, 2011

Sample Name: L11030103004 Acquired: 4/1/2011 11:40:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03098**	**225.45**	**.03934**	**.31876**	**.75657**	^ *****	**3.5839**
Stddev	.00032	1.14	.00117	.00473	.00062	-----	.0154
%RSD	1.0483	.50598	2.9866	1.4844	.08211	-----	.43045
#1	.03134	226.76	.03798	.32389	.75617	^ -----	3.5808
#2	.03073	224.67	.04004	.31780	.75626	^ -----	3.6007
#3	.03086	224.91	.04000	.31457	.75729	^ -----	3.5703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.15074**	**.30687**	**.26995**	**842.49**	**14.921**	**.07752**
Stddev	.00008	.00069	.00163	.00563	6.90	.023	.00105
%RSD	2.9051	.46034	.53156	2.0864	.81866	.15721	1.3518
#1	.00292	.15154	.30499	.27510	849.78	14.894	.07675
#2	.00285	.15027	.30772	.27083	841.63	14.939	.07872
#3	.00276	.15042	.30789	.26394	836.07	14.930	.07710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.044**	**3.1057**	**.00359**	**.50573**	**.13331**	F **67101.**	**.11073**
Stddev	.054	.0026	.00009	.00304	.00072	124.	.00077
%RSD	.38208	.08507	2.4363	.60034	.54203	.18541	.69394
#1	14.066	3.1049	.00368	.50268	.13275	67241.	.11047
#2	13.983	3.1087	.00351	.50575	.13306	67057.	.11013
#3	14.084	3.1036	.00358	.50875	.13413	67004.	.11160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103004 Acquired: 4/1/2011 11:40:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1862.3**	F **48.987**	F **-22476.**	**-.00484**	**-.00189**	**6.9071**	**.01667**
Stddev	86.9	.373	69.	.00121	.00340	.0433	.00003
%RSD	4.6664	.76213	.30742	24.973	180.21	.62699	.18579
#1	-1803.0	49.389	-22553.	-.00394	-.00209	6.9539	.01666
#2	-1962.1	48.920	-22457.	-.00621	-.00518	6.8991	.01670
#3	-1821.9	48.651	-22418.	-.00436	.00161	6.8684	.01664
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03281**	**4.6091**	**.03205**	**.93934**	**.45774**	F **106.45**
Stddev	.00009	.0088	.00093	.00171	.00038	.65
%RSD	.27367	.19101	2.9040	.18216	.08361	.60794
#1	.03275	4.6013	.03134	.93758	.45813	105.74
#2	.03291	4.6186	.03311	.93944	.45736	107.00
#3	.03276	4.6073	.03172	.94100	.45773	106.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65920.**	**69789.**
Stddev	182.	349.
%RSD	.27620	.49936
#1	65711.	69420.
#2	66046.	69835.
#3	66002.	70113.

Approved: April 04, 2011

Sample Name: L11030103001SDL Acquired: 4/1/2011 11:43:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360505-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00403**	**68.498**	**.01894**	**.05300**	**.17865**	**.00096**	**.34753**
Stddev	.00024	.151	.00137	.00167	.00346	.00000	.00473
%RSD	5.8609	.22021	7.2533	3.1540	1.9363	.49822	1.3600
#1	.00418	68.358	.01771	.05110	.17465	.00096	.35109
#2	.00416	68.657	.01869	.05368	.18063	.00096	.34217
#3	.00376	68.478	.02042	.05423	.18065	.00095	.34934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.03282**	**.04305**	**.06421**	**138.57**	**2.0109**	**.00894**
Stddev	.00008	.00028	.00024	.00074	2.52	.0385	.00158
%RSD	14.782	.86095	.56709	1.1584	1.8219	1.9162	17.722
#1	.00061	.03255	.04331	.06342	135.66	1.9746	.00750
#2	.00047	.03280	.04283	.06432	140.22	2.0514	.01064
#3	.00062	.03311	.04302	.06490	139.82	2.0068	.00867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8597**	**.84042**	**.00175**	**.10738**	**.02384**	F **33248.**	**.04252**
Stddev	.0323	.01427	.00018	.00855	.00014	189.	.00143
%RSD	1.7382	1.6978	10.029	7.9592	.59170	.56829	3.3681
#1	1.8264	.82415	.00190	.10589	.02374	33047.	.04342
#2	1.8616	.85081	.00156	.09967	.02400	33276.	.04328
#3	1.8909	.84630	.00180	.11657	.02377	33422.	.04087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103001SDL Acquired: 4/1/2011 11:43:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360505-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **594.58**	F **9.0782**	F **-4288.5**	**-.00062**	**-.00075**	**1.7998**	**-.00115**
Stddev	347.68	.0829	28.5	.00120	.00102	.0181	.00008
%RSD	58.475	.91281	.66342	194.98	136.96	1.0028	7.1759
#1	312.62	8.9882	-4280.5	.00055	.00024	1.7963	-.00123
#2	983.07	9.0950	-4264.8	-.00185	-.00068	1.8193	-.00116
#3	488.06	9.1514	-4320.1	-.00054	-.00180	1.7837	-.00106
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00620**	**.47495**	**.00930**	**.27990**	**.08166**	**30.864**
Stddev	.00010	.00628	.00140	.00051	.00047	.210
%RSD	1.5841	1.3231	15.015	.18148	.57942	.68129
#1	.00608	.46772	.01079	.27938	.08115	30.961
#2	.00624	.47911	.00909	.28039	.08174	30.622
#3	.00626	.47801	.00802	.27994	.08208	31.008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67935.**	**68061.**
Stddev	329.	558.
%RSD	.48474	.81997
#1	68308.	68679.
#2	67810.	67595.
#3	67686.	67909.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 11:47:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40684**	**9.9974**	**.39814**	**.49906**	**.97712**	**.04987**	**9.7833**
Stddev	.00068	.0262	.00173	.00124	.00127	.00016	.0320
%RSD	.16828	.26164	.43458	.24767	.13005	.32429	.32720
#1	.40658	10.014	.39860	.49832	.97566	.05001	9.7467
#2	.40633	9.9672	.39623	.49838	.97773	.04969	9.7973
#3	.40762	10.011	.39959	.50049	.97797	.04992	9.8060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05043**	**.20319**	**.49684**	**.50435**	**3.9799**	**49.126**	**.98744**
Stddev	.00012	.00085	.00202	.00212	.0132	.122	.00440
%RSD	.23817	.41856	.40588	.42075	.33066	.24842	.44595
#1	.05048	.20303	.49887	.50269	3.9736	48.987	.98252
#2	.05029	.20243	.49483	.50363	3.9950	49.175	.98879
#3	.05051	.20411	.49683	.50674	3.9710	49.215	.99100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.011**	**.49781**	**1.0577**	**50.326**	**.50692**	F **24.211**	**.50621**
Stddev	.034	.00287	.0005	.205	.00097	22.370	.00196
%RSD	.33905	.57660	.04524	.40829	.19231	92.395	.38799
#1	9.9809	.49485	1.0573	50.089	.50599	30.189	.50557
#2	10.004	.49800	1.0582	50.436	.50683	42.985	.50464
#3	10.048	.50058	1.0575	50.454	.50794	-.54041	.50841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 11:47:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **426.45**	**10.304**	F **2.6766**	**1.2344**	**.39982**	F **14.983**	**1.0485**
Stddev	347.06	.011	7.5063	.0034	.00208	.031	.0019
%RSD	81.383	.11042	280.44	.27394	.51954	.20629	.18245
#1	90.065	10.311	-1.3587	1.2310	.39963	14.961	1.0481
#2	406.01	10.291	11.337	1.2345	.39784	14.970	1.0468
#3	783.27	10.311	-1.9488	1.2377	.40198	15.018	1.0506
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98047**	**1.0315**	**.51055**	**1.0157**	**1.0167**	F **2.1000**
Stddev	.00295	.0032	.00092	.0013	.0010	.2283
%RSD	.30076	.31347	.18079	.12493	.09899	10.870
#1	.97709	1.0277	.51082	1.0142	1.0170	1.9932
#2	.98180	1.0334	.50952	1.0165	1.0156	1.9447
#3	.98251	1.0332	.51130	1.0164	1.0176	2.3621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65446.**	**65895.**
Stddev	62.	380.
%RSD	.09449	.57598
#1	65428.	66267.
#2	65514.	65909.
#3	65394.	65509.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 11:50:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.02498**	**-.00048**	**.00142**	**.00011**	**.00002**	**-.00455**
Stddev	.00025	.00761	.00035	.00060	.00008	.00001	.00381
%RSD	95.665	30.464	72.789	42.340	73.112	36.919	83.859
#1	-.00038	.02468	-.00079	.00197	.00002	.00002	-.00170
#2	-.00044	.03274	-.00010	.00078	.00018	.00004	-.00306
#3	.00003	.01753	-.00055	.00152	.00014	.00002	-.00888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00000**	**.00022**	**.00065**	**.00613**	**.07123**	**-.00145**
Stddev	.00002	.0001	.00047	.00019	.00036	.00872	.00236
%RSD	15.041	3651.9	211.09	29.247	5.9106	12.238	162.82
#1	-.00010	.00000	.00065	.00043	.00651	.07516	-.00333
#2	-.00013	-.00009	.00030	.00075	.00607	.07729	.00120
#3	-.00011	.00008	-.00028	.00076	.00580	.06124	-.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00998**	**.00038**	**.00041**	**.01378**	**-.00007**	F **45.214**	**-.00026**
Stddev	.00584	.00012	.00008	.00233	.00015	3.685	.00097
%RSD	58.574	30.990	18.395	16.885	217.68	8.1501	371.41
#1	-.01065	.00044	.00040	.01476	.00000	49.026	-.00128
#2	-.00383	.00025	.00049	.01112	-.00024	41.671	-.00014
#3	-.01545	.00046	.00034	.01546	.00004	44.944	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 11:50:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1521.5**	**.06588**	F **-48.300**	**.00061**	**-.00190**	**.00502**	**.00193**
Stddev	437.4	.02547	7.490	.00059	.00067	.00130	.00014
%RSD	28.751	38.659	15.508	96.467	35.110	25.895	7.3381
#1	1430.9	.09191	-40.782	.00114	-.00230	.00608	.00206
#2	1136.5	.04101	-55.763	-.00002	-.00228	.00357	.00197
#3	1997.2	.06472	-48.355	.00070	-.00113	.00541	.00178
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00055**	**-.00039**	**.00049**	**.00047**	**-.09796**
Stddev	.00005	.00074	.00073	.00019	.00005	.04694
%RSD	40.180	135.62	188.06	38.439	10.673	47.916
#1	.00010	-.00067	-.00049	.00028	.00051	-.11259
#2	.00009	.00025	.00039	.00064	.00041	-.04545
#3	.00018	-.00122	-.00106	.00054	.00048	-.13585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67242.**	**66221.**
Stddev	108.	332.
%RSD	.16026	.50150
#1	67124.	65992.
#2	67266.	66602.
#3	67336.	66069.

Approved: April 04, 2011

Sample Name: L11030103004S Acquired: 4/1/2011 11:54:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22295**	**246.11**	**.20316**	**1.0118**	**1.3015**	**.02452**	**8.5812**
Stddev	.00126	1.02	.00214	.0029	.0012	.00005	.0080
%RSD	.56339	.41588	1.0533	.28586	.08966	.21033	.09328
#1	.22185	245.62	.20368	1.0146	1.3027	.02448	8.5828
#2	.22269	245.43	.20081	1.0088	1.3003	.02451	8.5725
#3	.22432	247.29	.20499	1.0120	1.3015	.02458	8.5883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02477**	**.23357**	**.52065**	**.45620**	**745.71**	**40.305**	**.54759**
Stddev	.00017	.00109	.00159	.00523	4.44	.041	.00079
%RSD	.68880	.46575	.30560	1.1454	.59535	.10100	.14442
#1	.02495	.23346	.52083	.45454	750.68	40.287	.54848
#2	.02461	.23253	.51897	.45200	744.29	40.276	.54734
#3	.02477	.23470	.52214	.46205	742.15	40.351	.54696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.597**	**3.4108**	**.48215**	**23.582**	**.36708**	F **67628.**	**.33192**
Stddev	.124	.0151	.00082	.068	.00087	189.	.00100
%RSD	.57491	.44230	.17092	.28716	.23662	.27977	.30126
#1	21.469	3.3957	.48240	23.549	.36672	67578.	.33131
#2	21.603	3.4109	.48282	23.536	.36645	67469.	.33308
#3	21.717	3.4258	.48123	23.659	.36807	67838.	.33138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103004S Acquired: 4/1/2011 11:54:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1505.2**	F **52.189**	F **-21985.**	**.51621**	**.14495**	**13.861**	**.47494**
Stddev	469.9	.442	74.	.00237	.00123	.024	.00105
%RSD	31.222	.84607	.33690	.46007	.84539	.17548	.22205
#1	-2014.5	52.103	-21947.	.51360	.14567	13.851	.47451
#2	-1088.4	51.797	-21939.	.51824	.14353	13.844	.47416
#3	-1412.6	52.667	-22071.	.51678	.14564	13.889	.47614
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48572**	**6.6245**	**.24056**	**1.4435**	**.94515**	F **116.86**
Stddev	.00097	.0126	.00269	.0062	.00254	.16
%RSD	.20009	.19003	1.1201	.42654	.26888	.14037
#1	.48593	6.6146	.23791	1.4398	.94467	116.72
#2	.48466	6.6202	.24049	1.4402	.94289	116.81
#3	.48657	6.6387	.24330	1.4506	.94790	117.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65149.**	**68386.**
Stddev	212.	160.
%RSD	.32472	.23366
#1	65058.	68208.
#2	65391.	68429.
#3	64999.	68519.

Approved: April 04, 2011

Sample Name: L11030103004SD Acquired: 4/1/2011 11:57:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22960**	**264.11**	**.21049**	**1.0552**	**1.3224**	**.02489**	**8.3969**
Stddev	.00077	3.04	.00151	.0103	.0159	.00009	.0927
%RSD	.33573	1.1516	.71777	.97776	1.2020	.38005	1.1040
#1	.23049	260.96	.20878	1.0670	1.3402	.02488	8.4807
#2	.22918	264.34	.21165	1.0485	1.3176	.02499	8.4128
#3	.22913	267.02	.21104	1.0499	1.3095	.02481	8.2973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02528**	**.37069**	**.51737**	**.48992**	**823.99**	**40.515**	**.56197**
Stddev	.00011	.00153	.00383	.00350	18.68	.412	.00433
%RSD	.41584	.41370	.74036	.71471	2.2667	1.0174	.77035
#1	.02540	.36908	.51338	.48597	845.46	40.974	.56691
#2	.02521	.37087	.52101	.49114	811.54	40.393	.56017
#3	.02522	.37213	.51773	.49265	814.96	40.177	.55884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.097**	**6.0867**	**.48818**	**24.102**	**.37776**	F **76717.**	**.41191**
Stddev	.162	.0549	.00051	.211	.00060	86.	.00201
%RSD	.77011	.90139	.10443	.87455	.15819	.11179	.48721
#1	21.282	6.1494	.48811	24.310	.37714	76625.	.41335
#2	21.033	6.0629	.48872	24.107	.37833	76795.	.41275
#3	20.977	6.0477	.48771	23.888	.37783	76731.	.40962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L11030103004SD Acquired: 4/1/2011 11:57:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360488-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1664.2**	F **54.372**	F **-23076.**	**.52242**	**.15147**	**14.858**	**.43858**
Stddev	410.8	.309	32.	.00200	.00136	.031	.00058
%RSD	24.684	.56831	.13958	.38270	.89539	.21052	.13247
#1	-1256.1	54.027	-23039.	.52017	.15013	14.856	.43916
#2	-2077.6	54.463	-23088.	.52310	.15146	14.891	.43799
#3	-1658.8	54.625	-23100.	.52400	.15284	14.828	.43859
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49692**	**7.4826**	**.24025**	**1.5763**	**.96616**	F **126.60**
Stddev	.00508	.0786	.00143	.0005	.00117	.52
%RSD	1.0230	1.0505	.59382	.03390	.12124	.40713
#1	.50233	7.5720	.24091	1.5763	.96487	126.01
#2	.49618	7.4515	.23862	1.5758	.96714	126.85
#3	.49225	7.4242	.24123	1.5769	.96649	126.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65155.**	**68505.**
Stddev	89.	632.
%RSD	.13617	.92187
#1	65256.	67784.
#2	65115.	68770.
#3	65093.	68961.

Approved: April 04, 2011

Sample Name: LRC Acquired: 4/1/2011 12:01:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**563.01**	**-.00382**	**.00237**	**-.00019**	**-.00005**	**-.00941**
Stddev	.00014	1.27	.00108	.00034	.00026	.00000	.00175
%RSD	146.45	.22602	28.350	14.234	134.66	7.9503	18.572
#1	-.00024	562.93	-.00262	.00269	-.00006	-.00005	-.01126
#2	.00004	564.32	-.00474	.00202	-.00049	-.00005	-.00916
#3	-.00008	561.78	-.00410	.00239	-.00003	-.00005	-.00780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00042**	**.00012**	**.00008**	**.03705**	**.11694**	**-.00141**
Stddev	.00007	.00010	.00010	.00021	.00556	.00966	.00109
%RSD	64.583	22.760	86.946	261.87	15.015	8.2587	77.382
#1	-.00011	.00053	.00021	-.00010	.04289	.12720	-.00247
#2	-.00004	.00038	.00001	.00004	.03644	.10803	-.00029
#3	-.00018	.00035	.00013	.00031	.03181	.11559	-.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01044**	**.00184**	**.00032**	**.01333**	**-.00286**	F **-5582.5**	**.01024**
Stddev	.01096	.00022	.00038	.00576	.00041	81.2	.00200
%RSD	105.06	11.959	120.57	43.234	14.511	1.4551	19.501
#1	-.00984	.00171	.00076	.01392	-.00306	-5614.2	.00951
#2	.00022	.00210	.00013	.01878	-.00313	-5643.1	.01250
#3	-.02169	.00172	.00006	.00729	-.00238	-5490.2	.00871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LRC Acquired: 4/1/2011 12:01:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.872**	**.56538**	F **-276.60**	**-.00523**	F **-.01432**	**.00352**	**-.00608**
Stddev	700.98	.02481	11.89	.00259	.00116	.00515	.00039
%RSD	6447.8	4.3890	4.3002	49.498	8.0745	146.06	6.4044
#1	653.37	.59062	-264.41	-.00231	-.01302	.00553	-.00650
#2	115.96	.56450	-288.18	-.00616	-.01525	-.00232	-.00574
#3	-736.72	.54101	-277.21	-.00724	-.01467	.00736	-.00599
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000		9.0000		81.000		
Low Limit	-.00400		-.00400		-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00048**	**-.00064**	**.00023**	**-.00996**	**.41156**
Stddev	.00011	.00020	.00147	.00023	.00018	.03065
%RSD	117.83	40.992	230.48	97.611	1.7701	7.4480
#1	.00019	-.00038	.00050	.00000	-.00993	.44211
#2	.00011	-.00035	-.00229	.00025	-.01016	.38080
#3	-.00002	-.00070	-.00011	.00045	-.00981	.41176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67910.**	**72093.**
Stddev	90.	221.
%RSD	.13264	.30601
#1	67975.	71838.
#2	67948.	72218.
#3	67807.	72222.

Approved: April 04, 2011

Sample Name: L1103100201 Acquired: 4/1/2011 12:05:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04613**	**73.364**	**5.7927**	**.39539**	**29.680**	**.01152**
Stddev	.00037	.326	.0627	.00232	.324	.00007
%RSD	.80842	.44483	1.0818	.58653	1.0920	.59876
#1	.04648	73.679	5.8313	.39645	29.995	.01158
#2	.04617	73.384	5.8264	.39273	29.348	.01154
#3	.04573	73.028	5.7204	.39700	29.696	.01145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1726.2**	**.09129**	**.14496**	**.48390**	**2.5733**	**412.94**
Stddev	2.4	.00052	.00208	.00409	.0350	6.19
%RSD	.13648	.57143	1.4376	.84603	1.3617	1.4993
#1	1728.5	.09144	.14630	.48717	2.5947	409.78
#2	1726.4	.09172	.14601	.48521	2.5924	408.96
#3	1723.8	.09071	.14255	.47931	2.5329	420.07
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.066**	**.52493**	**95.565**	**33.013**	**.17175**	**43.056**
Stddev	.139	.00173	.389	.322	.00182	.174
%RSD	.44583	.32914	.40694	.97652	1.0571	.40466
#1	31.225	.52546	95.125	33.381	.17249	43.022
#2	30.969	.52299	95.707	32.874	.17307	42.901
#3	31.005	.52632	95.863	32.783	.16968	43.244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103100201 Acquired: 4/1/2011 12:05:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53575**	F **297230.**	**16.027**	F **-2943.1**	F **7921.1**	F **-2613e3**
Stddev	.00624	2581.	.111	288.5	70.9	11318.
%RSD	1.1642	.86823	.69078	9.8035	.89467	.43312
#1	.53985	298780.	16.085	-3049.0	7969.0	-2619e3
#2	.53882	298670.	16.096	-3163.8	7954.6	-2620e3
#3	.52857	294250.	15.899	-2616.6	7839.7	-2600e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35709**	**.02590**	**22.018**	**.00353**	F **30.762**	**.24789**
Stddev	.00506	.00110	.509	.00023	.262	.00062
%RSD	1.4159	4.2298	2.3123	6.5459	.85072	.25103
#1	.35821	.02464	22.397	.00376	30.615	.24718
#2	.36150	.02656	22.218	.00354	31.064	.24820
#3	.35157	.02651	21.439	.00330	30.607	.24830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.04821**	**.24667**	**7.3321**	**29.647**
Stddev	.00192	.00209	.0701	.521
%RSD	3.9914	.84913	.95533	1.7573
#1	.04683	.24843	7.3725	29.977
#2	.05041	.24724	7.3726	29.917
#3	.04739	.24435	7.2513	29.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 04, 2011

Sample Name: L1103100201 Acquired: 4/1/2011 12:05:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**54212.**	**65682.**
Stddev	242.	228.
%RSD	.44663	.34768
#1	53988.	65467.
#2	54180.	65657.
#3	54469.	65922.

Approved: April 04, 2011

Sample Name: L1103100401 Acquired: 4/1/2011 12:09:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00617**	**123.78**	**.27894**	**.21805**	**3.3607**	**.01171**
Stddev	.00043	.90	.00093	.00310	.0049	.00004
%RSD	6.9266	.72467	.33193	1.4209	.14533	.32252
#1	.00612	123.04	.27958	.21576	3.3657	.01171
#2	.00577	123.52	.27787	.21680	3.3605	.01167
#3	.00662	124.78	.27935	.22157	3.3559	.01174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**411.83**	**.01103**	**.15048**	**.23034**	**.46410**	**360.98**
Stddev	11.18	.00007	.00005	.00014	.00125	6.20
%RSD	2.7157	.67907	.03564	.06148	.26828	1.7168
#1	403.26	.01098	.15043	.23040	.46531	356.27
#2	407.75	.01100	.15048	.23043	.46418	358.68
#3	424.48	.01112	.15054	.23017	.46282	368.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.089**	**.30440**	**65.582**	**7.3000**	**.02557**	**82.614**
Stddev	.035	.00045	.435	.0122	.00019	.133
%RSD	.15621	.14938	.66357	.16666	.72959	.16060
#1	22.117	.30404	65.139	7.2864	.02554	82.593
#2	22.098	.30425	65.599	7.3039	.02541	82.756
#3	22.050	.30491	66.009	7.3098	.02577	82.493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103100401 Acquired: 4/1/2011 12:09:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34171	F 65503.	.29827	F -1265.7	F 1868.1	F -738270.
Stddev	.00035	45.	.00242	530.2	1.4	468.
%RSD	.10281	.06896	.80991	41.894	.07244	.06340
#1	.34197	65548.	.29820	-1677.9	1869.2	-737760.
#2	.34184	65457.	.30072	-1451.5	1866.6	-738680.
#3	.34131	65503.	.29589	-667.52	1868.6	-738360.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01155	.00492	F 172.05	.00719	1.6775	.82093
Stddev	.00144	.00048	2.09	.00025	.0066	.00270
%RSD	12.464	9.8434	1.2171	3.5157	.39268	.32931
#1	.01288	.00522	173.16	.00721	1.6821	.81786
#2	.01176	.00518	173.36	.00692	1.6804	.82296
#3	.01002	.00436	169.63	.00742	1.6699	.82197
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000			
Low Limit			-1.0000			

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00725	.24212	1.1737	F 231.47
Stddev	.00049	.00075	.0007	.25
%RSD	6.7717	.30825	.05973	.10671
#1	.00739	.24134	1.1732	231.39
#2	.00765	.24219	1.1734	231.75
#3	.00670	.24283	1.1745	231.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103100401 Acquired: 4/1/2011 12:09:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60325.**	**65253.**
Stddev	66.	438.
%RSD	.10895	.67177
#1	60260.	65585.
#2	60391.	65418.
#3	60325.	64756.

Approved: April 04, 2011

Sample Name: L1103100403 Acquired: 4/1/2011 12:12:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00851**	**153.55**	**.30633**	**.28111**	**3.4293**	**.01001**
Stddev	.00030	.58	.00165	.00359	.0305	.00005
%RSD	3.5787	.37649	.53757	1.2767	.89067	.47148
#1	.00886	153.28	.30450	.28258	3.4644	.00997
#2	.00832	154.22	.30684	.28372	3.4086	.01000
#3	.00835	153.16	.30767	.27701	3.4151	.01006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**400.52**	**.01066**	**.20330**	**.39489**	**.70392**	**500.75**
Stddev	2.89	.00003	.00059	.00040	.00358	4.51
%RSD	.72147	.28952	.28907	.10150	.50916	.90065
#1	402.86	.01064	.20341	.39454	.70052	501.99
#2	397.29	.01069	.20383	.39532	.70766	504.51
#3	401.42	.01065	.20267	.39480	.70359	495.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.912**	**.45005**	**75.140**	**7.7384**	**.03694**	**33.779**
Stddev	.222	.00381	.584	.0765	.00035	.395
%RSD	.92774	.84732	.77690	.98852	.93712	1.1682
#1	24.167	.45425	75.814	7.8264	.03733	34.232
#2	23.775	.44682	74.794	7.6881	.03683	33.511
#3	23.792	.44907	74.813	7.7006	.03666	33.595
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103100403 Acquired: 4/1/2011 12:12:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51171**	F **72451.**	**.36281**	F **-1185.4**	F **2898.4**	F **-1285e3**
Stddev	.00038	64.	.00203	244.2	12.5	1074.
%RSD	.07441	.08832	.55862	20.601	.43032	.08362
#1	.51130	72382.	.36047	-1077.4	2890.2	-1286e3
#2	.51206	72463.	.36405	-1013.8	2912.7	-1285e3
#3	.51176	72508.	.36391	-1465.0	2892.2	-1284e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01306**	**.00414**	F **134.74**	**.00673**	**1.2124**	**.85687**
Stddev	.00263	.00127	1.79	.00019	.0148	.01016
%RSD	20.106	30.771	1.3255	2.8634	1.2183	1.1852
#1	.01578	.00427	135.63	.00692	1.2292	.86858
#2	.01053	.00280	135.91	.00674	1.2014	.85154
#3	.01288	.00534	132.68	.00653	1.2066	.85049
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000			
Low Limit			-1.0000			

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01320**	**.31612**	**1.4032**	F **229.82**
Stddev	.00111	.00103	.0014	.23
%RSD	8.4189	.32560	.09627	.09995
#1	.01363	.31602	1.4027	230.02
#2	.01404	.31719	1.4047	229.89
#3	.01194	.31514	1.4021	229.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103100403 Acquired: 4/1/2011 12:12:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59766.**	**64055.**
Stddev	158.	508.
%RSD	.26487	.79276
#1	59793.	63517.
#2	59595.	64124.
#3	59908.	64525.

Approved: April 04, 2011

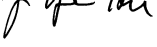
Sample Name: L1103100601 Acquired: 4/1/2011 12:16:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01208**	**53.450**	**.45371**	**.31869**	**13.167**	**.00866**
Stddev	.00062	.546	.00255	.00422	.265	.00007
%RSD	5.1642	1.0222	.56174	1.3255	2.0099	.82885
#1	.01162	53.827	.45484	.31588	13.350	.00858
#2	.01184	53.700	.45550	.32355	13.288	.00871
#3	.01279	52.823	.45079	.31664	12.864	.00868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**550.99**	**.04920**	**.21951**	**.20449**	**2.0923**	**385.15**
Stddev	12.02	.00025	.00135	.00070	.0081	4.91
%RSD	2.1810	.49813	.61416	.34255	.38890	1.2757
#1	562.82	.04922	.22026	.20405	2.0937	381.51
#2	551.35	.04943	.22031	.20530	2.0996	390.74
#3	538.79	.04894	.21795	.20412	2.0835	383.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.944**	**.26681**	**50.256**	**6.5679**	**1.2724**	**35.602**
Stddev	.061	.00136	.144	.0164	.0072	.099
%RSD	.23503	.51001	.28621	.24963	.56224	.27830
#1	25.929	.26604	50.247	6.5647	1.2769	35.612
#2	26.011	.26838	50.404	6.5857	1.2762	35.697
#3	25.892	.26602	50.117	6.5533	1.2642	35.499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011



Sample Name: L1103100601 Acquired: 4/1/2011 12:16:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4763	F 83743.	1.3495	F -1029.0	F 9673.9	F -4888e3
Stddev	.0079	278.	.0035	334.6	138.7	12591.
%RSD	.53273	.33150	.25716	32.522	1.4337	.25757
#1	1.4774	83866.	1.3510	-1355.1	9551.7	-4899e3
#2	1.4836	83939.	1.3520	-686.41	9645.3	-4892e3
#3	1.4680	83426.	1.3456	-1045.4	9824.7	-4874e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11041	.09754	26.965	.00308	2.5414	.24747
Stddev	.00174	.00190	.481	.00056	.0058	.00189
%RSD	1.5742	1.9484	1.7823	18.193	.22779	.76281
#1	.11241	.09716	27.276	.00286	2.5390	.24693
#2	.10957	.09960	27.208	.00371	2.5480	.24957
#3	.10926	.09586	26.412	.00266	2.5371	.24591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.06186	.40126	3.0878	F 77.252
Stddev	.00135	.00039	.0132	.151
%RSD	2.1893	.09760	.42634	.19596
#1	.06252	.40085	3.0892	77.095
#2	.06276	.40129	3.1002	77.265
#3	.06030	.40163	3.0739	77.397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103100601 Acquired: 4/1/2011 12:16:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61450.**	**65932.**
Stddev	113.	693.
%RSD	.18313	1.0518
#1	61580.	65383.
#2	61388.	65701.
#3	61382.	66711.

Approved: April 04, 2011

Sample Name: L1103100801 Acquired: 4/1/2011 12:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01439**	**160.12**	**.23445**	**.31366**	**2.9457**	**.01372**
Stddev	.00040	1.04	.00232	.00810	.0058	.00007
%RSD	2.8106	.64946	.99032	2.5835	.19669	.52511
#1	.01464	158.96	.23198	.30621	2.9513	.01364
#2	.01393	160.46	.23479	.31250	2.9459	.01374
#3	.01462	160.95	.23659	.32229	2.9398	.01377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**890.82**	**.01645**	**.16235**	**.32030**	**.54277**	**430.87**
Stddev	1.97	.00006	.00062	.00170	.00216	12.08
%RSD	.22120	.34814	.38183	.53047	.39712	2.8037
#1	889.19	.01645	.16171	.31960	.54038	421.19
#2	890.26	.01640	.16239	.32223	.54337	427.02
#3	893.01	.01651	.16295	.31906	.54456	444.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.495**	**.39877**	**86.587**	**12.091**	**.05377**	**57.861**
Stddev	.067	.00121	.334	.032	.00024	.229
%RSD	.25202	.30402	.38571	.26857	.44343	.39518
#1	26.436	.39752	86.313	12.060	.05374	57.684
#2	26.482	.39994	86.489	12.089	.05403	57.780
#3	26.568	.39885	86.959	12.125	.05356	58.119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103100801 Acquired: 4/1/2011 12:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43033**	F **101680.**	**.26609**	F **-1784.3**	F **2669.3**	F **-871120.**
Stddev	.00153	276.	.00045	665.5	13.6	1465.
%RSD	.35473	.27180	.16766	37.297	.50937	.16816
#1	.42872	101400.	.26584	-2227.2	2656.9	-869520.
#2	.43176	101680.	.26660	-2106.7	2667.3	-871430.
#3	.43050	101950.	.26582	-1019.0	2683.9	-872400.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01005**	**.00372**	F **319.20**	**.01302**	**2.7090**	**1.7145**
Stddev	.00310	.00256	5.27	.00011	.0054	.0016
%RSD	30.837	68.849	1.6499	.81589	.19882	.09579
#1	.01227	.00092	321.97	.01298	2.7040	1.7126
#2	.00651	.00595	322.51	.01314	2.7083	1.7156
#3	.01138	.00428	313.13	.01294	2.7147	1.7152
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000			
Low Limit			-1.0000			

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01460**	**.39050**	**1.6138**	F **375.32**
Stddev	.00061	.00172	.0035	1.35
%RSD	4.1617	.43984	.21438	.35963
#1	.01398	.38950	1.6098	373.81
#2	.01520	.38951	1.6159	375.70
#3	.01462	.39248	1.6157	376.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103100801 Acquired: 4/1/2011 12:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59543.**	**66208.**
Stddev	83.	392.
%RSD	.13983	.59233
#1	59617.	66432.
#2	59558.	66436.
#3	59453.	65755.

Approved: April 04, 2011

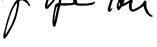
Sample Name: L1103100803 Acquired: 4/1/2011 12:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00139**	**111.29**	**.17878**	**.19606**	**1.8192**	**.01426**
Stddev	.00033	.30	.00171	.00131	.0034	.00002
%RSD	23.790	.27389	.95873	.66817	.18570	.17233
#1	.00107	111.01	.17708	.19519	1.8229	.01429
#2	.00137	111.26	.17873	.19541	1.8162	.01424
#3	.00172	111.61	.18051	.19756	1.8185	.01426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**146.56**	**.00668**	**.14011**	**.17438**	**.38072**	**332.90**
Stddev	.51	.00002	.00053	.00054	.00194	3.50
%RSD	.35079	.31246	.37923	.30748	.51087	1.0509
#1	147.00	.00666	.13959	.17499	.37872	329.86
#2	146.00	.00667	.14011	.17414	.38083	332.12
#3	146.69	.00670	.14065	.17400	.38260	336.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.940**	**.30885**	**57.676**	**8.7066**	**.07299**	**99.304**
Stddev	.074	.00198	.235	.0398	.00020	.404
%RSD	.33760	.64016	.40665	.45651	.27985	.40690
#1	22.013	.30860	57.873	8.7506	.07282	99.752
#2	21.865	.31093	57.416	8.6960	.07322	98.967
#3	21.943	.30700	57.738	8.6733	.07293	99.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011



Sample Name: L1103100803 Acquired: 4/1/2011 12:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35964**	F **64216.**	**.33353**	F **-666.45**	F **3007.2**	F **-1490e3**
Stddev	.00183	257.	.00202	321.16	12.4	4801.
%RSD	.50994	.39998	.60625	48.189	.41215	.32213
#1	.35755	63939.	.33120	-371.40	2993.7	-1486e3
#2	.36042	64261.	.33475	-1008.5	3009.8	-1490e3
#3	.36095	64447.	.33465	-619.43	3018.0	-1495e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01295**	**.00647**	**14.239**	**.00883**	**1.1549**	**.21125**
Stddev	.00223	.00263	.119	.00018	.0045	.00145
%RSD	17.183	40.703	.83366	1.9853	.38537	.68466
#1	.01039	.00540	14.119	.00870	1.1601	.21249
#2	.01443	.00454	14.240	.00875	1.1523	.21159
#3	.01404	.00947	14.357	.00903	1.1524	.20966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00838**	**.18266**	**1.0330**	F **78.841**
Stddev	.00094	.00075	.0048	.176
%RSD	11.258	.41272	.46648	.22290
#1	.00923	.18327	1.0274	78.866
#2	.00854	.18289	1.0358	79.003
#3	.00736	.18182	1.0357	78.654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103100803 Acquired: 4/1/2011 12:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62611.**	**66312.**
Stddev	230.	679.
%RSD	.36700	1.0247
#1	62874.	65682.
#2	62453.	67032.
#3	62505.	66223.

Approved: April 04, 2011

Sample Name: L1103101001 Acquired: 4/1/2011 12:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01557**	**72.598**	**1.8952**	**.33920**	**9.3084**	**.01132**
Stddev	.00030	.992	.0221	.00289	.1174	.00004
%RSD	1.9544	1.3659	1.1665	.85096	1.2609	.37378
#1	.01558	73.602	1.9084	.34252	9.3851	.01127
#2	.01587	72.573	1.9076	.33778	9.3668	.01133
#3	.01526	71.619	1.8697	.33730	9.1733	.01135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**429.93**	**.07890**	**.26738**	**.14359**	**2.0295**	**493.16**
Stddev	2.14	.00073	.00366	.00105	.0301	5.20
%RSD	.49856	.92173	1.3674	.72889	1.4832	1.0546
#1	429.16	.07938	.26951	.14238	2.0473	498.67
#2	428.28	.07926	.26947	.14418	2.0465	488.33
#3	432.36	.07806	.26316	.14420	1.9948	492.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.743**	**.27641**	**58.028**	**14.437**	**1.6611**	**50.716**
Stddev	.039	.00179	.155	.040	.0227	.129
%RSD	.10234	.64886	.26702	.27657	1.3697	.25523
#1	37.730	.27520	57.905	14.431	1.6754	50.785
#2	37.786	.27555	57.976	14.401	1.6730	50.566
#3	37.713	.27847	58.202	14.480	1.6349	50.796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103101001 Acquired: 4/1/2011 12:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8009**	F **80299.**	**5.3071**	F **-1463.1**	F **11159.**	F **-5710e3**
Stddev	.0257	904.	.0451	197.5	61.	29018.
%RSD	1.4246	1.1259	.85064	13.499	.54573	.50821
#1	1.8160	80920.	5.3372	-1673.7	11169.	-5729e3
#2	1.8154	80715.	5.3290	-1282.0	11094.	-5724e3
#3	1.7713	79262.	5.2552	-1433.6	11215.	-5677e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18646**	**.09129**	**5.3846**	**.00643**	F **15.242**	**.13700**
Stddev	.00352	.00190	.0854	.00037	.176	.00089
%RSD	1.8857	2.0800	1.5862	5.7557	1.1563	.65285
#1	.18739	.09075	5.4417	.00676	15.113	.13598
#2	.18942	.09340	5.4257	.00652	15.171	.13763
#3	.18257	.08972	5.2864	.00603	15.443	.13740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.07836**	**.33007**	**5.9590**	**37.546**
Stddev	.00098	.00051	.0742	.443
%RSD	1.2485	.15511	1.2460	1.1806
#1	.07829	.33064	6.0008	37.880
#2	.07937	.32994	6.0029	37.715
#3	.07742	.32964	5.8732	37.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 04, 2011

Sample Name: L1103101001 Acquired: 4/1/2011 12:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59817.**	**65660.**
Stddev	95.	188.
%RSD	.15801	.28626
#1	59739.	65504.
#2	59790.	65869.
#3	59922.	65607.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 12:32:23 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40956**	**10.175**	**.39808**	**.50113**	**.96537**	**.05019**	**9.7861**
Stddev	.00145	.046	.00099	.00205	.00246	.00031	.0491
%RSD	.35398	.45375	.24993	.40961	.25445	.62365	.50188
#1	.40832	10.128	.39919	.49883	.96540	.04985	9.8134
#2	.40920	10.178	.39726	.50179	.96289	.05025	9.7294
#3	.41115	10.220	.39779	.50277	.96781	.05046	9.8154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**.20439**	**.50174**	**.50875**	**4.0309**	**49.155**	**.98320**
Stddev	.00013	.00069	.00301	.00224	.0021	.151	.00090
%RSD	.24764	.33556	.60064	.44075	.05309	.30818	.09178
#1	.05062	.20409	.49832	.50863	4.0285	49.153	.98247
#2	.05050	.20390	.50286	.50658	4.0326	49.004	.98292
#3	.05075	.20517	.50403	.51106	4.0317	49.307	.98421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.232**	**.50148**	**1.0570**	**50.269**	**.50825**	F **77.729**	**.51081**
Stddev	.025	.00224	.0016	.183	.00111	55.426	.00125
%RSD	.24870	.44722	.15365	.36352	.21805	71.307	.24500
#1	10.224	.50311	1.0551	50.446	.50772	21.634	.50940
#2	10.211	.49893	1.0580	50.081	.50750	79.092	.51122
#3	10.260	.50242	1.0580	50.281	.50952	132.46	.51180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 12:32:23 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2486.8**	F **11.675**	F **-555.95**	**1.2361**	**.39911**	F **14.943**	**1.0564**
Stddev	181.5	.213	75.38	.0018	.00186	.038	.0026
%RSD	7.2981	1.8206	13.559	.14384	.46642	.25364	.24844
#1	2469.9	11.900	-628.69	1.2380	.40119	14.950	1.0559
#2	2676.1	11.646	-560.98	1.2359	.39760	14.902	1.0540
#3	2314.4	11.478	-478.18	1.2345	.39856	14.977	1.0592
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	10.000%	10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97147**	**1.0280**	**.51471**	**1.0210**	**1.0326**	F **1.6546**
Stddev	.00329	.0026	.00193	.0029	.0025	.1144
%RSD	.33854	.25067	.37490	.28681	.23991	6.9138
#1	.97408	1.0273	.51670	1.0188	1.0307	1.5544
#2	.96778	1.0258	.51459	1.0200	1.0317	1.7792
#3	.97256	1.0308	.51284	1.0244	1.0354	1.6301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65130.**	**63870.**
Stddev	202.	112.
%RSD	.31011	.17581
#1	65294.	63752.
#2	65191.	63976.
#3	64904.	63882.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 12:35:45 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00716**	**-.00110**	**.00174**	**.00073**	**.00002**	**.00444**
Stddev	.00067	.00035	.00110	.00070	.00017	.00002	.00712
%RSD	197.85	4.8651	100.20	40.213	23.364	92.669	160.57
#1	-.00036	.00756	-.00222	.00112	.00077	.00004	.01143
#2	.00034	.00693	-.00106	.00250	.00087	.00000	.00468
#3	-.00100	.00699	-.00002	.00162	.00054	.00002	-.00280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00009**	**-.00006**	**.00048**	**.01425**	**.14411**	**-.00083**
Stddev	.00007	.00009	.00022	.00055	.00162	.01580	.00243
%RSD	81.804	92.168	396.14	115.52	11.360	10.965	293.40
#1	-.00001	.00000	-.00021	.00050	.01571	.13569	.00184
#2	-.00010	-.00010	.00019	.00101	.01452	.16234	-.00291
#3	-.00015	-.00017	-.00014	-.00009	.01251	.13431	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00753**	**.00069**	**.00039**	**.00778**	**-.00062**	F **41.245**	**-.00100**
Stddev	.00675	.00017	.00014	.00457	.00032	68.942	.00139
%RSD	89.749	24.778	35.297	58.763	51.499	167.15	138.56
#1	-.01295	.00066	.00048	.00970	-.00094	58.109	.00015
#2	-.00967	.00053	.00045	.01109	-.00060	-34.564	-.00062
#3	.00004	.00087	.00023	.00256	-.00031	100.19	-.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 12:35:45 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2447.8**	**.51422**	F **-239.70**	**.00137**	**-.00056**	**.00560**	**.00189**
Stddev	139.3	.05812	2.90	.00032	.00124	.00092	.00012
%RSD	5.6922	11.303	1.2091	23.475	220.53	16.399	6.5449
#1	2568.9	.58064	-238.96	.00135	.00080	.00459	.00197
#2	2479.1	.48932	-237.24	.00170	-.00086	.00638	.00194
#3	2295.5	.47269	-242.90	.00106	-.00163	.00583	.00175
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00153**	**-.00028**	**.00004**	**.00046**	F **-.14062**
Stddev	.00008	.00040	.00054	.00017	.00002	.12075
%RSD	13.474	26.329	193.00	406.07	4.8347	85.864
#1	.00070	-.00156	-.00040	.00016	.00045	-.27662
#2	.00059	-.00111	.00031	.00011	.00045	-.04601
#3	.00054	-.00191	-.00076	-.00015	.00049	-.09924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66166.**	**63771.**
Stddev	145.	202.
%RSD	.21949	.31732
#1	66094.	63537.
#2	66070.	63902.
#3	66333.	63872.

Approved: April 04, 2011

Sample Name: L1103101201 Acquired: 4/1/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**138.97**	**.24185**	**.20803**	**4.9598**	**.01303**
Stddev	.00031	1.44	.00073	.00154	.0342	.00003
%RSD	82.794	1.0380	.30293	.74047	.69007	.23162
#1	.00007	137.82	.24106	.20790	4.9988	.01301
#2	.00068	138.50	.24251	.20963	4.9460	.01306
#3	.00036	140.59	.24198	.20656	4.9346	.01301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**156.56**	**.00569**	**.18327**	**.23154**	**.40691**	**407.18**
Stddev	.59	.00009	.00040	.00093	.00102	3.09
%RSD	.37952	1.5454	.21948	.40242	.24959	.75872
#1	155.94	.00571	.18303	.23057	.40574	409.33
#2	156.63	.00577	.18373	.23243	.40747	408.56
#3	157.12	.00560	.18304	.23163	.40752	403.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.739**	**.40569**	**70.345**	**6.3542**	**.03553**	**56.908**
Stddev	.080	.00116	.276	.0037	.00032	.270
%RSD	.40423	.28674	.39170	.05741	.90229	.47488
#1	19.648	.40605	70.044	6.3502	.03563	56.770
#2	19.772	.40664	70.584	6.3553	.03579	56.734
#3	19.798	.40440	70.409	6.3572	.03517	57.219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103101201 Acquired: 4/1/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.38612	F 59122.	.38417	F -732.07	F 3006.7	F -1478e3
Stddev	.00129	73.	.00241	433.43	3.5	2051.
%RSD	.33309	.12365	.62705	59.206	.11786	.13877
#1	.38512	59202.	.38481	-489.21	3002.9	-1478e3
#2	.38757	59103.	.38619	-474.52	3010.0	-1480e3
#3	.38566	59060.	.38151	-1232.5	3007.1	-1476e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00958	.00318	8.9785	.00600	1.7111	.14198
Stddev	.00088	.00297	.0507	.00022	.0051	.00086
%RSD	9.1331	93.459	.56463	3.7454	.29583	.60898
#1	.01059	-.00025	8.9978	.00585	1.7096	.14245
#2	.00907	.00495	9.0167	.00589	1.7070	.14099
#3	.00909	.00484	8.9210	.00626	1.7168	.14251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00867	.20240	.96528	F 73.393
Stddev	.00120	.00051	.00057	.478
%RSD	13.832	.25214	.05875	.65119
#1	.00942	.20218	.96463	72.890
#2	.00729	.20299	.96567	73.841
#3	.00932	.20205	.96554	73.449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103101201 Acquired: 4/1/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61597.**	**65566.**
Stddev	38.	220.
%RSD	.06195	.33562
#1	61638.	65472.
#2	61562.	65408.
#3	61593.	65817.

Approved: April 04, 2011

Sample Name: L1103101203 Acquired: 4/1/2011 12:43:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00599**	**162.58**	**.82538**	**.33113**	**14.918**	**.01367**
Stddev	.00021	.74	.00461	.00308	.082	.00009
%RSD	3.5738	.45548	.55836	.92890	.54834	.63536
#1	.00617	161.85	.82861	.32915	15.013	.01370
#2	.00605	163.33	.82744	.32957	14.873	.01373
#3	.00576	162.56	.82011	.33468	14.869	.01357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**464.75**	**.02338**	**.24734**	**.29001**	**.92670**	**532.04**
Stddev	6.52	.00008	.00203	.00258	.00812	6.31
%RSD	1.4035	.32812	.81954	.89013	.87574	1.1868
#1	457.57	.02333	.24844	.29207	.93193	528.12
#2	466.34	.02347	.24857	.29084	.93082	528.67
#3	470.32	.02333	.24500	.28712	.91735	539.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.500**	**.57469**	**92.513**	**10.066**	**.21847**	**42.532**
Stddev	.205	.00233	.876	.042	.00132	.216
%RSD	.61149	.40475	.94727	.41840	.60483	.50734
#1	33.301	.57236	91.553	10.020	.21922	42.300
#2	33.489	.57701	92.716	10.076	.21925	42.570
#3	33.710	.57470	93.270	10.103	.21695	42.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103101203 Acquired: 4/1/2011 12:43:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.74783	F 65954.	2.3730	F -1310.4	F 5938.4	F -2869e3
Stddev	.00588	278.	.0096	441.4	24.6	9388.
%RSD	.78664	.42096	.40387	33.682	.41487	.32720
#1	.75059	66068.	2.3764	-900.37	5952.5	-2875e3
#2	.75183	66157.	2.3804	-1253.2	5952.9	-2874e3
#3	.74107	65637.	2.3621	-1777.5	5910.0	-2858e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06054	.01513	21.087	.00670	F 11.168	.11387
Stddev	.00132	.00142	.322	.00014	.153	.00106
%RSD	2.1812	9.3938	1.5283	2.0245	1.3736	.93130
#1	.06191	.01488	21.319	.00654	11.083	.11298
#2	.06043	.01386	21.223	.00678	11.075	.11358
#3	.05927	.01667	20.719	.00677	11.345	.11505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.02334	.33087	2.2971	F 62.277
Stddev	.00147	.00112	.0132	.589
%RSD	6.2976	.33801	.57285	.94577
#1	.02440	.33182	2.3051	62.850
#2	.02396	.33116	2.3043	62.307
#3	.02166	.32964	2.2819	61.673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103101203 Acquired: 4/1/2011 12:43:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60104.**	**65469.**
Stddev	146.	703.
%RSD	.24366	1.0738
#1	59948.	66246.
#2	60124.	65283.
#3	60239.	64877.

Approved: April 04, 2011

Sample Name: PBS 9A Acquired: 4/1/2011 12:47:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00371**	**-.00302**	**.00078**	**.00310**	**.00001**	**.02067**
Stddev	.00023	.00182	.00097	.00064	.00022	.00001	.00988
%RSD	65.967	49.159	32.231	81.265	7.0545	63.523	47.805
#1	-.00060	.00572	-.00362	.00150	.00313	.00002	.02479
#2	-.00021	.00218	-.00354	.00027	.00331	.00001	.02782
#3	-.00021	.00322	-.00190	.00059	.00287	.00001	.00939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00049**	**.00168**	**.00037**	**.03808**	**.13633**	**-.00166**
Stddev	.00004	.00004	.00022	.00006	.00847	.02083	.00071
%RSD	25.102	8.6676	13.301	17.399	22.240	15.276	42.553
#1	.00013	-.00049	.00153	.00031	.04770	.16013	-.00148
#2	.00021	-.00045	.00156	.00036	.03481	.12148	-.00244
#3	.00020	-.00054	.00193	.00044	.03174	.12737	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00378**	**.00058**	**.00032**	**.00884**	**.00054**	F **-62.253**	**-.00035**
Stddev	.00431	.00018	.00010	.00160	.00026	26.754	.00038
%RSD	113.88	30.303	32.482	18.058	49.059	42.977	109.01
#1	-.00821	.00061	.00044	.00963	.00080	-88.416	-.00044
#2	.00039	.00074	.00027	.00989	.00027	-63.400	-.00068
#3	-.00353	.00039	.00025	.00700	.00055	-34.944	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS 9A Acquired: 4/1/2011 12:47:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1753.4**	**1.8551**	F **-903.94**	**.00305**	**.00047**	**.04430**	**-.00472**
Stddev	112.8	.0156	3.09	.00062	.00202	.00250	.00009
%RSD	6.4350	.83873	.34213	20.335	433.13	5.6462	1.9381
#1	1627.3	1.8378	-900.80	.00320	.00257	.04242	-.00475
#2	1787.8	1.8679	-906.98	.00358	-.00145	.04714	-.00479
#3	1845.0	1.8596	-904.04	.00237	.00028	.04335	-.00462
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**-.00066**	**-.00304**	**.00003**	**.00265**	F **-.16893**
Stddev	.00014	.00077	.00028	.00008	.00009	.11607
%RSD	26.072	117.17	9.2346	286.11	3.5576	68.708
#1	.00066	-.00153	-.00272	.00011	.00267	-.30168
#2	.00051	-.00038	-.00318	.00004	.00273	-.08661
#3	.00039	-.00006	-.00323	-.00006	.00255	-.11850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65299.**	**62974.**
Stddev	130.	176.
%RSD	.19983	.28013
#1	65218.	63018.
#2	65450.	62780.
#3	65230.	63125.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 12:53:08 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40744**	**10.028**	**.39937**	**.49851**	**.97788**	**.05017**	**9.8675**
Stddev	.00166	.045	.00055	.00216	.00494	.00009	.0386
%RSD	.40760	.44870	.13707	.43280	.50495	.17601	.39097
#1	.40590	10.018	.39877	.49745	.97297	.05016	9.8269
#2	.40722	9.9884	.39948	.49707	.97781	.05027	9.8719
#3	.40920	10.077	.39985	.50099	.98285	.05009	9.9037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05061**	**.20530**	**.50072**	**.51220**	**4.0362**	**49.715**	**.98945**
Stddev	.00026	.00113	.00044	.00219	.0136	.233	.00303
%RSD	.51965	.55006	.08818	.42773	.33687	.46953	.30584
#1	.05032	.20415	.50118	.50967	4.0206	49.527	.98633
#2	.05070	.20533	.50067	.51354	4.0431	49.640	.98966
#3	.05082	.20641	.50030	.51339	4.0450	49.976	.99237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.329**	**.50351**	**1.0582**	**50.693**	**.50962**	F **81.332**	**.51335**
Stddev	.087	.00282	.0021	.122	.00035	11.889	.00130
%RSD	.83752	.55939	.19554	.23986	.06923	14.618	.25378
#1	10.251	.50040	1.0592	50.603	.50922	74.636	.51192
#2	10.316	.50588	1.0595	50.644	.50981	74.301	.51365
#3	10.422	.50425	1.0558	50.831	.50985	95.059	.51447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 12:53:08 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2474.6**	**10.815**	F **-89.095**	**1.2357**	**.40456**	F **14.922**	**1.0649**
Stddev	508.6	.051	16.057	.0044	.00356	.039	.0020
%RSD	20.552	.46742	18.022	.35317	.87897	.26321	.18606
#1	2174.9	10.756	-82.703	1.2306	.40062	14.877	1.0626
#2	2187.0	10.847	-107.36	1.2382	.40556	14.937	1.0658
#3	3061.8	10.841	-77.218	1.2382	.40752	14.951	1.0662
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97747**	**1.0354**	**.51677**	**1.0199**	**1.0445**	F **1.4441**
Stddev	.00143	.0049	.00298	.0016	.0004	.0879
%RSD	.14646	.47050	.57632	.15683	.03852	6.0887
#1	.97650	1.0315	.51334	1.0199	1.0442	1.4704
#2	.97680	1.0338	.51827	1.0182	1.0443	1.3461
#3	.97912	1.0408	.51870	1.0214	1.0450	1.5160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63706.**	**61363.**
Stddev	76.	692.
%RSD	.11867	1.1279
#1	63786.	61993.
#2	63698.	61472.
#3	63635.	60622.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 12:56:27 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00868**	**-.00126**	**.00134**	**.00067**	**.00003**	**-.00815**
Stddev	.00048	.00158	.00071	.00055	.00006	.00002	.00418
%RSD	939.04	18.256	56.624	40.940	8.2854	72.403	51.246
#1	-.00050	.00977	-.00076	.00130	.00071	.00002	-.01297
#2	.00025	.00686	-.00095	.00190	.00061	.00001	-.00591
#3	.00040	.00941	-.00208	.00081	.00070	.00005	-.00557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00011**	**-.00002**	**.00044**	**.00532**	**.07649**	**-.00102**
Stddev	.00011	.00010	.00041	.00011	.00133	.04384	.00053
%RSD	116.57	89.633	1641.0	25.443	24.993	57.307	52.135
#1	-.00004	.00000	.00019	.00043	.00673	.02868	-.00042
#2	-.00023	-.00020	.00024	.00056	.00408	.11479	-.00122
#3	-.00002	-.00014	-.00050	.00034	.00516	.08601	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00700**	**.00017**	**.00039**	**.00597**	**-.00048**	F **34.120**	**-.00088**
Stddev	.00345	.00022	.00013	.00527	.00041	32.586	.00076
%RSD	49.249	125.64	33.181	88.418	85.350	95.503	85.524
#1	-.01081	.00001	.00026	.00914	-.00094	41.783	-.00020
#2	-.00410	.00008	.00052	.00888	-.00033	-1.6141	-.00076
#3	-.00608	.00042	.00039	-.00012	-.00016	62.192	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 12:56:27 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2289.2**	F **.23241**	F **-113.13**	**.00125**	**-.00165**	**.01148**	**.00143**
Stddev	594.0	.02231	19.91	.00055	.00136	.00625	.00013
%RSD	25.947	9.5975	17.599	43.986	82.384	54.452	9.2240
#1	1655.0	.20843	-114.18	.00180	-.00303	.01062	.00159
#2	2832.6	.23627	-92.718	.00126	-.00032	.01812	.00138
#3	2380.1	.25254	-132.50	.00070	-.00158	.00571	.00134
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.00079**	**-.00034**	**.00012**	**.00036**	**.02505**
Stddev	.00007	.00056	.00065	.00017	.00003	.07536
%RSD	17.599	70.975	192.79	141.27	7.0968	300.88
#1	.00033	-.00085	-.00092	.00026	.00033	-.02935
#2	.00035	-.00020	.00037	-.00007	.00036	-.00657
#3	.00046	-.00133	-.00047	.00019	.00038	.11106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65802.**	**63124.**
Stddev	213.	492.
%RSD	.32418	.77982
#1	65929.	63482.
#2	65922.	63328.
#3	65556.	62563.

Approved: April 04, 2011

Sample Name: LCSS 9A Acquired: 4/1/2011 13:00:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19659**	**.00114**	**.19574**	**.00022**	**.00168**	**.00004**	**-.00135**
Stddev	.00104	.00148	.00049	.00069	.00015	.00002	.00544
%RSD	.53053	129.69	.25041	307.37	9.1988	64.858	403.39
#1	.19563	.00233	.19520	.00090	.00184	.00001	.00362
#2	.19644	-.00052	.19616	-.00048	.00154	.00006	-.00717
#3	.19770	.00161	.19587	.00025	.00165	.00004	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02499**	**-.00047**	**.00056**	**.26532**	**.01826**	**.01139**	**-.00171**
Stddev	.00017	.00012	.00014	.00102	.00189	.01315	.00067
%RSD	.66385	25.320	25.121	.38567	10.333	115.50	39.031
#1	.02489	-.00058	.00047	.26489	.01854	.00008	-.00128
#2	.02518	-.00048	.00073	.26649	.01998	.02582	-.00137
#3	.02490	-.00034	.00049	.26459	.01624	.00825	-.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00851**	**.26613**	**.00048**	**-.00002**	**.00042**	F **-43.985**	**.26875**
Stddev	.00212	.00037	.00011	.00524	.00012	2.967	.00083
%RSD	24.876	.14056	22.708	34029.	28.449	6.7447	.31040
#1	-.00833	.26601	.00045	.00602	.00044	-45.211	.26779
#2	-.01070	.26655	.00060	-.00347	.00053	-46.141	.26918
#3	-.00648	.26583	.00039	-.00259	.00030	-40.601	.26928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS 9A Acquired: 4/1/2011 13:00:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1476.9**	**.25383**	F **-93.246**	**.00421**	**.00044**	**.04202**	**-.00513**
Stddev	1107.9	.03015	10.213	.00187	.00110	.00344	.00025
%RSD	75.016	11.877	10.952	44.543	249.37	8.1926	4.7837
#1	205.39	.28823	-104.11	.00483	.00155	.03876	-.00524
#2	1990.6	.24126	-83.846	.00210	-.00066	.04169	-.00529
#3	2234.7	.23200	-91.779	.00569	.00043	.04562	-.00484
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00018**	**-.00292**	**.00022**	**.00311**	F **-.41638**
Stddev	.00004	.00048	.00050	.00022	.00007	.06217
%RSD	27.590	266.83	17.202	98.243	2.2484	14.932
#1	.00017	-.00038	-.00325	.00044	.00305	-.48501
#2	.00010	-.00053	-.00234	.00001	.00309	-.40030
#3	.00011	.00037	-.00316	.00021	.00319	-.36382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64263.**	**62456.**
Stddev	98.	178.
%RSD	.15276	.28545
#1	64342.	62657.
#2	64294.	62393.
#3	64153.	62317.

Approved: April 04, 2011

Sample Name: L1103082504 Acquired: 4/1/2011 13:03:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00463**	**279.58**	**.11203**	**.15913**	**2.2968**	**.01688**
Stddev	.00023	2.52	.00156	.00411	.0069	.00006
%RSD	4.9444	.90262	1.3932	2.5855	.30200	.33168
#1	.00438	281.23	.11025	.15994	2.2937	.01682
#2	.00467	276.67	.11316	.15468	2.2920	.01687
#3	.00483	280.83	.11267	.16278	2.3047	.01693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**64.509**	**.00812**	**.11594**	**.31876**	**.23077**	**305.16**
Stddev	.263	.00011	.00051	.00091	.00168	5.66
%RSD	.40764	1.3255	.44397	.28619	.72983	1.8536
#1	64.348	.00822	.11537	.31773	.22883	306.04
#2	64.366	.00801	.11608	.31905	.23176	299.11
#3	64.812	.00812	.11637	.31949	.23173	310.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.084**	**.22566**	**33.827**	**7.0279**	**.01204**	**2.8409**
Stddev	.131	.00061	.159	.0120	.00020	.0031
%RSD	.42053	.27084	.46983	.17011	1.6875	.10765
#1	31.002	.22595	33.664	7.0149	.01181	2.8439
#2	31.016	.22495	33.836	7.0302	.01215	2.8378
#3	31.235	.22606	33.982	7.0385	.01216	2.8410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082504 Acquired: 4/1/2011 13:03:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20314**	F **133610.**	**.54229**	F **-1261.5**	F **372.97**	F **-155880.**
Stddev	.00041	186.	.00163	308.9	1.80	261.
%RSD	.20315	.13896	.30112	24.491	.48220	.16715
#1	.20267	133390.	.54042	-1136.6	370.90	-155580.
#2	.20346	133740.	.54348	-1613.3	373.86	-156040.
#3	.20328	133680.	.54296	-1034.5	374.14	-156010.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00657**	**.00717**	**6.4562**	**.01116**	**.44325**	**.39180**
Stddev	.00064	.00283	.0186	.00028	.00089	.00153
%RSD	9.7404	39.547	.28864	2.4943	.20036	.39018
#1	.00718	.01043	6.4350	.01134	.44288	.39005
#2	.00662	.00527	6.4701	.01084	.44261	.39249
#3	.00590	.00581	6.4635	.01131	.44427	.39286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01246**	**.55879**	**1.6575**	F **240.44**
Stddev	.00049	.00072	.0018	.78
%RSD	3.9171	.12888	.11007	.32622
#1	.01274	.55957	1.6554	240.78
#2	.01275	.55815	1.6586	239.54
#3	.01190	.55865	1.6585	240.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082504 Acquired: 4/1/2011 13:03:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63716.**	**66492.**
Stddev	64.	259.
%RSD	.10118	.38951
#1	63772.	66787.
#2	63731.	66385.
#3	63646.	66303.

Approved: April 04, 2011

Sample Name: L1103082505 Acquired: 4/1/2011 13:07:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**199.60**	**.10602**	**.13320**	**2.1380**	**.01586**	**124.12**
Stddev	.00033	.70	.00072	.00053	.0027	.00002	.14
%RSD	9.3934	.35198	.68362	.39542	.12497	.13537	.11488
#1	.00380	200.22	.10645	.13344	2.1379	.01587	124.27
#2	.00371	198.84	.10644	.13356	2.1407	.01587	124.12
#3	.00318	199.76	.10519	.13260	2.1354	.01583	123.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00465**	**.13584**	**.33880**	**.16624**	**313.16**	**12.249**	**.15462**
Stddev	.00003	.00052	.00115	.00146	.73	.027	.00039
%RSD	.74252	.38393	.33984	.87762	.23187	.22056	.24957
#1	.00463	.13644	.33948	.16777	313.81	12.219	.15442
#2	.00469	.13562	.33944	.16608	312.38	12.271	.15507
#3	.00463	.13547	.33747	.16486	313.30	12.256	.15438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.923**	**7.2762**	**.01301**	**.98247**	**.13001**	F **45948.**	**.33859**
Stddev	.082	.0137	.00016	.00958	.00037	114.	.00179
%RSD	.37221	.18815	1.2219	.97468	.28719	.24741	.52918
#1	21.831	7.2604	.01320	.99048	.13007	46022.	.33920
#2	21.984	7.2840	.01293	.98507	.13035	46004.	.33999
#3	21.955	7.2842	.01292	.97187	.12961	45817.	.33657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082505 Acquired: 4/1/2011 13:07:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1097.8**	F **213.52**	F **-46718.**	**.00946**	**.00664**	**6.7114**	**.00715**
Stddev	280.8	.84	17.	.00066	.00304	.0136	.00004
%RSD	25.578	.39108	.03657	6.9879	45.832	.20241	.61058
#1	-1362.7	214.46	-46734.	.00970	.00972	6.7270	.00710
#2	-1127.4	213.25	-46720.	.00871	.00364	6.7049	.00716
#3	-803.44	212.85	-46700.	.00997	.00655	6.7022	.00719
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68303**	**.30412**	**.01366**	**.59423**	**.51309**	F **231.98**
Stddev	.00146	.00084	.00124	.00208	.00117	1.01
%RSD	.21369	.27459	9.1042	.35016	.22781	.43411
#1	.68470	.30485	.01264	.59623	.51433	233.12
#2	.68242	.30430	.01505	.59207	.51293	231.59
#3	.68198	.30321	.01329	.59439	.51201	231.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63795.**	**66169.**
Stddev	300.	56.
%RSD	.47058	.08448
#1	63451.	66159.
#2	63930.	66118.
#3	64004.	66229.

Approved: April 04, 2011

Sample Name: L1103082505PS Acquired: 4/1/2011 13:10:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360450-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20801**	**183.58**	**.28864**	**1.0040**	**2.3758**	**.03946**	**114.49**
Stddev	.00058	2.49	.00048	.0029	.0091	.00010	.28
%RSD	.27842	1.3569	.16498	.28548	.38222	.25323	.24812
#1	.20860	185.24	.28899	1.0038	2.3742	.03956	114.49
#2	.20744	184.79	.28884	1.0013	2.3677	.03946	114.22
#3	.20798	180.72	.28810	1.0070	2.3856	.03936	114.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02844**	**.22220**	**.54767**	**.39413**	**280.87**	**34.807**	**.62153**
Stddev	.00023	.00088	.00203	.00250	2.73	.081	.00209
%RSD	.80737	.39447	.36990	.63429	.97165	.23149	.33635
#1	.02867	.22319	.55001	.39692	278.03	34.832	.62215
#2	.02821	.22186	.54663	.39339	281.11	34.717	.61920
#3	.02843	.22154	.54638	.39209	283.47	34.872	.62324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.382**	**6.7545**	**.53170**	**25.461**	**.36042**	F **42014.**	**.54114**
Stddev	.082	.0069	.00115	.022	.00167	117.	.00136
%RSD	.33627	.10185	.21660	.08527	.46402	.27929	.25186
#1	24.404	6.7535	.53038	25.486	.36235	42145.	.54144
#2	24.292	6.7482	.53219	25.451	.35957	41978.	.53966
#3	24.451	6.7618	.53252	25.445	.35934	41919.	.54234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082505PS Acquired: 4/1/2011 13:10:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360450-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1076.0**	F **200.82**	F **-42912.**	**.59016**	**.19881**	**13.386**	**.00708**
Stddev	694.5	.90	116.	.00266	.00164	.037	.00029
%RSD	64.548	.44682	.27013	.45013	.82458	.27332	4.0455
#1	-300.99	201.79	-43017.	.59307	.20011	13.428	.00727
#2	-1642.1	200.65	-42931.	.58953	.19936	13.369	.00723
#3	-1285.0	200.02	-42787.	.58787	.19697	13.361	.00675
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0814**	**.77081**	**.24431**	**1.0522**	**.95422**	F **209.65**
Stddev	.0006	.00083	.00151	.0033	.00136	1.19
%RSD	.05760	.10739	.61712	.31648	.14260	.56932
#1	1.0813	.77018	.24592	1.0544	.95579	210.78
#2	1.0808	.77051	.24293	1.0483	.95346	208.40
#3	1.0820	.77175	.24409	1.0538	.95341	209.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63308.**	**67239.**
Stddev	132.	775.
%RSD	.20914	1.1528
#1	63163.	66381.
#2	63340.	67887.
#3	63422.	67450.

Approved: April 04, 2011

Sample Name: L1103082505SDL Acquired: 4/1/2011 13:14:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**48.048**	**.02348**	**.02993**	**.42917**	**.00323**	**25.255**
Stddev	.00037	.603	.00056	.00053	.00066	.00002	.071
%RSD	87.316	1.2555	2.3958	1.7694	.15319	.47555	.28220
#1	.00046	47.797	.02290	.03047	.42980	.00322	25.202
#2	.00079	48.736	.02402	.02989	.42922	.00325	25.228
#3	.00004	47.611	.02351	.02942	.42849	.00322	25.336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00086**	**.02939**	**.06993**	**.03642**	**65.980**	**2.5638**	**.02948**
Stddev	.00009	.00045	.00094	.00112	.029	.0326	.00083
%RSD	10.699	1.5474	1.3500	3.0890	.04392	1.2729	2.8039
#1	.00079	.02959	.06994	.03721	65.961	2.5372	.02975
#2	.00097	.02971	.07087	.03692	66.013	2.5541	.03013
#3	.00083	.02887	.06898	.03513	65.965	2.6002	.02855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6991**	**1.5085**	**.00249**	**.19478**	**.02717**	F **10222.**	**.07413**
Stddev	.0141	.0034	.00005	.00745	.00073	108.	.00092
%RSD	.30079	.22567	2.1461	3.8224	2.6747	1.0570	1.2347
#1	4.7073	1.5054	.00254	.20331	.02750	10285.	.07477
#2	4.6827	1.5079	.00249	.19141	.02766	10284.	.07453
#3	4.7071	1.5122	.00244	.18961	.02633	10097.	.07308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082505SDL Acquired: 4/1/2011 13:14:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1731.7**	F **49.049**	F **-10349.**	**.00128**	**.00101**	**1.4792**	**-.00298**
Stddev	442.1	.792	71.	.00116	.00033	.0157	.00012
%RSD	25.532	1.6152	.69060	90.619	32.904	1.0604	3.9186
#1	1255.3	49.451	-10381.	.00142	.00065	1.4890	-.00309
#2	2128.8	49.559	-10400.	.00006	.00131	1.4874	-.00286
#3	1811.0	48.136	-10268.	.00237	.00107	1.4611	-.00300
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13791**	**.06140**	**.00349**	**.12123**	**.11015**	**44.551**
Stddev	.00061	.00095	.00090	.00076	.00113	.383
%RSD	.44342	1.5483	25.663	.62354	1.0257	.85951
#1	.13733	.06199	.00449	.12159	.11072	44.611
#2	.13787	.06031	.00324	.12174	.11088	44.901
#3	.13855	.06192	.00275	.12036	.10885	44.142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67430.**	**66702.**
Stddev	568.	805.
%RSD	.84172	1.2070
#1	67169.	67465.
#2	67040.	66780.
#3	68081.	65861.

Approved: April 04, 2011

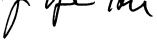
Sample Name: L1103082505SDL Acquired: 4/1/2011 13:18:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**10.002**	**.00491**	**.00546**	**.08430**	**.00064**	**4.9755**
Stddev	.00009	.044	.00033	.00049	.00004	.00001	.0091
%RSD	201.31	.43753	6.7240	8.9236	.04249	1.7182	.18355
#1	.00003	9.9517	.00529	.00599	.08430	.00065	4.9805
#2	.00015	10.022	.00473	.00535	.08434	.00062	4.9650
#3	-.00004	10.032	.00471	.00503	.08427	.00064	4.9811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00594**	**.01371**	**.00762**	**12.876**	**.53041**	**.00557**
Stddev	.00013	.00006	.00022	.00037	.013	.03412	.00180
%RSD	430.34	.98209	1.5737	4.8706	.10235	6.4332	32.292
#1	-.00012	.00601	.01360	.00783	12.874	.55417	.00760
#2	.00011	.00592	.01395	.00719	12.890	.54575	.00421
#3	.00010	.00591	.01356	.00784	12.864	.49131	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91750**	**.30177**	**.00039**	**.02286**	**.00518**	F **2127.2**	**.01462**
Stddev	.00533	.00083	.00012	.00520	.00032	38.3	.00093
%RSD	.58121	.27499	31.992	22.737	6.2020	1.8021	6.3697
#1	.91211	.30231	.00030	.01728	.00485	2148.8	.01404
#2	.92277	.30218	.00053	.02756	.00520	2149.9	.01569
#3	.91761	.30081	.00033	.02375	.00549	2083.0	.01412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011



Sample Name: L1103082505SDL Acquired: 4/1/2011 13:18:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360450-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1253.1**	F **10.492**	F **-2199.2**	**-.00071**	**-.00202**	**.28658**	**-.00512**
Stddev	497.0	.059	18.2	.00057	.00154	.00415	.00021
%RSD	39.661	.56574	.82687	80.085	76.029	1.4483	4.1393
#1	1109.4	10.423	-2213.8	-.00131	-.00029	.28311	-.00526
#2	843.81	10.520	-2178.8	-.00066	-.00254	.28545	-.00487
#3	1806.1	10.531	-2204.9	-.00017	-.00323	.29118	-.00522
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02745**	**.01153**	**.00240**	**.02393**	**.02315**	**6.8664**
Stddev	.00005	.00021	.00076	.00003	.00006	.1345
%RSD	.19364	1.8254	31.709	.13174	.27879	1.9587
#1	.02751	.01177	.00317	.02394	.02308	6.9483
#2	.02741	.01136	.00165	.02389	.02316	6.9397
#3	.02742	.01147	.00239	.02395	.02321	6.7112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68288.**	**67158.**
Stddev	76.	102.
%RSD	.11080	.15199
#1	68369.	67041.
#2	68275.	67205.
#3	68219.	67229.

Approved: April 04, 2011

Sample Name: L1103082506 Acquired: 4/1/2011 13:21:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05716**	**224.86**	**.12494**	**.12434**	**2.5764**	**.01502**	**101.03**
Stddev	.00061	1.67	.00167	.00257	.0032	.00003	.17
%RSD	1.0585	.74244	1.3332	2.0637	.12365	.20911	.17026
#1	.05753	223.32	.12306	.12192	2.5734	.01500	100.84
#2	.05749	226.64	.12554	.12407	2.5797	.01506	101.09
#3	.05646	224.61	.12623	.12703	2.5761	.01501	101.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**.14612**	**.29255**	**.15878**	**269.50**	**17.514**	**.16958**
Stddev	.00010	.00073	.00142	.00061	5.51	.040	.00196
%RSD	2.0089	.50054	.48534	.38561	2.0450	.23046	1.1529
#1	.00499	.14648	.29228	.15936	264.64	17.475	.16750
#2	.00488	.14660	.29409	.15883	268.38	17.512	.17139
#3	.00508	.14528	.29129	.15814	275.49	17.556	.16984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.594**	**12.068**	**.01063**	**1.0576**	**.18800**	F **51151.**	**.28968**
Stddev	.204	.027	.00009	.0014	.00180	267.	.00310
%RSD	.73840	.22621	.82058	.12918	.95740	.52225	1.0705
#1	27.377	12.039	.01054	1.0584	.18862	51343.	.28941
#2	27.624	12.073	.01064	1.0560	.18940	51265.	.29290
#3	27.782	12.093	.01071	1.0584	.18597	50846.	.28672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082506 Acquired: 4/1/2011 13:21:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2637.7**	F **264.08**	F **-81141.**	**.00871**	**.01117**	**6.3342**	**.00802**
Stddev	687.7	1.39	550.	.00208	.00110	.0452	.00041
%RSD	26.071	.52730	.67821	23.879	9.8576	.71403	5.1069
#1	-3364.3	264.24	-81475.	.00665	.01244	6.3681	.00838
#2	-1997.0	265.38	-81441.	.00868	.01055	6.3516	.00810
#3	-2551.9	262.61	-80506.	.01081	.01052	6.2828	.00758
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56894**	**.35157**	**.01433**	**.54460**	**.52940**	F **256.65**
Stddev	.00079	.00089	.00118	.00099	.00316	.38
%RSD	.13837	.25431	8.2166	.18124	.59729	.14705
#1	.56983	.35077	.01569	.54367	.53035	257.03
#2	.56832	.35253	.01357	.54563	.53198	256.65
#3	.56868	.35140	.01374	.54449	.52588	256.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63479.**	**69596.**
Stddev	398.	458.
%RSD	.62717	.65824
#1	63259.	70101.
#2	63239.	69480.
#3	63938.	69207.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 13:25:12 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42003**	**10.090**	**.40925**	**.50614**	**.96558**	**.05060**	**9.6708**
Stddev	.00115	.051	.00218	.00348	.00215	.00010	.0175
%RSD	.27451	.50220	.53328	.68690	.22301	.20353	.18076
#1	.41973	10.127	.41127	.50837	.96717	.05071	9.6838
#2	.42130	10.111	.40694	.50792	.96645	.05060	9.6777
#3	.41906	10.032	.40953	.50214	.96313	.05050	9.6510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05147**	**.20805**	**.49896**	**.51894**	**3.9406**	**48.944**	**.98253**
Stddev	.00015	.00067	.00236	.00109	.0093	.065	.00183
%RSD	.29273	.32148	.47351	.20957	.23632	.13253	.18645
#1	.05164	.20881	.50132	.52019	3.9461	48.995	.98045
#2	.05135	.20780	.49896	.51816	3.9460	48.966	.98326
#3	.05141	.20755	.49660	.51848	3.9299	48.871	.98390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.102**	**.49865**	**1.0613**	**50.065**	**.51367**	F **89.398**	**.51519**
Stddev	.029	.00111	.0006	.074	.00075	22.404	.00233
%RSD	.29193	.22190	.05680	.14747	.14650	25.061	.45144
#1	10.136	.49852	1.0606	50.150	.51424	91.024	.51591
#2	10.085	.49761	1.0617	50.017	.51282	110.94	.51258
#3	10.084	.49981	1.0616	50.028	.51397	66.225	.51707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 13:25:12 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1279.1**	F **11.012**	F **-188.58**	**1.2566**	**.41096**	F **15.172**	**1.0723**
Stddev	812.9	.359	122.89	.0076	.00186	.019	.0008
%RSD	63.551	3.2628	65.167	.60448	.45371	.12519	.07613
#1	382.08	10.847	-102.70	1.2635	.41277	15.185	1.0726
#2	1967.0	10.765	-133.69	1.2485	.40905	15.150	1.0713
#3	1488.3	11.425	-329.35	1.2578	.41107	15.182	1.0728
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	10.000%	10.000%	-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96858**	**1.0275**	**.52442**	**1.0404**	**1.0408**	F **1.5554**
Stddev	.00084	.0006	.00276	.0058	.0007	.2402
%RSD	.08691	.05989	.52591	.55877	.06454	15.444
#1	.96953	1.0281	.52665	1.0445	1.0411	1.3893
#2	.96829	1.0268	.52134	1.0430	1.0412	1.4462
#3	.96793	1.0276	.52528	1.0337	1.0400	1.8309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63912.**	**64950.**
Stddev	163.	183.
%RSD	.25496	.28237
#1	63727.	64767.
#2	63973.	65133.
#3	64035.	64951.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 13:28:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.02389**	**-.00026**	**.00165**	**.00060**	**.00002**	**.01536**
Stddev	.00055	.00048	.00059	.00031	.00013	.00001	.00578
%RSD	1635.2	2.0084	226.04	19.112	22.001	32.860	37.649
#1	-.00014	.02336	-.00079	.00185	.00045	.00001	.01875
#2	.00057	.02429	.00037	.00181	.00071	.00001	.01866
#3	-.00053	.02403	-.00036	.00128	.00064	.00002	.00869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00010**	**-.00013**	**.00026**	F **.02968**	**.07706**	**-.00117**
Stddev	.00010	.00010	.00023	.00011	.00535	.01104	.00219
%RSD	315.93	96.194	178.47	41.946	18.040	14.324	187.81
#1	.00002	-.00003	-.00007	.00038	.03553	.08956	-.00334
#2	-.00014	-.00021	.00007	.00017	.02849	.06863	.00104
#3	.00003	-.00006	-.00038	.00023	.02502	.07300	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.02000		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01014**	**.00092**	**.00023**	**-.00438**	**-.00015**	F **76.565**	**-.00061**
Stddev	.00402	.00014	.00009	.00178	.00015	24.144	.00138
%RSD	39.635	14.927	38.833	40.570	101.57	31.534	227.55
#1	-.01174	.00091	.00032	-.00279	.00002	102.63	.00098
#2	-.00556	.00079	.00014	-.00406	-.00026	54.961	-.00154
#3	-.01310	.00106	.00022	-.00630	-.00022	72.107	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 13:28:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1833.4**	**.29839**	F **-128.89**	**.00028**	**-.00110**	**.01044**	**.00145**
Stddev	717.9	.01056	5.74	.00008	.00241	.00244	.00012
%RSD	39.156	3.5398	4.4551	28.574	219.45	23.344	8.5066
#1	1046.4	.30166	-134.63	.00037	-.00218	.01259	.00131
#2	2452.4	.30693	-123.15	.00021	-.00278	.01093	.00148
#3	2001.3	.28658	-128.89	.00027	.00166	.00779	.00155
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00050**	**-.00082**	**.00015**	**.00039**	F **-.12444**
Stddev	.00005	.00022	.00038	.00001	.00004	.15817
%RSD	15.908	43.548	46.541	7.6923	10.588	127.11
#1	.00030	-.00025	-.00060	.00016	.00040	-.03949
#2	.00036	-.00058	-.00126	.00014	.00035	-.30694
#3	.00026	-.00065	-.00059	.00014	.00043	-.02689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64912.**	**64296.**
Stddev	168.	205.
%RSD	.25855	.31837
#1	65083.	64532.
#2	64748.	64190.
#3	64905.	64167.

Approved: April 04, 2011

Sample Name: L1103082507 Acquired: 4/1/2011 13:32:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00463**	**235.49**	**.10901**	**.12598**	**2.5665**	**.01504**	**46.742**
Stddev	.00019	1.60	.00081	.00237	.0089	.00002	.161
%RSD	4.0597	.67941	.74209	1.8803	.34637	.11994	.34341
#1	.00485	236.90	.10947	.12328	2.5675	.01506	46.636
#2	.00454	233.75	.10807	.12768	2.5572	.01502	46.663
#3	.00451	235.81	.10947	.12699	2.5749	.01503	46.927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**.10823**	**.29625**	**.15766**	**274.70**	**15.302**	**.17700**
Stddev	.00004	.00072	.00052	.00170	3.18	.020	.00149
%RSD	.69022	.66199	.17632	1.0811	1.1576	.12838	.83936
#1	.00590	.10810	.29638	.15802	271.09	15.303	.17677
#2	.00597	.10759	.29567	.15581	277.10	15.281	.17565
#3	.00598	.10901	.29669	.15916	275.92	15.321	.17859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.903**	**8.7301**	**.01085**	**1.0372**	**.17481**	F **44234.**	**.31122**
Stddev	.096	.0226	.00020	.0105	.00043	267.	.00151
%RSD	.37233	.25923	1.7981	1.0122	.24853	.60332	.48567
#1	25.918	8.7267	.01070	1.0328	.17457	44116.	.31242
#2	25.799	8.7093	.01079	1.0296	.17454	44046.	.30952
#3	25.990	8.7542	.01107	1.0492	.17531	44539.	.31172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082507 Acquired: 4/1/2011 13:32:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2444.3**	F **162.29**	F **-56565.**	**.00802**	**.00887**	**6.2132**	**.00887**
Stddev	107.4	.98	326.	.00127	.00104	.0221	.00037
%RSD	4.3925	.60414	.57612	15.886	11.780	.35556	4.1906
#1	-2320.6	162.23	-56430.	.00893	.00994	6.2064	.00874
#2	-2513.4	161.34	-56329.	.00656	.00785	6.1954	.00858
#3	-2499.0	163.30	-56937.	.00856	.00881	6.2379	.00929
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39224**	**.43653**	**.01415**	**.58350**	**.64056**	F **266.61**
Stddev	.00083	.00219	.00028	.00125	.00357	.49
%RSD	.21098	.50245	1.9702	.21490	.55756	.18536
#1	.39155	.43451	.01385	.58258	.63881	266.05
#2	.39201	.43621	.01418	.58299	.63820	266.96
#3	.39316	.43886	.01441	.58493	.64467	266.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65138.**	**70667.**
Stddev	219.	502.
%RSD	.33549	.70996
#1	65051.	70094.
#2	65387.	70879.
#3	64976.	71027.

Approved: April 04, 2011

Sample Name: L1103082508 Acquired: 4/1/2011 13:35:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**199.30**	**.12544**	**.12975**	**2.2346**	**.01493**	**137.02**
Stddev	.00047	1.38	.00145	.00184	.0063	.00005	.13
%RSD	10.503	.69167	1.1551	1.4152	.28050	.32222	.09454
#1	.00493	197.87	.12384	.12832	2.2335	.01491	136.98
#2	.00435	200.62	.12583	.12911	2.2290	.01499	136.92
#3	.00401	199.43	.12665	.13182	2.2414	.01490	137.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**.14420**	**.30315**	**.15793**	**299.40**	**15.604**	**.16378**
Stddev	.00007	.00037	.00098	.00133	2.35	.066	.00215
%RSD	1.8183	.25967	.32474	.84431	.78520	.42578	1.3139
#1	.00407	.14453	.30231	.15944	298.48	15.531	.16293
#2	.00417	.14379	.30424	.15690	297.66	15.621	.16219
#3	.00402	.14429	.30291	.15745	302.08	15.660	.16623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.669**	**9.0681**	**.01212**	**.87024**	**.16589**	F **47936.**	**.36683**
Stddev	.175	.0364	.00007	.00851	.00024	52.	.00155
%RSD	.63200	.40123	.60515	.97827	.14442	.10934	.42321
#1	27.477	9.0264	.01220	.86788	.16616	47983.	.36860
#2	27.708	9.0849	.01205	.87968	.16585	47946.	.36570
#3	27.821	9.0931	.01212	.86315	.16568	47880.	.36619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082508 Acquired: 4/1/2011 13:35:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1934.4**	F **261.09**	F **-60868.**	**.01067**	**.01100**	**6.3227**	**.00650**
Stddev	485.5	.88	88.	.00099	.00167	.0158	.00016
%RSD	25.097	.33756	.14495	9.2991	15.193	.24968	2.4425
#1	-2492.4	262.05	-60839.	.00953	.00908	6.3407	.00634
#2	-1609.3	260.32	-60797.	.01133	.01179	6.3159	.00666
#3	-1701.5	260.90	-60966.	.01115	.01214	6.3114	.00651
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77666**	**.35489**	**.01512**	**.60755**	**.46061**	F **235.43**
Stddev	.00110	.00100	.00088	.00112	.00103	1.30
%RSD	.14169	.28237	5.8363	.18388	.22306	.55376
#1	.77578	.35389	.01421	.60843	.46154	235.56
#2	.77789	.35489	.01518	.60793	.45951	236.67
#3	.77630	.35590	.01597	.60630	.46079	234.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64024.**	**70094.**
Stddev	158.	183.
%RSD	.24725	.26042
#1	63843.	70300.
#2	64137.	70031.
#3	64093.	69951.

Approved: April 04, 2011

Sample Name: L1103082509 Acquired: 4/1/2011 13:39:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**160.87**	**.09131**	**.10187**	**2.0161**	**.01263**	**63.454**
Stddev	.00011	.89	.00132	.00334	.0059	.00005	.199
%RSD	4.1957	.55553	1.4448	3.2775	.29244	.42661	.31358
#1	.00274	160.92	.09002	.09815	2.0140	.01265	63.225
#2	.00255	161.74	.09266	.10459	2.0228	.01266	63.584
#3	.00275	159.96	.09126	.10288	2.0116	.01256	63.553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.09240**	**.21448**	**.13738**	**236.90**	**10.827**	**.11103**
Stddev	.00008	.00029	.00146	.00007	4.78	.047	.00028
%RSD	2.0876	.30911	.68081	.05185	2.0196	.43524	.25060
#1	.00397	.09216	.21501	.13743	231.38	10.783	.11111
#2	.00412	.09272	.21561	.13740	239.87	10.877	.11072
#3	.00412	.09232	.21283	.13730	239.45	10.820	.11127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.016**	**4.9328**	**.01029**	**.89787**	**.13512**	F **36668.**	**.23924**
Stddev	.081	.0159	.00026	.01042	.00048	103.	.00044
%RSD	.34984	.32196	2.4937	1.1605	.35835	.28188	.18450
#1	22.925	4.9145	.01020	.90692	.13528	36693.	.23940
#2	23.076	4.9407	.01058	.88648	.13551	36756.	.23875
#3	23.049	4.9432	.01009	.90022	.13458	36554.	.23959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082509 Acquired: 4/1/2011 13:39:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1297.7**	F **157.30**	F **-46645.**	**.00735**	**.00802**	**6.3908**	**.00497**
Stddev	697.3	.25	107.	.00144	.00116	.0073	.00036
%RSD	53.734	.15911	.22843	19.608	14.515	.11376	7.2516
#1	-1820.1	157.57	-46564.	.00598	.00856	6.3966	.00530
#2	-505.88	157.08	-46766.	.00723	.00668	6.3827	.00502
#3	-1567.3	157.23	-46605.	.00885	.00882	6.3932	.00458
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42831**	**.23499**	**.00923**	**.44736**	**.45388**	F **193.49**
Stddev	.00142	.00099	.00179	.00115	.00075	.89
%RSD	.33112	.41996	19.387	.25694	.16444	.45767
#1	.42667	.23438	.01127	.44854	.45313	193.93
#2	.42903	.23447	.00794	.44730	.45463	194.06
#3	.42921	.23613	.00848	.44625	.45387	192.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64702.**	**68985.**
Stddev	44.	213.
%RSD	.06751	.30811
#1	64670.	69224.
#2	64683.	68816.
#3	64751.	68916.

Approved: April 04, 2011

Sample Name: L1103082510S Acquired: 4/1/2011 13:43:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18422**	**189.04**	**.26692**	**.11805**	**1.9883**	**.01298**	**47.769**
Stddev	.00048	.26	.00188	.00191	.0067	.00004	.121
%RSD	.25955	.13726	.70478	1.6198	.33883	.29994	.25350
#1	.18442	189.02	.26778	.11645	1.9889	.01296	47.784
#2	.18457	188.80	.26476	.11754	1.9813	.01295	47.642
#3	.18367	189.31	.26822	.12017	1.9947	.01302	47.882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02637**	**.09739**	**.25718**	**.37454**	**259.63**	**15.185**	**.15087**
Stddev	.00018	.00026	.00079	.00102	1.04	.010	.00190
%RSD	.66741	.26403	.30806	.27340	.40035	.06653	1.2623
#1	.02630	.09712	.25685	.37469	258.47	15.183	.15184
#2	.02624	.09740	.25661	.37345	259.94	15.177	.14868
#3	.02657	.09764	.25809	.37548	260.47	15.196	.15209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.942**	**5.0360**	**.00949**	**.91475**	**.17131**	F **41450.**	**.46057**
Stddev	.172	.0070	.00042	.00887	.00082	128.	.00093
%RSD	.66195	.13974	4.3995	.97005	.48064	.30870	.20149
#1	25.976	5.0315	.00952	.91063	.17053	41356.	.46153
#2	25.756	5.0325	.00988	.92494	.17124	41399.	.45968
#3	26.094	5.0441	.00905	.90869	.17217	41596.	.46048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082510S Acquired: 4/1/2011 13:43:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1414.9**	F **127.33**	F **-39279.**	**.00713**	**.00863**	**7.0450**	**.00580**
Stddev	618.3	.51	96.	.00177	.00118	.0272	.00017
%RSD	43.697	.40020	.24331	24.875	13.656	.38569	3.0164
#1	-712.64	126.96	-39230.	.00572	.00731	7.0318	.00570
#2	-1654.9	127.12	-39219.	.00912	.00899	7.0269	.00600
#3	-1877.2	127.91	-39389.	.00655	.00957	7.0762	.00570
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38498**	**.34974**	**.01023**	**.48451**	**.60634**	F **193.16**
Stddev	.00010	.00052	.00059	.00056	.00175	.58
%RSD	.02697	.14980	5.7839	.11494	.28810	.30268
#1	.38492	.34939	.01007	.48459	.60692	193.40
#2	.38510	.34948	.00974	.48392	.60772	192.49
#3	.38493	.35034	.01089	.48502	.60438	193.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64539.**	**68302.**
Stddev	105.	558.
%RSD	.16325	.81689
#1	64432.	68111.
#2	64542.	68931.
#3	64642.	67865.

Approved: April 04, 2011

Sample Name: L1103082511SD Acquired: 4/1/2011 13:46:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18040**	**236.95**	**.30397**	**.14394**	**3.0545**	**.01741**	**42.138**
Stddev	.00154	3.63	.00490	.00242	.0088	.00024	.096
%RSD	.85525	1.5328	1.6120	1.6831	.28820	1.3740	.22765
#1	.17917	232.76	.29962	.14157	3.0644	.01723	42.243
#2	.17990	238.78	.30301	.14385	3.0516	.01733	42.116
#3	.18213	239.30	.30928	.14641	3.0476	.01768	42.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02579**	**.15257**	**.31475**	**.37429**	**338.91**	**13.821**	**.15652**
Stddev	.00028	.00205	.00478	.00578	3.58	.052	.00110
%RSD	1.0980	1.3420	1.5191	1.5438	1.0570	.37437	.70080
#1	.02550	.15066	.31024	.36790	337.11	13.878	.15753
#2	.02581	.15232	.31424	.37583	336.58	13.777	.15536
#3	.02607	.15473	.31976	.37914	343.03	13.809	.15668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.321**	**9.9733**	**.01704**	**1.1079**	**.15713**	F **38359.**	**.63385**
Stddev	.078	.0054	.00021	.0053	.00165	579.	.00934
%RSD	.27419	.05412	1.2107	.48066	1.0507	1.5094	1.4737
#1	28.320	9.9723	.01693	1.1104	.15550	37931.	.62625
#2	28.244	9.9685	.01692	1.1116	.15710	38128.	.63102
#3	28.399	9.9792	.01728	1.1018	.15880	39018.	.64428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082511SD Acquired: 4/1/2011 13:46:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360107-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2391.9**	F **128.94**	F **-43008.**	**.00985**	**.01336**	**6.8536**	**.00806**
Stddev	488.7	1.67	532.	.00076	.00071	.0920	.00024
%RSD	20.430	1.2974	1.2361	7.7652	5.3333	1.3419	2.9933
#1	-2855.3	127.22	-42637.	.01011	.01267	6.7734	.00819
#2	-2439.2	129.04	-42769.	.00898	.01331	6.8334	.00778
#3	-1881.4	130.56	-43617.	.01044	.01409	6.9540	.00822
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37165**	**.33400**	**.01718**	**.67937**	**.42672**	F **262.45**
Stddev	.00079	.00055	.00086	.00609	.00620	2.72
%RSD	.21163	.16429	5.0172	.89648	1.4532	1.0373
#1	.37239	.33433	.01628	.67354	.42233	259.54
#2	.37175	.33337	.01799	.67888	.42401	262.87
#3	.37082	.33431	.01728	.68569	.43381	264.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65103.**	**71148.**
Stddev	694.	372.
%RSD	1.0659	.52327
#1	65754.	70732.
#2	65181.	71448.
#3	64373.	71266.

Approved: April 04, 2011

Sample Name: L1103082512 Acquired: 4/1/2011 13:50:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**172.62**	**.08849**	**.09587**	**1.9601**	**.01281**	**40.264**
Stddev	.00011	1.36	.00060	.00157	.0039	.00004	.039
%RSD	3.1190	.78652	.67834	1.6349	.19822	.30513	.09808
#1	.00351	174.18	.08896	.09407	1.9585	.01280	40.260
#2	.00343	171.80	.08782	.09687	1.9645	.01278	40.305
#3	.00330	171.86	.08870	.09668	1.9573	.01285	40.226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**.09641**	**.24487**	**.14717**	**223.64**	**10.876**	**.12229**
Stddev	.00012	.00055	.00140	.00165	1.75	.031	.00048
%RSD	2.3361	.56962	.57171	1.1228	.78343	.28053	.39199
#1	.00536	.09704	.24640	.14907	221.72	10.871	.12228
#2	.00512	.09613	.24365	.14640	224.07	10.849	.12181
#3	.00523	.09606	.24456	.14605	225.14	10.909	.12277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.141**	**5.4746**	**.00940**	**.72939**	**.12617**	F **49223.**	**.25952**
Stddev	.050	.0060	.00005	.00177	.00026	231.	.00100
%RSD	.27371	.11036	.50893	.24334	.20866	.47021	.38365
#1	18.085	5.4677	.00935	.73023	.12646	49480.	.25918
#2	18.180	5.4775	.00940	.72735	.12610	49031.	.25873
#3	18.159	5.4786	.00944	.73059	.12595	49158.	.26064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082512 Acquired: 4/1/2011 13:50:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1796.5**	F **173.84**	F **-65431.**	**.00738**	**.00999**	**7.2989**	**.00634**
Stddev	546.2	1.18	165.	.00079	.00089	.0254	.00035
%RSD	30.403	.68090	.25233	10.744	8.9420	.34820	5.4488
#1	-2365.9	175.21	-65608.	.00719	.01100	7.3283	.00669
#2	-1746.4	173.23	-65405.	.00671	.00967	7.2837	.00600
#3	-1277.0	173.09	-65281.	.00826	.00931	7.2848	.00633
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31055**	**.27782**	**.01073**	**.47719**	**.58073**	F **202.63**
Stddev	.00039	.00065	.00063	.00132	.00092	1.93
%RSD	.12404	.23399	5.9178	.27734	.15900	.95165
#1	.31099	.27773	.01035	.47867	.58170	204.74
#2	.31031	.27851	.01038	.47613	.57987	200.96
#3	.31034	.27722	.01146	.47678	.58062	202.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65243.**	**70943.**
Stddev	303.	284.
%RSD	.46476	.40013
#1	64893.	71069.
#2	65427.	71141.
#3	65410.	70618.

Approved: April 04, 2011

Sample Name: L1103082513 Acquired: 4/1/2011 13:53:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**198.32**	**.09428**	**.10392**	**2.3592**	**.01392**	**35.979**
Stddev	.00024	.60	.00055	.00077	.0023	.00009	.106
%RSD	5.2735	.30347	.58566	.73667	.09707	.65378	.29591
#1	.00454	198.82	.09436	.10309	2.3601	.01387	36.080
#2	.00465	197.65	.09479	.10407	2.3608	.01387	35.990
#3	.00420	198.50	.09369	.10460	2.3565	.01403	35.868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00519**	**.16496**	**.25498**	**.12432**	**236.60**	**11.482**	**.14321**
Stddev	.00015	.00042	.00192	.00043	1.22	.034	.00059
%RSD	2.8928	.25176	.75292	.34397	.51666	.29910	.40929
#1	.00514	.16471	.25393	.12382	235.26	11.521	.14308
#2	.00536	.16473	.25381	.12454	237.65	11.455	.14270
#3	.00508	.16544	.25720	.12459	236.90	11.471	.14385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.363**	**11.980**	**.01031**	**.83719**	**.14992**	F **40922.**	**.29078**
Stddev	.081	.015	.00032	.00339	.00063	85.	.00044
%RSD	.39663	.12799	3.0695	.40495	.42104	.20865	.15200
#1	20.452	11.993	.01066	.83407	.14930	40917.	.29108
#2	20.342	11.983	.01021	.84080	.14991	40839.	.29099
#3	20.295	11.963	.01005	.83670	.15056	41009.	.29028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082513 Acquired: 4/1/2011 13:53:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2403.1**	F **142.84**	F **-52747.**	**.00664**	**.01023**	**6.4761**	**.00668**
Stddev	255.8	.67	51.	.00151	.00097	.0210	.00029
%RSD	10.644	.47190	.09753	22.747	9.4447	.32405	4.3083
#1	-2184.3	142.48	-52694.	.00521	.01050	6.4553	.00638
#2	-2684.3	142.42	-52750.	.00649	.00915	6.4758	.00670
#3	-2340.6	143.61	-52796.	.00822	.01102	6.4972	.00696
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31109**	**.30811**	**.01469**	**.52149**	**.49789**	F **225.71**
Stddev	.00053	.00233	.00076	.00407	.00021	2.28
%RSD	.16959	.75688	5.1750	.77953	.04225	1.0103
#1	.31154	.30980	.01438	.51710	.49769	223.58
#2	.31122	.30909	.01555	.52222	.49811	225.44
#3	.31051	.30545	.01413	.52513	.49788	228.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65742.**	**71240.**
Stddev	225.	752.
%RSD	.34290	1.0558
#1	65995.	70493.
#2	65664.	71229.
#3	65565.	71997.

Approved: April 04, 2011

Sample Name: L1103082514 Acquired: 4/1/2011 13:57:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00295**	**134.25**	**.08653**	**.10926**	**1.4485**	**.01203**	**199.99**
Stddev	.00026	1.28	.00085	.00148	.0039	.00007	.45
%RSD	8.6565	.95423	.98442	1.3544	.26655	.62098	.22442
#1	.00284	132.77	.08645	.10811	1.4485	.01198	199.79
#2	.00324	135.06	.08572	.10874	1.4524	.01212	200.50
#3	.00277	134.92	.08742	.11093	1.4447	.01200	199.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.08079**	**.20640**	**.12270**	**271.42**	**8.7836**	**.09987**
Stddev	.00006	.00056	.00173	.00163	3.38	.0271	.00028
%RSD	1.4826	.68725	.83947	1.3304	1.2441	.30832	.27712
#1	.00409	.08033	.20472	.12082	267.65	8.8097	.09964
#2	.00415	.08063	.20818	.12359	272.45	8.7854	.09978
#3	.00422	.08141	.20629	.12369	274.16	8.7557	.10017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.233**	**4.3004**	**.00871**	**.59656**	**.10894**	F **36165.**	**.21750**
Stddev	.036	.0058	.00012	.00595	.00072	161.	.00164
%RSD	.25504	.13534	1.4251	.99667	.66394	.44525	.75415
#1	14.191	4.2956	.00882	.60342	.10839	35979.	.21574
#2	14.257	4.3069	.00857	.59340	.10866	36247.	.21779
#3	14.251	4.2987	.00875	.59286	.10976	36268.	.21898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082514 Acquired: 4/1/2011 13:57:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1934.3**	F **284.17**	F **-41113.**	**.00584**	**.00648**	**5.9267**	**.00353**
Stddev	517.2	1.06	177.	.00132	.00135	.0059	.00022
%RSD	26.739	.37438	.43020	22.533	20.900	.09925	6.3361
#1	-2050.3	282.95	-41044.	.00525	.00510	5.9204	.00354
#2	-1368.9	284.77	-40980.	.00493	.00652	5.9321	.00331
#3	-2383.7	284.80	-41313.	.00735	.00781	5.9275	.00376
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94095**	**.21674**	**.00973**	**.40406**	**.41483**	F **140.14**
Stddev	.00113	.00046	.00056	.00100	.00099	.91
%RSD	.11975	.21268	5.7693	.24641	.23981	.65177
#1	.94054	.21621	.01038	.40320	.41371	139.09
#2	.94222	.21705	.00942	.40515	.41563	140.79
#3	.94007	.21695	.00940	.40384	.41513	140.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63595.**	**70231.**
Stddev	179.	113.
%RSD	.28224	.16081
#1	63791.	70174.
#2	63439.	70157.
#3	63554.	70361.

Approved: April 04, 2011

Sample Name: L1103082515 Acquired: 4/1/2011 14:01:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**168.08**	**.09995**	**.12760**	**2.4688**	**.01367**	**50.064**
Stddev	.00016	.81	.00104	.00256	.0124	.00003	.238
%RSD	4.4443	.48042	1.0371	2.0039	.50182	.25192	.47625
#1	.00365	167.88	.10108	.13050	2.4831	.01367	50.324
#2	.00342	167.40	.09904	.12569	2.4616	.01364	49.855
#3	.00372	168.98	.09974	.12659	2.4617	.01371	50.014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00627**	**.18686**	**.25846**	**.19409**	**282.62**	**19.980**	**.16188**
Stddev	.00005	.00029	.00108	.00018	4.99	.141	.00112
%RSD	.76400	.15759	.41674	.09321	1.7642	.70401	.68945
#1	.00630	.18718	.25755	.19403	287.54	20.137	.16314
#2	.00622	.18661	.25819	.19429	277.57	19.866	.16103
#3	.00630	.18677	.25965	.19394	282.77	19.936	.16146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.620**	**10.357**	**.00743**	**.89695**	**.23440**	F **55721.**	**.31583**
Stddev	.187	.087	.00015	.00818	.00058	125.	.00102
%RSD	.65277	.83594	2.0685	.91162	.24915	.22347	.32243
#1	28.827	10.455	.00753	.90490	.23376	55798.	.31697
#2	28.463	10.290	.00751	.89740	.23491	55577.	.31499
#3	28.570	10.326	.00725	.88856	.23452	55787.	.31554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082515 Acquired: 4/1/2011 14:01:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2094.2**	F **138.82**	F **-44436.**	**.00809**	**.00820**	**6.0897**	**.00678**
Stddev	284.7	.34	61.	.00246	.00226	.0029	.00028
%RSD	13.595	.24571	.13678	30.360	27.554	.04783	4.0730
#1	-2126.4	138.63	-44506.	.00525	.00826	6.0888	.00659
#2	-1794.7	138.62	-44405.	.00957	.00591	6.0874	.00710
#3	-2361.4	139.22	-44397.	.00944	.01043	6.0930	.00666
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41089**	**.24225**	**.01140**	**.43892**	**.78195**	F **142.13**
Stddev	.00305	.00228	.00046	.00203	.00044	.59
%RSD	.74169	.94149	4.0716	.46360	.05570	.41814
#1	.41421	.24482	.01112	.43970	.78156	142.51
#2	.40821	.24045	.01194	.43661	.78242	141.44
#3	.41026	.24149	.01114	.44045	.78187	142.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64797.**	**69451.**
Stddev	120.	650.
%RSD	.18474	.93553
#1	64666.	68701.
#2	64901.	69804.
#3	64824.	69848.

Approved: April 04, 2011

Sample Name: L1103082516 Acquired: 4/1/2011 14:04:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**202.84**	**.09645**	**.11635**	**1.6575**	**.01203**	**34.905**
Stddev	.00040	.90	.00275	.00184	.0030	.00005	.104
%RSD	8.3243	.44433	2.8472	1.5797	.18157	.37722	.29902
#1	.00474	203.82	.09856	.11678	1.6598	.01203	34.985
#2	.00445	202.64	.09745	.11793	1.6586	.01207	34.787
#3	.00524	202.05	.09335	.11433	1.6541	.01198	34.943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00531**	**.09257**	**.25942**	**.15422**	**260.42**	**14.742**	**.15013**
Stddev	.00005	.00024	.00119	.00024	2.64	.024	.00123
%RSD	1.0338	.25575	.45839	.15623	1.0136	.16443	.81947
#1	.00524	.09277	.26010	.15441	261.24	14.726	.15003
#2	.00533	.09264	.26010	.15428	262.56	14.729	.15140
#3	.00535	.09231	.25804	.15395	257.47	14.770	.14895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.700**	**5.5725**	**.01113**	**.99450**	**.13318**	F **59155.**	**.28824**
Stddev	.025	.0124	.00015	.00859	.00045	55.	.00193
%RSD	.12536	.22159	1.3195	.86414	.33452	.09325	.66903
#1	19.671	5.5680	.01106	.99265	.13350	59132.	.28690
#2	19.714	5.5630	.01130	.98698	.13267	59217.	.29045
#3	19.714	5.5864	.01104	1.0039	.13336	59114.	.28737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082516 Acquired: 4/1/2011 14:04:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2610.3**	F **163.26**	F **-62608.**	**.00975**	**.00902**	**6.0851**	**.00797**
Stddev	284.0	.65	39.	.00085	.00147	.0020	.00014
%RSD	10.878	.39999	.06168	8.7284	16.293	.03329	1.7051
#1	-2856.3	163.81	-62632.	.01015	.01072	6.0870	.00781
#2	-2299.6	163.42	-62627.	.01033	.00821	6.0854	.00801
#3	-2675.0	162.54	-62563.	.00877	.00814	6.0830	.00807
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26979**	**.44397**	**.01238**	**.51055**	**.65938**	F **224.00**
Stddev	.00105	.00065	.00122	.00142	.00083	.86
%RSD	.38924	.14597	9.8203	.27894	.12559	.38402
#1	.27063	.44381	.01239	.51095	.65871	224.41
#2	.26861	.44342	.01116	.51174	.66031	224.57
#3	.27013	.44469	.01359	.50897	.65912	223.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64295.**	**70749.**
Stddev	210.	223.
%RSD	.32702	.31511
#1	64164.	70607.
#2	64183.	70634.
#3	64538.	71006.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 14:08:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41844**	**10.064**	**.40362**	**.50099**	**.95217**	**.05026**	**9.5283**
Stddev	.00162	.066	.00275	.00342	.00463	.00022	.0546
%RSD	.38612	.65503	.68091	.68183	.48617	.44242	.57298
#1	.42025	10.124	.40672	.50490	.94990	.05049	9.5375
#2	.41714	9.9937	.40266	.49860	.94912	.05004	9.4696
#3	.41792	10.075	.40148	.49946	.95750	.05025	9.5776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05111**	**.20637**	**.49483**	**.51348**	**3.9748**	**48.171**	**.97278**
Stddev	.00048	.00112	.00293	.00255	.0167	.204	.00358
%RSD	.94853	.54182	.59225	.49595	.42106	.42260	.36759
#1	.05165	.20755	.49702	.51604	3.9833	48.103	.97276
#2	.05070	.20532	.49151	.51094	3.9555	48.010	.96921
#3	.05100	.20623	.49597	.51347	3.9856	48.400	.97637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9443**	**.49570**	**1.0497**	**49.413**	**.50805**	F **73.804**	**.51081**
Stddev	.0364	.00213	.0007	.187	.00203	16.779	.00105
%RSD	.36563	.43022	.06991	.37791	.39911	22.734	.20521
#1	9.9697	.49802	1.0489	49.494	.51032	68.111	.51190
#2	9.9027	.49382	1.0504	49.200	.50640	60.613	.51073
#3	9.9606	.49527	1.0498	49.546	.50744	92.689	.50980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 14:08:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1160.2**	**10.625**	F **-44.529**	**1.2497**	**.40936**	F **15.039**	**1.0585**
Stddev	260.3	.073	17.216	.0009	.00357	.055	.0035
%RSD	22.439	.68857	38.662	.07383	.87324	.36738	.33321
#1	1235.3	10.686	-63.916	1.2500	.41344	15.102	1.0622
#2	870.60	10.644	-31.027	1.2504	.40679	15.002	1.0551
#3	1374.8	10.544	-38.645	1.2486	.40784	15.011	1.0582
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95615**	**1.0172**	**.51881**	**1.0338**	**1.0273**	F **1.5525**
Stddev	.00348	.0013	.00049	.0055	.0029	.2689
%RSD	.36442	.13192	.09429	.52675	.28541	17.321
#1	.95736	1.0173	.51904	1.0400	1.0298	1.2466
#2	.95222	1.0159	.51825	1.0300	1.0241	1.7518
#3	.95886	1.0186	.51914	1.0313	1.0280	1.6591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64629.**	**66343.**
Stddev	274.	304.
%RSD	.42440	.45890
#1	64398.	66055.
#2	64932.	66662.
#3	64556.	66311.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 14:11:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.03535**	**.00018**	**.00121**	**.00034**	**.00001**	**.00426**
Stddev	.00034	.00207	.00040	.00086	.00019	.00001	.00416
%RSD	84.265	5.8561	224.61	71.503	55.769	78.429	97.615
#1	-.00047	.03731	.00063	.00220	.00046	.00001	.00332
#2	-.00003	.03555	.00004	.00077	.00045	.00002	.00065
#3	-.00070	.03319	-.00013	.00065	.00012	.00000	.00881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00003**	**.00001**	**.00014**	F **.04402**	**.05723**	**-.00249**
Stddev	.00003	.00008	.00024	.00037	.00268	.01579	.00104
%RSD	47.150	246.43	3362.2	267.94	6.0863	27.584	41.593
#1	-.00005	-.00005	-.00012	-.00011	.04635	.04644	-.00369
#2	-.00011	.00006	-.00014	-.00004	.04461	.04991	-.00188
#3	-.00006	-.00010	.00028	.00057	.04109	.07535	-.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.02000		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00855**	**.00135**	**.00037**	**-.00379**	**-.00054**	F **64.754**	**-.00179**
Stddev	.00567	.00014	.00009	.00208	.00049	30.389	.00105
%RSD	66.334	10.347	23.757	54.809	90.535	46.931	58.640
#1	-.01509	.00148	.00038	-.00488	-.00097	92.580	-.00300
#2	-.00546	.00120	.00028	-.00139	-.00001	32.326	-.00110
#3	-.00509	.00136	.00046	-.00509	-.00062	69.355	-.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 14:11:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **898.26**	**.15494**	F **-66.553**	**.00079**	**-.00138**	**.00632**	**.00093**
Stddev	284.15	.01445	8.609	.00050	.00103	.00259	.00036
%RSD	31.634	9.3239	12.936	63.888	74.546	40.962	38.375
#1	923.45	.16964	-60.551	.00053	-.00031	.00888	.00058
#2	1169.0	.15443	-62.690	.00137	-.00237	.00370	.00129
#3	602.35	.14076	-76.417	.00047	-.00148	.00638	.00090
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00136**	**-.00104**	**.00015**	**.00029**	F **-.21072**
Stddev	.00005	.00025	.00007	.00014	.00003	.06142
%RSD	31.884	18.051	6.8758	92.197	10.884	29.149
#1	.00010	-.00138	-.00112	.00000	.00026	-.14762
#2	.00020	-.00111	-.00099	.00028	.00033	-.21422
#3	.00017	-.00160	-.00101	.00017	.00029	-.27032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66289.**	**65693.**
Stddev	188.	194.
%RSD	.28397	.29549
#1	66342.	65471.
#2	66445.	65832.
#3	66080.	65774.

Approved: April 04, 2011

Sample Name: L1103099901 Acquired: 4/1/2011 14:15:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 10 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**12.143**	**.21527**	**.03828**	**.57599**	**.00351**
Stddev	.00020	.024	.00070	.00043	.00069	.00002
%RSD	30.617	.20125	.32516	1.1204	.12026	.44181
#1	.00071	12.142	.21523	.03876	.57530	.00350
#2	.00080	12.119	.21459	.03794	.57599	.00353
#3	.00042	12.168	.21599	.03814	.57668	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.143**	**.00234**	**.01511**	**.03252**	**.06669**	**61.268**
Stddev	.067	.00005	.00009	.00049	.00038	.055
%RSD	.23150	2.1718	.60608	1.5134	.57633	.08904
#1	29.129	.00238	.01500	.03241	.06626	61.260
#2	29.216	.00228	.01518	.03209	.06701	61.326
#3	29.083	.00234	.01514	.03306	.06679	61.217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5185**	**.01727**	**3.9331**	**.31776**	**.01743**	**4.1513**
Stddev	.0109	.00086	.0033	.00029	.00010	.0178
%RSD	.71515	4.9779	.08449	.09257	.54956	.42934
#1	1.5287	.01730	3.9319	.31746	.01740	4.1566
#2	1.5199	.01812	3.9368	.31805	.01736	4.1659
#3	1.5071	.01640	3.9305	.31776	.01754	4.1315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103099901 Acquired: 4/1/2011 14:15:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 10 Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07360**	F **73799.**	**.03060**	F **112.55**	F **434.44**	F **-198690.**
Stddev	.00056	173.	.00090	623.74	1.14	204.
%RSD	.76132	.23494	2.9562	554.19	.26281	.10245
#1	.07336	73601.	.03081	466.83	433.20	-198650.
#2	.07424	73922.	.02961	478.46	434.67	-198510.
#3	.07319	73876.	.03138	-607.65	435.45	-198910.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00132**	**.00066**	**.77607**	**-.00361**	**.14069**	**.17775**
Stddev	.00188	.00109	.00469	.00006	.00027	.00023
%RSD	142.05	165.50	.60464	1.7927	.19207	.12746
#1	.00330	.00066	.78120	-.00363	.14086	.17765
#2	-.00044	-.00043	.77498	-.00367	.14083	.17759
#3	.00111	.00174	.77201	-.00354	.14038	.17801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00317**	**.03853**	**.11553**	**22.600**
Stddev	.00075	.00030	.00026	.153
%RSD	23.673	.76982	.22104	.67619
#1	.00256	.03836	.11523	22.438
#2	.00293	.03887	.11567	22.619
#3	.00401	.03836	.11568	22.742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 04, 2011

Sample Name: L1103099901 Acquired: 4/1/2011 14:15:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 10 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67019.**	**69528.**
Stddev	73.	497.
%RSD	.10845	.71501
#1	67101.	69530.
#2	66990.	69029.
#3	66965.	70023.

Approved: April 04, 2011

Sample Name: L1103099903 Acquired: 4/1/2011 14:21:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01218**	**156.92**	**.44368**	**.32516**	**14.791**	**.01248**
Stddev	.00017	.73	.00302	.00259	.210	.00002
%RSD	1.4319	.46284	.68032	.79509	1.4190	.12984
#1	.01218	156.36	.44702	.32219	14.766	.01250
#2	.01201	157.74	.44115	.32639	15.013	.01248
#3	.01235	156.65	.44287	.32691	14.595	.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**282.51**	**.02711**	**.27771**	**.51108**	**2.8176**	**566.22**
Stddev	4.07	.00005	.00100	.00068	.0115	4.16
%RSD	1.4415	.18647	.36069	.13338	.40681	.73542
#1	282.72	.02714	.27868	.51184	2.8302	561.59
#2	278.34	.02715	.27668	.51090	2.8077	567.42
#3	286.48	.02705	.27776	.51051	2.8151	569.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.046**	**.45836**	**84.404**	**6.4106**	**.73704**	**58.731**
Stddev	.243	.00141	.816	.0269	.00020	.318
%RSD	.59232	.30786	.96672	.41896	.02669	.54215
#1	40.807	.45794	83.540	6.3826	.73686	58.364
#2	41.037	.45720	84.511	6.4130	.73701	58.905
#3	41.293	.45993	85.161	6.4362	.73725	58.926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103099903 Acquired: 4/1/2011 14:21:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4036**	F **72215.**	**2.1032**	F **-2438.5**	F **8518.6**	F **-4355e3**
Stddev	.0022	147.	.0033	389.8	60.2	10867.
%RSD	.15384	.20333	.15550	15.985	.70715	.24953
#1	1.4060	72381.	2.1069	-2098.6	8579.3	-4367e3
#2	1.4029	72164.	2.1018	-2863.9	8458.9	-4347e3
#3	1.4019	72101.	2.1008	-2352.8	8517.6	-4351e3
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08599**	**.05350**	**18.744**	**.00478**	**1.8324**	**.13217**
Stddev	.00137	.00041	.069	.00065	.0068	.00051
%RSD	1.5931	.76738	.36630	13.661	.37230	.38370
#1	.08709	.05303	18.823	.00468	1.8246	.13170
#2	.08446	.05373	18.710	.00418	1.8351	.13210
#3	.08643	.05374	18.699	.00547	1.8374	.13271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.05397**	**.50877**	**2.2204**	**22.025**
Stddev	.00049	.00155	.0045	.346
%RSD	.90327	.30433	.20286	1.5719
#1	.05428	.50841	2.2235	22.425
#2	.05341	.50743	2.2226	21.825
#3	.05422	.51047	2.2153	21.825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 04, 2011

Sample Name: L1103099903 Acquired: 4/1/2011 14:21:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60245.**	**68408.**
Stddev	140.	406.
%RSD	.23251	.59316
#1	60087.	68821.
#2	60294.	68392.
#3	60354.	68010.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 14:25:21 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41573**	**10.001**	**.39889**	**.50026**	**.95531**	**.05012**	**9.5362**
Stddev	.00043	.025	.00314	.00135	.00106	.00016	.0333
%RSD	.10295	.24948	.78758	.26985	.11099	.32451	.34911
#1	.41620	9.9915	.40231	.50143	.95571	.05026	9.5647
#2	.41536	9.9819	.39613	.49879	.95411	.04994	9.4996
#3	.41564	10.029	.39823	.50057	.95611	.05016	9.5444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05064**	**.20497**	**.49537**	**.50889**	**3.8863**	**48.329**	**.97506**
Stddev	.00024	.00105	.00151	.00184	.0078	.045	.00054
%RSD	.46928	.51168	.30518	.36106	.20002	.09295	.05514
#1	.05092	.20617	.49595	.51088	3.8863	48.379	.97567
#2	.05053	.20451	.49366	.50726	3.8941	48.291	.97486
#3	.05048	.20423	.49652	.50854	3.8786	48.317	.97466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9680**	**.49367**	**1.0477**	**49.499**	**.50634**	F **63.259**	**.50942**
Stddev	.0406	.00019	.0009	.139	.00152	17.072	.00086
%RSD	.40781	.03808	.08755	.28084	.29966	26.988	.16959
#1	10.007	.49380	1.0474	49.658	.50802	57.196	.51039
#2	9.9710	.49376	1.0470	49.396	.50506	50.046	.50915
#3	9.9259	.49346	1.0487	49.444	.50594	82.535	.50872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 14:25:21 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **900.98**	**10.721**	F **-128.50**	**1.2450**	**.40521**	F **14.958**	**1.0516**
Stddev	215.59	.002	14.08	.0056	.00312	.047	.0026
%RSD	23.929	.02291	10.954	.45417	.76977	.31163	.24291
#1	683.67	10.721	-119.99	1.2515	.40881	15.011	1.0544
#2	904.45	10.724	-120.77	1.2411	.40320	14.926	1.0493
#3	1114.8	10.719	-144.75	1.2425	.40363	14.936	1.0512
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95821**	**1.0183**	**.51485**	**1.0278**	**1.0203**	F **1.5080**
Stddev	.00234	.0010	.00073	.0019	.0012	.2465
%RSD	.24462	.09694	.14163	.18833	.11655	16.345
#1	.96083	1.0177	.51569	1.0300	1.0217	1.3309
#2	.95630	1.0195	.51436	1.0265	1.0195	1.7895
#3	.95752	1.0179	.51451	1.0269	1.0198	1.4035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64499.**	**65623.**
Stddev	178.	268.
%RSD	.27635	.40906
#1	64300.	65687.
#2	64645.	65328.
#3	64552.	65854.

Approved: April 04, 2011

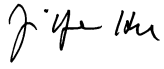
Sample Name: CCB Acquired: 4/1/2011 14:28:42 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.01577**	**.00001**	**.00136**	**.00017**	**.00001**	**-.00150**
Stddev	.00058	.00176	.00027	.00071	.00018	.00002	.00298
%RSD	145.98	11.187	2618.1	52.245	103.60	138.48	199.01
#1	.00026	.01399	.00026	.00193	.00026	.00003	-.00064
#2	-.00061	.01580	-.00028	.00056	-.00003	.00001	.00096
#3	-.00084	.01751	.00005	.00157	.00029	.00000	-.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00002**	**.00004**	**.00074**	**.01658**	**.09896**	**-.00105**
Stddev	.00009	.00012	.00037	.00013	.00166	.01491	.00069
%RSD	111.65	521.62	1041.1	17.445	9.9873	15.065	66.321
#1	-.00018	-.00015	.00040	.00085	.01468	.11417	-.00025
#2	-.00007	-.00001	.00003	.00076	.01732	.08437	-.00136
#3	.00000	.00009	-.00033	.00060	.01773	.09834	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00431**	**.00033**	**.00037**	**-.00009**	**-.00031**	F **47.135**	**-.00133**
Stddev	.00226	.00011	.00003	.00415	.00049	40.855	.00145
%RSD	52.345	34.480	9.3347	4787.8	155.05	86.676	108.64
#1	-.00533	.00046	.00033	-.00060	-.00078	3.3459	-.00179
#2	-.00173	.00026	.00036	-.00395	.00019	84.229	-.00249
#3	-.00589	.00026	.00040	.00429	-.00035	53.832	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011



Sample Name: CCB Acquired: 4/1/2011 14:28:42 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1254.8**	F **.25938**	F **-113.35**	**.00068**	**-.00004**	**.00696**	**.00080**
Stddev	409.2	.04522	8.13	.00232	.00160	.00142	.00018
%RSD	32.614	17.433	7.1765	340.12	4357.8	20.345	22.303
#1	793.83	.29884	-122.17	.00335	.00036	.00830	.00073
#2	1395.2	.21004	-111.77	-.00044	.00133	.00710	.00067
#3	1575.3	.26927	-106.13	-.00087	-.00180	.00548	.00101
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00050**	**-.00065**	**.00017**	**.00024**	**-.06492**
Stddev	.00007	.00040	.00049	.00020	.00003	.13877
%RSD	82.858	80.175	74.994	116.26	11.711	213.74
#1	.00006	-.00097	-.00037	-.00006	.00027	-.05810
#2	.00016	-.00025	-.00121	.00029	.00024	-.20698
#3	.00003	-.00029	-.00037	.00028	.00022	.07031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65611.**	**66037.**
Stddev	112.	502.
%RSD	.17079	.75987
#1	65717.	66594.
#2	65622.	65895.
#3	65494.	65621.

Approved: April 04, 2011

Sample Name: L1103082517 Acquired: 4/1/2011 15:03:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**196.49**	**.10196**	**.12441**	**1.6808**	**.01209**	**33.206**
Stddev	.00045	2.64	.00092	.00333	.0117	.00007	.063
%RSD	9.8998	1.3423	.89888	2.6792	.69305	.60041	.18877
#1	.00500	199.33	.10287	.12109	1.6880	.01209	33.174
#2	.00440	194.11	.10103	.12776	1.6871	.01201	33.278
#3	.00413	196.04	.10199	.12440	1.6674	.01215	33.165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00518**	**.12885**	**.27250**	**.13381**	**275.40**	**13.052**	**.14675**
Stddev	.00011	.00083	.00266	.00120	3.49	.025	.00075
%RSD	2.1259	.64514	.97640	.90044	1.2675	.18938	.50992
#1	.00507	.12980	.27362	.13511	272.76	13.054	.14674
#2	.00529	.12823	.26947	.13273	279.36	13.076	.14600
#3	.00518	.12852	.27443	.13360	274.08	13.026	.14750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.013**	**6.4755**	**.01226**	**1.6682**	**.13010**	F **50746.**	**.30871**
Stddev	.016	.0220	.00027	.0027	.00053	257.	.00154
%RSD	.07839	.33933	2.2037	.15932	.40930	.50701	.49757
#1	21.020	6.4978	.01257	1.6653	.13070	51043.	.31040
#2	21.025	6.4749	.01209	1.6706	.12968	50583.	.30740
#3	20.994	6.4539	.01212	1.6687	.12992	50613.	.30832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082517 Acquired: 4/1/2011 15:03:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2310.8**	F **138.18**	F **-53457.**	**.00647**	**.01060**	**6.3863**	**.00714**
Stddev	317.1	.60	319.	.00073	.00086	.0489	.00021
%RSD	13.725	.43622	.59617	11.348	8.0956	.76624	2.9939
#1	-2256.1	138.85	-53823.	.00602	.01058	6.4428	.00712
#2	-2024.6	137.68	-53241.	.00608	.01146	6.3576	.00736
#3	-2651.8	138.01	-53307.	.00732	.00975	6.3586	.00694
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29607**	**.41843**	**.01218**	**.53586**	**.64936**	F **220.75**
Stddev	.00072	.00216	.00074	.00238	.00434	1.10
%RSD	.24301	.51648	6.0656	.44450	.66774	.50050
#1	.29684	.42038	.01133	.53751	.65431	221.25
#2	.29595	.41880	.01263	.53313	.64621	219.48
#3	.29542	.41610	.01258	.53694	.64758	221.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64500.**	**68691.**
Stddev	464.	247.
%RSD	.71927	.35970
#1	63964.	68853.
#2	64778.	68406.
#3	64757.	68812.

Approved: April 04, 2011

Sample Name: L1103082518 Acquired: 4/1/2011 15:06:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00530**	**210.71**	**.12500**	**.16715**	**1.6301**	**.01522**
Stddev	.00041	1.14	.00138	.00272	.0073	.00006
%RSD	7.8090	.54122	1.1019	1.6252	.45061	.42220
#1	.00496	212.00	.12659	.16519	1.6345	.01522
#2	.00519	209.83	.12414	.16602	1.6343	.01516
#3	.00576	210.30	.12427	.17025	1.6217	.01529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **911.08**	**.00588**	**.11491**	**.35055**	**.18618**	**367.65**
Stddev	20.47	.00002	.00044	.00093	.00114	4.52
%RSD	2.2467	.26547	.37863	.26633	.61306	1.2300
#1	887.95	.00587	.11517	.35050	.18688	365.75
#2	926.86	.00588	.11441	.34965	.18486	364.39
#3	918.42	.00590	.11516	.35152	.18680	372.82
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.376**	**.25050**	**51.619**	**8.2268**	**.01323**	**1.4994**
Stddev	.020	.00131	.066	.0107	.00069	.0066
%RSD	.10434	.52391	.12855	.13017	5.1890	.44292
#1	19.395	.25198	51.621	8.2326	.01282	1.5065
#2	19.355	.25006	51.552	8.2145	.01402	1.4933
#3	19.377	.24946	51.684	8.2334	.01284	1.4985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082518 Acquired: 4/1/2011 15:06:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24258**	F **100150.**	**.24320**	F **-2858.0**	F **1419.3**	F **-211590.**
Stddev	.00091	148.	.00183	278.0	4.2	209.
%RSD	.37491	.14779	.75388	9.7264	.29610	.09897
#1	.24314	100290.	.24117	-3036.3	1421.9	-211580.
#2	.24153	99999.	.24472	-3000.0	1414.5	-211380.
#3	.24306	100150.	.24372	-2537.7	1421.7	-211800.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00738**	**.01684**	**6.5998**	**.00712**	**4.4310**	**.37264**
Stddev	.00133	.00213	.0128	.00052	.0848	.00122
%RSD	18.031	12.666	.19357	7.3226	1.9138	.32707
#1	.00779	.01582	6.6144	.00720	4.4858	.37404
#2	.00846	.01542	6.5910	.00760	4.3333	.37205
#3	.00590	.01930	6.5940	.00656	4.4740	.37183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01638**	**.57337**	**.59883**	F **187.80**
Stddev	.00132	.00278	.00053	.73
%RSD	8.0364	.48509	.08864	.38809
#1	.01574	.57492	.59944	188.10
#2	.01789	.57016	.59854	186.97
#3	.01550	.57502	.59851	188.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082518 Acquired: 4/1/2011 15:06:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59815.**	**69654.**
Stddev	175.	243.
%RSD	.29326	.34889
#1	59705.	69666.
#2	60018.	69891.
#3	59723.	69406.

Approved: April 04, 2011

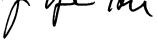
Sample Name: L1103082519 Acquired: 4/1/2011 15:10:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**355.50**	**.11538**	**.16451**	**2.4880**	**.01906**	**108.20**
Stddev	.00040	1.09	.00032	.00259	.0038	.00005	.05
%RSD	9.6591	.30627	.28087	1.5766	.15454	.28691	.04377
#1	.00415	356.74	.11569	.16222	2.4875	.01901	108.24
#2	.00456	355.07	.11541	.16733	2.4844	.01912	108.22
#3	.00376	354.69	.11504	.16398	2.4921	.01905	108.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00440**	**.16864**	**.37466**	**.19534**	**393.74**	**21.713**	**.22209**
Stddev	.00013	.00040	.00016	.00125	6.22	.024	.00085
%RSD	2.9199	.23695	.04366	.63770	1.5789	.11000	.38123
#1	.00427	.16864	.37454	.19662	388.00	21.685	.22306
#2	.00439	.16824	.37460	.19413	400.34	21.724	.22153
#3	.00453	.16904	.37485	.19526	392.87	21.729	.22166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.054**	**8.3234**	**.01275**	**2.3337**	**.22562**	F **46646.**	**.30238**
Stddev	.244	.0208	.00015	.0074	.00033	64.	.00096
%RSD	.69572	.24986	1.1913	.31636	.14605	.13628	.31657
#1	34.778	8.3022	.01279	2.3384	.22533	46581.	.30238
#2	35.240	8.3438	.01258	2.3374	.22598	46649.	.30143
#3	35.144	8.3242	.01288	2.3252	.22557	46708.	.30334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011



Sample Name: L1103082519 Acquired: 4/1/2011 15:10:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3204.3**	F **263.14**	F **-76910.**	**.00749**	**.01046**	**6.3659**	**.01250**
Stddev	381.8	.17	104.	.00309	.00221	.0042	.00055
%RSD	11.914	.06452	.13570	41.190	21.107	.06580	4.3839
#1	-3209.2	263.19	-76834.	.00679	.01244	6.3644	.01311
#2	-3583.6	263.28	-76867.	.01086	.01085	6.3706	.01205
#3	-2820.1	262.95	-77029.	.00481	.00808	6.3627	.01233
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61642**	**.31997**	**.01647**	**.64836**	**.56563**	F **297.97**
Stddev	.00135	.00155	.00112	.00188	.00163	.19
%RSD	.21926	.48349	6.8271	.29037	.28845	.06494
#1	.61776	.32008	.01770	.64668	.56484	297.90
#2	.61645	.32146	.01550	.64801	.56455	297.83
#3	.61506	.31837	.01621	.65039	.56751	298.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63964.**	**73081.**
Stddev	61.	445.
%RSD	.09530	.60867
#1	63902.	73499.
#2	64024.	72614.
#3	63964.	73130.

Approved: April 04, 2011

Sample Name: L1103082520 Acquired: 4/1/2011 15:14:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**243.57**	**.12253**	**.14852**	**1.9305**	**.01478**	**41.240**
Stddev	.00026	2.39	.00174	.00094	.0055	.00014	.078
%RSD	6.4871	.98167	1.4210	.63613	.28586	.97536	.18966
#1	.00432	241.72	.12147	.14917	1.9261	.01467	41.182
#2	.00380	242.72	.12159	.14743	1.9367	.01472	41.210
#3	.00407	246.27	.12454	.14894	1.9287	.01494	41.329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00494**	**.12839**	**.35263**	**.16702**	**343.29**	**20.109**	**.18591**
Stddev	.00014	.00082	.00315	.00256	2.37	.047	.00026
%RSD	2.7615	.63705	.89331	1.5298	.69051	.23180	.13726
#1	.00499	.12752	.35051	.16455	343.82	20.063	.18588
#2	.00505	.12850	.35113	.16688	340.69	20.109	.18567
#3	.00479	.12915	.35625	.16965	345.35	20.156	.18618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.017**	**6.1548**	**.01178**	**.86042**	**.16195**	F **88804.**	**.30655**
Stddev	.101	.0103	.00011	.01010	.00082	239.	.00203
%RSD	.45909	.16676	.92932	1.1742	.50659	.26927	.66162
#1	21.907	6.1430	.01171	.86952	.16110	88537.	.30667
#2	22.039	6.1596	.01173	.86218	.16274	88876.	.30446
#3	22.105	6.1618	.01191	.84955	.16200	88999.	.30851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082520 Acquired: 4/1/2011 15:14:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2438.2**	F **188.12**	F **-73309.**	**.00596**	**.00884**	**6.5478**	**.00822**
Stddev	279.9	1.86	85.	.00113	.00326	.0164	.00003
%RSD	11.479	.99048	.11537	18.977	36.846	.25121	.39251
#1	-2739.4	186.21	-73212.	.00651	.00577	6.5289	.00820
#2	-2186.1	188.22	-73360.	.00466	.00850	6.5556	.00821
#3	-2389.2	189.93	-73356.	.00672	.01226	6.5590	.00826
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28498**	**.38097**	**.01421**	**.59871**	**.70815**	F **209.10**
Stddev	.00049	.00017	.00140	.00431	.00126	2.60
%RSD	.17315	.04351	9.8455	.72058	.17831	1.2452
#1	.28472	.38079	.01291	.59425	.70699	206.37
#2	.28467	.38111	.01402	.59903	.70796	209.35
#3	.28555	.38102	.01569	.60286	.70950	211.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64030.**	**70469.**
Stddev	220.	227.
%RSD	.34415	.32184
#1	64168.	70288.
#2	64146.	70724.
#3	63776.	70395.

Approved: April 04, 2011

Sample Name: L1103082521 Acquired: 4/1/2011 15:17:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00468**	**199.05**	**.10851**	**.12825**	**1.8135**	**.01250**	**33.145**
Stddev	.00039	1.63	.00072	.00291	.0050	.00004	.078
%RSD	8.3540	.81996	.66035	2.2695	.27676	.30786	.23598
#1	.00508	199.20	.10933	.12862	1.8190	.01254	33.196
#2	.00430	197.36	.10816	.12518	1.8092	.01247	33.055
#3	.00466	200.61	.10803	.13096	1.8124	.01248	33.184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**.16646**	**.30500**	**.14511**	**301.27**	**12.991**	**.14655**
Stddev	.00005	.00091	.00235	.00155	4.32	.042	.00111
%RSD	.98602	.54764	.77165	1.0647	1.4326	.32118	.76025
#1	.00498	.16749	.30720	.14689	302.99	13.028	.14628
#2	.00501	.16574	.30251	.14433	296.36	12.946	.14560
#3	.00508	.16615	.30528	.14411	304.46	13.000	.14777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.659**	**7.9689**	**.01174**	**1.0431**	**.13557**	F **54434.**	**.31566**
Stddev	.070	.0100	.00011	.0131	.00084	76.	.00198
%RSD	.33718	.12580	.96509	1.2600	.61825	.14049	.62617
#1	20.600	7.9576	.01163	1.0481	.13563	54502.	.31590
#2	20.641	7.9768	.01185	1.0282	.13470	54351.	.31751
#3	20.736	7.9722	.01174	1.0530	.13637	54449.	.31358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082521 Acquired: 4/1/2011 15:17:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2563.4**	F **143.92**	F **-55583.**	**.00694**	**.00788**	**5.6753**	**.00721**
Stddev	195.4	1.07	109.	.00077	.00352	.0188	.00041
%RSD	7.6237	.74358	.19596	11.080	44.634	.33213	5.7052
#1	-2497.5	145.15	-55589.	.00762	.01131	5.6956	.00768
#2	-2783.3	143.18	-55471.	.00610	.00803	5.6583	.00692
#3	-2409.5	143.43	-55689.	.00710	.00429	5.6721	.00704
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27638**	**.40058**	**.01406**	**.53281**	**.59456**	F **193.68**
Stddev	.00024	.00063	.00105	.00085	.00034	.47
%RSD	.08624	.15707	7.4769	.15872	.05656	.24009
#1	.27664	.40071	.01290	.53353	.59471	193.77
#2	.27616	.39989	.01496	.53301	.59417	193.18
#3	.27634	.40113	.01430	.53188	.59479	194.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64886.**	**70317.**
Stddev	223.	88.
%RSD	.34337	.12560
#1	64642.	70350.
#2	65078.	70384.
#3	64937.	70217.

Approved: April 04, 2011

Sample Name: L1103082522 Acquired: 4/1/2011 15:21:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**232.07**	**.09159**	**.13666**	**2.3805**	**.01520**	**55.151**
Stddev	.00029	1.65	.00070	.00209	.0183	.00007	.219
%RSD	12.600	.70997	.76384	1.5277	.76849	.48459	.39683
#1	.00198	230.84	.09239	.13782	2.3861	.01517	55.240
#2	.00253	231.42	.09108	.13790	2.3954	.01514	55.312
#3	.00243	233.94	.09131	.13424	2.3601	.01528	54.902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.15669**	**.26210**	**.18777**	**307.89**	**20.883**	**.16825**
Stddev	.00003	.00093	.00241	.00199	2.88	.086	.00087
%RSD	.66216	.59647	.92081	1.0617	.93377	.41132	.51789
#1	.00467	.15586	.26063	.18570	310.43	20.917	.16843
#2	.00462	.15650	.26079	.18793	308.46	20.946	.16730
#3	.00468	.15770	.26488	.18967	304.77	20.785	.16901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.227**	**5.7498**	**.00700**	**1.4420**	**.19294**	F **51554.**	**.24707**
Stddev	.019	.0012	.00036	.0025	.00088	74.	.00126
%RSD	.08683	.01997	5.1029	.17266	.45750	.14341	.51188
#1	22.212	5.7484	.00686	1.4407	.19195	51469.	.24577
#2	22.221	5.7502	.00672	1.4405	.19320	51587.	.24829
#3	22.249	5.7506	.00740	1.4449	.19366	51606.	.24714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082522 Acquired: 4/1/2011 15:21:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2860.2**	F **177.47**	F **-61154.**	**.00468**	**.00538**	**5.8592**	**.00853**
Stddev	102.3	.87	113.	.00094	.00319	.0178	.00044
%RSD	3.5779	.49090	.18422	20.081	59.251	.30424	5.1116
#1	-2971.7	176.49	-61064.	.00428	.00849	5.8401	.00894
#2	-2770.5	177.78	-61119.	.00402	.00213	5.8622	.00807
#3	-2838.5	178.14	-61280.	.00576	.00551	5.8754	.00856
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38189**	**.21620**	**.00903**	**.42901**	**.75347**	F **179.83**
Stddev	.00055	.00123	.00162	.00121	.00315	.85
%RSD	.14511	.57039	17.955	.28140	.41748	.47373
#1	.38184	.21595	.00716	.42817	.75020	178.87
#2	.38247	.21511	.00984	.42848	.75374	180.14
#3	.38137	.21754	.01008	.43040	.75647	180.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64653.**	**70930.**
Stddev	110.	252.
%RSD	.16965	.35487
#1	64763.	70759.
#2	64652.	71219.
#3	64544.	70811.

Approved: April 04, 2011

Sample Name: L1103082523 Acquired: 4/1/2011 15:24:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**236.65**	**.11360**	**.15895**	**1.9162**	**.01576**	**40.637**
Stddev	.00052	1.17	.00069	.00412	.0087	.00010	.136
%RSD	12.500	.49488	.61074	2.5933	.45473	.61938	.33367
#1	.00433	236.32	.11302	.15935	1.9152	.01571	40.679
#2	.00358	237.95	.11341	.16286	1.9080	.01569	40.486
#3	.00457	235.68	.11437	.15464	1.9253	.01587	40.747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00461**	**.16486**	**.33945**	**.19804**	**364.05**	**20.093**	**.21533**
Stddev	.00007	.00020	.00162	.00072	5.12	.051	.00106
%RSD	1.4913	.12307	.47603	.36288	1.4075	.25469	.49368
#1	.00463	.16501	.33781	.19803	365.36	20.098	.21581
#2	.00466	.16494	.33949	.19876	368.38	20.039	.21411
#3	.00453	.16463	.34104	.19732	358.39	20.141	.21607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.652**	**8.6008**	**.01058**	**1.5003**	**.19446**	F **60497.**	**.27955**
Stddev	.057	.0111	.00024	.0095	.00049	120.	.00141
%RSD	.24150	.12866	2.3155	.62975	.25428	.19858	.50594
#1	23.649	8.6068	.01029	1.5099	.19393	60619.	.27859
#2	23.597	8.5880	.01073	1.4910	.19456	60379.	.27888
#3	23.711	8.6075	.01071	1.4999	.19490	60493.	.28117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082523 Acquired: 4/1/2011 15:24:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2669.4**	F **149.98**	F **-53524.**	**.00736**	**.00979**	**5.5516**	**.00909**
Stddev	175.5	.33	35.	.00095	.00415	.0091	.00014
%RSD	6.5757	.22292	.06564	12.928	42.406	.16332	1.5247
#1	-2871.9	150.04	-53549.	.00717	.01430	5.5530	.00923
#2	-2561.2	150.29	-53540.	.00651	.00896	5.5598	.00895
#3	-2575.1	149.63	-53484.	.00838	.00612	5.5418	.00910
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33477**	**.35050**	**.01409**	**.58375**	**.72845**	F **225.58**
Stddev	.00100	.00068	.00141	.00201	.00060	.16
%RSD	.29786	.19496	10.043	.34402	.08185	.07259
#1	.33531	.35100	.01506	.58151	.72776	225.39
#2	.33362	.34972	.01474	.58433	.72884	225.65
#3	.33538	.35077	.01246	.58540	.72874	225.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63841.**	**70856.**
Stddev	102.	417.
%RSD	.16026	.58910
#1	63782.	70377.
#2	63783.	71050.
#3	63959.	71142.

Approved: April 04, 2011

Sample Name: L1103082524 Acquired: 4/1/2011 15:28:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00404**	**266.12**	**.12862**	**.19273**	**4.7880**	**.02106**	**52.005**
Stddev	.00015	1.31	.00200	.00196	.0606	.00001	.139
%RSD	3.7729	.49297	1.5533	1.0154	1.2661	.05445	.26801
#1	.00396	266.91	.12635	.19416	4.7282	.02106	51.884
#2	.00394	264.60	.12939	.19050	4.7864	.02108	51.974
#3	.00421	266.83	.13012	.19353	4.8494	.02106	52.158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00566**	**.23442**	**.36669**	**.22654**	**442.77**	**19.496**	**.17385**
Stddev	.00005	.00035	.00035	.00135	4.45	.041	.00038
%RSD	.80614	.14922	.09618	.59483	1.0042	.21100	.21938
#1	.00560	.23437	.36664	.22766	447.25	19.451	.17346
#2	.00569	.23479	.36707	.22692	438.35	19.505	.17386
#3	.00568	.23410	.36637	.22505	442.70	19.532	.17422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.232**	**13.428**	**.01158**	**2.1815**	**.24450**	F **60529.**	**.31535**
Stddev	.140	.039	.00017	.0115	.00051	125.	.00250
%RSD	.51383	.28878	1.4484	.52846	.20920	.20586	.79250
#1	27.165	13.385	.01164	2.1712	.24501	60669.	.31812
#2	27.137	13.438	.01171	2.1939	.24398	60487.	.31325
#3	27.392	13.460	.01139	2.1792	.24452	60431.	.31469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082524 Acquired: 4/1/2011 15:28:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2442.5**	F **197.02**	F **-72863.**	**.00778**	**.00883**	**7.1677**	**.01203**
Stddev	215.1	.18	34.	.00105	.00257	.0076	.00017
%RSD	8.8072	.08974	.04671	13.537	29.105	.10593	1.4234
#1	-2491.6	197.06	-72878.	.00659	.00593	7.1595	.01214
#2	-2628.8	197.17	-72886.	.00860	.00974	7.1745	.01184
#3	-2207.1	196.82	-72824.	.00814	.01082	7.1691	.01213
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47091**	**.13921**	**.01834**	**.63292**	**1.0163**	F **209.47**
Stddev	.00158	.00044	.00145	.00178	.0024	.73
%RSD	.33493	.31636	7.9216	.28184	.23387	.34639
#1	.46924	.13871	.01822	.63493	1.0190	209.54
#2	.47238	.13953	.01695	.63232	1.0155	208.71
#3	.47112	.13939	.01985	.63152	1.0144	210.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64789.**	**70712.**
Stddev	124.	233.
%RSD	.19207	.32916
#1	64674.	70720.
#2	64771.	70941.
#3	64921.	70476.

Approved: April 04, 2011

Sample Name: L1103082525 Acquired: 4/1/2011 15:32:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**240.11**	**.13478**	**.22406**	**3.3329**	**.01813**	**39.991**
Stddev	.00040	2.89	.00114	.00594	.0075	.00010	.080
%RSD	9.3448	1.2040	.84638	2.6530	.22608	.57876	.19970
#1	.00461	237.27	.13368	.21721	3.3243	.01802	39.964
#2	.00449	240.00	.13596	.22719	3.3358	.01816	40.081
#3	.00386	243.05	.13469	.22779	3.3385	.01822	39.928
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**.35856**	**.32906**	**.24346**	**558.62**	**11.388**	**.23318**
Stddev	.00009	.00079	.00112	.00087	8.78	.031	.00007
%RSD	1.8998	.21929	.33947	.35896	1.5721	.27151	.02888
#1	.00488	.35780	.32821	.24423	548.52	11.362	.23318
#2	.00493	.35851	.33033	.24364	562.85	11.422	.23312
#3	.00506	.35937	.32865	.24251	564.49	11.380	.23325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.008**	**21.849**	**.00981**	**2.5709**	**.36471**	F **50174.**	**.39877**
Stddev	.071	.071	.00035	.0133	.00081	52.	.00069
%RSD	.20285	.32348	3.5773	.51773	.22173	.10442	.17289
#1	34.937	21.773	.00949	2.5641	.36455	50232.	.39900
#2	35.079	21.862	.01018	2.5862	.36399	50158.	.39800
#3	35.009	21.913	.00975	2.5624	.36558	50131.	.39932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082525 Acquired: 4/1/2011 15:32:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1757.2**	F **132.00**	F **-45883.**	**.00394**	**.01229**	**6.6404**	**.00755**
Stddev	214.5	.49	64.	.00085	.00131	.0180	.00011
%RSD	12.209	.37458	.14022	21.682	10.681	.27129	1.4427
#1	-1525.6	131.51	-45818.	.00485	.01088	6.6353	.00767
#2	-1949.2	132.01	-45885.	.00380	.01252	6.6254	.00753
#3	-1796.8	132.50	-45946.	.00316	.01347	6.6604	.00746
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37237**	**.18691**	**.01825**	**.51279**	**.69402**	F **214.17**
Stddev	.00113	.00091	.00041	.00202	.00080	.66
%RSD	.30224	.48774	2.2433	.39424	.11535	.30807
#1	.37272	.18791	.01782	.51048	.69347	213.80
#2	.37328	.18671	.01863	.51425	.69494	214.93
#3	.37112	.18612	.01830	.51363	.69366	213.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63610.**	**69307.**
Stddev	85.	145.
%RSD	.13438	.20918
#1	63682.	69160.
#2	63634.	69310.
#3	63516.	69450.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 15:36:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41635**	**10.004**	**.40070**	**.49973**	**.95339**	**.04988**	**9.4543**
Stddev	.00177	.003	.00181	.00258	.00372	.00014	.0142
%RSD	.42626	.03236	.45083	.51697	.39039	.28907	.14982
#1	.41788	10.002	.40259	.50005	.95086	.04995	9.4546
#2	.41677	10.003	.39899	.50214	.95164	.04998	9.4400
#3	.41440	10.008	.40053	.49700	.95766	.04972	9.4683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05102**	**.20544**	**.49311**	**.51130**	**3.8835**	**48.005**	**.97408**
Stddev	.00016	.00083	.00129	.00175	.0200	.092	.00257
%RSD	.31785	.40638	.26210	.34130	.51537	.19244	.26427
#1	.05112	.20630	.49420	.51273	3.8684	47.913	.97211
#2	.05110	.20541	.49345	.51181	3.8758	48.006	.97313
#3	.05083	.20463	.49169	.50935	3.9062	48.098	.97699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9392**	**.49255**	**1.0484**	**49.013**	**.50729**	F **62.336**	**.50836**
Stddev	.0727	.00044	.0016	.087	.00019	21.443	.00191
%RSD	.73166	.09035	.15347	.17723	.03743	34.399	.37666
#1	9.8565	.49205	1.0467	49.112	.50751	86.062	.50659
#2	9.9681	.49267	1.0486	48.976	.50714	44.340	.50809
#3	9.9930	.49292	1.0499	48.951	.50724	56.606	.51040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 15:36:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **527.79**	**10.484**	F **-32.718**	**1.2469**	**.40730**	F **15.005**	**1.0517**
Stddev	345.86	.043	13.551	.0019	.00210	.011	.0023
%RSD	65.530	.40676	41.418	.15464	.51464	.07286	.21486
#1	180.05	10.533	-17.543	1.2469	.40594	15.008	1.0541
#2	531.57	10.465	-37.001	1.2450	.40624	15.013	1.0512
#3	871.74	10.455	-43.610	1.2488	.40971	14.992	1.0497
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94993**	**1.0163**	**.51448**	**1.0302**	**1.0199**	F **1.6206**
Stddev	.00180	.0012	.00072	.0046	.0010	.0816
%RSD	.18943	.12241	.13937	.45183	.09766	5.0328
#1	.95201	1.0162	.51438	1.0334	1.0209	1.6278
#2	.94888	1.0151	.51524	1.0323	1.0198	1.5358
#3	.94891	1.0176	.51382	1.0249	1.0189	1.6984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64705.**	**66318.**
Stddev	112.	491.
%RSD	.17284	.73973
#1	64578.	66873.
#2	64751.	66141.
#3	64787.	65941.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 15:39:34 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.01090**	**-.00101**	**.00150**	**-.00003**	**.00002**	**-.01304**
Stddev	.00027	.00181	.00030	.00048	.00007	.00001	.00482
%RSD	239.11	16.647	29.816	32.322	199.89	67.595	36.970
#1	-.00015	.01296	-.00079	.00094	-.00008	.00002	-.00786
#2	.00011	.01015	-.00135	.00182	.00004	.00003	-.01385
#3	.00038	.00958	-.00089	.00172	-.00006	.00001	-.01740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00010**	**-.00019**	**.00010**	**.00591**	**.06412**	**-.00080**
Stddev	.00008	.00008	.00028	.00026	.00133	.02050	.00166
%RSD	85.327	79.996	146.39	260.39	22.453	31.976	207.94
#1	-.00019	-.00016	-.00024	-.00008	.00696	.04080	.00065
#2	-.00004	-.00012	.00011	-.00002	.00634	.07225	-.00262
#3	-.00006	-.00001	-.00044	.00040	.00442	.07932	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01317**	**.00024**	**.00039**	**.00541**	**-.00011**	F **25.236**	**-.00043**
Stddev	.00685	.00028	.00008	.00726	.00015	36.718	.00098
%RSD	52.004	117.81	21.284	134.23	130.09	145.50	230.87
#1	-.00530	.00017	.00038	.01068	-.00017	47.455	-.00020
#2	-.01775	.00054	.00047	-.00287	.00005	-17.145	-.00150
#3	-.01645	.00000	.00031	.00841	-.00023	45.399	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 15:39:34 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **714.67**	**.15041**	F **-46.752**	**.00059**	**-.00136**	**.00628**	**.00109**
Stddev	178.81	.06374	26.000	.00131	.00076	.00075	.00019
%RSD	25.020	42.379	55.614	220.81	56.152	11.942	17.714
#1	523.07	.17318	-18.527	-.00046	-.00139	.00714	.00126
#2	743.84	.07841	-52.002	.00206	-.00211	.00594	.00112
#3	877.10	.19964	-69.726	.00018	-.00058	.00576	.00088
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00075**	**.00021**	**.00005**	**.00024**	F **-.10884**
Stddev	.00007	.00063	.00021	.00009	.00006	.11538
%RSD	390.86	84.269	98.463	158.73	23.009	106.01
#1	.00001	-.00097	.00008	.00002	.00028	-.00728
#2	-.00004	-.00004	.00045	-.00001	.00018	-.23429
#3	.00009	-.00124	.00010	.00015	.00026	-.08494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66368.**	**67129.**
Stddev	125.	104.
%RSD	.18759	.15431
#1	66229.	67118.
#2	66405.	67032.
#3	66470.	67238.

Approved: April 04, 2011

Sample Name: PBS SD Acquired: 4/1/2011 15:43:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00400**	**-.00300**	**-.00012**	**.00007**	**.00003**	**.01250**
Stddev	.00060	.00173	.00076	.00026	.00014	.00000	.00911
%RSD	127.51	43.214	25.229	209.43	194.01	8.4233	72.894
#1	.00009	.00597	-.00387	.00012	.00001	.00003	.00955
#2	.00115	.00327	-.00251	-.00010	-.00002	.00002	.00523
#3	.00016	.00276	-.00262	-.00039	.00023	.00003	.02272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00063**	**.00035**	**.00035**	**.00902**	**.17317**	**-.00182**
Stddev	.00005	.00002	.00031	.00009	.00183	.02355	.00166
%RSD	36.295	2.9643	88.112	24.900	20.305	13.601	91.505
#1	.00008	-.00065	.00052	.00045	.00818	.17187	-.00068
#2	.00018	-.00063	.00054	.00027	.00776	.15029	-.00104
#3	.00012	-.00061	-.00001	.00034	.01112	.19734	-.00373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00042**	**.00037**	**.01766**	**.00023**	F **-95.510**	**-.00050**
Stddev	.01089	.00035	.00015	.00871	.00029	11.741	.00072
%RSD	2909.0	83.741	39.933	49.293	130.10	12.293	144.04
#1	-.00881	.00029	.00053	.00850	-.00011	-87.484	.00007
#2	-.00246	.00015	.00033	.01865	.00037	-108.99	-.00027
#3	.01240	.00082	.00024	.02583	.00042	-90.061	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS SD Acquired: 4/1/2011 15:43:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **290.35**	**4.4421**	F **-2152.6**	**.00285**	**.00051**	**.03472**	**-.00521**
Stddev	99.63	.0678	19.6	.00035	.00049	.00260	.00011
%RSD	34.313	1.5260	.90958	12.129	95.279	7.5022	2.1498
#1	182.54	4.3997	-2136.0	.00252	.00090	.03245	-.00514
#2	379.03	4.5202	-2174.2	.00282	.00068	.03414	-.00534
#3	309.48	4.4062	-2147.5	.00321	-.00004	.03756	-.00516
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00012**	**-.00239**	**.00005**	**.00229**	F **-.17600**
Stddev	.00002	.00068	.00128	.00020	.00001	.23591
%RSD	18.423	556.74	53.679	433.87	.51190	134.05
#1	.00015	.00058	-.00329	.00013	.00230	-.43169
#2	.00014	.00045	-.00296	.00019	.00228	-.12953
#3	.00010	-.00066	-.00092	-.00018	.00228	.03323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64919.**	**65891.**
Stddev	271.	299.
%RSD	.41786	.45384
#1	64714.	66024.
#2	64817.	66100.
#3	65227.	65548.

Approved: April 04, 2011

Sample Name: LCSS SD Acquired: 4/1/2011 15:46:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19383**	**.00268**	**.18961**	**.00039**	**.00014**	**.00007**	**-.00073**
Stddev	.00128	.00169	.00274	.00057	.00027	.00002	.00443
%RSD	.66207	63.061	1.4428	145.06	185.18	23.494	607.83
#1	.19237	.00262	.18665	.00050	-.00002	.00005	.00197
#2	.19433	.00102	.19206	-.00022	.00045	.00008	.00169
#3	.19479	.00441	.19011	.00091	.00000	.00007	-.00584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02431**	**-.00059**	**.00069**	**.26149**	**.01109**	**.08745**	**-.00113**
Stddev	.00009	.00007	.00018	.00214	.00073	.01498	.00073
%RSD	.38846	11.122	26.318	.81671	6.5475	17.133	65.051
#1	.02421	-.00055	.00078	.25914	.01097	.07992	-.00044
#2	.02440	-.00066	.00048	.26332	.01043	.10470	-.00190
#3	.02432	-.00055	.00082	.26200	.01187	.07772	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00762**	**.25952**	**.00026**	**.00180**	**.00025**	F **-79.403**	**.26145**
Stddev	.00486	.00098	.00018	.00336	.00032	33.148	.00079
%RSD	63.704	.37801	70.310	186.52	126.79	41.746	.30171
#1	-.00296	.25842	.00033	.00558	.00041	-41.129	.26059
#2	-.01265	.25986	.00038	-.00086	.00047	-98.276	.26163
#3	-.00725	.26029	.00005	.00069	-.00012	-98.805	.26214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS SD Acquired: 4/1/2011 15:46:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **495.82**	**2.4061**	F **-1173.4**	**.00226**	**.00014**	**.03357**	**-.00503**
Stddev	914.94	.0334	6.4	.00119	.00162	.00325	.00023
%RSD	184.53	1.3887	.54138	52.410	1168.2	9.6783	4.5547
#1	-422.81	2.3751	-1169.8	.00216	.00105	.03165	-.00482
#2	1407.0	2.4016	-1180.7	.00350	-.00173	.03175	-.00527
#3	503.24	2.4415	-1169.6	.00113	.00110	.03732	-.00499
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00060**	**-.00220**	**.00010**	**.00311**	F **-.29143**
Stddev	.00007	.00048	.00049	.00010	.00003	.12374
%RSD	472.84	80.369	22.348	98.415	.85737	42.458
#1	-.00004	-.00008	-.00169	.00022	.00314	-.38366
#2	.00000	-.00069	-.00268	.00003	.00310	-.15081
#3	.00009	-.00103	-.00223	.00007	.00309	-.33983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64905.**	**65190.**
Stddev	230.	15.
%RSD	.35495	.02340
#1	65150.	65184.
#2	64872.	65179.
#3	64693.	65208.

Approved: April 04, 2011

Sample Name: L1103091224 Acquired: 4/1/2011 15:50:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**20.349**	**.07295**	**.03470**	**1.6983**	**.00362**	F **944.52**
Stddev	.00066	.222	.00102	.00053	.0075	.00004	21.01
%RSD	35.990	1.0894	1.4008	1.5184	.44265	1.1690	2.2247
#1	.00112	20.098	.07380	.03422	1.7067	.00357	942.12
#2	.00196	20.519	.07324	.03526	1.6963	.00366	966.63
#3	.00241	20.429	.07182	.03462	1.6920	.00362	924.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.03992**	**.02312**	**.83413**	**13.634**	**10.323**	**.08150**
Stddev	.00004	.00009	.00044	.00113	.026	.038	.00103
%RSD	.85845	.23373	1.9057	.13507	.18809	.36933	1.2628
#1	.00462	.03982	.02344	.83316	13.663	10.365	.08269
#2	.00470	.04001	.02329	.83386	13.628	10.313	.08098
#3	.00466	.03993	.02262	.83537	13.612	10.290	.08084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.686**	**1.8564**	**.00291**	**2.5196**	**.02598**	F **110450.**	**.28156**
Stddev	.070	.0005	.00012	.0173	.00050	167.	.00121
%RSD	.33687	.02808	4.1704	.68508	1.9338	.15133	.42819
#1	20.605	1.8561	.00282	2.5395	.02569	110310.	.28059
#2	20.730	1.8561	.00286	2.5093	.02568	110420.	.28291
#3	20.721	1.8570	.00305	2.5100	.02656	110640.	.28116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091224 Acquired: 4/1/2011 15:50:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-303.96**	F **1134.1**	F **-38828.**	**.00814**	**.00285**	**11.020**	**.07535**
Stddev	717.17	2.1	76.	.00089	.00081	.016	.00021
%RSD	235.94	.18295	.19532	10.872	28.283	.14768	.27861
#1	-964.22	1131.7	-38742.	.00885	.00224	11.003	.07515
#2	459.03	1134.9	-38886.	.00715	.00377	11.036	.07557
#3	-406.69	1135.6	-38855.	.00842	.00255	11.021	.07533
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2768**	**.24185**	**-.00034**	**.12722**	**.28385**	**26.701**
Stddev	.0142	.00111	.00047	.00054	.00072	.228
%RSD	.62354	.45965	137.21	.42642	.25372	.85453
#1	2.2930	.24210	.00018	.12661	.28302	26.616
#2	2.2705	.24282	-.00073	.12763	.28434	26.959
#3	2.2668	.24064	-.00047	.12744	.28418	26.527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58748.**	**64811.**
Stddev	70.	384.
%RSD	.11999	.59232
#1	58818.	65173.
#2	58677.	64409.
#3	58749.	64852.

Approved: April 04, 2011

Sample Name: L1103091225S Acquired: 4/1/2011 15:53:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19092**	**20.550**	**.24913**	**.03456**	**1.7656**	**.00370**	F **950.47**
Stddev	.00072	.114	.00108	.00044	.0008	.00002	7.28
%RSD	.37964	.55578	.43355	1.2849	.04283	.41335	.76638
#1	.19098	20.435	.25033	.03405	1.7662	.00369	948.92
#2	.19017	20.550	.24824	.03478	1.7647	.00368	944.08
#3	.19162	20.664	.24883	.03485	1.7657	.00371	958.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02838**	**.03777**	**.02185**	**1.0578**	**9.7353**	**10.677**	**.07930**
Stddev	.00005	.00004	.00040	.0013	.0135	.039	.00072
%RSD	.16260	.10335	1.8221	.12431	.13887	.36736	.90613
#1	.02833	.03776	.02229	1.0593	9.7243	10.639	.07905
#2	.02842	.03781	.02152	1.0570	9.7311	10.718	.08011
#3	.02840	.03773	.02173	1.0571	9.7504	10.673	.07873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.513**	**2.0808**	**.00244**	**2.6868**	**.02455**	F **110550.**	**.50341**
Stddev	.065	.0050	.00027	.0152	.00047	77.	.00177
%RSD	.31751	.23970	11.092	.56609	1.8992	.06974	.35074
#1	20.441	2.0752	.00215	2.6708	.02505	110640.	.50217
#2	20.528	2.0825	.00248	2.6886	.02413	110500.	.50263
#3	20.569	2.0847	.00269	2.7010	.02446	110500.	.50543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091225S Acquired: 4/1/2011 15:53:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-319.58**	F **1128.6**	F **-39946.**	**.00800**	**.00298**	**11.354**	**.07821**
Stddev	231.69	.3	43.	.00123	.00059	.017	.00020
%RSD	72.497	.02376	.10688	15.362	19.849	.14687	.25656
#1	-193.11	1128.8	-39996.	.00891	.00363	11.373	.07837
#2	-586.98	1128.3	-39924.	.00660	.00247	11.348	.07798
#3	-178.65	1128.8	-39920.	.00849	.00284	11.341	.07827
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2900**	**.18500**	**-.00102**	**.11446**	**.28640**	**24.734**
Stddev	.0088	.00044	.00042	.00007	.00026	.075
%RSD	.38472	.23548	40.802	.05908	.09076	.30393
#1	2.2801	.18452	-.00054	.11439	.28617	24.672
#2	2.2933	.18538	-.00128	.11446	.28634	24.818
#3	2.2968	.18508	-.00124	.11452	.28668	24.713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59104.**	**64381.**
Stddev	90.	149.
%RSD	.15202	.23107
#1	59041.	64550.
#2	59063.	64269.
#3	59207.	64325.

Approved: April 04, 2011

Sample Name: L1103091226SD Acquired: 4/1/2011 15:57:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19204**	**20.807**	**.26239**	**.03727**	**1.7445**	**.00372**	F **957.35**
Stddev	.00133	.089	.00125	.00063	.0096	.00006	2.85
%RSD	.69263	.42960	.47752	1.6783	.54979	1.5124	.29805
#1	.19294	20.882	.26252	.03796	1.7555	.00368	958.60
#2	.19052	20.708	.26357	.03712	1.7380	.00370	954.09
#3	.19267	20.831	.26108	.03674	1.7400	.00379	959.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02845**	**.03925**	**.02844**	**1.1094**	**14.895**	**10.826**	**.08057**
Stddev	.00008	.00008	.00029	.0024	.070	.060	.00093
%RSD	.29072	.20326	1.0255	.21256	.46912	.55184	1.1501
#1	.02854	.03934	.02872	1.1101	14.975	10.895	.07984
#2	.02837	.03918	.02846	1.1067	14.845	10.794	.08161
#3	.02844	.03922	.02813	1.1112	14.865	10.790	.08026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.945**	**2.1227**	**.00281**	**2.7780**	**.02835**	F **110700.**	**.50512**
Stddev	.047	.0028	.00018	.0125	.00025	181.	.00044
%RSD	.22555	.13067	6.3603	.45002	.88700	.16369	.08707
#1	20.942	2.1257	.00299	2.7839	.02817	110870.	.50472
#2	20.900	2.1202	.00281	2.7636	.02864	110510.	.50559
#3	20.994	2.1223	.00263	2.7864	.02825	110720.	.50505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091226SD Acquired: 4/1/2011 15:57:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360547-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.806**	F **1133.6**	F **-39900.**	**.00952**	**.00312**	**11.477**	**.07491**
Stddev	391.67	.7	59.	.00078	.00114	.012	.00020
%RSD	689.48	.06450	.14823	8.2193	36.397	.10231	.26934
#1	198.30	1134.2	-39870.	.00864	.00193	11.480	.07509
#2	-507.77	1132.8	-39862.	.00975	.00324	11.463	.07469
#3	139.06	1133.8	-39968.	.01015	.00419	11.486	.07496
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2957**	**.25890**	**-.00002**	**.13075**	**.31102**	**26.815**
Stddev	.0071	.00100	.00013	.00073	.00047	.254
%RSD	.31102	.38471	757.58	.55963	.14995	.94589
#1	2.2989	.25956	.00011	.13123	.31101	27.037
#2	2.2876	.25938	.00000	.12991	.31056	26.539
#3	2.3008	.25775	-.00016	.13111	.31149	26.870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58887.**	**64038.**
Stddev	102.	203.
%RSD	.17353	.31683
#1	58770.	64031.
#2	58933.	64245.
#3	58958.	63839.

Approved: April 04, 2011

Sample Name: L1103091227 Acquired: 4/1/2011 16:00:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**18.749**	**.05988**	**.03011**	**1.6403**	**.00352**	F **1003.9**
Stddev	.00040	.092	.00078	.00069	.0077	.00004	10.9
%RSD	35.399	.49217	1.3104	2.2877	.47023	1.1124	1.0880
#1	.00157	18.800	.05900	.02937	1.6355	.00347	999.65
#2	.00090	18.642	.06011	.03022	1.6492	.00355	1016.3
#3	.00088	18.805	.06052	.03073	1.6363	.00353	995.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.03807**	**.02232**	**.23037**	**11.550**	**4.0854**	**.09065**
Stddev	.00006	.00006	.00018	.00091	.058	.0184	.00151
%RSD	1.9313	.14658	.81595	.39581	.50130	.45104	1.6667
#1	.00309	.03811	.02224	.23137	11.516	4.0982	.08990
#2	.00319	.03801	.02253	.22958	11.617	4.0937	.09239
#3	.00321	.03810	.02219	.23015	11.517	4.0642	.08967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.990**	**1.7104**	**.00352**	**8.5988**	**.02428**	F **91137.**	**.11579**
Stddev	.070	.0047	.00008	.0650	.00018	190.	.00092
%RSD	.39047	.27319	2.3347	.75560	.74572	.20812	.79703
#1	17.966	1.7091	.00356	8.5849	.02410	91348.	.11562
#2	18.069	1.7155	.00342	8.6696	.02447	91083.	.11678
#3	17.935	1.7064	.00357	8.5420	.02426	90980.	.11495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091227 Acquired: 4/1/2011 16:00:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.4074**	F **1244.8**	F **-42294.**	**.00582**	**.00414**	**7.9993**	**.01402**
Stddev	191.06	.4	38.	.00109	.00136	.0194	.00034
%RSD	3533.4	.03120	.08886	18.694	32.870	.24254	2.4297
#1	-91.900	1245.2	-42337.	.00625	.00411	8.0213	.01368
#2	225.54	1244.4	-42271.	.00458	.00280	7.9918	.01436
#3	-117.42	1244.7	-42274.	.00663	.00553	7.9847	.01403
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5770**	**.20497**	**.00010**	**.14174**	**.08266**	**33.291**
Stddev	.0149	.00081	.00058	.00073	.00017	.214
%RSD	.57821	.39352	601.12	.51434	.20278	.64154
#1	2.5754	.20492	.00020	.14164	.08248	33.175
#2	2.5926	.20580	-.00052	.14107	.08271	33.160
#3	2.5629	.20419	.00061	.14252	.08280	33.537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59061.**	**65257.**
Stddev	89.	325.
%RSD	.15115	.49850
#1	58981.	64960.
#2	59043.	65205.
#3	59157.	65605.

Approved: April 04, 2011

Sample Name: L1103091227PS Acquired: 4/1/2011 16:04:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360601-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21662**	**21.662**	**.25911**	**.97407**	**1.9640**	**.02891**	F **938.85**
Stddev	.00177	.089	.00146	.00485	.0038	.00010	14.47
%RSD	.81674	.41274	.56216	.49828	.19319	.32893	1.5414
#1	.21581	21.621	.26052	.97175	1.9683	.02890	949.76
#2	.21540	21.600	.25761	.97082	1.9613	.02883	922.44
#3	.21865	21.764	.25920	.97965	1.9622	.02902	944.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02846**	**.13233**	**.26439**	**.44989**	**12.302**	**28.857**	**.58850**
Stddev	.00020	.00066	.00102	.00252	.008	.072	.00310
%RSD	.71756	.50229	.38451	.56110	.06639	.25076	.52623
#1	.02869	.13307	.26366	.45191	12.306	28.940	.59201
#2	.02829	.13179	.26396	.44706	12.292	28.814	.58616
#3	.02842	.13212	.26555	.45071	12.307	28.816	.58732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.031**	**1.7849**	**.53382**	**33.480**	**.26492**	F **82662.**	**.33840**
Stddev	.026	.0013	.00021	.151	.00048	165.	.00153
%RSD	.12479	.07039	.03919	.44977	.17957	.19987	.45095
#1	21.031	1.7862	.53397	33.650	.26506	82772.	.33744
#2	21.058	1.7837	.53358	33.428	.26439	82472.	.33760
#3	21.005	1.7847	.53392	33.363	.26531	82742.	.34016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091227PS Acquired: 4/1/2011 16:04:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360601-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.115**	F **1123.7**	F **-38292.**	**.61822**	**.20047**	**14.999**	**.01323**
Stddev	236.10	3.0	88.	.00208	.00330	.028	.00021
%RSD	603.60	.26548	.23032	.33619	1.6458	.18577	1.5961
#1	-290.33	1126.2	-38379.	.62053	.20427	15.029	.01347
#2	-5.223	1120.4	-38203.	.61650	.19864	14.973	.01312
#3	178.20	1124.3	-38295.	.61763	.19848	14.997	.01309
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8003**	**.69312**	**.22958**	**.64945**	**.56510**	**30.807**
Stddev	.0136	.00064	.00134	.00323	.00135	.234
%RSD	.48419	.09210	.58246	.49800	.23892	.76119
#1	2.8159	.69285	.23068	.64669	.56567	30.726
#2	2.7936	.69385	.22809	.64864	.56356	30.624
#3	2.7914	.69266	.22997	.65301	.56607	31.072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59289.**	**65213.**
Stddev	171.	449.
%RSD	.28821	.68790
#1	59191.	64776.
#2	59486.	65191.
#3	59189.	65673.

Approved: April 04, 2011

Sample Name: L1103091227SDL Acquired: 4/1/2011 16:07:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360601-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**4.3627**	**.01241**	**.00764**	**.33117**	**.00071**	**241.15**
Stddev	.00048	.0167	.00091	.00061	.00211	.00000	.86
%RSD	188.76	.38352	7.3067	8.0409	.63863	.34159	.35821
#1	-.00026	4.3623	.01248	.00834	.33084	.00071	241.62
#2	-.00032	4.3461	.01328	.00736	.32923	.00071	240.16
#3	-.00069	4.3796	.01147	.00721	.33342	.00071	241.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00815**	**.00468**	**.04926**	**2.4580**	**.83710**	**.01522**
Stddev	.00008	.00014	.00021	.00013	.0138	.00967	.00056
%RSD	14.312	1.6703	4.5474	.26137	.56270	1.1548	3.6597
#1	.00059	.00828	.00460	.04935	2.4607	.82778	.01567
#2	.00064	.00817	.00452	.04931	2.4430	.83646	.01539
#3	.00048	.00801	.00493	.04911	2.4703	.84708	.01460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9472**	**.36174**	**.00077**	**1.7291**	**.00484**	F **19920.**	**.02582**
Stddev	.0172	.00040	.00003	.0035	.00020	19.	.00105
%RSD	.43614	.11146	4.1960	.20246	4.2281	.09624	4.0470
#1	3.9534	.36155	.00075	1.7328	.00496	19936.	.02558
#2	3.9278	.36147	.00075	1.7258	.00496	19924.	.02697
#3	3.9605	.36220	.00081	1.7287	.00461	19899.	.02492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091227SDL Acquired: 4/1/2011 16:07:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360601-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1020.5**	F **278.30**	F **-8994.6**	**.00132**	**-.00073**	**1.7218**	**-.00146**
Stddev	135.3	.33	6.8	.00045	.00111	.0077	.00006
%RSD	13.256	.11958	.07532	34.043	151.33	.44649	4.3104
#1	1174.3	277.92	-9002.4	.00081	-.00198	1.7252	-.00144
#2	967.07	278.44	-8991.3	.00164	.00015	1.7272	-.00154
#3	920.06	278.54	-8990.2	.00152	-.00037	1.7130	-.00142
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52606**	**.03804**	**.00088**	**.02920**	**.01894**	**6.6363**
Stddev	.00102	.00025	.00087	.00031	.00008	.0298
%RSD	.19360	.64429	98.756	1.0521	.43698	.44930
#1	.52720	.03824	.00113	.02918	.01885	6.6624
#2	.52522	.03777	-.00009	.02891	.01897	6.6038
#3	.52578	.03810	.00161	.02952	.01900	6.6426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64509.**	**66114.**
Stddev	209.	189.
%RSD	.32387	.28633
#1	64726.	66328.
#2	64490.	66046.
#3	64310.	65969.

Approved: April 04, 2011

Sample Name: L1103091227SDL Acquired: 4/1/2011 16:11:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360601-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.96004**	**.00361**	**.00154**	**.06789**	**.00015**	**49.992**
Stddev	.00032	.01022	.00084	.00047	.00023	.00001	.329
%RSD	120.46	1.0644	23.264	30.208	.33489	8.0427	.65826
#1	-.00064	.97103	.00269	.00106	.06809	.00016	50.095
#2	-.00005	.95083	.00381	.00157	.06764	.00016	49.623
#3	-.00012	.95825	.00433	.00199	.06793	.00014	50.257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00186**	**.00082**	**.01041**	**.50731**	**.17689**	**.00145**
Stddev	.00003	.00028	.00028	.00026	.00195	.02338	.00072
%RSD	61.673	14.763	33.693	2.4961	.38482	13.217	49.839
#1	-.00004	.00208	.00051	.01071	.50636	.15183	.00082
#2	-.00002	.00195	.00103	.01028	.50602	.18072	.00129
#3	-.00008	.00156	.00092	.01024	.50956	.19812	.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82633**	**.07617**	**-.00001**	**.34444**	**.00054**	F **4190.6**	**.00513**
Stddev	.00474	.00012	.00019	.00239	.00013	37.4	.00109
%RSD	.57396	.16408	1844.0	.69511	24.371	.89356	21.280
#1	.82609	.07619	.00007	.34697	.00041	4209.5	.00387
#2	.83119	.07604	-.00023	.34416	.00067	4214.9	.00579
#3	.82171	.07629	.00013	.34221	.00054	4147.5	.00574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091227SDL Acquired: 4/1/2011 16:11:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360601-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **922.54**	F **63.202**	F **-1865.0**	**.00078**	**-.00276**	**.34381**	**-.00468**
Stddev	156.33	.178	8.9	.00074	.00108	.00055	.00012
%RSD	16.945	.28228	.47706	95.636	39.106	.16085	2.4766
#1	820.41	63.347	-1858.1	.00000	-.00236	.34443	-.00472
#2	1102.5	63.003	-1875.0	.00086	-.00194	.34337	-.00455
#3	844.70	63.255	-1861.8	.00148	-.00398	.34362	-.00477
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10778**	**.00686**	**.00076**	**.00600**	**.00465**	**1.2157**
Stddev	.00048	.00069	.00038	.00015	.00002	.0604
%RSD	.44666	10.031	50.638	2.5674	.49792	4.9676
#1	.10802	.00744	.00077	.00583	.00465	1.1563
#2	.10723	.00610	.00037	.00601	.00462	1.2138
#3	.10809	.00703	.00114	.00614	.00467	1.2770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66226.**	**66443.**
Stddev	111.	433.
%RSD	.16736	.65100
#1	66124.	66359.
#2	66344.	66911.
#3	66210.	66058.

Approved: April 04, 2011

Sample Name: L1103091228 Acquired: 4/1/2011 16:14:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00336**	**21.848**	**.07081**	**.04115**	**1.5775**	**.00360**	**779.97**
Stddev	.00031	.076	.00056	.00040	.0062	.00001	7.31
%RSD	9.2088	.34943	.79154	.97466	.39550	.33506	.93756
#1	.00368	21.835	.07065	.04121	1.5781	.00359	780.59
#2	.00306	21.779	.07035	.04073	1.5710	.00361	786.95
#3	.00333	21.930	.07143	.04152	1.5834	.00360	772.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00677**	**.04064**	**.02547**	**1.6869**	**18.366**	**15.465**	**.06226**
Stddev	.00003	.00007	.00061	.0024	.091	.055	.00047
%RSD	.45927	.16567	2.3850	.14461	.49768	.35486	.75079
#1	.00674	.04071	.02579	1.6895	18.331	15.470	.06251
#2	.00680	.04058	.02476	1.6866	18.298	15.408	.06254
#3	.00678	.04063	.02585	1.6846	18.470	15.518	.06172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.511**	**2.3022**	**.00478**	**1.0528**	**.02702**	F **154020.**	**.70621**
Stddev	.066	.0056	.00018	.0056	.00042	189.	.00226
%RSD	.30745	.24119	3.7015	.53050	1.5491	.12248	.32072
#1	21.499	2.3036	.00497	1.0575	.02678	154110.	.70883
#2	21.452	2.2961	.00472	1.0466	.02751	154140.	.70499
#3	21.583	2.3069	.00463	1.0543	.02679	153800.	.70482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091228 Acquired: 4/1/2011 16:14:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-682.93**	F **930.75**	F **-44510.**	**.00754**	**.00174**	**11.173**	**.05324**
Stddev	83.09	.41	112.	.00053	.00108	.023	.00015
%RSD	12.167	.04372	.25154	7.0862	62.443	.20597	.27658
#1	-751.76	930.28	-44582.	.00813	.00072	11.188	.05307
#2	-590.63	930.92	-44567.	.00709	.00161	11.186	.05330
#3	-706.40	931.04	-44381.	.00739	.00288	11.147	.05335
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9489**	**.31595**	**-.00024**	**.11284**	**.42011**	**26.019**
Stddev	.0101	.00106	.00096	.00065	.00043	1.181
%RSD	.51723	.33421	406.40	.57905	.10196	4.5373
#1	1.9575	.31634	.00023	.11253	.41989	27.367
#2	1.9378	.31476	.00040	.11359	.41984	25.171
#3	1.9515	.31677	-.00134	.11240	.42060	25.518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59980.**	**64606.**
Stddev	51.	315.
%RSD	.08547	.48740
#1	59942.	64243.
#2	59959.	64810.
#3	60038.	64765.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 16:18:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42060**	**10.040**	**.40630**	**.50705**	**.96120**	**.05073**	**9.5721**
Stddev	.00145	.033	.00233	.00218	.00078	.00032	.0414
%RSD	.34513	.32615	.57278	.43029	.08122	.62198	.43230
#1	.41893	10.049	.40796	.50477	.96210	.05070	9.6195
#2	.42145	10.068	.40730	.50911	.96079	.05106	9.5534
#3	.42142	10.004	.40364	.50726	.96072	.05043	9.5433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**.20845**	**.49947**	**.51925**	**3.8937**	**48.613**	**.98300**
Stddev	.00026	.00147	.00338	.00298	.0080	.095	.00240
%RSD	.51095	.70676	.67592	.57465	.20671	.19620	.24428
#1	.05165	.20900	.49950	.52007	3.9027	48.718	.98430
#2	.05180	.20956	.50283	.52174	3.8909	48.592	.98023
#3	.05129	.20678	.49608	.51594	3.8873	48.530	.98448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.050**	**.49717**	**1.0578**	**49.566**	**.51361**	F **73.579**	**.51660**
Stddev	.044	.00162	.0024	.159	.00100	17.055	.00222
%RSD	.43670	.32538	.22639	.31977	.19414	23.179	.42882
#1	10.097	.49786	1.0555	49.734	.51428	61.257	.51789
#2	10.044	.49833	1.0576	49.545	.51409	66.435	.51787
#3	10.010	.49533	1.0603	49.420	.51247	93.044	.51404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 16:18:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1424.5**	**10.602**	F **-7.9801**	**1.2597**	**.41529**	F **15.201**	**1.0643**
Stddev	373.5	.070	7.8591	.0030	.00184	.060	.0033
%RSD	26.217	.65878	98.483	.23601	.44189	.39207	.31032
#1	1584.6	10.611	-12.168	1.2603	.41460	15.225	1.0647
#2	1691.3	10.666	1.0860	1.2623	.41737	15.245	1.0674
#3	997.70	10.528	-12.859	1.2565	.41390	15.133	1.0609
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95770**	**1.0244**	**.52133**	**1.0431**	**1.0356**	**1.0721**
Stddev	.00240	.0028	.00260	.0030	.0011	.0949
%RSD	.25018	.27601	.49914	.28723	.10828	8.8472
#1	.96035	1.0276	.52062	1.0423	1.0357	1.0127
#2	.95708	1.0222	.52422	1.0464	1.0367	1.0222
#3	.95568	1.0235	.51916	1.0406	1.0344	1.1815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63951.**	**65651.**
Stddev	300.	429.
%RSD	.46858	.65279
#1	63883.	65255.
#2	63691.	65593.
#3	64279.	66106.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 16:21:49 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00761**	**-.00070**	**.00154**	**-.00007**	**.00001**	**.00958**
Stddev	.00065	.00042	.00083	.00079	.00017	.00001	.00652
%RSD	172.70	5.5321	118.09	51.576	238.38	119.56	68.077
#1	-.00076	.00784	-.00165	.00243	.00008	.00002	.01462
#2	.00037	.00786	-.00013	.00092	-.00005	.00002	.01190
#3	-.00075	.00712	-.00032	.00126	-.00025	.00000	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00013**	**-.00026**	**.00030**	**-.00268**	**.02633**	**-.00208**
Stddev	.00006	.00008	.00015	.00029	.00158	.02240	.00082
%RSD	119.04	60.044	58.389	99.477	58.726	85.100	39.359
#1	-.00010	-.00018	-.00030	.00061	-.00280	.03849	-.00301
#2	.00001	-.00017	-.00009	.00025	-.00105	.04002	-.00145
#3	-.00005	-.00004	-.00039	.00003	-.00419	.00047	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01768**	**.00010**	**.00039**	**-.00773**	**-.00012**	F **31.456**	**-.00038**
Stddev	.00389	.00028	.00016	.00383	.00040	35.611	.00109
%RSD	21.997	272.07	41.341	49.539	332.45	113.21	284.97
#1	-.01913	-.00009	.00021	-.00424	.00014	-4.3924	.00065
#2	-.02064	-.00003	.00048	-.00713	.00008	31.935	-.00152
#3	-.01328	.00043	.00049	-.01183	-.00058	66.825	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 16:21:49 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **680.67**	F **.08214**	F **-17.852**	**.00107**	**-.00107**	**.00540**	**.00027**
Stddev	670.07	.02946	13.665	.00034	.00089	.00327	.00007
%RSD	98.443	35.859	76.549	31.499	83.636	60.684	25.657
#1	574.59	.11239	-4.0459	.00073	-.00040	.00870	.00033
#2	1397.5	.05355	-31.372	.00140	-.00072	.00534	.00019
#3	69.971	.08049	-18.137	.00107	-.00208	.00215	.00029
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00089**	**-.00021**	**.00019**	**.00003**	**-.03095**
Stddev	.00003	.00022	.00070	.00014	.00002	.05861
%RSD	17.050	24.571	331.04	73.437	87.410	189.36
#1	.00017	-.00106	.00050	.00004	.00003	.02805
#2	.00016	-.00064	-.00089	.00023	.00005	-.08916
#3	.00022	-.00096	-.00024	.00032	.00000	-.03174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65509.**	**65735.**
Stddev	28.	553.
%RSD	.04323	.84136
#1	65523.	65881.
#2	65528.	65123.
#3	65477.	66200.

Approved: April 04, 2011

Sample Name: L1103091229 Acquired: 4/1/2011 16:25:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**19.655**	**.06614**	**.03121**	**1.8757**	**.00372**	F **1048.6**
Stddev	.00019	.089	.00072	.00041	.0080	.00001	17.2
%RSD	20.513	.45123	1.0950	1.3098	.42886	.32821	1.6423
#1	.00070	19.644	.06685	.03168	1.8835	.00371	1063.0
#2	.00097	19.749	.06540	.03091	1.8674	.00373	1029.5
#3	.00106	19.573	.06617	.03104	1.8761	.00371	1053.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**.03948**	**.02088**	**.51002**	**9.5778**	**7.1914**	**.09605**
Stddev	.00017	.00024	.00037	.00083	.0558	.0433	.00085
%RSD	4.1689	.59701	1.7941	.16294	.58243	.60264	.88701
#1	.00413	.03971	.02050	.51095	9.6214	7.2109	.09512
#2	.00395	.03948	.02089	.50973	9.5150	7.1417	.09625
#3	.00429	.03924	.02125	.50937	9.5972	7.2215	.09679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.035**	**1.8885**	**.00278**	**2.5939**	**.02670**	F **124540.**	**.18927**
Stddev	.134	.0050	.00012	.0142	.00024	183.	.00066
%RSD	.55737	.26731	4.4784	.54614	.91260	.14733	.34855
#1	23.972	1.8851	.00289	2.5790	.02681	124710.	.19003
#2	23.945	1.8859	.00279	2.5954	.02686	124560.	.18898
#3	24.189	1.8943	.00265	2.6072	.02642	124340.	.18881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091229 Acquired: 4/1/2011 16:25:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-514.33**	F **1297.3**	F **-46428.**	**.00761**	**.00368**	**10.829**	**.00560**
Stddev	339.06	2.0	106.	.00068	.00139	.025	.00044
%RSD	65.923	.15741	.22780	8.9857	37.714	.23361	7.8014
#1	-415.83	1299.6	-46495.	.00765	.00281	10.856	.00550
#2	-891.73	1296.0	-46306.	.00828	.00528	10.825	.00522
#3	-235.42	1296.2	-46484.	.00691	.00295	10.806	.00607
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2801**	**.19640**	**-.00047**	**.13365**	**.10195**	**31.127**
Stddev	.0080	.00110	.00048	.00045	.00013	.206
%RSD	.34868	.55906	102.10	.33438	.12651	.66235
#1	2.2743	.19715	-.00048	.13350	.10210	31.039
#2	2.2769	.19514	-.00093	.13416	.10185	31.363
#3	2.2892	.19691	.00002	.13331	.10190	30.980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58126.**	**64719.**
Stddev	132.	380.
%RSD	.22692	.58751
#1	57976.	64506.
#2	58181.	65158.
#3	58222.	64493.

Approved: April 04, 2011

Sample Name: L1103091230 Acquired: 4/1/2011 16:29:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**20.406**	**.06268**	**.03672**	**1.4636**	**.00329**	**680.62**
Stddev	.00055	.105	.00076	.00133	.0082	.00003	7.66
%RSD	25.699	.51563	1.2077	3.6121	.56147	.83588	1.1259
#1	.00274	20.341	.06268	.03600	1.4719	.00328	680.96
#2	.00202	20.349	.06343	.03590	1.4634	.00327	672.80
#3	.00166	20.528	.06192	.03825	1.4555	.00332	688.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**.03850**	**.01939**	**.91687**	**15.424**	**14.563**	**.05126**
Stddev	.00007	.00017	.00039	.00482	.051	.078	.00054
%RSD	1.8362	.43112	1.9866	.52534	.33341	.53788	1.0628
#1	.00406	.03836	.01974	.91159	15.478	14.644	.05158
#2	.00393	.03844	.01898	.91799	15.417	14.558	.05063
#3	.00394	.03868	.01945	.92102	15.376	14.487	.05157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.619**	**2.0643**	**.00431**	**.92956**	**.02464**	F **105030.**	**.19372**
Stddev	.040	.0046	.00022	.00560	.00064	423.	.00140
%RSD	.22686	.22137	5.0701	.60272	2.5908	.40301	.72067
#1	17.593	2.0680	.00456	.93394	.02393	104540.	.19214
#2	17.665	2.0657	.00421	.92324	.02517	105280.	.19424
#3	17.599	2.0592	.00416	.93148	.02481	105260.	.19478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091230 Acquired: 4/1/2011 16:29:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.103**	F **770.94**	F **-33585.**	**.00729**	**.00366**	**10.348**	**.00565**
Stddev	480.17	1.93	84.	.00072	.00215	.046	.00025
%RSD	2981.9	.25025	.24927	9.8703	58.891	.44046	4.3910
#1	-304.68	768.75	-33489.	.00671	.00205	10.295	.00538
#2	538.20	771.68	-33634.	.00706	.00610	10.371	.00587
#3	-281.83	772.39	-33634.	.00810	.00281	10.376	.00572
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6165**	**.27915**	**-.00125**	**.09828**	**.17319**	**29.202**
Stddev	.0105	.00204	.00141	.00022	.00035	.191
%RSD	.64681	.73033	112.45	.22560	.20110	.65331
#1	1.6261	.27986	-.00219	.09821	.17279	29.031
#2	1.6182	.28073	.00037	.09852	.17333	29.167
#3	1.6054	.27685	-.00192	.09809	.17345	29.408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60554.**	**64635.**
Stddev	95.	80.
%RSD	.15698	.12453
#1	60659.	64596.
#2	60529.	64728.
#3	60475.	64582.

Approved: April 04, 2011

Sample Name: L1103091231 Acquired: 4/1/2011 16:32:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**20.789**	**.07414**	**.03434**	**1.5203**	**.00356**	**815.51**
Stddev	.00016	.040	.00012	.00034	.0018	.00005	25.46
%RSD	6.7901	.19035	.15966	.97928	.11591	1.2922	3.1223
#1	.00229	20.751	.07412	.03410	1.5197	.00352	809.66
#2	.00214	20.787	.07426	.03419	1.5189	.00355	793.47
#3	.00245	20.830	.07403	.03472	1.5223	.00361	843.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00423**	**.03936**	**.02264**	**.99278**	**15.714**	**9.2462**	**.06218**
Stddev	.00006	.00038	.00024	.00212	.048	.0246	.00080
%RSD	1.5044	.97620	1.0536	.21321	.30772	.26637	1.2893
#1	.00426	.03892	.02288	.99037	15.683	9.2463	.06294
#2	.00428	.03964	.02263	.99436	15.689	9.2708	.06226
#3	.00416	.03951	.02241	.99360	15.770	9.2216	.06134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.428**	**2.0596**	**.00567**	**1.8586**	**.02749**	F **107640.**	**.18376**
Stddev	.069	.0036	.00011	.0092	.00064	121.	.00099
%RSD	.37464	.17433	1.9308	.49640	2.3246	.11269	.53914
#1	18.375	2.0562	.00567	1.8546	.02707	107500.	.18348
#2	18.403	2.0591	.00578	1.8692	.02822	107690.	.18294
#3	18.506	2.0633	.00556	1.8521	.02717	107720.	.18486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091231 Acquired: 4/1/2011 16:32:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-156.29**	F **953.07**	F **-45724.**	**.00735**	**.00195**	**8.8724**	**.00469**
Stddev	157.06	1.20	187.	.00226	.00062	.0097	.00016
%RSD	100.49	.12582	.40827	30.766	31.920	.10876	3.4953
#1	-71.385	951.98	-45585.	.00748	.00195	8.8833	.00488
#2	-337.54	954.35	-45651.	.00503	.00133	8.8650	.00457
#3	-59.960	952.88	-45936.	.00955	.00257	8.8691	.00463
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8694**	**.28055**	**-.00030**	**.10816**	**.15897**	**33.482**
Stddev	.0060	.00113	.00156	.00036	.00046	.180
%RSD	.32385	.40159	514.45	.33180	.29220	.53812
#1	1.8680	.27968	-.00164	.10800	.15844	33.276
#2	1.8760	.28016	.00141	.10791	.15931	33.612
#3	1.8641	.28183	-.00067	.10857	.15915	33.557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59535.**	**64533.**
Stddev	46.	236.
%RSD	.07766	.36509
#1	59588.	64747.
#2	59509.	64571.
#3	59507.	64281.

Approved: April 04, 2011

Sample Name: L1103091232 Acquired: 4/1/2011 16:36:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**18.583**	**.07324**	**.02954**	**1.6227**	**.00326**	**802.58**
Stddev	.00067	.171	.00067	.00038	.0102	.00003	5.32
%RSD	41.547	.92205	.92065	1.2972	.63124	.78127	.66238
#1	.00200	18.392	.07266	.02925	1.6136	.00324	802.55
#2	.00083	18.724	.07398	.02938	1.6206	.00329	797.28
#3	.00197	18.632	.07308	.02997	1.6338	.00326	807.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00625**	**.03788**	**.02289**	**1.4182**	**19.715**	**11.728**	**.06171**
Stddev	.00005	.00018	.00047	.0048	.158	.062	.00043
%RSD	.81317	.47859	2.0608	.33794	.80240	.53073	.68965
#1	.00625	.03779	.02236	1.4142	19.577	11.662	.06123
#2	.00630	.03809	.02326	1.4235	19.680	11.738	.06184
#3	.00620	.03776	.02306	1.4169	19.887	11.785	.06205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.812**	**1.9707**	**.00464**	**.80942**	**.02512**	F **134540.**	**.30581**
Stddev	.111	.0043	.00028	.00494	.00032	267.	.00146
%RSD	.59194	.21570	6.0688	.60987	1.2801	.19871	.47600
#1	18.698	1.9658	.00477	.80903	.02535	134520.	.30716
#2	18.816	1.9725	.00432	.81454	.02475	134820.	.30427
#3	18.921	1.9737	.00484	.80469	.02526	134290.	.30602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091232 Acquired: 4/1/2011 16:36:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-221.94**	F **922.32**	F **-38027.**	**.01055**	**.00386**	**9.2533**	**.01940**
Stddev	198.27	2.45	106.	.00153	.00109	.0198	.00032
%RSD	89.336	.26566	.27951	14.481	28.248	.21374	1.6743
#1	-436.86	920.09	-37922.	.00946	.00279	9.2491	.01903
#2	-46.163	924.94	-38135.	.01229	.00382	9.2748	.01957
#3	-182.79	921.93	-38025.	.00989	.00497	9.2359	.01961
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9865**	**.23876**	**-.00012**	**.12046**	**.28883**	**25.020**
Stddev	.0046	.00172	.00073	.00094	.00029	.140
%RSD	.23348	.71881	619.79	.77770	.10098	.56066
#1	1.9833	.23857	-.00091	.11948	.28867	25.009
#2	1.9843	.23715	.00002	.12054	.28917	25.165
#3	1.9918	.24057	.00053	.12135	.28866	24.885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59701.**	**64520.**
Stddev	111.	274.
%RSD	.18543	.42489
#1	59811.	64826.
#2	59589.	64438.
#3	59702.	64297.

Approved: April 04, 2011

Sample Name: L1103091233 Acquired: 4/1/2011 16:39:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**19.966**	**.05812**	**.03231**	**1.7075**	**.00378**	F **986.93**
Stddev	.00043	.075	.00074	.00009	.0025	.00004	1.54
%RSD	113.00	.37798	1.2782	.29007	.14623	1.0246	.15572
#1	.00066	20.031	.05888	.03223	1.7103	.00381	988.68
#2	-.00011	19.984	.05809	.03228	1.7057	.00374	986.28
#3	.00058	19.883	.05739	.03241	1.7064	.00379	985.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00379**	**.04065**	**.02328**	**.71850**	**12.965**	**8.0984**	**.08289**
Stddev	.00005	.00006	.00032	.00227	.006	.0249	.00059
%RSD	1.3690	.15218	1.3533	.31525	.05005	.30717	.71478
#1	.00375	.04061	.02350	.71944	12.959	8.0976	.08303
#2	.00378	.04072	.02292	.72014	12.963	8.0740	.08341
#3	.00385	.04062	.02342	.71591	12.972	8.1237	.08225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.894**	**1.9570**	**.00531**	**1.3805**	**.02997**	F **107730.**	**.18034**
Stddev	.039	.0033	.00005	.0068	.00041	234.	.00109
%RSD	.20442	.16651	.92477	.49004	1.3579	.21703	.60383
#1	18.876	1.9532	.00537	1.3732	.03001	107670.	.17911
#2	18.868	1.9589	.00529	1.3818	.03036	107980.	.18117
#3	18.939	1.9588	.00528	1.3865	.02955	107520.	.18075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103091233 Acquired: 4/1/2011 16:39:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-418.49**	F **1185.7**	F **-43736.**	**.00792**	**.00347**	**10.032**	**.00344**
Stddev	385.63	2.6	87.	.00027	.00276	.042	.00034
%RSD	92.148	.21906	.19919	3.3540	79.616	.41958	9.7699
#1	-861.56	1185.3	-43637.	.00780	.00394	10.052	.00331
#2	-158.45	1188.5	-43802.	.00822	.00050	10.061	.00383
#3	-235.47	1183.4	-43767.	.00773	.00596	9.9838	.00319
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1563**	**.20600**	**.00016**	**.11171**	**.13636**	**33.089**
Stddev	.0053	.00178	.00094	.00031	.00010	.270
%RSD	.24621	.86532	608.07	.27317	.07190	.81662
#1	2.1541	.20467	.00041	.11137	.13640	33.239
#2	2.1524	.20530	.00095	.11180	.13643	32.778
#3	2.1623	.20802	-.00089	.11196	.13625	33.251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58853.**	**64460.**
Stddev	158.	98.
%RSD	.26796	.15181
#1	58877.	64391.
#2	58685.	64417.
#3	58998.	64572.

Approved: April 04, 2011

Sample Name: L1103104301 Acquired: 4/1/2011 16:43:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00488**	**5.7056**	**.03214**	**.01909**	**.49030**	**.00147**	**57.020**
Stddev	.00016	.0150	.00017	.00058	.00413	.00004	.448
%RSD	3.3510	.26365	.51432	3.0449	.84273	2.6617	.78587
#1	.00505	5.6903	.03221	.01884	.48720	.00144	56.956
#2	.00472	5.7062	.03195	.01867	.48870	.00147	56.607
#3	.00486	5.7203	.03225	.01975	.49499	.00151	57.496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.01764**	**.03458**	**2.6366**	**16.646**	**1.8889**	**.00288**
Stddev	.00012	.00020	.00027	.0196	.139	.0394	.00105
%RSD	1.0985	1.1090	.78725	.74390	.83506	2.0879	36.655
#1	.01048	.01745	.03480	2.6153	16.550	1.8652	.00166
#2	.01064	.01762	.03428	2.6406	16.583	1.8671	.00339
#3	.01071	.01784	.03467	2.6539	16.806	1.9344	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0122**	**3.5259**	**.00165**	**.15929**	**.01620**	F **69697.**	**2.8341**
Stddev	.0347	.0199	.00018	.01118	.00033	348.	.0146
%RSD	.86359	.56296	10.979	7.0173	2.0081	.49889	.51558
#1	4.0071	3.5187	.00146	.15854	.01644	69333.	2.8186
#2	3.9803	3.5107	.00182	.17082	.01634	69732.	2.8361
#3	4.0491	3.5484	.00167	.14850	.01583	70025.	2.8476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104301 Acquired: 4/1/2011 16:43:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **166.24**	F **124.27**	F **-30060.**	**.00366**	**.00267**	**1.6201**	**.02357**
Stddev	295.47	.82	182.	.00089	.00186	.0160	.00013
%RSD	177.74	.65770	.60621	24.259	69.680	.98772	.56654
#1	312.50	123.39	-29859.	.00441	.00121	1.6020	.02358
#2	-173.84	124.43	-30106.	.00268	.00476	1.6261	.02343
#3	360.05	125.00	-30214.	.00387	.00203	1.6322	.02369
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17776**	**.16731**	**.00229**	**.02828**	**2.0982**	**4.3381**
Stddev	.00128	.00064	.00112	.00014	.0100	.0490
%RSD	.72159	.38497	48.793	.49998	.47622	1.1288
#1	.17779	.16659	.00355	.02819	2.0885	4.2830
#2	.17647	.16753	.00189	.02821	2.0977	4.3769
#3	.17903	.16782	.00142	.02845	2.1085	4.3542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67205.**	**67583.**
Stddev	74.	581.
%RSD	.11052	.85998
#1	67288.	67593.
#2	67179.	68159.
#3	67146.	66997.

Approved: April 04, 2011

Sample Name: L1103104302 Acquired: 4/1/2011 16:46:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00726**	**6.2744**	**.06075**	**.01457**	**.41830**	**.00175**	**51.351**
Stddev	.00062	.0220	.00045	.00027	.00241	.00002	.340
%RSD	8.5203	.35113	.74795	1.8564	.57655	1.4072	.66267
#1	.00654	6.2774	.06052	.01477	.41560	.00177	50.962
#2	.00760	6.2511	.06128	.01468	.41905	.00176	51.499
#3	.00762	6.2949	.06047	.01426	.42025	.00172	51.592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00888**	**.02187**	**.03021**	**5.4909**	**20.993**	**1.5628**	**.00352**
Stddev	.00005	.00015	.00034	.0259	.085	.0111	.00055
%RSD	.61204	.67868	1.1092	.47194	.40345	.71294	15.770
#1	.00882	.02171	.03020	5.4728	20.899	1.5541	.00288
#2	.00890	.02193	.03056	5.4793	21.015	1.5753	.00377
#3	.00893	.02199	.02989	5.5205	21.064	1.5588	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4038**	**3.9510**	**.00178**	**.15766**	**.01296**	F **60106.**	**2.1549**
Stddev	.0101	.0112	.00008	.00394	.00030	224.	.0081
%RSD	.29793	.28423	4.7293	2.4962	2.3495	.37260	.37811
#1	3.3969	3.9381	.00187	.15874	.01261	59905.	2.1501
#2	3.3989	3.9585	.00174	.15330	.01316	60065.	2.1503
#3	3.4154	3.9563	.00172	.16095	.01309	60347.	2.1643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104302 Acquired: 4/1/2011 16:46:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-85.145**	F **105.82**	F **-23937.**	**.00557**	**.00497**	**2.1592**	**.04395**
Stddev	883.61	.56	94.	.00056	.00032	.0045	.00004
%RSD	1037.8	.53046	.39276	10.082	6.4649	.20838	.09421
#1	889.43	105.45	-23841.	.00618	.00497	2.1541	.04394
#2	-310.86	105.54	-23939.	.00506	.00464	2.1610	.04400
#3	-834.01	106.47	-24029.	.00548	.00528	2.1625	.04391
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18574**	**.26440**	**.00306**	**.03207**	**1.2178**	**5.3573**
Stddev	.00116	.00134	.00065	.00010	.0046	.1547
%RSD	.62277	.50758	21.086	.32639	.37600	2.8879
#1	.18440	.26296	.00357	.03210	1.2137	5.4949
#2	.18634	.26562	.00234	.03215	1.2171	5.3870
#3	.18647	.26463	.00327	.03195	1.2228	5.1898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66732.**	**67985.**
Stddev	124.	337.
%RSD	.18649	.49617
#1	66682.	67674.
#2	66874.	67939.
#3	66640.	68343.

Approved: April 04, 2011

Sample Name: L1103104303 Acquired: 4/1/2011 16:50:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**5.7550**	**.02485**	**.03690**	**.41863**	**.00167**	**185.93**
Stddev	.00030	.0341	.00096	.00059	.00256	.00001	1.26
%RSD	10.783	.59299	3.8673	1.5879	.61034	.70585	.67876
#1	.00310	5.7683	.02524	.03720	.41655	.00168	185.20
#2	.00249	5.7163	.02556	.03623	.41786	.00166	185.21
#3	.00283	5.7805	.02376	.03728	.42149	.00166	187.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00448**	**.01369**	**.02325**	**.76315**	**14.042**	**4.0123**	**.00855**
Stddev	.00008	.00011	.00037	.00504	.091	.0313	.00105
%RSD	1.8670	.82958	1.5998	.66031	.65071	.77897	12.253
#1	.00438	.01364	.02317	.75996	13.961	3.9792	.00911
#2	.00453	.01361	.02292	.76053	14.025	4.0164	.00734
#3	.00453	.01382	.02365	.76896	14.141	4.0414	.00919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.174**	**2.6302**	**.00120**	**.36757**	**.01403**	F **94680.**	**1.0815**
Stddev	.094	.0119	.00012	.00906	.00025	522.	.0049
%RSD	.71588	.45098	10.230	2.4657	1.7809	.55155	.45524
#1	13.135	2.6224	.00133	.35760	.01382	94224.	1.0769
#2	13.105	2.6242	.00117	.37532	.01431	94566.	1.0810
#3	13.281	2.6438	.00109	.36977	.01396	95249.	1.0867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104303 Acquired: 4/1/2011 16:50:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-110.09**	F **270.16**	F **-34966.**	**.00051**	**.00133**	**3.4874**	**.01286**
Stddev	254.04	1.57	219.	.00056	.00134	.0280	.00007
%RSD	230.75	.58052	.62548	109.23	100.30	.80168	.54806
#1	-285.55	269.16	-34755.	.00039	.00243	3.4597	.01293
#2	-225.95	269.36	-34950.	.00003	-.00016	3.4868	.01286
#3	181.23	271.97	-35192.	.00113	.00173	3.5156	.01279
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23895**	**.17995**	**.00222**	**.02802**	**.77040**	**5.8737**
Stddev	.00140	.00157	.00029	.00013	.00246	.1615
%RSD	.58551	.87220	12.996	.46679	.31994	2.7496
#1	.23828	.17830	.00196	.02807	.76972	6.0537
#2	.23802	.18014	.00253	.02787	.76835	5.7414
#3	.24056	.18142	.00217	.02811	.77314	5.8260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64932.**	**69037.**
Stddev	223.	484.
%RSD	.34312	.70119
#1	64727.	68943.
#2	65169.	69561.
#3	64898.	68606.

Approved: April 04, 2011

Sample Name: L1103104304 Acquired: 4/1/2011 16:53:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	**5.9644**	**.02371**	**.01897**	**.30094**	**.00196**	**165.14**
Stddev	.00064	.0124	.00109	.00033	.00094	.00003	.67
%RSD	18.378	.20857	4.5916	1.7438	.31292	1.4871	.40712
#1	.00283	5.9529	.02278	.01896	.30087	.00194	165.49
#2	.00354	5.9776	.02345	.01931	.30004	.00199	164.37
#3	.00412	5.9627	.02491	.01865	.30192	.00194	165.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.01581**	**.02041**	**.81120**	**15.076**	**3.2819**	**.00682**
Stddev	.00001	.00005	.00050	.00301	.034	.0139	.00159
%RSD	.21744	.29674	2.4719	.37063	.22407	.42254	23.337
#1	.00364	.01584	.01983	.81069	15.076	3.2918	.00573
#2	.00364	.01583	.02074	.80848	15.042	3.2660	.00607
#3	.00363	.01575	.02067	.81443	15.110	3.2877	.00864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.442**	**2.5997**	**.00117**	**.47381**	**.01258**	F **81244.**	**.75701**
Stddev	.005	.0065	.00009	.00716	.00034	96.	.00097
%RSD	.04602	.24843	7.5973	1.5122	2.7232	.11758	.12855
#1	11.448	2.5973	.00112	.46685	.01289	81257.	.75589
#2	11.440	2.5947	.00128	.47341	.01221	81143.	.75747
#3	11.439	2.6070	.00113	.48117	.01263	81333.	.75766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104304 Acquired: 4/1/2011 16:53:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-507.13**	F **219.83**	F **-20341.**	**.00177**	**.00108**	**1.9838**	**.00826**
Stddev	322.74	.44	26.	.00020	.00113	.0208	.00025
%RSD	63.641	.19858	.12575	11.518	104.96	1.0466	2.9728
#1	-226.10	219.81	-20364.	.00159	.00010	2.0069	.00806
#2	-859.61	219.40	-20314.	.00173	.00082	1.9776	.00853
#3	-435.68	220.27	-20346.	.00199	.00231	1.9668	.00819
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15316**	**.25275**	**.00226**	**.03379**	**.48164**	**7.2392**
Stddev	.00065	.00146	.00062	.00030	.00113	.1692
%RSD	.42616	.57859	27.382	.87900	.23431	2.3376
#1	.15369	.25234	.00238	.03348	.48111	7.0664
#2	.15243	.25154	.00282	.03407	.48087	7.2467
#3	.15335	.25438	.00159	.03383	.48293	7.4046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64935.**	**68778.**
Stddev	179.	252.
%RSD	.27531	.36624
#1	64850.	68670.
#2	65140.	69065.
#3	64814.	68597.

Approved: April 04, 2011

Sample Name: L1103104305 Acquired: 4/1/2011 16:56:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**6.8725**	**.02935**	**.02689**	**.49708**	**.00187**	**66.071**
Stddev	.00031	.0388	.00122	.00038	.00221	.00002	.298
%RSD	4.4917	.56450	4.1438	1.4135	.44464	.89219	.45095
#1	.00730	6.8297	.03075	.02692	.49593	.00186	65.849
#2	.00668	6.8826	.02856	.02649	.49567	.00186	65.954
#3	.00701	6.9053	.02874	.02725	.49962	.00189	66.410
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00937**	**.01666**	**.03731**	**1.4847**	**18.048**	**3.8121**	**.00386**
Stddev	.00010	.00013	.00040	.0147	.103	.0155	.00177
%RSD	1.0627	.80585	1.0820	.98834	.57186	.40649	45.761
#1	.00925	.01660	.03696	1.4711	18.001	3.8088	.00498
#2	.00942	.01656	.03723	1.4827	17.978	3.7985	.00182
#3	.00943	.01681	.03775	1.5002	18.167	3.8289	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7323**	**3.0299**	**.00198**	**.23943**	**.01682**	F **134680.**	**3.5303**
Stddev	.0349	.0102	.00015	.00450	.00033	1069.	.0303
%RSD	.93606	.33595	7.7019	1.8786	1.9664	.79368	.85918
#1	3.7159	3.0214	.00215	.23467	.01678	133740.	3.5023
#2	3.7086	3.0271	.00185	.24360	.01651	134450.	3.5261
#3	3.7725	3.0412	.00196	.24002	.01717	135840.	3.5625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104305 Acquired: 4/1/2011 16:56:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-384.05**	F **152.84**	F **-38926.**	**.00353**	**.00156**	**1.6765**	**.02895**
Stddev	216.85	1.39	265.	.00092	.00235	.0117	.00013
%RSD	56.465	.91075	.68109	26.053	150.67	.69637	.44952
#1	-146.08	151.62	-38628.	.00423	.00426	1.6656	.02902
#2	-435.57	152.56	-39016.	.00249	.00003	1.6750	.02902
#3	-570.51	154.36	-39135.	.00388	.00038	1.6888	.02880
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18333**	**.22034**	**.00241**	**.03216**	**2.5190**	**6.6731**
Stddev	.00051	.00054	.00024	.00017	.0190	.1210
%RSD	.27915	.24527	9.8226	.53495	.75366	1.8125
#1	.18280	.22094	.00217	.03201	2.5007	6.8069
#2	.18337	.22018	.00241	.03212	2.5177	6.6409
#3	.18382	.21990	.00264	.03234	2.5386	6.5715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66582.**	**69297.**
Stddev	104.	423.
%RSD	.15569	.61062
#1	66580.	69329.
#2	66687.	69703.
#3	66479.	68858.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 17:00:28 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41462**	**9.9627**	**.40277**	**.50414**	**.97262**	**.05012**	**9.5863**
Stddev	.00106	.0271	.00164	.00166	.00316	.00011	.0419
%RSD	.25622	.27239	.40650	.32997	.32447	.22868	.43681
#1	.41345	9.9402	.40342	.50297	.97319	.05001	9.5988
#2	.41487	9.9550	.40090	.50341	.96921	.05011	9.5396
#3	.41553	9.9929	.40398	.50604	.97545	.05023	9.6205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05121**	**.20566**	**.49439**	**.51022**	**3.8984**	**48.688**	**.98672**
Stddev	.00006	.00049	.00150	.00148	.0241	.145	.00211
%RSD	.11969	.23892	.30436	.28927	.61861	.29846	.21375
#1	.05128	.20561	.49284	.51120	3.9129	48.696	.98616
#2	.05118	.20520	.49448	.50852	3.8706	48.538	.98495
#3	.05116	.20618	.49585	.51092	3.9118	48.828	.98905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8564**	**.49311**	**1.0584**	**49.576**	**.50952**	F **52.420**	**.51263**
Stddev	.0790	.00194	.0017	.140	.00057	6.905	.00033
%RSD	.80145	.39368	.16432	.28287	.11283	13.173	.06407
#1	9.8989	.49334	1.0565	49.600	.50921	57.192	.51231
#2	9.7652	.49107	1.0599	49.425	.50916	55.566	.51261
#3	9.9050	.49493	1.0589	49.702	.51018	44.502	.51296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 17:00:28 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-288.03**	**10.518**	F **-22.239**	**1.2530**	**.40983**	F **15.132**	**1.0542**
Stddev	364.72	.055	6.853	.0049	.00106	.026	.0015
%RSD	126.63	.52043	30.815	.39367	.25821	.17465	.14554
#1	-626.59	10.476	-27.576	1.2509	.40865	15.125	1.0536
#2	-335.68	10.498	-14.511	1.2496	.41017	15.110	1.0530
#3	98.176	10.580	-24.629	1.2587	.41068	15.161	1.0559
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96584**	**1.0240**	**.51801**	**1.0304**	**1.0194**	**1.0412**
Stddev	.00275	.0040	.00186	.0032	.0010	.0497
%RSD	.28464	.39178	.35931	.31561	.09393	4.7772
#1	.96647	1.0258	.51779	1.0298	1.0186	1.0225
#2	.96283	1.0195	.51627	1.0275	1.0192	1.0035
#3	.96822	1.0269	.51997	1.0339	1.0205	1.0976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64045.**	**66878.**
Stddev	87.	463.
%RSD	.13601	.69297
#1	64002.	66374.
#2	64145.	67286.
#3	63988.	66973.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 17:03:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00274**	**-.00059**	**.00135**	**-.00005**	**.00001**	**-.00510**
Stddev	.00016	.00153	.00113	.00026	.00009	.00001	.00445
%RSD	70.253	56.051	191.20	19.210	184.70	78.207	87.321
#1	-.00040	.00105	-.00032	.00164	-.00015	.00000	-.00046
#2	-.00010	.00404	.00038	.00113	-.00002	.00002	-.00934
#3	-.00017	.00312	-.00184	.00128	.00002	.00002	-.00550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00006**	**.00023**	**.00049**	**-.00210**	**.03369**	**-.00118**
Stddev	.00009	.00006	.00025	.00022	.00079	.01340	.00066
%RSD	218.63	101.45	105.71	45.356	37.411	39.774	55.999
#1	-.00014	.00001	.00043	.00025	-.00244	.04884	-.00127
#2	.00000	-.00008	.00032	.00052	-.00120	.02881	-.00048
#3	.00002	-.00011	-.00004	.00069	-.00267	.02340	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00820**	**.00003**	**.00045**	**-.00257**	**.00009**	F **6.3097**	**-.00128**
Stddev	.00368	.00015	.00010	.00200	.00011	16.537	.00060
%RSD	44.839	525.81	22.959	77.641	128.70	262.09	46.634
#1	-.01119	.00014	.00033	-.00343	.00003	24.408	-.00102
#2	-.00931	-.00014	.00048	-.00029	.00022	2.5338	-.00086
#3	-.00410	.00009	.00053	-.00400	.00002	-8.0129	-.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 17:03:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **428.15**	F **.04516**	F **-24.837**	**.00027**	**-.00178**	**.00645**	**.00013**
Stddev	416.94	.03226	9.955	.00021	.00143	.00084	.00022
%RSD	97.382	71.439	40.080	78.121	80.474	12.988	173.97
#1	62.875	.00794	-13.392	.00016	-.00294	.00735	-.00012
#2	339.18	.06512	-31.486	.00014	-.00018	.00569	.00021
#3	882.40	.06242	-29.633	.00051	-.00223	.00630	.00029
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00059**	**-.00038**	**-.00004**	**.00004**	F **-.23092**
Stddev	.0001	.00060	.00074	.00020	.00003	.10749
%RSD	1218.1	101.86	193.14	552.73	87.455	46.550
#1	.00004	-.00003	.00034	-.00014	.00002	-.15446
#2	-.00005	-.00052	-.00035	.00019	.00008	-.18447
#3	.00000	-.00122	-.00114	-.00016	.00002	-.35382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66244.**	**66060.**
Stddev	49.	532.
%RSD	.07427	.80527
#1	66256.	66033.
#2	66286.	66605.
#3	66190.	65542.

Approved: April 04, 2011

Sample Name: L1103104306 Acquired: 4/1/2011 17:07:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01018**	**7.3571**	**.11213**	**.01978**	**.35050**	**.00239**	**46.747**
Stddev	.00053	.0370	.04541	.00149	.00102	.00004	.177
%RSD	5.1716	.50268	40.495	7.5251	.28964	1.7196	.37906
#1	.01068	7.3950	.06596	.02079	.35167	.00244	46.951
#2	.00963	7.3552	.11371	.02049	.34986	.00239	46.633
#3	.01023	7.3211	.15673	.01807	.34996	.00236	46.657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00867**	**.02234**	**.03165**	**1.5026**	**22.591**	**2.9822**	**.00221**
Stddev	.00159	.00289	.00035	.0065	.071	.0296	.00099
%RSD	18.339	12.955	1.0922	.43549	.31595	.99307	44.792
#1	.00731	.02003	.03186	1.4951	22.673	3.0136	.00146
#2	.00828	.02140	.03183	1.5059	22.546	2.9781	.00185
#3	.01041	.02559	.03125	1.5068	22.553	2.9548	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8562**	**3.1613**	**-.00201**	**.30702**	**.01835**	F **72249.**	**2.2504**
Stddev	.0013	.0030	.00245	.00371	.00167	964.	.0069
%RSD	.04500	.09440	121.75	1.2097	9.1003	1.3344	.30628
#1	2.8548	3.1638	.00028	.30994	.01670	71406.	2.2430
#2	2.8564	3.1621	-.00172	.30284	.01831	72040.	2.2518
#3	2.8574	3.1580	-.00459	.30828	.02004	73300.	2.2566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104306 Acquired: 4/1/2011 17:07:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-196.99**	F **91.770**	F **-17211.**	F **-.06187**	F **-.05608**	**1.6146**	**.04978**
Stddev	62.52	3.501	2412.	.03807	.02692	.0914	.00214
%RSD	31.736	3.8145	14.014	61.529	48.005	5.6600	4.2926
#1	-242.85	95.134	-19603.	-.02499	-.02769	1.7128	.05223
#2	-125.78	92.028	-17250.	-.05960	-.05931	1.5990	.04831
#3	-222.33	88.147	-14780.	-.10102	-.08125	1.5321	.04881
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000	90.000	81.000		
Low Limit	-.00400	-.00400	-.00400	-.02000	-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15474**	**.33280**	**.13280**	**.04483**	**1.3351**	**6.1855**
Stddev	.00032	.00089	.06888	.00011	.0058	.2086
%RSD	.20973	.26817	51.867	.23628	.43227	3.3720
#1	.15508	.33383	.06452	.04476	1.3285	6.3000
#2	.15444	.33228	.13161	.04478	1.3373	6.3118
#3	.15468	.33229	.20226	.04495	1.3394	5.9448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58587.**	**68906.**
Stddev	1261.	263.
%RSD	2.1516	.38129
#1	59911.	68702.
#2	58449.	69202.
#3	57401.	68813.

Approved: April 04, 2011

Sample Name: L1103104307 Acquired: 4/1/2011 17:10:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**3.4738**	**.01299**	**.00688**	**.36951**	**.00130**	**7.1607**
Stddev	.00017	.0138	.00051	.00038	.00068	.00001	.0199
%RSD	12.513	.39705	3.9270	5.5567	.18380	1.0484	.27766
#1	.00124	3.4606	.01252	.00730	.36874	.00131	7.1665
#2	.00157	3.4726	.01353	.00680	.37002	.00129	7.1770
#3	.00131	3.4881	.01292	.00655	.36977	.00130	7.1386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**.02155**	**.01890**	**.63014**	**13.490**	**2.3402**	**-.00024**
Stddev	.00008	.00009	.00020	.00186	.029	.0036	.00149
%RSD	2.2693	.41025	1.0684	.29449	.21423	.15379	616.41
#1	.00360	.02146	.01914	.62802	13.466	2.3439	-.00158
#2	.00367	.02164	.01877	.63098	13.522	2.3367	-.00051
#3	.00377	.02155	.01880	.63143	13.482	2.3398	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59390**	**1.0714**	**.00183**	**.03407**	**.00493**	F **30363.**	**1.5054**
Stddev	.00757	.0029	.00015	.00452	.00024	132.	.0079
%RSD	1.2743	.27019	8.3275	13.255	4.8572	.43503	.52702
#1	.60011	1.0739	.00176	.03187	.00465	30239.	1.4966
#2	.59611	1.0720	.00173	.03108	.00504	30349.	1.5077
#3	.58547	1.0682	.00201	.03927	.00509	30502.	1.5120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104307 Acquired: 4/1/2011 17:10:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **423.73**	F **25.238**	F **-8125.6**	**.00380**	**-.00028**	**1.1537**	**.01477**
Stddev	449.67	.070	41.0	.00083	.00051	.0095	.00013
%RSD	106.12	.27894	.50475	21.951	185.64	.82184	.88532
#1	381.61	25.199	-8110.7	.00432	.00031	1.1453	.01462
#2	892.98	25.195	-8094.0	.00284	-.00048	1.1517	.01482
#3	-3.4013	25.319	-8171.9	.00425	-.00065	1.1640	.01486
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03321**	**.09291**	**.00000**	**.01216**	**.91672**	**1.6006**
Stddev	.00005	.00064	.00060	.00019	.00489	.1138
%RSD	.15692	.68978	27774.	1.5644	.53313	7.1101
#1	.03322	.09328	.00036	.01231	.91285	1.7126
#2	.03326	.09329	-.00069	.01222	.91509	1.6042
#3	.03316	.09217	.00034	.01195	.92221	1.4851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66908.**	**68924.**
Stddev	114.	207.
%RSD	.17043	.29994
#1	67004.	68932.
#2	66938.	68713.
#3	66782.	69127.

Approved: April 04, 2011

Sample Name: L1103104308 Acquired: 4/1/2011 17:14:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**4.3163**	**.02117**	**.00672**	**.34981**	**.00173**	**6.9014**
Stddev	.00040	.0327	.00025	.00030	.00087	.00000	.0145
%RSD	14.417	.75688	1.1847	4.4757	.24918	.13784	.20979
#1	.00238	4.3421	.02145	.00696	.35051	.00173	6.9156
#2	.00319	4.3272	.02110	.00638	.35008	.00173	6.9019
#3	.00281	4.2795	.02097	.00682	.34884	.00174	6.8866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.03745**	**.01778**	**1.3023**	**15.302**	**2.1874**	**.00013**
Stddev	.00005	.00017	.00019	.0069	.046	.0060	.00099
%RSD	1.5515	.45323	1.0518	.52690	.29992	.27612	749.37
#1	.00325	.03743	.01770	1.3049	15.333	2.1906	-.00091
#2	.00322	.03763	.01799	1.3075	15.323	2.1912	.00106
#3	.00315	.03730	.01764	1.2946	15.249	2.1805	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58134**	**1.7608**	**.00210**	**.05236**	**.00500**	F **33101.**	**1.0642**
Stddev	.01508	.0032	.00015	.00894	.00031	93.	.0008
%RSD	2.5933	.18267	7.3872	17.072	6.1629	.27995	.07632
#1	.59713	1.7621	.00222	.04370	.00513	33079.	1.0644
#2	.57980	1.7632	.00192	.05184	.00465	33202.	1.0649
#3	.56709	1.7571	.00215	.06155	.00522	33021.	1.0633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104308 Acquired: 4/1/2011 17:14:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.928**	F **23.556**	F **-7306.4**	**.00416**	**.00096**	**1.2792**	**.03719**
Stddev	315.70	.196	5.8	.00107	.00065	.0047	.00033
%RSD	1217.6	.83300	.07977	25.811	68.166	.37034	.87507
#1	-25.528	23.631	-7309.6	.00298	.00021	1.2819	.03756
#2	-260.88	23.703	-7299.6	.00508	.00142	1.2821	.03708
#3	364.19	23.333	-7309.8	.00442	.00125	1.2738	.03694
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03609**	**.12729**	**.00148**	**.01608**	**.44958**	**2.6046**
Stddev	.00008	.00141	.00138	.00023	.00040	.0053
%RSD	.23495	1.1076	93.453	1.4320	.08928	.20258
#1	.03616	.12876	-.00009	.01587	.44984	2.6028
#2	.03599	.12718	.00202	.01606	.44978	2.6105
#3	.03610	.12595	.00251	.01632	.44912	2.6004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65923.**	**69233.**
Stddev	334.	419.
%RSD	.50737	.60527
#1	65766.	69037.
#2	65696.	68948.
#3	66307.	69714.

Approved: April 04, 2011

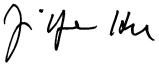
Sample Name: L1103104309 Acquired: 4/1/2011 17:17:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**3.3841**	**.01463**	**.00445**	**.19582**	**.00141**	**4.9451**
Stddev	.00030	.0074	.00027	.00065	.00065	.00001	.0105
%RSD	20.165	.21895	1.8133	14.672	.33241	.94585	.21312
#1	.00185	3.3826	.01459	.00386	.19511	.00142	4.9337
#2	.00129	3.3921	.01491	.00515	.19595	.00141	4.9469
#3	.00137	3.3775	.01438	.00435	.19639	.00139	4.9545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.02298**	**.00838**	**.63188**	**11.088**	**1.5167**	**-.00111**
Stddev	.00006	.00018	.00026	.00294	.044	.0271	.00184
%RSD	2.6199	.80103	3.1104	.46471	.39692	1.7891	165.08
#1	.00221	.02306	.00821	.62873	11.038	1.5393	-.00306
#2	.00210	.02277	.00868	.63237	11.108	1.4866	-.00087
#3	.00213	.02311	.00824	.63454	11.119	1.5242	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48089**	**1.0415**	**.00186**	**.03067**	**.00231**	F **15755.**	**.61857**
Stddev	.00656	.0022	.00028	.00914	.00020	105.	.00512
%RSD	1.3647	.20784	14.763	29.811	8.8057	.66460	.82840
#1	.47369	1.0392	.00191	.03222	.00209	15679.	.61387
#2	.48655	1.0419	.00211	.03894	.00248	15712.	.61780
#3	.48243	1.0435	.00157	.02085	.00238	15875.	.62403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011



Sample Name: L1103104309 Acquired: 4/1/2011 17:17:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-187.73**	F **20.294**	F **-6970.2**	**.00150**	**.00056**	**1.0724**	**.00453**
Stddev	80.75	.011	38.0	.00009	.00183	.0076	.00001
%RSD	43.015	.05244	.54518	5.9682	327.69	.70782	.30880
#1	-144.80	20.304	-6981.7	.00141	.00209	1.0806	.00454
#2	-280.87	20.283	-6927.8	.00151	-.00146	1.0656	.00453
#3	-137.50	20.296	-7001.1	.00159	.00104	1.0710	.00451
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02111**	**.10098**	**.00038**	**.01210**	**.35704**	**2.3054**
Stddev	.00010	.00136	.00022	.00021	.00250	.0996
%RSD	.49173	1.3420	59.173	1.7113	.69967	4.3199
#1	.02099	.09954	.00039	.01194	.35435	2.3790
#2	.02117	.10223	.00059	.01234	.35749	2.3450
#3	.02117	.10117	.00014	.01204	.35929	2.1921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67012.**	**69677.**
Stddev	117.	111.
%RSD	.17527	.15960
#1	66924.	69757.
#2	66967.	69550.
#3	67146.	69723.

Approved: April 04, 2011

Sample Name: L1103104310 Acquired: 4/1/2011 17:21:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00134**	**3.5669**	**.00754**	**.00452**	**.23825**	**.00214**	**11.700**
Stddev	.00026	.0088	.00054	.00008	.00051	.00002	.032
%RSD	19.373	.24602	7.1730	1.8438	.21392	.97991	.27699
#1	.00112	3.5627	.00816	.00462	.23843	.00212	11.674
#2	.00128	3.5770	.00724	.00446	.23768	.00215	11.690
#3	.00163	3.5610	.00720	.00449	.23865	.00215	11.737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.03377**	**.00727**	**.68855**	**8.9425**	**1.3339**	**.00036**
Stddev	.00009	.00023	.00049	.00102	.0069	.0055	.00132
%RSD	4.6500	.66904	6.7470	.14825	.07738	.41270	364.46
#1	.00188	.03371	.00761	.68775	8.9347	1.3276	-.00111
#2	.00192	.03359	.00671	.68821	8.9454	1.3367	.00077
#3	.00205	.03402	.00750	.68970	8.9476	1.3375	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47028**	**1.1546**	**.00111**	**.04592**	**.00339**	F **9749.6**	**.36183**
Stddev	.00422	.0033	.00012	.00373	.00031	57.8	.00306
%RSD	.89766	.28355	10.806	8.1199	9.0621	.59261	.84641
#1	.47441	1.1511	.00124	.04958	.00374	9809.8	.36095
#2	.46597	1.1576	.00100	.04213	.00316	9694.6	.35930
#3	.47045	1.1552	.00111	.04604	.00326	9744.4	.36524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104310 Acquired: 4/1/2011 17:21:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-409.13**	F **22.859**	F **-4122.8**	**.00114**	**.00016**	**1.0873**	**.01288**
Stddev	284.35	.049	12.4	.00081	.00029	.0129	.00015
%RSD	69.499	.21273	.29976	70.621	178.44	1.1905	1.1474
#1	-672.04	22.843	-4137.0	.00038	-.00007	1.0731	.01279
#2	-107.35	22.820	-4117.0	.00105	.00007	1.0903	.01305
#3	-448.02	22.914	-4114.5	.00199	.00049	1.0985	.01281
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05779**	**.10062**	**.00103**	**.01161**	**.14737**	**2.6843**
Stddev	.00008	.00012	.00064	.00020	.00064	.0860
%RSD	.13000	.11537	61.820	1.7067	.43415	3.2024
#1	.05774	.10075	.00091	.01170	.14681	2.7635
#2	.05787	.10061	.00046	.01174	.14723	2.6965
#3	.05775	.10051	.00171	.01138	.14807	2.5929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66333.**	**69172.**
Stddev	126.	347.
%RSD	.18933	.50175
#1	66189.	69570.
#2	66397.	69019.
#3	66414.	68928.

Approved: April 04, 2011

Sample Name: L1103104311 Acquired: 4/1/2011 17:24:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**2.9140**	**.00698**	**.00440**	**.20956**	**.00101**	**27.252**
Stddev	.00046	.0173	.00038	.00021	.00140	.00001	.069
%RSD	63.193	.59214	5.4678	4.6843	.66928	.72046	.25446
#1	.00097	2.9118	.00707	.00458	.20807	.00102	27.192
#2	.00020	2.8980	.00657	.00443	.20977	.00100	27.235
#3	.00102	2.9323	.00732	.00417	.21085	.00101	27.328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.02369**	**.00598**	**.19517**	**9.7224**	**1.5668**	**.00301**
Stddev	.00002	.00012	.00015	.00107	.0425	.0441	.00049
%RSD	2.5291	.49364	2.4810	.54850	.43666	2.8164	16.328
#1	.00072	.02357	.00582	.19431	9.6777	1.6173	.00266
#2	.00069	.02371	.00601	.19483	9.7274	1.5358	.00280
#3	.00071	.02380	.00611	.19637	9.7622	1.5473	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5195**	**.94496**	**.00087**	**.31948**	**.00406**	F **8766.1**	**.15575**
Stddev	.0055	.00312	.00013	.00808	.00040	37.6	.00158
%RSD	.36469	.32979	14.860	2.5301	9.9543	.42948	1.0176
#1	1.5139	.94198	.00101	.32000	.00365	8727.9	.15460
#2	1.5198	.94471	.00085	.31116	.00407	8767.1	.15509
#3	1.5249	.94820	.00076	.32730	.00446	8803.2	.15756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104311 Acquired: 4/1/2011 17:24:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-327.95**	F **40.177**	F **-3115.5**	**.00079**	**-.00033**	**1.4531**	**-.00057**
Stddev	147.75	.284	15.0	.00071	.00039	.0032	.00022
%RSD	45.052	.70735	.48014	89.528	119.91	.22226	37.867
#1	-273.59	39.859	-3100.1	.00133	-.00077	1.4515	-.00053
#2	-215.08	40.267	-3116.2	-.00001	-.00015	1.4511	-.00081
#3	-495.17	40.406	-3130.0	.00107	-.00005	1.4569	-.00038
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03094**	**.07394**	**.00067**	**.01070**	**.08498**	**1.7037**
Stddev	.00034	.00064	.00025	.00027	.00047	.1035
%RSD	1.1098	.86746	38.087	2.5072	.55825	6.0722
#1	.03056	.07356	.00091	.01069	.08451	1.7976
#2	.03106	.07358	.00069	.01044	.08496	1.5928
#3	.03121	.07468	.00040	.01097	.08546	1.7207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65527.**	**68344.**
Stddev	39.	310.
%RSD	.05987	.45383
#1	65488.	68004.
#2	65566.	68612.
#3	65528.	68416.

Approved: April 04, 2011

Sample Name: L1103104401 Acquired: 4/1/2011 17:28:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**4.7500**	**.01460**	**.01498**	**.26605**	**.00154**	**28.264**
Stddev	.00016	.0361	.00053	.00056	.00191	.00002	.115
%RSD	6.5243	.75994	3.5996	3.7322	.71768	1.1374	.40716
#1	.00257	4.7183	.01400	.01493	.26427	.00152	28.174
#2	.00244	4.7424	.01487	.01444	.26580	.00154	28.224
#3	.00226	4.7893	.01494	.01556	.26807	.00156	28.394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.02001**	**.01570**	**.60386**	**15.260**	**3.2424**	**.00009**
Stddev	.00006	.00045	.00051	.00932	.094	.0276	.00101
%RSD	1.9178	2.2718	3.2330	1.5426	.61725	.84970	1099.3
#1	.00301	.01952	.01526	.59450	15.171	3.2113	-.00101
#2	.00307	.02008	.01559	.60395	15.250	3.2638	.00096
#3	.00313	.02042	.01626	.61313	15.359	3.2520	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3499**	**2.4263**	**.00495**	**.24944**	**.01102**	F **29272.**	**.38664**
Stddev	.0159	.0162	.00004	.00784	.00010	451.	.00577
%RSD	1.1751	.66668	.75966	3.1419	.87198	1.5422	1.4934
#1	1.3332	2.4098	.00495	.25385	.01094	28818.	.38086
#2	1.3519	2.4271	.00499	.25409	.01100	29277.	.38666
#3	1.3647	2.4421	.00491	.24040	.01113	29721.	.39241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103104401 Acquired: 4/1/2011 17:28:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **510.64**	F **55.352**	F **-9453.8**	**.00387**	**.00190**	**1.9143**	**.00545**
Stddev	209.28	.846	177.7	.00131	.00078	.0372	.00049
%RSD	40.984	1.5289	1.8794	33.865	40.957	1.9437	8.9596
#1	616.49	54.599	-9308.1	.00513	.00256	1.8777	.00504
#2	645.85	55.190	-9401.6	.00396	.00210	1.9131	.00532
#3	269.58	56.268	-9651.8	.00252	.00104	1.9520	.00599
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08654**	**.15275**	**.00204**	**.02839**	**.33403**	**3.6321**
Stddev	.00058	.00095	.00113	.00016	.00573	.0387
%RSD	.67135	.62464	55.121	.57498	1.7160	1.0644
#1	.08598	.15165	.00075	.02821	.32831	3.6759
#2	.08648	.15317	.00261	.02843	.33401	3.6173
#3	.08714	.15341	.00278	.02853	.33977	3.6029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65667.**	**67743.**
Stddev	91.	323.
%RSD	.13794	.47742
#1	65611.	67421.
#2	65771.	67740.
#3	65618.	68067.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 17:31:33 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42774**	**10.034**	**.41140**	**.50924**	**.96265**	**.05085**	**9.4912**
Stddev	.00117	.034	.00115	.00015	.00116	.00025	.0109
%RSD	.27280	.34110	.28074	.02851	.12009	.49623	.11486
#1	.42726	10.046	.41260	.50941	.96384	.05056	9.5010
#2	.42689	10.061	.41129	.50915	.96154	.05105	9.4931
#3	.42907	9.9955	.41030	.50916	.96257	.05092	9.4795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05208**	**.20921**	**.49754**	**.52071**	**3.8768**	**48.318**	**.98149**
Stddev	.00010	.00024	.00300	.00151	.0145	.100	.00451
%RSD	.18455	.11235	.60249	.28994	.37478	.20644	.45990
#1	.05215	.20911	.49478	.52245	3.8931	48.412	.98337
#2	.05197	.20904	.50073	.51990	3.8651	48.330	.97634
#3	.05213	.20948	.49711	.51977	3.8724	48.213	.98476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9037**	**.49469**	**1.0632**	**49.394**	**.51611**	F **40.721**	**.51624**
Stddev	.0200	.00156	.0006	.121	.00062	20.428	.00352
%RSD	.20219	.31602	.05279	.24481	.12055	50.166	.68240
#1	9.8951	.49411	1.0639	49.450	.51581	58.461	.51489
#2	9.9266	.49646	1.0628	49.476	.51570	45.315	.51359
#3	9.8895	.49349	1.0630	49.255	.51683	18.387	.52024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 17:31:33 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **541.52**	**10.579**	**9.9094**	**1.2698**	**.41580**	F **15.310**	**1.0708**
Stddev	293.70	.073	13.138	.0044	.00259	.012	.0005
%RSD	54.236	.68609	132.58	.34466	.62385	.07795	.04474
#1	811.68	10.502	24.835	1.2741	.41864	15.321	1.0714
#2	583.96	10.588	.09547	1.2654	.41356	15.297	1.0708
#3	228.91	10.647	4.7980	1.2699	.41521	15.311	1.0704
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000					5.0000	
Range	10.000%					10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95937**	**1.0229**	**.52577**	**1.0487**	**1.0333**	F **1.2584**
Stddev	.00165	.0011	.00158	.0019	.0004	.1384
%RSD	.17224	.10896	.30118	.17951	.03602	10.996
#1	.96011	1.0236	.52609	1.0466	1.0330	1.1565
#2	.96052	1.0216	.52405	1.0501	1.0333	1.2028
#3	.95747	1.0235	.52717	1.0495	1.0337	1.4160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63140.**	**65887.**
Stddev	54.	645.
%RSD	.08596	.97965
#1	63127.	65328.
#2	63094.	65741.
#3	63200.	66593.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 17:34:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00989**	**-.00048**	**.00094**	**.00016**	**.00002**	**-.00781**
Stddev	.00043	.00212	.00160	.00032	.00014	.00001	.00404
%RSD	147.09	21.463	335.37	33.823	85.585	37.622	51.727
#1	-.00049	.01077	.00045	.00074	.00000	.00003	-.01081
#2	.00020	.00747	.00045	.00078	.00023	.00002	-.00939
#3	-.00060	.01143	-.00233	.00131	.00025	.00002	-.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00002**	**.00003**	**.00014**	**-.00048**	**.03055**	**.00001**
Stddev	.00001	.00010	.00022	.00038	.00156	.00480	.00112
%RSD	93.337	602.22	842.82	272.69	324.12	15.715	20271.
#1	-.00003	-.00005	-.00023	-.00022	.00129	.02521	.00105
#2	.00000	.00012	.00013	.00053	-.00106	.03194	.00015
#3	-.00001	-.00002	.00018	.00011	-.00167	.03451	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01254**	**-.00011**	**.00052**	**-.00571**	**-.00038**	F **29.215**	**-.00082**
Stddev	.00683	.00008	.00004	.00303	.00026	33.086	.00060
%RSD	54.464	76.843	7.7028	53.048	67.989	113.25	74.054
#1	-.01017	-.00008	.00057	-.00433	-.00052	32.274	-.00120
#2	-.02023	-.00021	.00049	-.00361	-.00008	-5.2942	-.00012
#3	-.00720	-.00004	.00051	-.00918	-.00053	60.665	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 17:34:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **356.84**	F **.03130**	F **-9.1571**	**.00090**	**-.00144**	**.00641**	**.00036**
Stddev	192.39	.01142	2.7092	.00106	.00266	.00596	.00008
%RSD	53.916	36.494	29.585	117.22	184.78	92.978	21.140
#1	456.67	.04121	-6.7239	.00204	.00104	.00676	.00034
#2	135.05	.03388	-12.076	.00072	-.00111	.01219	.00045
#3	478.79	.01881	-8.6711	-.00005	-.00425	.00028	.00030
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00046**	**-.00010**	**.00012**	**.00008**	**-.04298**
Stddev	.00006	.00098	.00007	.00003	.00003	.10709
%RSD	215.32	214.56	70.893	28.946	31.860	249.15
#1	.00000	-.00110	-.00011	.00011	.00005	.05238
#2	.00009	.00067	-.00002	.00015	.00010	-.15884
#3	-.00001	-.00095	-.00017	.00009	.00009	-.02249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65107.**	**66170.**
Stddev	104.	315.
%RSD	.16012	.47569
#1	65175.	66126.
#2	65159.	65880.
#3	64987.	66505.

Approved: April 04, 2011

Sample Name: PBS 4B Acquired: 4/1/2011 17:38:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00445**	**-.00183**	**.00007**	**.00103**	**.00003**	**-.00166**
Stddev	.00022	.00084	.00067	.00020	.00005	.00001	.00043
%RSD	134.42	18.876	36.499	299.36	4.5196	42.352	26.193
#1	-.00037	.00443	-.00217	-.00011	.00098	.00002	-.00202
#2	-.00017	.00362	-.00226	.00002	.00103	.00004	-.00177
#3	.00006	.00531	-.00106	.00029	.00107	.00003	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00049**	**.00099**	**.00033**	**.00965**	**.02580**	**-.00180**
Stddev	.00005	.00008	.00038	.00038	.00081	.02602	.00075
%RSD	37.675	16.184	38.075	115.17	8.4317	100.86	41.520
#1	.00011	-.00053	.00080	.00034	.00877	-.00265	-.00266
#2	.00019	-.00054	.00142	.00071	.00980	.04841	-.00131
#3	.00010	-.00040	.00074	-.00005	.01038	.03164	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00420**	**.00012**	**.00045**	**.01444**	**.00038**	F **-98.745**	**-.00124**
Stddev	.00243	.00007	.00021	.00608	.00020	28.368	.00075
%RSD	57.790	61.495	45.133	42.096	51.181	28.728	60.674
#1	-.00698	.00019	.00064	.00934	.00039	-100.57	-.00156
#2	-.00251	.00012	.00023	.02117	.00057	-126.16	-.00178
#3	-.00310	.00004	.00050	.01282	.00018	-69.508	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS 4B Acquired: 4/1/2011 17:38:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **161.08**	**.33494**	F **-155.26**	**.00349**	**-.00121**	**.04086**	**-.00493**
Stddev	305.27	.01136	22.11	.00082	.00096	.00211	.00009
%RSD	189.52	3.3913	14.240	23.425	79.136	5.1619	1.8718
#1	-140.21	.34690	-163.30	.00431	-.00079	.03876	-.00504
#2	153.27	.32429	-172.22	.00348	-.00231	.04297	-.00487
#3	470.18	.33364	-130.26	.00267	-.00054	.04084	-.00488
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00052**	**-.00302**	**-.00008**	**.00240**	F **-.33412**
Stddev	.00002	.00063	.00028	.00019	.00006	.08578
%RSD	23.564	120.65	9.1689	222.06	2.4609	25.673
#1	.00006	.00020	-.00307	-.00019	.00246	-.43298
#2	.00009	-.00081	-.00328	.00013	.00234	-.27941
#3	.00007	-.00096	-.00273	-.00020	.00240	-.28997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64406.**	**66415.**
Stddev	153.	175.
%RSD	.23818	.26311
#1	64468.	66224.
#2	64231.	66567.
#3	64518.	66454.

Approved: April 04, 2011

Sample Name: LCSS 4B Acquired: 4/1/2011 17:42:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20353**	**.00196**	**.19786**	**-.00019**	**.00051**	**.00004**	**-.00891**
Stddev	.00142	.00120	.00041	.00037	.00010	.00000	.00067
%RSD	.69777	61.469	.20696	193.43	20.003	12.006	7.5002
#1	.20278	.00195	.19739	.00014	.00063	.00005	-.00828
#2	.20265	.00317	.19812	-.00058	.00044	.00004	-.00961
#3	.20517	.00076	.19807	-.00013	.00048	.00004	-.00885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02517**	**-.00051**	**.00101**	**.26685**	**.00730**	**.04272**	**-.00113**
Stddev	.00001	.00009	.00051	.00080	.00204	.03385	.00122
%RSD	.05509	18.087	50.405	.30044	27.962	79.239	108.49
#1	.02515	-.00041	.00145	.26604	.00499	.08156	-.00252
#2	.02518	-.00052	.00111	.26685	.00885	.02705	-.00021
#3	.02517	-.00059	.00045	.26765	.00806	.01953	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01421**	**.26416**	**.00032**	**.01289**	**.00045**	F **-91.772**	**.26978**
Stddev	.00827	.00117	.00016	.01163	.00021	17.934	.00161
%RSD	58.167	.44169	49.499	90.182	47.593	19.542	.59509
#1	-.01845	.26282	.00022	-.00029	.00032	-90.517	.27017
#2	-.00469	.26476	.00023	.02171	.00032	-74.499	.26801
#3	-.01950	.26491	.00050	.01726	.00069	-110.30	.27115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS 4B Acquired: 4/1/2011 17:42:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **440.06**	**.15396**	F **-65.823**	**.00380**	**-.00013**	**.03531**	**-.00514**
Stddev	511.79	.02355	16.118	.00097	.00161	.00203	.00013
%RSD	116.30	15.293	24.487	25.588	1266.7	5.7468	2.4657
#1	1024.0	.13276	-69.426	.00397	-.00103	.03457	-.00501
#2	226.84	.17930	-79.835	.00275	.00173	.03760	-.00515
#3	69.351	.14981	-48.209	.00467	-.00108	.03375	-.00526
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00059**	**-.00228**	**.00010**	**.00283**	F **-.24629**
Stddev	.00001	.00015	.00078	.00013	.00004	.10838
%RSD	50.036	25.375	34.370	128.10	1.4989	44.003
#1	-.00003	-.00042	-.00274	.00007	.00284	-.22434
#2	-.00001	-.00063	-.00271	.00025	.00278	-.36396
#3	-.00001	-.00071	-.00137	-.00001	.00286	-.15057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64100.**	**66023.**
Stddev	113.	70.
%RSD	.17569	.10626
#1	64172.	65946.
#2	64158.	66038.
#3	63970.	66084.

Approved: April 04, 2011

Sample Name: L1103082640 Acquired: 4/1/2011 17:45:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00681**	**191.22**	**.09987**	**.11928**	**1.5859**	**.00931**	**31.621**
Stddev	.00013	1.89	.00123	.00152	.0038	.00001	.198
%RSD	1.8419	.99019	1.2352	1.2702	.23810	.07370	.62716
#1	.00695	192.02	.10112	.12051	1.5820	.00931	31.458
#2	.00677	192.58	.09983	.11759	1.5862	.00931	31.563
#3	.00671	189.06	.09866	.11975	1.5895	.00930	31.842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00593**	**.11397**	**.25569**	**.14177**	**211.21**	**23.502**	**.16366**
Stddev	.00011	.00023	.00084	.00104	2.68	.102	.00149
%RSD	1.9200	.20022	.32782	.73055	1.2691	.43260	.91036
#1	.00580	.11424	.25650	.14245	213.03	23.392	.16435
#2	.00601	.11385	.25482	.14227	208.13	23.524	.16195
#3	.00599	.11383	.25574	.14057	212.47	23.592	.16468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.415**	**6.0602**	**.01038**	**.60295**	**.12118**	F **72331.**	**.31879**
Stddev	.044	.0169	.00021	.01039	.00074	56.	.00137
%RSD	.23885	.27827	2.0400	1.7235	.61245	.07715	.42887
#1	18.366	6.0447	.01015	.60494	.12107	72366.	.31951
#2	18.449	6.0578	.01056	.59171	.12050	72360.	.31965
#3	18.432	6.0782	.01043	.61221	.12197	72267.	.31722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082640 Acquired: 4/1/2011 17:45:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2179.7**	F **194.52**	F **-80132.**	**.00624**	**.00804**	**5.1383**	**.01043**
Stddev	207.3	.86	146.	.00062	.00129	.0155	.00035
%RSD	9.5110	.44387	.18160	9.8837	16.031	.30070	3.3776
#1	-2112.6	195.28	-80267.	.00694	.00941	5.1285	.01025
#2	-2014.3	194.70	-80152.	.00598	.00785	5.1562	.01083
#3	-2412.3	193.58	-79978.	.00579	.00685	5.1303	.01020
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26314**	**.90470**	**.01175**	**.47724**	**1.0365**	F **166.70**
Stddev	.00152	.00209	.00048	.00176	.0008	.11
%RSD	.57864	.23048	4.1235	.36906	.08061	.06889
#1	.26225	.90347	.01121	.47663	1.0361	166.65
#2	.26226	.90352	.01192	.47922	1.0374	166.63
#3	.26490	.90710	.01213	.47586	1.0359	166.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63804.**	**69803.**
Stddev	129.	250.
%RSD	.20140	.35773
#1	63692.	69850.
#2	63776.	69533.
#3	63944.	70026.

Approved: April 04, 2011

Sample Name: L1103082640PS Acquired: 4/1/2011 17:49:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360602-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22220**	**177.05**	**.29521**	**1.0426**	**1.9136**	**.03443**	**33.126**
Stddev	.00107	.83	.00157	.0047	.0064	.00003	.115
%RSD	.47931	.46611	.53135	.44943	.33564	.09205	.34590
#1	.22194	177.97	.29411	1.0448	1.9207	.03441	33.258
#2	.22338	176.82	.29700	1.0458	1.9118	.03446	33.065
#3	.22129	176.37	.29450	1.0372	1.9082	.03441	33.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03098**	**.20804**	**.48196**	**.38324**	**193.58**	**45.430**	**.64167**
Stddev	.00008	.00051	.00057	.00175	.56	.096	.00241
%RSD	.24667	.24679	.11776	.45536	.29036	.21081	.37561
#1	.03105	.20844	.48136	.38514	194.21	45.519	.64383
#2	.03100	.20821	.48206	.38287	193.14	45.329	.64210
#3	.03090	.20746	.48248	.38171	193.39	45.442	.63907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.419**	**5.7110**	**.55007**	**25.402**	**.36527**	F **66510.**	**.53672**
Stddev	.074	.0063	.00042	.042	.00104	95.	.00109
%RSD	.34465	.10941	.07680	.16457	.28440	.14294	.20243
#1	21.460	5.7170	.55048	25.446	.36630	66582.	.53554
#2	21.334	5.7045	.54963	25.363	.36530	66546.	.53694
#3	21.464	5.7115	.55009	25.396	.36422	66403.	.53767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082640PS Acquired: 4/1/2011 17:49:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360602-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2116.2**	F **185.26**	F **-73935.**	**.61878**	**.20937**	**12.301**	**.00967**
Stddev	288.4	.66	38.	.00121	.00087	.021	.00035
%RSD	13.627	.35633	.05181	.19501	.41314	.17398	3.6685
#1	-1864.4	185.82	-73940.	.62013	.20881	12.322	.01001
#2	-2430.8	185.42	-73895.	.61781	.21037	12.303	.00968
#3	-2053.5	184.53	-73971.	.61841	.20894	12.279	.00931
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72242**	**1.3273**	**.25770**	**.96934**	**1.4520**	F **150.87**
Stddev	.00221	.0033	.00087	.00523	.0012	.81
%RSD	.30647	.24857	.33662	.53936	.08408	.53936
#1	.72495	1.3311	.25870	.97106	1.4520	150.89
#2	.72145	1.3257	.25727	.97349	1.4533	151.67
#3	.72086	1.3251	.25713	.96347	1.4508	150.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63079.**	**69871.**
Stddev	133.	437.
%RSD	.21065	.62478
#1	63001.	69414.
#2	63004.	70284.
#3	63233.	69915.

Approved: April 04, 2011

Sample Name: L1103082640SDL Acquired: 4/1/2011 17:52:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360602-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**45.324**	**.02097**	**.02576**	**.31083**	**.00186**	**6.3007**
Stddev	.00053	.648	.00149	.00053	.00137	.00001	.0135
%RSD	41.921	1.4304	7.1111	2.0634	.44200	.38440	.21367
#1	.00098	45.673	.02264	.02529	.30998	.00187	6.3001
#2	.00096	45.723	.02048	.02634	.31010	.00186	6.2875
#3	.00189	44.576	.01978	.02566	.31241	.00186	6.3144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.02405**	**.05173**	**.03033**	**43.076**	**4.7695**	**.03280**
Stddev	.00006	.00017	.00030	.00029	.142	.0167	.00188
%RSD	5.0355	.71099	.58868	.94674	.33005	.34919	5.7372
#1	.00110	.02393	.05204	.03066	42.966	4.7712	.03090
#2	.00118	.02424	.05172	.03012	43.025	4.7852	.03467
#3	.00121	.02397	.05143	.03021	43.236	4.7520	.03284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8449**	**1.2261**	**.00192**	**.12133**	**.02552**	F **15808.**	**.06887**
Stddev	.0091	.0016	.00003	.00471	.00015	53.	.00037
%RSD	.23736	.13256	1.5866	3.8813	.57762	.33802	.53340
#1	3.8379	1.2242	.00194	.11590	.02535	15790.	.06918
#2	3.8416	1.2268	.00189	.12417	.02562	15869.	.06847
#3	3.8552	1.2272	.00194	.12393	.02559	15767.	.06897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082640SDL Acquired: 4/1/2011 17:52:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360602-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **104.74**	F **43.247**	F **-17500.**	**.00101**	**.00076**	**1.1091**	**-.00235**
Stddev	1010.2	.089	19.	.00059	.00239	.0068	.00009
%RSD	964.41	.20667	.10919	58.177	316.35	.61398	3.7145
#1	-1036.2	43.291	-17482.	.00090	.00338	1.1077	-.00225
#2	465.38	43.307	-17520.	.00048	-.00130	1.1165	-.00240
#3	885.10	43.144	-17498.	.00164	.00019	1.1031	-.00240
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05212**	**.17913**	**.00349**	**.09522**	**.21501**	**30.955**
Stddev	.00016	.00082	.00068	.00063	.00006	.248
%RSD	.30046	.45629	19.487	.65756	.02716	.80033
#1	.05230	.17948	.00403	.09484	.21508	31.144
#2	.05202	.17820	.00371	.09594	.21499	31.047
#3	.05204	.17972	.00273	.09487	.21497	30.675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66864.**	**70015.**
Stddev	112.	915.
%RSD	.16813	1.3073
#1	66981.	71033.
#2	66756.	69754.
#3	66856.	69259.

Approved: April 04, 2011

Sample Name: L1103082640SDL Acquired: 4/1/2011 17:56:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360602-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**9.3782**	**.00488**	**.00445**	**.06164**	**.00038**	**1.2366**
Stddev	.00047	.0716	.00053	.00059	.00013	.00001	.0064
%RSD	304.18	.76372	10.764	13.355	.20716	2.8447	.51503
#1	-.00069	9.3031	.00546	.00399	.06179	.00039	1.2426
#2	.00005	9.3859	.00477	.00512	.06155	.00036	1.2373
#3	.00018	9.4457	.00442	.00424	.06159	.00038	1.2299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00501**	**.01029**	**.00679**	**8.5090**	**.98337**	**.00451**
Stddev	.00006	.00008	.00018	.00035	.0222	.00965	.00079
%RSD	61.928	1.5600	1.7796	5.1054	.26030	.98143	17.473
#1	.00003	.00492	.01024	.00639	8.5340	.98683	.00533
#2	.00014	.00506	.01013	.00695	8.4919	.97247	.00443
#3	.00011	.00505	.01049	.00702	8.5010	.99082	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77033**	**.24910**	**.00042**	**.01954**	**.00457**	F **3307.5**	**.01426**
Stddev	.00843	.00121	.00017	.00505	.00018	33.7	.00045
%RSD	1.0940	.48473	39.416	25.833	4.0393	1.0197	3.1420
#1	.76793	.24794	.00050	.02292	.00464	3288.0	.01393
#2	.77969	.25035	.00023	.01374	.00471	3346.5	.01408
#3	.76336	.24899	.00053	.02197	.00436	3288.2	.01477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082640SDL Acquired: 4/1/2011 17:56:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360602-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **575.48**	F **9.0249**	F **-3619.6**	**.00038**	**-.00108**	**.21725**	**-.00494**
Stddev	356.03	.0101	16.8	.00166	.00199	.00320	.00024
%RSD	61.867	.11178	.46467	438.31	183.46	1.4736	4.8231
#1	949.04	9.0365	-3619.5	-.00052	.00115	.21427	-.00466
#2	240.05	9.0197	-3602.8	.00230	-.00266	.22064	-.00506
#3	537.33	9.0184	-3636.4	-.00064	-.00175	.21685	-.00509
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01050**	**.03464**	**.00179**	**.01896**	**.04547**	**5.2111**
Stddev	.00004	.00058	.00081	.00009	.00022	.1774
%RSD	.40154	1.6619	45.268	.49020	.48188	3.4048
#1	.01046	.03398	.00106	.01902	.04529	5.2560
#2	.01054	.03506	.00164	.01885	.04540	5.3618
#3	.01051	.03487	.00266	.01901	.04571	5.0156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67461.**	**69203.**
Stddev	172.	423.
%RSD	.25490	.61145
#1	67614.	68833.
#2	67493.	69113.
#3	67275.	69664.

Approved: April 04, 2011

Sample Name: L1103082641 Acquired: 4/1/2011 17:59:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**182.93**	**.11904**	**.12444**	**2.0866**	**.01288**	**34.465**
Stddev	.00046	1.88	.00131	.00132	.0020	.00000	.036
%RSD	10.004	1.0280	1.0972	1.0601	.09492	.03123	.10382
#1	.00410	184.52	.12025	.12384	2.0887	.01288	34.441
#2	.00474	180.85	.11766	.12353	2.0865	.01288	34.448
#3	.00500	183.41	.11922	.12595	2.0847	.01289	34.506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00651**	**.18076**	**.27301**	**.16193**	**277.17**	**16.659**	**.14255**
Stddev	.00006	.00070	.00100	.00137	2.09	.042	.00062
%RSD	.87043	.38705	.36654	.84353	.75410	.25016	.43660
#1	.00651	.18136	.27186	.16346	278.14	16.611	.14220
#2	.00657	.17999	.27345	.16085	274.77	16.680	.14219
#3	.00646	.18092	.27371	.16147	278.59	16.686	.14327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.406**	**9.1791**	**.01298**	**.69057**	**.12912**	F **52882.**	**.36282**
Stddev	.089	.0064	.00014	.00257	.00025	116.	.00119
%RSD	.48557	.06930	1.1131	.37272	.19301	.21848	.32871
#1	18.366	9.1764	.01282	.68973	.12896	52965.	.36194
#2	18.344	9.1745	.01304	.68852	.12941	52750.	.36418
#3	18.508	9.1864	.01309	.69346	.12900	52931.	.36234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082641 Acquired: 4/1/2011 17:59:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2088.6**	F **133.80**	F **-48467.**	**.00918**	**.01305**	**5.9426**	**.02365**
Stddev	108.1	.89	89.	.00055	.00135	.0214	.00027
%RSD	5.1733	.66450	.18431	5.9776	10.317	.35925	1.1584
#1	-2176.5	134.76	-48567.	.00951	.01200	5.9672	.02334
#2	-2121.3	133.00	-48396.	.00854	.01457	5.9317	.02374
#3	-1968.0	133.65	-48437.	.00948	.01258	5.9289	.02386
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27142**	**.38874**	**.01403**	**.54534**	**.76971**	F **183.43**
Stddev	.00030	.00053	.00084	.00145	.00108	.49
%RSD	.10954	.13762	5.9757	.26661	.14037	.26724
#1	.27118	.38934	.01483	.54684	.76897	182.98
#2	.27175	.38857	.01410	.54394	.76921	183.95
#3	.27134	.38831	.01316	.54523	.77095	183.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64107.**	**70677.**
Stddev	236.	410.
%RSD	.36751	.58045
#1	63835.	70241.
#2	64248.	71055.
#3	64238.	70736.

Approved: April 04, 2011

Sample Name: L1103082642S Acquired: 4/1/2011 18:03:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19630**	**234.38**	**.32944**	**.15780**	**2.5843**	**.01490**	**34.977**
Stddev	.00027	.52	.00115	.00263	.0227	.00003	.318
%RSD	.13774	.22208	.34931	1.6681	.87966	.23483	.90791
#1	.19658	234.86	.32838	.15901	2.5597	.01489	34.675
#2	.19628	233.83	.33066	.15478	2.5886	.01487	34.948
#3	.19604	234.47	.32929	.15960	2.6046	.01494	35.308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03002**	**.45846**	**.35140**	**.40742**	**339.00**	**21.562**	**.18833**
Stddev	.00007	.00035	.00136	.00054	4.55	.174	.00058
%RSD	.23352	.07700	.38699	.13292	1.3426	.80899	.30988
#1	.03008	.45856	.35268	.40746	340.87	21.370	.18789
#2	.02995	.45807	.35157	.40794	333.81	21.606	.18899
#3	.03004	.45876	.34997	.40686	342.32	21.710	.18810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.980**	**20.722**	**.01621**	**.84141**	**.15740**	F **60210.**	**.79989**
Stddev	.159	.236	.00008	.00528	.00036	26.	.00273
%RSD	.72415	1.1413	.51093	.62801	.22821	.04357	.34161
#1	21.820	20.555	.01629	.83533	.15701	60220.	.79967
#2	21.981	20.992	.01613	.84487	.15749	60230.	.79727
#3	22.138	20.617	.01620	.84404	.15771	60180.	.80273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082642S Acquired: 4/1/2011 18:03:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1498.8**	F **134.69**	F **-48454.**	**.01158**	**.01630**	**6.5877**	**.01106**
Stddev	282.6	.25	98.	.00074	.00294	.0120	.00025
%RSD	18.853	.18762	.20328	6.3705	18.065	.18185	2.2746
#1	-1389.4	134.91	-48528.	.01084	.01339	6.6013	.01092
#2	-1287.4	134.74	-48492.	.01231	.01623	6.5825	.01135
#3	-1819.8	134.41	-48342.	.01160	.01928	6.5791	.01091
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29998**	**.72167**	**.02327**	**.71967**	**.88326**	F **219.95**
Stddev	.00228	.00353	.00087	.00157	.00097	1.36
%RSD	.76104	.48931	3.7585	.21797	.10928	.62025
#1	.29812	.71813	.02263	.72117	.88246	220.85
#2	.29928	.72169	.02426	.71980	.88300	220.63
#3	.30253	.72519	.02291	.71804	.88433	218.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63630.**	**69979.**
Stddev	51.	99.
%RSD	.08079	.14202
#1	63601.	70073.
#2	63599.	69991.
#3	63689.	69875.

Approved: April 04, 2011

Sample Name: L1103082643SD Acquired: 4/1/2011 18:07:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19293**	**224.95**	**.31164**	**.14032**	**1.9662**	**.01372**	**34.583**
Stddev	.00024	.68	.00161	.00357	.0052	.00008	.114
%RSD	.12644	.30352	.51769	2.5475	.26474	.55964	.33040
#1	.19316	224.64	.31285	.13858	1.9630	.01366	34.491
#2	.19295	224.47	.30981	.13795	1.9633	.01381	34.547
#3	.19268	225.73	.31226	.14443	1.9722	.01371	34.711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02983**	**.22060**	**.32979**	**.38599**	**307.60**	**20.328**	**.17530**
Stddev	.00004	.00041	.00219	.00112	4.83	.033	.00082
%RSD	.14922	.18595	.66255	.29008	1.5692	.16435	.46546
#1	.02987	.22030	.32741	.38563	306.28	20.316	.17488
#2	.02984	.22044	.33171	.38509	303.57	20.302	.17625
#3	.02978	.22107	.33025	.38724	312.95	20.365	.17479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.444**	**10.215**	**.01628**	**.79365**	**.14470**	F **56358.**	**.63376**
Stddev	.123	.029	.00029	.00481	.00018	140.	.00165
%RSD	.57232	.28833	1.8052	.60601	.12423	.24796	.25996
#1	21.377	10.190	.01628	.78812	.14471	56325.	.63416
#2	21.369	10.209	.01598	.79607	.14487	56238.	.63194
#3	21.585	10.247	.01657	.79678	.14451	56511.	.63516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082643SD Acquired: 4/1/2011 18:07:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360172-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2310.8**	F **128.89**	F **-45861.**	**.01144**	**.01213**	**6.8742**	**.01098**
Stddev	801.8	.44	59.	.00133	.00189	.0050	.00029
%RSD	34.699	.34073	.12892	11.661	15.583	.07313	2.6153
#1	-1593.9	128.60	-45821.	.01272	.01353	6.8692	.01077
#2	-3176.7	128.67	-45832.	.01153	.00998	6.8743	.01131
#3	-2161.7	129.39	-45929.	.01006	.01288	6.8792	.01087
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28824**	**.60849**	**.01741**	**.64478**	**.82424**	F **217.87**
Stddev	.00056	.00169	.00054	.00331	.00109	1.54
%RSD	.19325	.27770	3.0960	.51358	.13246	.70553
#1	.28762	.60745	.01798	.64096	.82302	216.12
#2	.28870	.60758	.01691	.64677	.82458	219.02
#3	.28839	.61044	.01734	.64661	.82512	218.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64052.**	**70674.**
Stddev	45.	581.
%RSD	.07095	.82160
#1	64077.	70624.
#2	64080.	71278.
#3	64000.	70120.

Approved: April 04, 2011

Sample Name: L1103082644 Acquired: 4/1/2011 18:10:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**165.34**	**.09162**	**.10391**	**1.4817**	**.00891**	**29.879**
Stddev	.00039	.56	.00098	.00246	.0004	.00003	.119
%RSD	7.2423	.34043	1.0725	2.3694	.02937	.31773	.39914
#1	.00563	164.86	.09195	.10441	1.4821	.00891	30.008
#2	.00568	165.95	.09239	.10124	1.4818	.00894	29.772
#3	.00497	165.20	.09051	.10609	1.4812	.00888	29.856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**.15691**	**.23815**	**.12826**	**198.39**	**18.702**	**.13462**
Stddev	.00007	.00061	.00084	.00038	2.43	.054	.00044
%RSD	1.3741	.38779	.35152	.29783	1.2250	.28912	.32351
#1	.00490	.15758	.23908	.12869	199.91	18.739	.13460
#2	.00492	.15673	.23791	.12796	195.59	18.640	.13420
#3	.00503	.15640	.23745	.12812	199.67	18.727	.13507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.014**	**7.3174**	**.00965**	**.70272**	**.10333**	F **69687.**	**.33196**
Stddev	.094	.0162	.00030	.00652	.00037	183.	.00104
%RSD	.58492	.22119	3.1347	.92806	.36143	.26235	.31348
#1	16.035	7.3312	.00953	.70233	.10306	69872.	.33183
#2	15.911	7.2996	.00942	.70943	.10316	69681.	.33099
#3	16.095	7.3214	.00999	.69640	.10375	69507.	.33306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082644 Acquired: 4/1/2011 18:10:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1848.8**	F **192.13**	F **-78264.**	**.00728**	**.00730**	**5.7866**	**.00734**
Stddev	130.3	1.21	140.	.00166	.00373	.0407	.00025
%RSD	7.0489	.63106	.17893	22.856	51.082	.70290	3.4031
#1	-1930.7	193.35	-78381.	.00536	.01011	5.8333	.00763
#2	-1698.5	192.14	-78303.	.00808	.00307	5.7680	.00726
#3	-1917.2	190.92	-78109.	.00838	.00871	5.7586	.00715
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23767**	**.69052**	**.01095**	**.45512**	**.73597**	F **140.88**
Stddev	.00087	.00023	.00082	.00032	.00186	.21
%RSD	.36671	.03384	7.5035	.06983	.25303	.14762
#1	.23865	.69031	.01030	.45540	.73811	140.93
#2	.23741	.69048	.01188	.45519	.73478	140.65
#3	.23697	.69077	.01068	.45477	.73501	141.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63801.**	**70510.**
Stddev	245.	805.
%RSD	.38430	1.1411
#1	63518.	69747.
#2	63937.	71350.
#3	63947.	70434.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 18:14:11 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42628**	**10.185**	**.41135**	**.51227**	**.95486**	**.05107**	**9.4424**
Stddev	.00197	.035	.00243	.00067	.00237	.00016	.0414
%RSD	.46190	.34225	.59116	.13077	.24794	.32168	.43854
#1	.42802	10.157	.41002	.51159	.95215	.05089	9.4122
#2	.42669	10.224	.41415	.51293	.95594	.05120	9.4254
#3	.42414	10.173	.40987	.51228	.95650	.05113	9.4896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05213**	**.20974**	**.50323**	**.52238**	**3.8908**	**48.265**	**.98068**
Stddev	.00013	.00092	.00205	.00133	.0207	.217	.00198
%RSD	.24707	.43957	.40707	.25382	.53101	.45037	.20235
#1	.05199	.20885	.50087	.52087	3.8673	48.057	.97856
#2	.05217	.21069	.50443	.52334	3.8994	48.248	.98249
#3	.05224	.20968	.50439	.52293	3.9059	48.491	.98101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.060**	**.50035**	**1.0699**	**49.433**	**.51907**	F **73.719**	**.52039**
Stddev	.032	.00154	.0008	.204	.00067	23.832	.00307
%RSD	.31561	.30741	.07846	.41323	.12954	32.329	.58992
#1	10.032	.50198	1.0700	49.353	.51837	67.496	.52324
#2	10.054	.49893	1.0689	49.281	.51971	100.05	.51714
#3	10.095	.50015	1.0706	49.665	.51914	53.616	.52077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 18:14:11 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1458.8**	**10.734**	F **-33.671**	**1.2725**	**.41683**	F **15.325**	**1.0779**
Stddev	304.1	.039	13.337	.0017	.00052	.022	.0014
%RSD	20.844	.36027	39.610	.13163	.12593	.14285	.13420
#1	1126.7	10.739	-44.349	1.2706	.41663	15.302	1.0770
#2	1723.6	10.770	-37.943	1.2736	.41743	15.345	1.0796
#3	1526.1	10.693	-18.722	1.2733	.41644	15.328	1.0772
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95501**	**1.0229**	**.53053**	**1.0544**	**1.0438**	F **1.5713**
Stddev	.00309	.0025	.00039	.0021	.0005	.1684
%RSD	.32387	.24566	.07345	.19685	.04687	10.715
#1	.95424	1.0207	.53045	1.0551	1.0438	1.4218
#2	.95238	1.0224	.53095	1.0561	1.0444	1.7537
#3	.95842	1.0257	.53018	1.0521	1.0434	1.5386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64110.**	**66318.**
Stddev	176.	473.
%RSD	.27428	.71289
#1	64312.	66776.
#2	64031.	66345.
#3	63988.	65832.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 18:17:31 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.01379**	**-.00064**	**.00176**	**.00027**	**.00001**	**-.00922**
Stddev	.00081	.00085	.00049	.00025	.00013	.00001	.01151
%RSD	638.27	6.1593	77.577	13.989	48.613	71.335	124.83
#1	.00027	.01368	-.00058	.00198	.00042	.00002	-.01861
#2	-.00106	.01300	-.00017	.00180	.00022	.00002	.00362
#3	.00041	.01469	-.00116	.00149	.00017	.00000	-.01265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00003**	**-.00009**	**.00050**	**.00582**	**.04548**	**-.00013**
Stddev	.00004	.00016	.00055	.00041	.00110	.02585	.00075
%RSD	54.571	614.94	617.32	82.756	18.821	56.838	572.17
#1	-.00007	-.00006	.00010	.00067	.00663	.03749	.00071
#2	-.00003	-.00008	.00034	.00080	.00627	.02457	-.00071
#3	-.00011	.00021	-.00071	.00003	.00457	.07439	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01511**	**.00032**	**.00007**	**-.00825**	**-.00035**	F **38.619**	**-.00127**
Stddev	.00477	.00002	.00010	.00349	.00048	44.079	.00033
%RSD	31.576	5.7082	140.12	42.229	137.16	114.14	26.186
#1	-.01785	.00031	.00017	-.01227	-.00014	-9.0800	-.00131
#2	-.01787	.00032	-.00003	-.00598	-.00001	47.089	-.00158
#3	-.00960	.00035	.00007	-.00651	-.00090	77.849	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 18:17:31 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1230.1**	F **.08744**	F **-19.525**	**.00029**	**-.00163**	**.00655**	**.00030**
Stddev	376.4	.04612	13.871	.00116	.00108	.00220	.00031
%RSD	30.604	52.739	71.040	396.64	66.298	33.559	104.83
#1	1484.1	.13935	-22.816	.00105	-.00067	.00444	.00015
#2	797.57	.05121	-4.3051	-.00104	-.00141	.00883	.00009
#3	1408.4	.07177	-31.455	.00087	-.00280	.00638	.00066
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00044**	**-.00099**	**.00016**	**.00008**	**-.04702**
Stddev	.00008	.00027	.00038	.00010	.00003	.15387
%RSD	102.55	61.676	38.165	64.451	35.058	327.28
#1	.00001	-.00028	-.00143	.00013	.00007	-.20342
#2	.00016	-.00029	-.00079	.00008	.00007	.10420
#3	.00005	-.00076	-.00076	.00028	.00012	-.04183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65426.**	**65832.**
Stddev	109.	89.
%RSD	.16682	.13460
#1	65479.	65878.
#2	65300.	65888.
#3	65499.	65730.

Approved: April 04, 2011

Sample Name: L1103082645 Acquired: 4/1/2011 18:21:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**227.60**	**.12008**	**.14730**	**2.4448**	**.01188**	**49.630**
Stddev	.00024	.64	.00067	.00073	.0032	.00004	.159
%RSD	3.4598	.27934	.55712	.49540	.13076	.32763	.32042
#1	.00733	227.48	.12073	.14813	2.4450	.01191	49.713
#2	.00685	227.04	.11940	.14700	2.4415	.01183	49.447
#3	.00705	228.29	.12012	.14677	2.4479	.01190	49.730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00689**	**.13537**	**.29786**	**.18698**	**279.98**	**23.651**	**.19804**
Stddev	.00009	.00017	.00126	.00077	2.84	.068	.00050
%RSD	1.2602	.12244	.42344	.41161	1.0135	.28721	.25267
#1	.00680	.13556	.29755	.18681	282.75	23.679	.19843
#2	.00696	.13528	.29678	.18631	277.08	23.573	.19822
#3	.00692	.13527	.29924	.18782	280.12	23.700	.19747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.387**	**12.140**	**.01219**	**.93003**	**.16611**	F **105080.**	**.68756**
Stddev	.044	.013	.00021	.00431	.00040	6.	.00039
%RSD	.18999	.10489	1.7469	.46353	.24279	.00573	.05672
#1	23.405	12.133	.01237	.92579	.16604	105090.	.68784
#2	23.337	12.132	.01224	.92988	.16654	105080.	.68712
#3	23.420	12.154	.01195	.93441	.16574	105080.	.68773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082645 Acquired: 4/1/2011 18:21:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2672.1**	F **232.88**	F **-90119.**	**.00843**	**.00841**	**5.5527**	**.01218**
Stddev	294.0	.12	114.	.00206	.00088	.0081	.00061
%RSD	11.002	.05048	.12704	24.452	10.426	.14606	5.0267
#1	-2555.9	232.78	-90175.	.00617	.00935	5.5484	.01177
#2	-3006.4	232.86	-90194.	.01020	.00826	5.5621	.01189
#3	-2454.0	233.01	-89987.	.00893	.00761	5.5477	.01288
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33569**	**.79326**	**.01595**	**.54087**	**1.3828**	F **173.24**
Stddev	.00063	.00094	.00074	.00203	.0022	.67
%RSD	.18799	.11866	4.6322	.37559	.16072	.38864
#1	.33580	.79221	.01510	.54241	1.3831	172.79
#2	.33501	.79401	.01633	.53857	1.3804	172.93
#3	.33625	.79356	.01641	.54162	1.3848	174.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63485.**	**70420.**
Stddev	122.	797.
%RSD	.19295	1.1315
#1	63365.	69506.
#2	63610.	70965.
#3	63481.	70790.

Approved: April 04, 2011

Sample Name: L1103082646 Acquired: 4/1/2011 18:24:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**182.24**	**.13656**	**.13012**	**2.2167**	**.01484**	**36.919**
Stddev	.00051	.94	.00115	.00007	.0048	.00004	.175
%RSD	11.444	.51573	.83869	.05261	.21635	.24014	.47423
#1	.00460	183.04	.13526	.13005	2.2128	.01485	36.725
#2	.00390	181.20	.13705	.13014	2.2153	.01480	36.967
#3	.00490	182.47	.13739	.13018	2.2221	.01487	37.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**.24412**	**.29849**	**.15365**	**315.02**	**14.212**	**.11585**
Stddev	.00006	.00129	.00086	.00117	1.86	.066	.00158
%RSD	1.0632	.52925	.28714	.76423	.59006	.46704	1.3679
#1	.00604	.24342	.29753	.15283	312.90	14.135	.11722
#2	.00594	.24333	.29875	.15313	315.79	14.249	.11622
#3	.00593	.24561	.29918	.15499	316.37	14.251	.11412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.820**	**10.460**	**.01772**	**1.5127**	**.12341**	F **50655.**	**.43049**
Stddev	.032	.007	.00023	.0084	.00057	46.	.00140
%RSD	.17035	.06965	1.3021	.55550	.46404	.09126	.32554
#1	18.786	10.454	.01745	1.5063	.12307	50604.	.42960
#2	18.823	10.458	.01787	1.5096	.12407	50664.	.42977
#3	18.850	10.468	.01783	1.5222	.12310	50695.	.43211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082646 Acquired: 4/1/2011 18:24:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1854.4**	F **126.48**	F **-43599.**	**.01154**	**.01340**	**6.2092**	**.01090**
Stddev	166.0	.65	129.	.00192	.00025	.0124	.00027
%RSD	8.9514	.51002	.29539	16.614	1.8322	.19892	2.4967
#1	-1894.1	125.91	-43537.	.01111	.01330	6.1957	.01060
#2	-1996.9	126.36	-43513.	.00988	.01321	6.2122	.01113
#3	-1672.1	127.18	-43747.	.01364	.01368	6.2198	.01096
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37109**	**.31397**	**.01626**	**.61126**	**.66405**	F **184.48**
Stddev	.00158	.00065	.00176	.00323	.00088	.70
%RSD	.42688	.20774	10.798	.52848	.13242	.37778
#1	.36928	.31326	.01537	.60923	.66325	183.97
#2	.37176	.31454	.01512	.60957	.66392	184.18
#3	.37222	.31412	.01828	.61499	.66499	185.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64098.**	**69617.**
Stddev	165.	351.
%RSD	.25745	.50487
#1	64234.	69276.
#2	64144.	69597.
#3	63914.	69978.

Approved: April 04, 2011

Sample Name: L1103082647 Acquired: 4/1/2011 18:28:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00385**	**150.92**	**.09175**	**.10464**	**1.2891**	**.00912**
Stddev	.00028	.52	.00052	.00058	.0025	.00003
%RSD	7.1452	.34136	.56433	.55061	.19092	.37212
#1	.00384	151.46	.09233	.10398	1.2889	.00916
#2	.00414	150.43	.09159	.10504	1.2917	.00910
#3	.00359	150.88	.09133	.10490	1.2868	.00910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.710**	**.00496**	**.08835**	**.22068**	**.15000**	**194.90**
Stddev	.095	.00005	.00070	.00085	.00189	.17
%RSD	.17993	1.1014	.79048	.38335	1.2605	.08902
#1	52.622	.00491	.08864	.22086	.15110	195.05
#2	52.696	.00502	.08885	.21976	.15110	194.92
#3	52.811	.00495	.08755	.22143	.14782	194.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.059**	**.12733**	**17.438**	**5.4773**	**.00840**	**.69378**
Stddev	.015	.00118	.072	.0086	.00020	.00578
%RSD	.09348	.92991	.41490	.15778	2.4292	.83313
#1	16.051	.12688	17.394	5.4705	.00838	.69591
#2	16.050	.12643	17.398	5.4743	.00862	.69820
#3	16.076	.12867	17.521	5.4870	.00821	.68724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082647 Acquired: 4/1/2011 18:28:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12098**	F **85437.**	**.29664**	F **-2069.5**	F **285.09**	F **-113820.**
Stddev	.00047	258.	.00248	145.8	2.74	217.
%RSD	.38585	.30167	.83556	7.0444	.96044	.19078
#1	.12079	85692.	.29757	-1998.4	287.92	-113890.
#2	.12151	85442.	.29851	-1972.9	284.88	-113990.
#3	.12063	85177.	.29383	-2237.2	282.46	-113580.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**.00698**	**5.8254**	**.00775**	**.34936**	**.52365**
Stddev	.00093	.00143	.0219	.00022	.00059	.00026
%RSD	11.651	20.421	.37576	2.8094	.16930	.04968
#1	.00822	.00533	5.8465	.00793	.34877	.52358
#2	.00694	.00781	5.8270	.00781	.34936	.52393
#3	.00874	.00780	5.8028	.00751	.34995	.52342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00749**	**.39004**	**.84747**	F **117.31**
Stddev	.00121	.00019	.00208	.29
%RSD	16.119	.04945	.24578	.24672
#1	.00759	.39024	.84982	117.51
#2	.00623	.39004	.84671	117.45
#3	.00864	.38986	.84587	116.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082647 Acquired: 4/1/2011 18:28:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64054.**	**69755.**
Stddev	294.	394.
%RSD	.45918	.56486
#1	63725.	69933.
#2	64147.	70029.
#3	64291.	69304.

Approved: April 04, 2011

Sample Name: L1103082648 Acquired: 4/1/2011 18:31:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**154.96**	**.09146**	**.09588**	**1.2804**	**.01036**	**30.103**
Stddev	.00014	.42	.00102	.00124	.0013	.00002	.051
%RSD	5.0807	.27105	1.1157	1.2891	.09974	.17553	.16966
#1	.00273	155.42	.09035	.09642	1.2793	.01037	30.064
#2	.00264	154.86	.09237	.09675	1.2800	.01036	30.085
#3	.00292	154.60	.09166	.09446	1.2818	.01034	30.161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00618**	**.09468**	**.23624**	**.13455**	**205.63**	**15.883**	**.12084**
Stddev	.00009	.00079	.00118	.00149	2.07	.018	.00068
%RSD	1.4718	.83774	.50003	1.1083	1.0076	.11345	.56444
#1	.00626	.09452	.23509	.13462	205.98	15.895	.12009
#2	.00619	.09555	.23745	.13600	207.50	15.862	.12103
#3	.00608	.09398	.23618	.13302	203.40	15.891	.12141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.893**	**4.6460**	**.01015**	**.82823**	**.10316**	F **56218.**	**.35986**
Stddev	.032	.0046	.00020	.00237	.00061	120.	.00302
%RSD	.20417	.09905	1.9324	.28585	.59573	.21353	.84057
#1	15.874	4.6407	.00996	.82871	.10323	56138.	.35776
#2	15.930	4.6480	.01035	.82566	.10374	56356.	.36333
#3	15.874	4.6493	.01015	.83032	.10252	56160.	.35849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082648 Acquired: 4/1/2011 18:31:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1247.1**	F **128.39**	F **-48097.**	**.00844**	**.00511**	**6.6607**	**.00869**
Stddev	249.8	.39	283.	.00151	.00100	.0095	.00013
%RSD	20.031	.30183	.58850	17.956	19.499	.14198	1.5329
#1	-959.78	128.56	-47978.	.00867	.00596	6.6580	.00873
#2	-1412.9	128.67	-48421.	.00982	.00401	6.6712	.00879
#3	-1368.6	127.95	-47893.	.00682	.00537	6.6528	.00854
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23795**	**.34670**	**.00845**	**.42472**	**.81742**	F **146.22**
Stddev	.00069	.00050	.00062	.00092	.00083	.72
%RSD	.28826	.14384	7.3399	.21690	.10201	.48902
#1	.23753	.34725	.00874	.42444	.81775	145.81
#2	.23757	.34654	.00887	.42575	.81804	147.05
#3	.23874	.34629	.00774	.42397	.81647	145.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64437.**	**69516.**
Stddev	190.	664.
%RSD	.29542	.95557
#1	64311.	69168.
#2	64343.	69098.
#3	64656.	70282.

Approved: April 04, 2011

Sample Name: L1103082701 Acquired: 4/1/2011 18:35:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00499**	**199.05**	**.11358**	**.12520**	**1.3136**	**.01053**	**41.534**
Stddev	.00016	.46	.00223	.00140	.0034	.00006	.102
%RSD	3.2693	.23267	1.9648	1.1181	.26027	.57915	.24617
#1	.00518	198.78	.11615	.12551	1.3171	.01052	41.540
#2	.00489	198.78	.11235	.12368	1.3134	.01048	41.429
#3	.00491	199.59	.11223	.12642	1.3102	.01060	41.633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**.10519**	**.28219**	**.15581**	**247.40**	**21.566**	**.16666**
Stddev	.00007	.00015	.00133	.00043	1.34	.062	.00081
%RSD	1.4125	.13857	.46986	.27311	.54058	.28968	.48528
#1	.00483	.10528	.28179	.15549	248.40	21.600	.16614
#2	.00476	.10503	.28111	.15565	245.88	21.494	.16625
#3	.00469	.10527	.28367	.15630	247.93	21.604	.16760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.507**	**5.0412**	**.01007**	**3.4480**	**.14638**	F **95894.**	**.24301**
Stddev	.071	.0142	.00017	.0206	.00037	124.	.00111
%RSD	.31397	.28088	1.6727	.59668	.25481	.12907	.45577
#1	22.527	5.0400	.00989	3.4522	.14664	95821.	.24190
#2	22.428	5.0277	.01022	3.4256	.14595	95825.	.24299
#3	22.566	5.0560	.01009	3.4661	.14654	96037.	.24412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082701 Acquired: 4/1/2011 18:35:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2280.4**	F **195.26**	F **-76064.**	**.00665**	**.00509**	**6.4217**	**.00661**
Stddev	405.7	.64	164.	.00230	.00227	.0038	.00049
%RSD	17.789	.32729	.21585	34.594	44.633	.05950	7.4619
#1	-2042.4	195.22	-75898.	.00556	.00247	6.4261	.00605
#2	-2050.0	194.64	-76226.	.00930	.00657	6.4198	.00682
#3	-2748.8	195.92	-76068.	.00510	.00621	6.4191	.00697
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31637**	**.59568**	**.01207**	**.49454**	**.66085**	F **178.80**
Stddev	.00114	.00086	.00089	.00269	.00013	1.41
%RSD	.36092	.14366	7.3950	.54383	.01953	.79035
#1	.31621	.59534	.01251	.49302	.66071	177.75
#2	.31532	.59505	.01265	.49296	.66086	178.24
#3	.31759	.59666	.01104	.49765	.66097	180.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63991.**	**70018.**
Stddev	97.	430.
%RSD	.15196	.61354
#1	63983.	69747.
#2	64092.	70513.
#3	63898.	69793.

Approved: April 04, 2011

Sample Name: L1103082702 Acquired: 4/1/2011 18:38:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00508**	**282.95**	**.10715**	**.17528**	**1.5601**	**.01874**
Stddev	.00056	1.89	.00098	.00169	.0018	.00005
%RSD	11.018	.66814	.91812	.96279	.11535	.26101
#1	.00542	283.43	.10801	.17335	1.5587	.01868
#2	.00443	280.86	.10608	.17651	1.5596	.01875
#3	.00539	284.55	.10736	.17597	1.5621	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**410.00**	**.00441**	**.10733**	**.30808**	**.19806**	**396.65**
Stddev	6.62	.00009	.00067	.00157	.00179	1.70
%RSD	1.6152	1.9962	.62855	.50987	.90412	.42944
#1	409.14	.00431	.10686	.30655	.19666	394.70
#2	417.00	.00443	.10702	.30800	.19744	397.84
#3	403.84	.00448	.10810	.30969	.20008	397.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.341**	**.21618**	**50.369**	**6.8140**	**.01184**	**29.070**
Stddev	.026	.00213	.159	.0092	.00008	.068
%RSD	.14894	.98419	.31481	.13455	.68067	.23321
#1	17.323	.21380	50.226	6.8039	.01183	29.008
#2	17.330	.21686	50.342	6.8218	.01192	29.143
#3	17.371	.21789	50.539	6.8163	.01176	29.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082702 Acquired: 4/1/2011 18:38:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19229**	F **46224.**	**.41128**	F **-2047.3**	F **677.21**	F **-129600.**
Stddev	.00040	69.	.00259	97.0	2.60	170.
%RSD	.20864	.14869	.63080	4.7396	.38379	.13095
#1	.19260	46188.	.41240	-2125.5	674.96	-129440.
#2	.19183	46303.	.41312	-2077.8	676.62	-129770.
#3	.19243	46180.	.40831	-1938.7	680.06	-129580.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00774**	**.00880**	**5.2244**	**.01027**	**2.3952**	**.32136**
Stddev	.00216	.00158	.0046	.00014	.0056	.00029
%RSD	27.881	17.972	.08859	1.4045	.23216	.08969
#1	.00944	.01061	5.2215	.01022	2.3922	.32169
#2	.00531	.00770	5.2297	.01016	2.4017	.32117
#3	.00846	.00809	5.2219	.01043	2.3919	.32123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01494**	**.51359**	**.58773**	F **196.20**
Stddev	.00128	.00259	.00078	.97
%RSD	8.5469	.50351	.13328	.49581
#1	.01618	.51071	.58712	195.34
#2	.01502	.51435	.58744	196.00
#3	.01363	.51571	.58861	197.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082702 Acquired: 4/1/2011 18:38:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61159.**	**68572.**
Stddev	124.	146.
%RSD	.20256	.21360
#1	61172.	68657.
#2	61276.	68656.
#3	61029.	68403.

Approved: April 04, 2011

Sample Name: L1103082703 Acquired: 4/1/2011 18:42:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**154.63**	**.07840**	**.10646**	**1.0970**	**.00843**	**112.93**
Stddev	.00052	.92	.00099	.00077	.0025	.00002	.23
%RSD	16.380	.59267	1.2573	.72673	.22645	.27022	.20141
#1	.00267	154.12	.07771	.10690	1.0999	.00845	112.86
#2	.00308	154.07	.07796	.10556	1.0959	.00844	113.18
#3	.00369	155.68	.07953	.10691	1.0953	.00841	112.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**.08821**	**.21595**	**.14695**	**196.55**	**20.299**	**.14153**
Stddev	.00006	.00060	.00072	.00091	.29	.038	.00236
%RSD	1.6096	.67453	.33375	.61644	.14526	.18560	1.6673
#1	.00384	.08758	.21634	.14591	196.88	20.312	.14414
#2	.00396	.08830	.21639	.14752	196.40	20.328	.13955
#3	.00387	.08875	.21512	.14743	196.37	20.256	.14090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.273**	**3.8683**	**.00710**	**.68479**	**.14526**	F **121250.**	**.16655**
Stddev	.023	.0036	.00014	.00442	.00070	142.	.00109
%RSD	.11349	.09375	2.0115	.64572	.47944	.11717	.65528
#1	20.287	3.8655	.00697	.68422	.14446	121100.	.16539
#2	20.285	3.8724	.00725	.68947	.14572	121270.	.16755
#3	20.246	3.8671	.00708	.68068	.14559	121380.	.16671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082703 Acquired: 4/1/2011 18:42:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1964.1**	F **303.72**	F **-92510.**	**.00617**	**.00650**	**7.1117**	**.00442**
Stddev	347.9	.94	77.	.00081	.00097	.0143	.00010
%RSD	17.716	.31048	.08347	13.197	14.880	.20089	2.3395
#1	-1875.1	302.63	-92434.	.00524	.00621	7.0954	.00451
#2	-1669.3	304.19	-92507.	.00648	.00758	7.1221	.00431
#3	-2347.9	304.32	-92588.	.00678	.00571	7.1176	.00445
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52619**	**.45606**	**.00590**	**.35837**	**.57964**	F **130.24**
Stddev	.00151	.00055	.00027	.00128	.00081	.32
%RSD	.28615	.12079	4.6524	.35779	.13895	.24853
#1	.52532	.45567	.00612	.35692	.58025	129.94
#2	.52793	.45669	.00599	.35933	.57995	130.58
#3	.52532	.45583	.00559	.35888	.57873	130.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62800.**	**69272.**
Stddev	58.	403.
%RSD	.09188	.58201
#1	62861.	68971.
#2	62746.	69116.
#3	62793.	69730.

Approved: April 04, 2011

Sample Name: L1103082704 Acquired: 4/1/2011 18:46:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**217.21**	**.11009**	**.14618**	**2.0198**	**.01414**	**216.78**
Stddev	.00061	2.10	.00060	.00268	.0037	.00005	.80
%RSD	15.314	.96636	.54285	1.8363	.18087	.38082	.37024
#1	.00470	219.00	.11072	.14632	2.0170	.01419	216.21
#2	.00359	214.90	.10999	.14879	2.0239	.01409	217.70
#3	.00371	217.74	.10954	.14343	2.0184	.01413	216.44
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.14775**	**.33004**	**.20065**	**308.70**	**24.495**	**.23034**
Stddev	.00010	.00012	.00170	.00136	4.76	.070	.00047
%RSD	1.9178	.08424	.51567	.67687	1.5415	.28393	.20526
#1	.00497	.14789	.33151	.20144	306.98	24.423	.23084
#2	.00501	.14764	.32818	.19908	314.08	24.561	.23030
#3	.00515	.14774	.33045	.20142	305.04	24.501	.22990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.989**	**7.9804**	**.00901**	**1.2727**	**.23621**	F **64390.**	**.27435**
Stddev	.029	.0149	.00015	.0137	.00081	139.	.00066
%RSD	.09199	.18614	1.6895	1.0745	.34093	.21512	.23963
#1	30.993	7.9671	.00917	1.2677	.23555	64545.	.27478
#2	31.014	7.9965	.00900	1.2882	.23597	64278.	.27359
#3	30.958	7.9777	.00887	1.2623	.23711	64348.	.27468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082704 Acquired: 4/1/2011 18:46:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2595.4**	F **317.59**	F **-48601.**	**.00763**	**.00536**	**6.5753**	**.00796**
Stddev	442.9	1.04	18.	.00230	.00065	.0094	.00025
%RSD	17.065	.32605	.03708	30.092	12.210	.14233	3.0928
#1	-2494.0	318.75	-48619.	.00538	.00462	6.5831	.00769
#2	-2212.0	316.78	-48602.	.00754	.00561	6.5649	.00817
#3	-3080.2	317.22	-48583.	.00996	.00585	6.5778	.00802
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2484**	**.42232**	**.01335**	**.53722**	**.75300**	F **198.82**
Stddev	.0056	.00083	.00315	.00151	.00121	.49
%RSD	.44842	.19716	23.599	.28048	.16015	.24837
#1	1.2439	.42143	.01050	.53889	.75367	199.36
#2	1.2546	.42246	.01282	.53596	.75161	198.40
#3	1.2466	.42308	.01673	.53681	.75373	198.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62789.**	**69683.**
Stddev	170.	430.
%RSD	.27107	.61638
#1	62603.	69225.
#2	62936.	69746.
#3	62827.	70077.

Approved: April 04, 2011

Sample Name: L1103082705 Acquired: 4/1/2011 18:49:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**202.25**	**.10790**	**.13215**	**1.6506**	**.01181**	**111.98**
Stddev	.00042	2.11	.00052	.00023	.0059	.00005	.56
%RSD	13.295	1.0415	.48229	.17070	.35602	.43122	.49831
#1	.00352	203.73	.10846	.13237	1.6513	.01187	111.82
#2	.00271	203.18	.10782	.13216	1.6444	.01177	111.51
#3	.00334	199.84	.10743	.13192	1.6561	.01180	112.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**.11820**	**.27470**	**.18234**	**267.70**	**21.396**	**.18248**
Stddev	.00009	.00019	.00115	.00045	2.01	.080	.00092
%RSD	1.8896	.16353	.41802	.24410	.74969	.37473	.50347
#1	.00480	.11816	.27463	.18183	269.60	21.376	.18211
#2	.00491	.11803	.27359	.18251	267.89	21.328	.18181
#3	.00472	.11841	.27589	.18267	265.60	21.485	.18353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.918**	**5.9971**	**.00901**	**1.1073**	**.20423**	F **87484.**	**.23828**
Stddev	.094	.0087	.00003	.0074	.00053	145.	.00129
%RSD	.32592	.14443	.30993	.66755	.25721	.16562	.54027
#1	28.923	5.9942	.00899	1.0990	.20388	87525.	.23716
#2	28.822	5.9902	.00901	1.1095	.20398	87603.	.23800
#3	29.010	6.0068	.00904	1.1133	.20483	87323.	.23968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082705 Acquired: 4/1/2011 18:49:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2314.4**	F **299.57**	F **-93123.**	**.00673**	**.00611**	**5.2737**	**.00661**
Stddev	104.7	.23	61.	.00144	.00261	.0016	.00030
%RSD	4.5230	.07536	.06509	21.392	42.711	.03118	4.4678
#1	-2257.2	299.61	-93185.	.00512	.00896	5.2756	.00665
#2	-2250.9	299.32	-93119.	.00790	.00384	5.2730	.00630
#3	-2435.3	299.77	-93064.	.00717	.00552	5.2726	.00689
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76363**	**.34353**	**.00962**	**.45664**	**.72004**	F **168.34**
Stddev	.00265	.00050	.00080	.00126	.00085	.96
%RSD	.34732	.14664	8.2783	.27676	.11792	.56882
#1	.76255	.34378	.00921	.45807	.71961	168.74
#2	.76169	.34295	.01054	.45618	.71949	167.24
#3	.76665	.34385	.00912	.45567	.72102	169.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63113.**	**70237.**
Stddev	58.	346.
%RSD	.09121	.49248
#1	63047.	69887.
#2	63151.	70578.
#3	63141.	70245.

Approved: April 04, 2011

Sample Name: L1103082706 Acquired: 4/1/2011 18:53:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**248.34**	**.10295**	**.14811**	**1.6166**	**.01299**	**112.30**
Stddev	.00008	.24	.00106	.00377	.0111	.00003	.89
%RSD	4.1388	.09497	1.0320	2.5434	.68723	.24752	.78835
#1	.00187	248.20	.10329	.14559	1.6038	.01300	111.41
#2	.00198	248.61	.10380	.14630	1.6222	.01301	112.32
#3	.00203	248.20	.10176	.15244	1.6237	.01295	113.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**.13019**	**.30732**	**.17345**	**351.84**	**15.790**	**.20930**
Stddev	.00010	.00006	.00033	.00027	6.36	.120	.00132
%RSD	2.4263	.04573	.10742	.15476	1.8072	.75696	.63122
#1	.00408	.13013	.30764	.17360	347.38	15.669	.21078
#2	.00394	.13018	.30698	.17361	349.02	15.792	.20825
#3	.00413	.13025	.30733	.17314	359.12	15.908	.20885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.860**	**4.8549**	**.00978**	**1.4085**	**.20992**	F **41678.**	**.26329**
Stddev	.245	.0214	.00013	.0006	.00098	87.	.00050
%RSD	.84779	.44059	1.2850	.04113	.46470	.20958	.19127
#1	28.612	4.8352	.00965	1.4089	.21033	41605.	.26349
#2	28.866	4.8518	.00979	1.4086	.21063	41775.	.26367
#3	29.101	4.8777	.00990	1.4078	.20881	41653.	.26272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082706 Acquired: 4/1/2011 18:53:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2029.8**	F **173.08**	F **-31294.**	**.00747**	**.00802**	**5.6433**	**.00805**
Stddev	139.6	.14	35.	.00175	.00123	.0136	.00016
%RSD	6.8761	.08148	.11046	23.418	15.338	.24112	1.9956
#1	-1913.7	172.92	-31325.	.00945	.00821	5.6289	.00802
#2	-2184.7	173.13	-31301.	.00680	.00914	5.6559	.00822
#3	-1991.0	173.19	-31256.	.00615	.00670	5.6450	.00790
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68724**	**.32829**	**.01052**	**.49644**	**.71679**	F **245.59**
Stddev	.00339	.00210	.00044	.00073	.00065	.66
%RSD	.49357	.64045	4.1349	.14614	.09081	.26819
#1	.68383	.32612	.01099	.49582	.71655	244.89
#2	.68729	.32842	.01044	.49625	.71752	245.69
#3	.69061	.33032	.01013	.49723	.71629	246.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63924.**	**69130.**
Stddev	84.	770.
%RSD	.13172	1.1146
#1	63832.	69414.
#2	63942.	69718.
#3	63997.	68258.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 18:57:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42356**	**10.174**	**.41103**	**.51095**	**.97972**	**.05099**	**9.6882**
Stddev	.00176	.024	.00095	.00154	.00076	.00011	.0199
%RSD	.41586	.23864	.22998	.30176	.07804	.21931	.20530
#1	.42473	10.161	.41052	.51057	.97932	.05107	9.6737
#2	.42443	10.202	.41212	.51265	.98060	.05104	9.7109
#3	.42154	10.158	.41045	.50964	.97924	.05086	9.6801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05202**	**.20906**	**.50354**	**.52149**	**4.0053**	**49.206**	**.99334**
Stddev	.00009	.00058	.00152	.00150	.0066	.088	.00063
%RSD	.17954	.27904	.30168	.28709	.16513	.17794	.06369
#1	.05192	.20901	.50436	.52130	4.0023	49.142	.99399
#2	.05211	.20850	.50447	.52010	4.0129	49.306	.99331
#3	.05203	.20966	.50179	.52308	4.0007	49.170	.99272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.210**	**.50389**	**1.0714**	**49.909**	**.51883**	F **66.728**	**.52173**
Stddev	.008	.00069	.0006	.142	.00109	22.870	.00089
%RSD	.07704	.13611	.05409	.28414	.20960	34.273	.17085
#1	10.214	.50446	1.0717	49.808	.51848	88.761	.52261
#2	10.201	.50408	1.0717	50.071	.51795	68.320	.52083
#3	10.216	.50313	1.0707	49.847	.52004	43.104	.52177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 18:57:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1259.3**	**10.752**	F **-21.237**	**1.2689**	**.41579**	F **15.294**	**1.0760**
Stddev	63.9	.038	5.416	.0031	.00120	.017	.0017
%RSD	5.0771	.35064	25.502	.24457	.28933	.11099	.15552
#1	1198.9	10.716	-24.454	1.2717	.41526	15.308	1.0773
#2	1326.3	10.791	-14.984	1.2695	.41717	15.275	1.0741
#3	1252.8	10.748	-24.272	1.2656	.41494	15.299	1.0766
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96762**	**1.0371**	**.52800**	**1.0494**	**1.0429**	F **1.7416**
Stddev	.00259	.0010	.00121	.0033	.0011	.1568
%RSD	.26747	.09237	.22925	.31758	.10303	9.0058
#1	.96664	1.0365	.52892	1.0507	1.0437	1.5669
#2	.97056	1.0382	.52845	1.0520	1.0417	1.7879
#3	.96567	1.0365	.52663	1.0457	1.0434	1.8702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64707.**	**65914.**
Stddev	131.	126.
%RSD	.20235	.19144
#1	64668.	66059.
#2	64853.	65857.
#3	64600.	65827.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 19:00:27 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.02012**	**.00045**	**.00178**	**.00051**	**.00001**	**-.00519**
Stddev	.00006	.00267	.00171	.00141	.00027	.00001	.00453
%RSD	11.565	13.257	382.37	79.110	53.273	61.943	87.380
#1	-.00049	.02296	-.00037	.00339	.00022	.00002	-.00960
#2	-.00055	.01976	.00241	.00125	.00075	.00002	-.00054
#3	-.00061	.01766	-.00070	.00072	.00057	.00001	-.00542
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00006**	**-.00001**	**.00054**	**.01393**	**.05706**	**.00000**
Stddev	.00006	.00003	.00017	.00030	.00190	.02558	.00089
%RSD	99.065	46.533	1306.7	55.811	13.616	44.830	561110.
#1	-.00013	.00008	.00004	.00058	.01426	.08414	-.00075
#2	-.00003	.00007	-.00021	.00082	.01189	.05371	-.00024
#3	-.00002	.00003	.00013	.00022	.01565	.03332	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01146**	**.00042**	**.00046**	**-.00836**	**.00146**	F **9.4487**	**-.00175**
Stddev	.00356	.00028	.00016	.00766	.00279	19.636	.00107
%RSD	31.064	67.591	35.091	91.547	191.62	207.82	60.811
#1	-.01152	.00010	.00031	.00004	.00043	-.86180	-.00193
#2	-.00787	.00064	.00064	-.01020	.00461	-2.8844	-.00061
#3	-.01498	.00050	.00044	-.01494	-.00067	32.092	-.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 19:00:27 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1960.4**	F **2.3498**	F **-1169.9**	**-.00047**	**-.00285**	**.01738**	**.00014**
Stddev	1347.3	3.6337	1832.0	.00067	.00112	.00985	.00011
%RSD	68.726	154.64	156.59	142.32	39.135	56.710	80.073
#1	1419.8	.25809	-127.18	-.00097	-.00272	.01132	.00010
#2	3494.1	6.5455	-3285.2	-.00073	-.00402	.02875	.00005
#3	967.37	.24567	-97.35	.00029	-.00180	.01207	.00026
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00002**	**-.00003**	**.00010**	**.00235**	**-.00455**
Stddev	.00008	.00075	.00158	.00003	.00397	.22767
%RSD	60.415	4838.6	6041.6	28.082	168.99	5008.4
#1	.00007	.00030	-.00093	.00009	.00001	.23354
#2	.00023	-.00087	-.00094	.00008	.00694	-.22012
#3	.00011	.00052	.00180	.00013	.00011	-.02706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65866.**	**64686.**
Stddev	177.	1886.
%RSD	.26832	2.9149
#1	65685.	66465.
#2	65876.	62710.
#3	66038.	64884.

Approved: April 04, 2011

Sample Name: L1103082707 Acquired: 4/1/2011 19:04:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19021**	**271.48**	**.28457**	**.15552**	**1.5060**	**.01393**	**67.717**
Stddev	.00124	2.59	.00192	.00493	.0046	.00007	.210
%RSD	.65138	.95233	.67357	3.1730	.30622	.48767	.31021
#1	.19163	271.37	.28434	.15154	1.5082	.01400	67.616
#2	.18934	268.96	.28659	.15398	1.5007	.01387	67.577
#3	.18966	274.12	.28278	.16104	1.5090	.01391	67.959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02711**	**.12816**	**.33777**	**.40276**	**368.20**	**17.051**	**.22839**
Stddev	.00011	.00062	.00211	.00177	7.25	.059	.00189
%RSD	.40844	.48708	.62589	.43988	1.9689	.34437	.82959
#1	.02722	.12886	.34000	.40480	361.50	17.026	.22948
#2	.02700	.12765	.33579	.40190	367.21	17.010	.22620
#3	.02711	.12798	.33752	.40159	375.90	17.119	.22949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.258**	**4.7248**	**.01029**	**1.4556**	**.21597**	F **43736.**	**.49502**
Stddev	.170	.0157	.00006	.0068	.00080	144.	.00258
%RSD	.56026	.33119	.55028	.46588	.37220	.33036	.52082
#1	30.161	4.7128	.01030	1.4494	.21688	43902.	.49729
#2	30.159	4.7190	.01034	1.4546	.21569	43635.	.49554
#3	30.453	4.7425	.01023	1.4628	.21534	43673.	.49222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082707 Acquired: 4/1/2011 19:04:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2192.3**	F **134.07**	F **-33039.**	**.00706**	**.00738**	**7.9652**	**.00892**
Stddev	498.5	.62	48.	.00094	.00035	.0209	.00029
%RSD	22.739	.46443	.14555	13.255	4.7448	.26267	3.2956
#1	-2603.3	134.79	-33047.	.00701	.00735	7.9860	.00867
#2	-1637.8	133.71	-33082.	.00615	.00704	7.9656	.00924
#3	-2335.9	133.71	-32987.	.00802	.00774	7.9441	.00885
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53426**	**.45224**	**.01257**	**.55639**	**.75509**	F **257.15**
Stddev	.00102	.00211	.00163	.00273	.00213	1.17
%RSD	.19069	.46759	12.967	.48993	.28216	.45671
#1	.53348	.45158	.01105	.55924	.75753	258.31
#2	.53388	.45054	.01429	.55381	.75358	255.96
#3	.53541	.45461	.01236	.55613	.75417	257.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63642.**	**69855.**
Stddev	287.	196.
%RSD	.45156	.27992
#1	63310.	69742.
#2	63812.	70081.
#3	63803.	69742.

Approved: April 04, 2011

Sample Name: L1103082708 Acquired: 4/1/2011 19:07:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19216**	**269.96**	**.32748**	**.18753**	**1.5541**	**.01688**	**187.27**
Stddev	.00111	1.76	.00085	.00268	.0033	.00002	.59
%RSD	.57944	.65270	.25942	1.4301	.21333	.13364	.31580
#1	.19321	270.18	.32711	.18547	1.5517	.01686	187.05
#2	.19100	268.10	.32845	.19056	1.5527	.01690	186.82
#3	.19227	271.61	.32688	.18655	1.5579	.01689	187.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02856**	**.15397**	**.43365**	**.41069**	**435.70**	**17.936**	**.22258**
Stddev	.00010	.00020	.00138	.00173	2.06	.057	.00083
%RSD	.36389	.13020	.31914	.42175	.47210	.31740	.37445
#1	.02854	.15420	.43376	.41261	434.05	17.925	.22235
#2	.02867	.15387	.43497	.41020	438.01	17.885	.22188
#3	.02846	.15384	.43221	.40925	435.05	17.998	.22350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.784**	**5.7201**	**.01567**	**1.4940**	**.20316**	F **52956.**	**.54271**
Stddev	.093	.0099	.00013	.0054	.00032	115.	.00133
%RSD	.29319	.17351	.83601	.36168	.15767	.21759	.24473
#1	31.704	5.7213	.01583	1.4967	.20337	53049.	.54150
#2	31.763	5.7097	.01559	1.4878	.20280	52992.	.54413
#3	31.886	5.7295	.01561	1.4976	.20333	52827.	.54249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082708 Acquired: 4/1/2011 19:07:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2627.8**	F **308.07**	F **-60876.**	**.01172**	**.00971**	**6.4846**	**.01063**
Stddev	239.6	1.00	66.	.00116	.00194	.0139	.00010
%RSD	9.1191	.32552	.10799	9.8972	19.932	.21430	.97603
#1	-2903.5	309.14	-60938.	.01202	.00980	6.4949	.01055
#2	-2469.2	307.93	-60884.	.01043	.00773	6.4902	.01060
#3	-2510.7	307.15	-60807.	.01269	.01160	6.4688	.01075
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0706**	**.57504**	**.01820**	**.68656**	**.69502**	F **250.40**
Stddev	.0028	.00126	.00359	.00158	.00098	.88
%RSD	.25851	.21872	19.706	.23032	.14114	.34978
#1	1.0718	.57543	.02205	.68834	.69576	249.70
#2	1.0674	.57363	.01496	.68530	.69390	251.38
#3	1.0725	.57605	.01759	.68605	.69538	250.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62710.**	**70080.**
Stddev	189.	180.
%RSD	.30116	.25668
#1	62494.	70160.
#2	62843.	70207.
#3	62792.	69874.

Approved: April 04, 2011

Sample Name: L1103082709 Acquired: 4/1/2011 19:11:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00437**	**206.37**	**.13922**	**.14027**	**1.8670**	**.01390**	**59.436**
Stddev	.00021	.30	.00053	.00139	.0047	.00005	.230
%RSD	4.7179	.14471	.37865	.99385	.25090	.34394	.38749
#1	.00461	206.70	.13981	.13935	1.8688	.01386	59.336
#2	.00423	206.29	.13880	.13959	1.8706	.01396	59.699
#3	.00429	206.12	.13904	.14188	1.8617	.01389	59.272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00586**	**.11135**	**.29664**	**.17847**	**306.32**	**21.628**	**.15038**
Stddev	.00006	.00029	.00131	.00152	2.14	.083	.00074
%RSD	1.0840	.26034	.44236	.85028	.69807	.38183	.49187
#1	.00592	.11136	.29610	.17905	306.62	21.639	.15023
#2	.00587	.11164	.29813	.17961	304.04	21.705	.14973
#3	.00579	.11106	.29568	.17674	308.28	21.541	.15119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.401**	**5.8880**	**.01444**	**.64930**	**.14990**	F **99086.**	**.31377**
Stddev	.078	.0141	.00002	.01330	.00024	101.	.00085
%RSD	.34626	.23859	.17109	2.0477	.16320	.10241	.26944
#1	22.328	5.8746	.01443	.63904	.14990	99121.	.31328
#2	22.483	5.9026	.01446	.66432	.15014	99166.	.31330
#3	22.393	5.8868	.01442	.64453	.14965	98972.	.31475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082709 Acquired: 4/1/2011 19:11:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1918.0**	F **207.41**	F **-73696.**	**.00812**	**.00727**	**5.5684**	**.00973**
Stddev	507.1	.43	131.	.00051	.00122	.0079	.00027
%RSD	26.437	.20819	.17836	6.2409	16.732	.14185	2.8017
#1	-1333.7	207.81	-73841.	.00864	.00604	5.5775	.00970
#2	-2242.5	207.47	-73583.	.00762	.00847	5.5633	.00947
#3	-2177.8	206.95	-73665.	.00811	.00731	5.5643	.01002
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37957**	**.32472**	**.01338**	**.57804**	**.85539**	F **192.00**
Stddev	.00153	.00059	.00102	.00118	.00175	.73
%RSD	.40340	.18070	7.6167	.20355	.20440	.38216
#1	.37866	.32424	.01439	.57732	.85573	191.20
#2	.38133	.32538	.01236	.57939	.85695	192.63
#3	.37870	.32455	.01338	.57739	.85350	192.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63977.**	**70048.**
Stddev	142.	252.
%RSD	.22172	.35943
#1	63890.	70120.
#2	63901.	69768.
#3	64141.	70256.

Approved: April 04, 2011

Sample Name: L1103082710 Acquired: 4/1/2011 19:14:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**163.78**	**.09693**	**.10407**	**1.4783**	**.01012**	**32.528**
Stddev	.00012	.42	.00126	.00213	.0022	.00009	.099
%RSD	2.7204	.25910	1.2979	2.0437	.15234	.85465	.30558
#1	.00456	163.29	.09712	.10191	1.4761	.01003	32.414
#2	.00437	163.99	.09559	.10616	1.4782	.01011	32.575
#3	.00434	164.05	.09808	.10415	1.4806	.01021	32.596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00586**	**.09480**	**.27977**	**.12193**	**216.66**	**13.819**	**.12643**
Stddev	.00005	.00052	.00048	.00105	2.80	.025	.00098
%RSD	.90541	.54363	.17181	.85772	1.2904	.17854	.77623
#1	.00580	.09425	.27935	.12100	213.44	13.794	.12530
#2	.00586	.09490	.27967	.12171	218.15	13.818	.12708
#3	.00590	.09526	.28030	.12306	218.39	13.844	.12691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.261**	**6.4331**	**.01079**	**.71751**	**.10567**	F **49624.**	**.27714**
Stddev	.084	.0209	.00014	.00148	.00022	144.	.00210
%RSD	.51461	.32471	1.3211	.20695	.20602	.29047	.75766
#1	16.183	6.4111	.01069	.71894	.10575	49587.	.27472
#2	16.251	6.4353	.01072	.71598	.10584	49502.	.27842
#3	16.349	6.4527	.01095	.71762	.10542	49783.	.27828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082710 Acquired: 4/1/2011 19:14:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1846.8**	F **107.73**	F **-37156.**	**.00876**	**.00748**	**5.4185**	**.00770**
Stddev	76.3	.73	34.	.00196	.00135	.0146	.00040
%RSD	4.1305	.67718	.09124	22.387	18.103	.26949	5.2274
#1	-1880.0	107.10	-37130.	.00794	.00860	5.4327	.00746
#2	-1900.8	107.56	-37194.	.00735	.00785	5.4035	.00817
#3	-1759.5	108.53	-37143.	.01100	.00598	5.4194	.00748
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25340**	**.49426**	**.01161**	**.48753**	**.67337**	F **167.75**
Stddev	.00037	.00070	.00104	.00216	.00193	.43
%RSD	.14722	.14069	8.9733	.44281	.28590	.25739
#1	.25297	.49347	.01202	.48559	.67137	167.33
#2	.25362	.49452	.01043	.48714	.67352	168.19
#3	.25362	.49478	.01239	.48985	.67521	167.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64716.**	**69104.**
Stddev	171.	350.
%RSD	.26356	.50653
#1	64888.	69352.
#2	64715.	69256.
#3	64547.	68704.

Approved: April 04, 2011

Sample Name: L1103082711 Acquired: 4/1/2011 19:18:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00489**	**219.92**	**.10607**	**.15739**	**2.3336**	**.01284**	**83.768**
Stddev	.00061	.89	.00073	.00229	.0079	.00001	.172
%RSD	12.482	.40693	.68353	1.4524	.33715	.07432	.20498
#1	.00556	220.68	.10688	.15526	2.3319	.01285	83.675
#2	.00436	220.15	.10548	.15980	2.3268	.01285	83.664
#3	.00474	218.93	.10584	.15710	2.3422	.01283	83.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**.13677**	**.34398**	**.28996**	**279.46**	**32.038**	**.24081**
Stddev	.00008	.00097	.00065	.00191	3.81	.105	.00109
%RSD	1.7334	.71134	.19021	.65827	1.3648	.32703	.45311
#1	.00451	.13786	.34437	.29216	275.96	31.950	.24023
#2	.00448	.13646	.34322	.28890	283.53	32.010	.24013
#3	.00436	.13599	.34434	.28881	278.90	32.154	.24207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.295**	**8.0179**	**.00574**	**1.0961**	**.25091**	F **73535.**	**.19988**
Stddev	.068	.0017	.00025	.0006	.00239	594.	.00138
%RSD	.20487	.02137	4.2754	.05635	.95263	.80710	.68832
#1	33.227	8.0163	.00591	1.0959	.25360	74210.	.20115
#2	33.295	8.0197	.00546	1.0957	.25010	73298.	.20008
#3	33.363	8.0176	.00585	1.0969	.24903	73096.	.19842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082711 Acquired: 4/1/2011 19:18:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2706.9**	F **217.79**	F **-68481.**	**.00630**	**.00589**	**4.7988**	**.00855**
Stddev	464.8	1.44	491.	.00272	.00124	.0294	.00018
%RSD	17.170	.66205	.71738	43.229	21.150	.61229	2.1210
#1	-3149.4	219.45	-69047.	.00931	.00657	4.8314	.00859
#2	-2222.7	217.03	-68229.	.00399	.00445	4.7742	.00870
#3	-2748.7	216.88	-68167.	.00561	.00664	4.7909	.00835
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68805**	**.51690**	**.01150**	**.49039**	**.77025**	F **174.11**
Stddev	.00044	.00082	.00194	.00118	.00370	1.04
%RSD	.06431	.15907	16.878	.24049	.48090	.59562
#1	.68773	.51727	.01036	.49174	.77431	174.96
#2	.68785	.51596	.01040	.48958	.76940	172.95
#3	.68855	.51747	.01374	.48985	.76704	174.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64443.**	**69453.**
Stddev	315.	101.
%RSD	.48825	.14523
#1	64122.	69458.
#2	64454.	69350.
#3	64751.	69552.

Approved: April 04, 2011

Sample Name: L1103082712 Acquired: 4/1/2011 19:22:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**240.13**	**.12212**	**.16925**	**2.4468**	**.01622**	**63.405**
Stddev	.00037	3.31	.00043	.00383	.0026	.00005	.095
%RSD	10.305	1.3786	.34963	2.2617	.10780	.31095	.15027
#1	.00394	238.78	.12163	.16497	2.4457	.01617	63.295
#2	.00375	243.90	.12229	.17044	2.4498	.01623	63.469
#3	.00322	237.71	.12243	.17234	2.4449	.01627	63.450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.17831**	**.35251**	**.24030**	**346.05**	**33.455**	**.26737**
Stddev	.00004	.00021	.00147	.00108	5.03	.032	.00171
%RSD	.88326	.12034	.41835	.44806	1.4537	.09561	.64119
#1	.00470	.17826	.35098	.24138	340.26	33.419	.26856
#2	.00478	.17812	.35265	.24028	348.53	33.479	.26815
#3	.00473	.17854	.35392	.23923	349.35	33.467	.26541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.516**	**8.9792**	**.00947**	**1.1305**	**.31512**	F **59331.**	**.24609**
Stddev	.079	.0040	.00023	.0043	.00058	48.	.00214
%RSD	.21082	.04491	2.4045	.38011	.18360	.08029	.86996
#1	37.439	8.9757	.00931	1.1348	.31578	59284.	.24813
#2	37.597	8.9783	.00936	1.1262	.31471	59331.	.24386
#3	37.511	8.9836	.00973	1.1306	.31487	59379.	.24627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082712 Acquired: 4/1/2011 19:22:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2774.5**	F **115.79**	F **-26411.**	**.00779**	**.00662**	**6.0515**	**.00973**
Stddev	160.8	.02	25.	.00106	.00281	.0042	.00023
%RSD	5.7940	.01998	.09628	13.555	42.424	.06939	2.3391
#1	-2838.2	115.81	-26394.	.00837	.00418	6.0488	.00978
#2	-2591.6	115.76	-26398.	.00657	.00968	6.0494	.00993
#3	-2893.6	115.79	-26440.	.00844	.00599	6.0563	.00948
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69860**	**.35412**	**.01311**	**.54159**	**.81656**	F **190.25**
Stddev	.00052	.00084	.00182	.00068	.00021	.42
%RSD	.07385	.23629	13.883	.12630	.02610	.22105
#1	.69882	.35462	.01438	.54238	.81665	190.01
#2	.69801	.35315	.01394	.54123	.81632	190.00
#3	.69898	.35458	.01103	.54115	.81671	190.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64757.**	**69925.**
Stddev	97.	128.
%RSD	.14911	.18336
#1	64646.	69932.
#2	64799.	69793.
#3	64825.	70050.

Approved: April 04, 2011

Sample Name: L1103082713 Acquired: 4/1/2011 19:25:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00621**	**179.30**	**.14114**	**.14253**	**1.5708**	**.01156**	**41.204**
Stddev	.00019	1.51	.00151	.00334	.0059	.00004	.109
%RSD	3.0367	.84342	1.0702	2.3416	.37446	.33750	.26405
#1	.00622	178.79	.14091	.13876	1.5752	.01156	41.265
#2	.00640	181.00	.14275	.14370	1.5730	.01161	41.269
#3	.00602	178.11	.13976	.14512	1.5641	.01153	41.079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01113**	**.14688**	**.30029**	**.25107**	**303.97**	**23.346**	**.14001**
Stddev	.00009	.00034	.00135	.00133	5.37	.023	.00127
%RSD	.79146	.22868	.44863	.53145	1.7672	.09786	.90655
#1	.01122	.14678	.30118	.25248	298.05	23.353	.14138
#2	.01104	.14725	.30095	.25092	305.32	23.365	.13977
#3	.01114	.14660	.29874	.24982	308.54	23.321	.13887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.125**	**8.2466**	**.01475**	**.64566**	**.13001**	F **160120.**	**.59586**
Stddev	.009	.0070	.00013	.00804	.00060	130.	.00039
%RSD	.04683	.08459	.87892	1.2456	.46241	.08119	.06603
#1	19.134	8.2521	.01469	.64021	.13070	159970.	.59563
#2	19.124	8.2387	.01465	.65490	.12968	160220.	.59632
#3	19.116	8.2488	.01489	.64189	.12964	160160.	.59563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082713 Acquired: 4/1/2011 19:25:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2036.8**	F **167.22**	F **-62712.**	**.01087**	**.00961**	**5.1154**	**.06453**
Stddev	387.6	.27	104.	.00130	.00379	.0190	.00021
%RSD	19.027	.15886	.16542	12.003	39.439	.37075	.31940
#1	-1632.1	167.43	-62600.	.01167	.01397	5.0935	.06473
#2	-2404.5	167.32	-62734.	.00936	.00772	5.1259	.06432
#3	-2074.0	166.92	-62804.	.01157	.00714	5.1268	.06452
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29723**	**.55846**	**.01400**	**.57440**	**1.9189**	F **155.27**
Stddev	.00040	.00067	.00013	.00179	.0038	.65
%RSD	.13622	.12046	.92203	.31136	.19994	.41974
#1	.29750	.55922	.01411	.57336	1.9160	154.78
#2	.29742	.55795	.01403	.57646	1.9232	156.01
#3	.29676	.55821	.01386	.57338	1.9175	155.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64157.**	**69636.**
Stddev	172.	372.
%RSD	.26837	.53442
#1	64080.	69624.
#2	64036.	69270.
#3	64354.	70014.

Approved: April 04, 2011

Sample Name: L1103082435 Acquired: 4/1/2011 19:29:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**177.45**	**.12859**	**.15557**	**2.9967**	**.02009**	**43.390**
Stddev	.00011	1.14	.00060	.00478	.0115	.00012	.207
%RSD	2.3900	.64506	.46387	3.0752	.38516	.61914	.47718
#1	.00465	177.43	.12792	.15297	3.0093	.02021	43.544
#2	.00449	176.31	.12907	.16109	2.9941	.01996	43.470
#3	.00470	178.60	.12878	.15264	2.9867	.02009	43.154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**.21418**	**.34031**	**.17715**	**405.23**	**7.1845**	**.07658**
Stddev	.00015	.00018	.00292	.00276	8.24	.0391	.00085
%RSD	3.7310	.08637	.85898	1.5578	2.0340	.54383	1.1050
#1	.00397	.21438	.34308	.17866	400.94	7.2227	.07727
#2	.00422	.21402	.33725	.17397	414.74	7.1863	.07683
#3	.00394	.21414	.34059	.17883	400.03	7.1446	.07564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.671**	**10.061**	**.01707**	**1.0886**	**.14877**	F **33323.**	**.43274**
Stddev	.025	.010	.00008	.0096	.00082	115.	.00010
%RSD	.10593	.09675	.48580	.88018	.55160	.34630	.02203
#1	23.683	10.072	.01716	1.0955	.14928	33427.	.43285
#2	23.688	10.060	.01703	1.0926	.14782	33343.	.43268
#3	23.642	10.052	.01702	1.0777	.14921	33199.	.43269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082435 Acquired: 4/1/2011 19:29:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1126.1**	F **151.77**	F **-54329.**	**.00931**	**.01508**	**6.5098**	**.00816**
Stddev	354.6	.58	70.	.00083	.00310	.0095	.00032
%RSD	31.486	.38109	.12943	8.9502	20.555	.14580	3.9704
#1	-1535.5	152.38	-54395.	.00849	.01689	6.5146	.00834
#2	-913.41	151.22	-54255.	.00927	.01685	6.4989	.00835
#3	-929.54	151.72	-54335.	.01015	.01150	6.5160	.00778
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36497**	**.19759**	**.01751**	**.63287**	**.38608**	F **225.28**
Stddev	.00154	.00079	.00092	.00227	.00035	1.29
%RSD	.42075	.39923	5.2619	.35850	.09136	.57455
#1	.36612	.19845	.01680	.63472	.38598	225.95
#2	.36556	.19744	.01719	.63034	.38647	223.79
#3	.36322	.19689	.01855	.63356	.38579	226.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64515.**	**69602.**
Stddev	189.	96.
%RSD	.29274	.13861
#1	64317.	69701.
#2	64693.	69508.
#3	64536.	69598.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 19:33:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42081**	**10.134**	**.40848**	**.50915**	**.96800**	**.05077**	**9.5975**
Stddev	.00158	.050	.00219	.00064	.00204	.00036	.0266
%RSD	.37501	.49629	.53513	.12533	.21123	.71682	.27699
#1	.41973	10.184	.41066	.50988	.96998	.05117	9.6199
#2	.42262	10.134	.40851	.50883	.96589	.05068	9.6046
#3	.42009	10.083	.40628	.50873	.96812	.05046	9.5681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05192**	**.20819**	**.50150**	**.52025**	**3.9507**	**48.809**	**.98630**
Stddev	.00017	.00075	.00421	.00270	.0067	.014	.00097
%RSD	.33056	.36146	.83986	.51870	.16917	.02934	.09857
#1	.05198	.20898	.50618	.52309	3.9558	48.822	.98650
#2	.05206	.20811	.50028	.51996	3.9532	48.811	.98525
#3	.05173	.20748	.49803	.51772	3.9431	48.794	.98716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.162**	**.49932**	**1.0671**	**49.668**	**.51763**	F **67.473**	**.51993**
Stddev	.036	.00080	.0015	.138	.00097	30.708	.00221
%RSD	.35644	.16008	.14285	.27695	.18762	45.512	.42505
#1	10.121	.50024	1.0654	49.687	.51844	54.005	.52160
#2	10.178	.49878	1.0684	49.795	.51791	102.61	.52077
#3	10.188	.49894	1.0675	49.521	.51656	45.800	.51743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 19:33:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1389.4**	**10.726**	F **-11.462**	**1.2616**	**.41407**	F **15.220**	**1.0738**
Stddev	254.7	.083	13.613	.0026	.00289	.022	.0024
%RSD	18.335	.77463	118.77	.20303	.69779	.14313	.21875
#1	1180.5	10.802	-26.781	1.2636	.41739	15.244	1.0763
#2	1314.5	10.740	-.7517	1.2626	.41271	15.215	1.0735
#3	1673.2	10.637	-6.8529	1.2587	.41212	15.202	1.0717
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96064**	**1.0276**	**.52931**	**1.0453**	**1.0398**	F **1.7980**
Stddev	.00242	.0005	.00099	.0029	.0022	.1532
%RSD	.25169	.04689	.18704	.27253	.21676	8.5188
#1	.96143	1.0272	.52975	1.0475	1.0417	1.7242
#2	.96256	1.0276	.52999	1.0464	1.0405	1.6957
#3	.95792	1.0281	.52817	1.0421	1.0373	1.9741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64807.**	**65912.**
Stddev	162.	314.
%RSD	.24989	.47694
#1	64670.	66218.
#2	64767.	65929.
#3	64986.	65590.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 19:36:24 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00964**	**.00047**	**.00104**	**-.00004**	**.00001**	**-.01142**
Stddev	.00009	.00078	.00029	.00044	.00011	.00001	.00416
%RSD	14.160	8.0909	61.123	42.338	296.32	99.650	36.445
#1	-.00068	.00932	.00060	.00098	-.00013	.00001	-.00956
#2	-.00066	.01053	.00014	.00150	.00008	.00002	-.00852
#3	-.00052	.00907	.00066	.00063	-.00005	.00000	-.01619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00008**	**.00008**	**.00052**	**.00502**	**.08966**	**-.00058**
Stddev	.00001	.00009	.00031	.00033	.00195	.02610	.00103
%RSD	13.932	111.95	395.98	63.002	38.788	29.111	179.36
#1	-.00009	-.00004	.00027	.00088	.00726	.06779	.00053
#2	-.00008	-.00018	.00025	.00024	.00404	.11855	-.00075
#3	-.00011	-.00002	-.00028	.00043	.00376	.08263	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00947**	**.00013**	**.00034**	**-.00954**	**-.00024**	F **29.794**	**-.00056**
Stddev	.00512	.00014	.00008	.00128	.00055	17.408	.00046
%RSD	54.057	104.75	24.192	13.439	231.38	58.426	81.031
#1	-.00944	-.00002	.00043	-.00856	.00035	11.567	-.00004
#2	-.00436	.00024	.00027	-.00908	-.00033	46.246	-.00085
#3	-.01459	.00017	.00033	-.01099	-.00073	31.570	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 19:36:24 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1423.2**	F **.08616**	F **-23.478**	**.00118**	**-.00079**	**.00854**	**.00026**
Stddev	211.7	.03083	23.641	.00036	.00171	.00108	.00010
%RSD	14.874	35.781	100.69	30.923	217.68	12.638	36.892
#1	1363.7	.05487	-37.415	.00158	-.00223	.00785	.00037
#2	1658.3	.08709	3.8177	.00108	.00111	.00798	.00023
#3	1247.7	.11651	-36.837	.00088	-.00124	.00978	.00018
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00133**	**-.00103**	**-.00002**	**.00002**	**.00201**
Stddev	.00006	.00073	.00082	.00020	.00001	.13377
%RSD	111.01	54.868	79.182	1181.2	47.584	6659.8
#1	.00009	-.00210	-.00187	.00016	.00002	-.08617
#2	-.00002	-.00065	-.00024	-.00023	.00003	.15593
#3	.00010	-.00124	-.00097	.00002	.00002	-.06373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66550.**	**65879.**
Stddev	129.	343.
%RSD	.19381	.52064
#1	66601.	65707.
#2	66646.	65655.
#3	66404.	66274.

Approved: April 04, 2011

Sample Name: PBS AD Acquired: 4/1/2011 19:40:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00055**	**-.00256**	**.00016**	**.00072**	**.00003**	**.00994**
Stddev	.00024	.00146	.00009	.00068	.00016	.00003	.00576
%RSD	72.808	268.05	3.3883	424.73	22.283	93.854	57.899
#1	-.00038	-.00086	-.00265	-.00049	.00077	.00003	.00369
#2	-.00007	.00206	-.00248	.00087	.00054	.00000	.01502
#3	-.00056	.00044	-.00254	.00010	.00084	.00005	.01112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00052**	**.00098**	**.00035**	**.02202**	**.06141**	**-.00133**
Stddev	.00004	.00018	.00035	.00014	.00132	.01056	.00083
%RSD	25.728	34.761	35.364	38.777	5.9830	17.202	61.902
#1	.00018	-.00066	.00062	.00049	.02218	.06985	-.00203
#2	.00012	-.00032	.00100	.00035	.02325	.04956	-.00155
#3	.00021	-.00057	.00132	.00022	.02063	.06480	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00585**	**.00035**	**.00041**	**.01619**	**.00044**	F **-79.664**	**.00014**
Stddev	.00722	.00025	.00009	.00941	.00018	31.209	.00083
%RSD	123.38	72.074	20.688	58.163	41.197	39.176	585.75
#1	-.00582	.00054	.00042	.02358	.00065	-57.790	-.00075
#2	-.01308	.00006	.00033	.01939	.00036	-65.798	.00029
#3	.00135	.00046	.00050	.00559	.00032	-115.40	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS AD Acquired: 4/1/2011 19:40:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **459.29**	**.55132**	F **-249.02**	**.00221**	**.00024**	**.04647**	**-.00501**
Stddev	457.50	.01459	17.18	.00056	.00127	.00112	.00019
%RSD	99.609	2.6455	6.8981	25.467	537.71	2.4195	3.8351
#1	-14.161	.56772	-242.87	.00229	.00131	.04692	-.00481
#2	493.09	.53981	-268.43	.00161	-.00116	.04519	-.00519
#3	898.96	.54644	-235.77	.00272	.00056	.04729	-.00502
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00035**	**-.00225**	**.00016**	**.00518**	F **-.25717**
Stddev	.00006	.00024	.00039	.00006	.00008	.10395
%RSD	100.68	69.521	17.203	41.182	1.5700	40.422
#1	.00012	-.00011	-.00244	.00021	.00527	-.26231
#2	.00004	-.00035	-.00252	.00008	.00513	-.35846
#3	.00001	-.00059	-.00181	.00018	.00512	-.15075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65485.**	**65518.**
Stddev	66.	555.
%RSD	.10143	.84707
#1	65492.	65736.
#2	65415.	65932.
#3	65547.	64888.

Approved: April 04, 2011

Sample Name: LCSS AD Acquired: 4/1/2011 19:43:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20218**	**.00044**	**.19754**	**.00014**	**.00215**	**.00006**	**.00669**
Stddev	.00050	.00082	.00111	.00067	.00011	.00001	.00492
%RSD	.24599	188.17	.56392	489.47	5.0622	8.4063	73.567
#1	.20267	-.00015	.19668	.00084	.00215	.00005	.00440
#2	.20167	.00008	.19880	-.00049	.00204	.00006	.00333
#3	.20220	.00138	.19715	.00006	.00226	.00006	.01233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02528**	**-.00037**	**.00114**	**.26737**	**.01818**	**.05182**	**-.00179**
Stddev	.00006	.00012	.00020	.00072	.00074	.00892	.00087
%RSD	.24495	31.627	17.384	.27057	4.0494	17.222	48.689
#1	.02528	-.00048	.00093	.26702	.01748	.04371	-.00216
#2	.02522	-.00039	.00117	.26688	.01812	.05037	-.00079
#3	.02534	-.00025	.00132	.26820	.01895	.06138	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01081**	**.26895**	**.00056**	**.01684**	**.00055**	F **-53.647**	**.27258**
Stddev	.00241	.00108	.00012	.00468	.00041	16.413	.00113
%RSD	22.310	.40089	21.350	27.775	74.378	30.595	.41559
#1	-.01305	.26786	.00069	.01947	.00100	-72.516	.27276
#2	-.01111	.26896	.00046	.01961	.00040	-45.747	.27136
#3	-.00826	.27002	.00053	.01144	.00023	-42.677	.27360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS AD Acquired: 4/1/2011 19:43:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1127.7**	**.25403**	F **-99.741**	**.00353**	**.00091**	**.05972**	**-.00506**
Stddev	360.8	.01915	21.023	.00039	.00058	.00035	.00002
%RSD	31.993	7.5369	21.078	11.054	63.728	.59404	.46256
#1	1062.6	.24812	-123.19	.00392	.00059	.06004	-.00505
#2	803.93	.27544	-82.585	.00314	.00055	.05977	-.00506
#3	1516.6	.23855	-93.445	.00353	.00157	.05934	-.00509
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00000**	**-.00142**	**-.00016**	**.00368**	F **-.33202**
Stddev	.00001	.0004	.00038	.00016	.00000	.03238
%RSD	22.945	37391.	27.005	97.961	.10137	9.7523
#1	.00003	-.00045	-.00108	-.00002	.00367	-.29464
#2	.00005	.00037	-.00184	-.00013	.00368	-.35147
#3	.00005	.00008	-.00134	-.00034	.00368	-.34995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65093.**	**65334.**
Stddev	44.	246.
%RSD	.06696	.37661
#1	65140.	65067.
#2	65085.	65381.
#3	65054.	65552.

Approved: April 04, 2011

Sample Name: L1103082714 Acquired: 4/1/2011 19:47:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00827**	**224.65**	**.14444**	**.15691**	**1.8789**	**.01179**	**42.088**
Stddev	.00028	1.34	.00093	.00230	.0021	.00003	.090
%RSD	3.3883	.59574	.64385	1.4673	.11043	.26715	.21306
#1	.00842	223.23	.14339	.15658	1.8765	.01181	42.013
#2	.00845	224.84	.14516	.15479	1.8800	.01175	42.187
#3	.00795	225.89	.14478	.15936	1.8802	.01181	42.063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01049**	**.15500**	**.32435**	**.24040**	**295.67**	**27.600**	**.17778**
Stddev	.00001	.00043	.00088	.00096	3.70	.142	.00127
%RSD	.13274	.27529	.27193	.40024	1.2509	.51608	.71517
#1	.01048	.15478	.32460	.24063	294.15	27.516	.17631
#2	.01051	.15473	.32508	.23935	292.97	27.765	.17858
#3	.01049	.15549	.32337	.24123	299.88	27.521	.17844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.281**	**8.9981**	**.01564**	**.89613**	**.14506**	F **168230.**	**.49959**
Stddev	.075	.0105	.00032	.01059	.00025	80.	.00182
%RSD	.32379	.11651	2.0490	1.1815	.17116	.04769	.36432
#1	23.242	8.9940	.01552	.89402	.14483	168230.	.49750
#2	23.368	9.0101	.01601	.90762	.14533	168140.	.50078
#3	23.233	8.9904	.01540	.88677	.14503	168300.	.50050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082714 Acquired: 4/1/2011 19:47:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1730.0**	F **175.55**	F **-66422.**	**.00850**	**.00901**	**6.6568**	**.04915**
Stddev	331.5	.78	129.	.00115	.00154	.0104	.00025
%RSD	19.160	.44187	.19395	13.568	17.044	.15568	.51859
#1	-1483.2	175.58	-66444.	.00796	.01040	6.6687	.04886
#2	-1600.1	174.77	-66284.	.00983	.00926	6.6514	.04933
#3	-2106.8	176.32	-66539.	.00772	.00736	6.6503	.04926
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36180**	**.91950**	**.01661**	**.60154**	**1.7507**	F **201.31**
Stddev	.00072	.00159	.00121	.00249	.0023	1.44
%RSD	.20000	.17243	7.2707	.41360	.13096	.71414
#1	.36133	.91853	.01718	.60425	1.7514	201.60
#2	.36263	.92133	.01743	.59936	1.7481	202.58
#3	.36143	.91863	.01522	.60101	1.7525	199.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64263.**	**69128.**
Stddev	133.	453.
%RSD	.20753	.65591
#1	64296.	69090.
#2	64376.	68695.
#3	64116.	69599.

Approved: April 04, 2011

Sample Name: L1103082714PS Acquired: 4/1/2011 19:50:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360606-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19643**	**209.22**	**.31413**	**.98077**	**2.1663**	**.03385**	**43.010**
Stddev	.00041	.91	.00254	.00248	.0136	.00010	.168
%RSD	.20995	.43325	.80995	.25330	.62976	.28569	.39063
#1	.19665	209.96	.31200	.98253	2.1516	.03386	42.828
#2	.19595	209.49	.31345	.98185	2.1786	.03375	43.159
#3	.19667	208.21	.31695	.97793	2.1688	.03394	43.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03241**	**.23247**	**.52242**	**.44184**	**269.01**	**47.709**	**.61571**
Stddev	.00008	.00032	.00236	.00144	3.77	.114	.00201
%RSD	.26030	.13902	.45265	.32552	1.4027	.23944	.32708
#1	.03232	.23241	.52288	.44131	268.04	47.588	.61340
#2	.03244	.23219	.51985	.44075	273.17	47.815	.61670
#3	.03248	.23282	.52451	.44347	265.81	47.724	.61705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.763**	**8.4325**	**.50461**	**23.674**	**.36011**	F **154150.**	**.67164**
Stddev	.077	.0141	.00043	.027	.00073	203.	.00088
%RSD	.29948	.16762	.08458	.11384	.20357	.13141	.13137
#1	25.692	8.4235	.50415	23.644	.35935	153950.	.67248
#2	25.845	8.4487	.50499	23.696	.36016	154140.	.67072
#3	25.752	8.4251	.50469	23.683	.36081	154360.	.67171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082714PS Acquired: 4/1/2011 19:50:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360606-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1698.7**	F **164.52**	F **-61208.**	**.55165**	**.18597**	**12.828**	**.04497**
Stddev	113.9	.40	105.	.00265	.00252	.020	.00004
%RSD	6.7023	.24010	.17228	.48125	1.3545	.15363	.09894
#1	-1574.5	164.30	-61087.	.54925	.18686	12.808	.04498
#2	-1723.4	164.28	-61280.	.55120	.18792	12.827	.04492
#3	-1798.1	164.97	-61257.	.55450	.18312	12.848	.04500
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77738**	**1.3077**	**.23323**	**1.0193**	**2.0518**	F **184.08**
Stddev	.00184	.0056	.00153	.0028	.0023	.46
%RSD	.23636	.43112	.65677	.27836	.11046	.25156
#1	.77554	1.3034	.23296	1.0223	2.0520	184.62
#2	.77921	1.3141	.23185	1.0167	2.0494	183.78
#3	.77738	1.3057	.23487	1.0189	2.0539	183.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64158.**	**68686.**
Stddev	92.	384.
%RSD	.14400	.55852
#1	64052.	68331.
#2	64221.	68633.
#3	64202.	69093.

Approved: April 04, 2011

Sample Name: L1103082714SDL Acquired: 4/1/2011 19:54:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360606-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**54.636**	**.03099**	**.03490**	**.37537**	**.00234**	**8.5636**
Stddev	.00028	.476	.00097	.00039	.00223	.00001	.0452
%RSD	17.937	.87170	3.1355	1.1243	.59532	.51810	.52768
#1	.00186	55.089	.03017	.03517	.37282	.00234	8.5180
#2	.00150	54.140	.03074	.03445	.37701	.00233	8.5643
#3	.00131	54.678	.03206	.03508	.37628	.00236	8.6084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**.03288**	**.06589**	**.05095**	**61.778**	**5.7747**	**.03578**
Stddev	.00006	.00009	.00031	.00055	.413	.0157	.00014
%RSD	2.6857	.26867	.47153	1.0789	.66798	.27206	.37903
#1	.00208	.03290	.06554	.05036	61.310	5.7653	.03591
#2	.00216	.03296	.06604	.05145	61.939	5.7661	.03578
#3	.00219	.03278	.06611	.05103	62.086	5.7929	.03564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9471**	**1.8507**	**.00305**	**.17396**	**.03063**	F **37067.**	**.10837**
Stddev	.0160	.0059	.00017	.00709	.00038	139.	.00082
%RSD	.32314	.31713	5.5320	4.0780	1.2459	.37619	.75530
#1	4.9297	1.8454	.00310	.18131	.03107	36909.	.10883
#2	4.9612	1.8497	.00286	.16715	.03035	37171.	.10885
#3	4.9504	1.8570	.00319	.17343	.03047	37122.	.10742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082714SDL Acquired: 4/1/2011 19:54:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360606-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **280.07**	F **38.762**	F **-14649.**	**.00196**	**.00113**	**1.4566**	**.00609**
Stddev	95.23	.177	4.	.00102	.00221	.0035	.00001
%RSD	34.004	.45643	.03047	52.327	196.35	.23761	.11571
#1	373.93	38.560	-14654.	.00185	-.00081	1.4526	.00608
#2	183.52	38.831	-14649.	.00099	.00065	1.4582	.00608
#3	282.76	38.893	-14645.	.00303	.00354	1.4589	.00609
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07327**	**.18576**	**.00412**	**.11956**	**.36736**	**38.101**
Stddev	.00025	.00151	.00043	.00076	.00090	.159
%RSD	.34115	.81107	10.553	.63297	.24421	.41767
#1	.07314	.18404	.00449	.11963	.36635	38.000
#2	.07310	.18640	.00422	.11877	.36805	38.019
#3	.07355	.18684	.00364	.12028	.36769	38.285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68286.**	**69073.**
Stddev	359.	509.
%RSD	.52504	.73752
#1	68695.	69522.
#2	68135.	69178.
#3	68027.	68519.

Approved: April 04, 2011

Sample Name: L1103082714SDL Acquired: 4/1/2011 19:57:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360606-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**11.384**	**.00742**	**.00627**	**.07349**	**.00046**	**1.6710**
Stddev	.00038	.113	.00073	.00031	.00033	.00002	.0102
%RSD	175.91	.99521	9.7995	4.9912	.45315	4.9277	.61080
#1	-.00053	11.262	.00667	.00621	.07326	.00047	1.6629
#2	-.00032	11.406	.00748	.00599	.07334	.00047	1.6677
#3	.00020	11.485	.00812	.00661	.07387	.00043	1.6825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00699**	**.01315**	**.01109**	**12.087**	**1.1709**	**.00615**
Stddev	.00002	.00008	.00005	.00029	.078	.0037	.00060
%RSD	6.6937	1.1115	.34491	2.5871	.64869	.31270	9.8020
#1	.00032	.00691	.01320	.01109	12.024	1.1751	.00580
#2	.00032	.00700	.01311	.01138	12.061	1.1692	.00685
#3	.00029	.00706	.01314	.01081	12.174	1.1684	.00581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98332**	**.37256**	**.00062**	**.01925**	**.00613**	F **7795.4**	**.02067**
Stddev	.01221	.00252	.00005	.00665	.00022	76.4	.00042
%RSD	1.2420	.67749	8.7400	34.574	3.6392	.98010	2.0416
#1	.96922	.36986	.00062	.01492	.00635	7772.6	.02029
#2	.99065	.37296	.00068	.02691	.00590	7732.9	.02113
#3	.99010	.37486	.00057	.01591	.00613	7880.5	.02060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082714SDL Acquired: 4/1/2011 19:57:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360606-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1415.8**	**8.4003**	F **-3091.3**	**-.00047**	**.00014**	**.29914**	**-.00338**
Stddev	41.4	.1545	38.1	.00063	.00227	.00601	.00031
%RSD	2.9228	1.8386	1.2334	134.00	1566.3	2.0094	9.2711
#1	1463.2	8.2486	-3049.0	-.00119	-.00097	.29707	-.00349
#2	1386.9	8.3950	-3102.0	-.00010	.00276	.29444	-.00362
#3	1397.4	8.5573	-3122.9	-.00012	-.00135	.30591	-.00303
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01454**	**.03535**	**.00171**	**.02380**	**.07855**	**6.4247**
Stddev	.00008	.00099	.00071	.00030	.00102	.1924
%RSD	.56825	2.7999	41.711	1.2428	1.2992	2.9943
#1	.01447	.03627	.00248	.02352	.07775	6.4418
#2	.01452	.03430	.00107	.02378	.07821	6.2243
#3	.01464	.03549	.00157	.02411	.07970	6.6079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68008.**	**67354.**
Stddev	168.	448.
%RSD	.24681	.66471
#1	68195.	67783.
#2	67959.	67388.
#3	67870.	66890.

Approved: April 04, 2011

Sample Name: L1103082715 Acquired: 4/1/2011 20:01:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**207.65**	**.12090**	**.15023**	**1.8357**	**.01289**	**44.799**
Stddev	.00036	.36	.00147	.00229	.0026	.00009	.047
%RSD	9.2931	.17339	1.2187	1.5210	.14031	.67997	.10391
#1	.00399	208.01	.11934	.14849	1.8378	.01280	44.809
#2	.00351	207.29	.12226	.15282	1.8328	.01291	44.748
#3	.00422	207.66	.12111	.14939	1.8366	.01297	44.839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00591**	**.13491**	**.29801**	**.20924**	**297.51**	**27.807**	**.18581**
Stddev	.00006	.00046	.00172	.00115	4.64	.042	.00120
%RSD	.94435	.34203	.57778	.54957	1.5598	.15067	.64701
#1	.00595	.13458	.29659	.20885	293.86	27.823	.18480
#2	.00593	.13544	.29753	.20834	302.74	27.759	.18714
#3	.00585	.13472	.29993	.21054	295.95	27.838	.18549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.659**	**5.6835**	**.01016**	**.77616**	**.19982**	F **130890.**	**.29404**
Stddev	.047	.0087	.00011	.00629	.00057	92.	.00177
%RSD	.18202	.15334	1.1110	.81095	.28596	.06996	.60280
#1	25.610	5.6749	.01008	.77155	.19995	130790.	.29199
#2	25.662	5.6833	.01011	.78333	.19920	130920.	.29508
#3	25.703	5.6924	.01029	.77360	.20032	130970.	.29504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082715 Acquired: 4/1/2011 20:01:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2457.3**	F **196.14**	F **-75362.**	**.00734**	**.00512**	**7.7282**	**.01212**
Stddev	443.6	.11	86.	.00064	.00500	.0148	.00036
%RSD	18.053	.05674	.11453	8.6836	97.569	.19148	2.9346
#1	-1945.5	196.02	-75415.	.00700	.00195	7.7414	.01177
#2	-2732.7	196.17	-75410.	.00695	.01088	7.7122	.01210
#3	-2693.5	196.24	-75263.	.00808	.00253	7.7312	.01249
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35121**	**.43843**	**.01135**	**.49250**	**.97523**	F **172.69**
Stddev	.00038	.00126	.00040	.00187	.00268	.53
%RSD	.10908	.28761	3.5457	.37877	.27526	.30861
#1	.35128	.43803	.01102	.49042	.97219	172.19
#2	.35079	.43741	.01123	.49403	.97620	172.64
#3	.35155	.43984	.01180	.49305	.97729	173.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63368.**	**68768.**
Stddev	50.	431.
%RSD	.07862	.62618
#1	63423.	68499.
#2	63326.	68540.
#3	63354.	69265.

Approved: April 04, 2011

Sample Name: L1103082716 Acquired: 4/1/2011 20:04:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00703**	**207.19**	**.14626**	**.16923**	**1.4419**	**.01226**	**37.724**
Stddev	.00036	2.05	.00170	.00439	.0043	.00003	.122
%RSD	5.0696	.98913	1.1589	2.5947	.29738	.25540	.32458
#1	.00718	208.99	.14444	.16705	1.4467	.01228	37.860
#2	.00662	207.62	.14779	.16635	1.4406	.01222	37.621
#3	.00729	204.96	.14656	.17428	1.4385	.01227	37.692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00895**	**.11897**	**.33067**	**.20115**	**346.41**	**21.909**	**.16243**
Stddev	.00005	.00018	.00168	.00110	7.64	.067	.00074
%RSD	.60104	.14774	.50679	.54736	2.2055	.30789	.45717
#1	.00900	.11915	.33260	.20220	341.72	21.978	.16186
#2	.00890	.11897	.32987	.20125	342.28	21.906	.16327
#3	.00893	.11880	.32955	.20001	355.22	21.843	.16215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.876**	**6.1240**	**.01578**	**.79769**	**.13798**	F **117440.**	**.43417**
Stddev	.066	.0160	.00036	.00976	.00048	126.	.00249
%RSD	.30221	.26116	2.3007	1.2234	.34845	.10746	.57311
#1	21.921	6.1412	.01563	.79690	.13766	117480.	.43131
#2	21.800	6.1096	.01620	.78835	.13854	117550.	.43533
#3	21.907	6.1212	.01552	.80782	.13775	117300.	.43586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082716 Acquired: 4/1/2011 20:04:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1842.9**	F **128.84**	F **-45860.**	**.01065**	**.00891**	**7.8578**	**.01538**
Stddev	400.7	.27	90.	.00125	.00254	.0093	.00015
%RSD	21.741	.21205	.19579	11.705	28.516	.11823	.95477
#1	-1380.4	129.15	-45813.	.01209	.00991	7.8621	.01554
#2	-2064.7	128.66	-45804.	.01005	.00602	7.8642	.01525
#3	-2083.6	128.70	-45964.	.00982	.01080	7.8472	.01535
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33314**	**.73575**	**.01864**	**.67133**	**1.5159**	F **213.61**
Stddev	.00107	.00213	.00075	.00222	.0017	1.21
%RSD	.32268	.28894	4.0458	.33006	.11266	.56602
#1	.33420	.73762	.01894	.67372	1.5173	215.00
#2	.33205	.73343	.01919	.67093	1.5164	212.91
#3	.33315	.73620	.01778	.66934	1.5140	212.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64555.**	**69393.**
Stddev	208.	529.
%RSD	.32252	.76162
#1	64320.	68796.
#2	64629.	69801.
#3	64717.	69583.

Approved: April 04, 2011

Sample Name: L1103082717 Acquired: 4/1/2011 20:08:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00532**	**220.24**	**.10183**	**.16145**	**1.8066**	**.01202**	**47.815**
Stddev	.00039	1.09	.00216	.00281	.0047	.00004	.191
%RSD	7.4099	.49319	2.1206	1.7411	.26024	.36496	.39841
#1	.00556	219.71	.10154	.15879	1.8039	.01206	47.597
#2	.00486	221.49	.10412	.16439	1.8039	.01198	47.900
#3	.00553	219.52	.09983	.16116	1.8120	.01200	47.949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00531**	**.12337**	**.31159**	**.18636**	**262.52**	**34.225**	**.21376**
Stddev	.00005	.00032	.00153	.00099	3.93	.142	.00110
%RSD	.94864	.25663	.48978	.53152	1.4981	.41538	.51560
#1	.00534	.12348	.31299	.18748	259.02	34.061	.21372
#2	.00526	.12301	.30996	.18560	266.78	34.312	.21268
#3	.00535	.12361	.31181	.18600	261.76	34.302	.21488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.439**	**5.5023**	**.00894**	**.99795**	**.21519**	F **101480.**	**.30226**
Stddev	.136	.0130	.00027	.00778	.00094	63.	.00161
%RSD	.46253	.23618	3.0562	.77941	.43531	.06217	.53342
#1	29.283	5.4873	.00865	.99656	.21490	101530.	.30371
#2	29.501	5.5108	.00919	1.0063	.21443	101410.	.30052
#3	29.534	5.5087	.00898	.99095	.21623	101490.	.30255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082717 Acquired: 4/1/2011 20:08:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2400.7**	F **200.96**	F **-77346.**	**.00751**	**.00529**	**6.6096**	**.01432**
Stddev	372.7	.46	46.	.00041	.00098	.0095	.00017
%RSD	15.525	.22775	.05989	5.4492	18.447	.14391	1.2010
#1	-2463.9	201.12	-77387.	.00797	.00428	6.6006	.01450
#2	-2000.5	200.44	-77296.	.00739	.00622	6.6195	.01431
#3	-2737.8	201.31	-77356.	.00717	.00536	6.6086	.01416
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41408**	**.62233**	**.01063**	**.49753**	**.93107**	F **190.87**
Stddev	.00168	.00181	.00059	.00307	.00236	1.10
%RSD	.40555	.29163	5.5145	.61656	.25319	.57507
#1	.41226	.62174	.01006	.50083	.93344	192.05
#2	.41556	.62089	.01123	.49476	.92873	189.88
#3	.41441	.62437	.01059	.49701	.93105	190.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64525.**	**69894.**
Stddev	179.	120.
%RSD	.27807	.17212
#1	64358.	69998.
#2	64714.	69762.
#3	64502.	69922.

Approved: April 04, 2011

Sample Name: L1103082718 Acquired: 4/1/2011 20:12:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00637**	**201.77**	**.11717**	**.14938**	**1.1682**	**.01104**	**34.264**
Stddev	.00035	2.44	.00123	.00338	.0018	.00003	.108
%RSD	5.4873	1.2086	1.0494	2.2641	.15791	.30634	.31381
#1	.00675	202.30	.11621	.14864	1.1695	.01100	34.252
#2	.00605	199.11	.11856	.15307	1.1691	.01107	34.378
#3	.00632	203.90	.11674	.14643	1.1661	.01105	34.164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00779**	**.11566**	**.31226**	**.16336**	**282.18**	**18.003**	**.15793**
Stddev	.00005	.00038	.00084	.00097	3.72	.069	.00086
%RSD	.59587	.33207	.27010	.59457	1.3167	.38545	.54194
#1	.00784	.11601	.31148	.16446	284.05	17.980	.15700
#2	.00778	.11573	.31214	.16262	284.58	18.081	.15869
#3	.00775	.11525	.31315	.16301	277.90	17.948	.15809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.460**	**5.9309**	**.01303**	**1.2594**	**.12847**	F **65703.**	**.51632**
Stddev	.096	.0144	.00000	.0027	.00060	131.	.00161
%RSD	.46861	.24320	.00731	.21524	.46986	.19925	.31190
#1	20.381	5.9223	.01303	1.2624	.12917	65849.	.51812
#2	20.567	5.9476	.01303	1.2571	.12812	65596.	.51502
#3	20.433	5.9229	.01303	1.2588	.12813	65663.	.51582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082718 Acquired: 4/1/2011 20:12:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2155.6**	F **129.54**	F **-47372.**	**.01016**	**.00876**	**6.6697**	**.03901**
Stddev	257.0	.42	102.	.00148	.00118	.0148	.00009
%RSD	11.923	.32339	.21620	14.550	13.508	.22185	.23078
#1	-2414.4	130.03	-47339.	.01027	.00796	6.6850	.03901
#2	-2151.8	129.33	-47486.	.00862	.00821	6.6686	.03893
#3	-1900.4	129.27	-47290.	.01157	.01012	6.6554	.03911
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29720**	**.75926**	**.01415**	**.57018**	**1.1678**	F **196.81**
Stddev	.00041	.00253	.00109	.00237	.0016	.25
%RSD	.13717	.33358	7.6815	.41593	.13823	.12689
#1	.29717	.75731	.01524	.57287	1.1694	196.54
#2	.29762	.76213	.01306	.56839	1.1661	197.03
#3	.29680	.75836	.01415	.56927	1.1680	196.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64520.**	**70122.**
Stddev	128.	886.
%RSD	.19862	1.2636
#1	64373.	70351.
#2	64609.	69143.
#3	64579.	70870.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 20:15:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42456**	**10.260**	**.41317**	**.50823**	**.98392**	**.05112**	**9.7512**
Stddev	.00067	.025	.00175	.00118	.00282	.00014	.0222
%RSD	.15710	.24086	.42437	.23289	.28661	.27911	.22763
#1	.42387	10.244	.41137	.50831	.98373	.05103	9.7332
#2	.42461	10.289	.41487	.50937	.98120	.05129	9.7443
#3	.42521	10.247	.41326	.50701	.98683	.05106	9.7760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05236**	**.21082**	**.50966**	**.52695**	**4.0287**	**49.785**	**.99559**
Stddev	.00016	.00068	.00172	.00207	.0235	.116	.00379
%RSD	.30397	.32019	.33820	.39363	.58287	.23367	.38067
#1	.05224	.21007	.50829	.52496	4.0342	49.695	.99478
#2	.05254	.21139	.51160	.52910	4.0030	49.742	.99228
#3	.05230	.21100	.50910	.52679	4.0489	49.916	.99973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.294**	**.50931**	**1.0589**	**49.740**	**.52192**	F **62.016**	**.52328**
Stddev	.048	.00108	.0013	.077	.00033	12.894	.00283
%RSD	.47051	.21175	.11882	.15552	.06235	20.792	.54164
#1	10.252	.50832	1.0578	49.655	.52163	53.217	.52495
#2	10.284	.50916	1.0603	49.806	.52186	56.013	.52489
#3	10.347	.51046	1.0587	49.758	.52227	76.817	.52001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 20:15:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1371.6**	**10.625**	F **25.698**	**1.2920**	**.41670**	F **2.2667**	**1.0944**
Stddev	405.8	.079	6.614	.0043	.00208	.0085	.0022
%RSD	29.582	.74320	25.738	.33483	.49953	.37303	.20576
#1	978.07	10.650	24.851	1.2903	.41603	2.2609	1.0918
#2	1348.3	10.689	19.548	1.2969	.41904	2.2764	1.0960
#3	1788.6	10.537	32.695	1.2887	.41504	2.2629	1.0953
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97923**	**1.0501**	**.53190**	**1.0393**	**1.0365**	F **1.4421**
Stddev	.00129	.0010	.00123	.0027	.0015	.0118
%RSD	.13176	.09618	.23218	.25713	.14845	.81971
#1	.97792	1.0494	.53074	1.0376	1.0348	1.4522
#2	.98050	1.0496	.53320	1.0424	1.0368	1.4291
#3	.97927	1.0513	.53177	1.0378	1.0378	1.4450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64759.**	**65959.**
Stddev	173.	498.
%RSD	.26656	.75539
#1	64958.	66385.
#2	64666.	66080.
#3	64652.	65411.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 20:19:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.01469**	**-.00109**	**.00134**	**.00006**	**.00001**	**-.01201**
Stddev	.00034	.00254	.00043	.00066	.00002	.00002	.00427
%RSD	69.954	17.264	39.138	49.461	38.343	115.65	35.530
#1	-.00012	.01661	-.00158	.00207	.00007	.00001	-.01362
#2	-.00079	.01565	-.00086	.00118	.00004	.00003	-.00717
#3	-.00053	.01182	-.00083	.00077	.00008	.00000	-.01524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00008**	**.00036**	**.00071**	**.01031**	**.10974**	**-.00184**
Stddev	.00011	.00016	.00019	.00042	.00056	.00827	.00123
%RSD	413.25	209.87	52.909	58.612	5.4113	7.5380	66.993
#1	.00006	.00026	.00043	.00058	.01031	.10478	-.00273
#2	-.00015	-.00003	.00014	.00118	.00975	.11929	-.00236
#3	.00000	.00000	.00050	.00038	.01086	.10514	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00868**	**.00019**	**.00019**	**-.00066**	**-.00028**	F **33.711**	**-.00094**
Stddev	.00774	.00020	.00005	.00872	.00037	16.598	.00094
%RSD	89.219	104.82	25.121	1329.8	133.38	49.237	99.367
#1	-.01509	.00001	.00017	.00652	-.00018	51.559	.00010
#2	-.01086	.00041	.00016	-.01036	.00004	18.738	-.00120
#3	-.00008	.00016	.00025	.00187	-.00068	30.837	-.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 20:19:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1323.0**	F **.04859**	F **-30.751**	**.00086**	**-.00027**	**.00765**	**.00033**
Stddev	412.7	.03408	23.203	.00066	.00035	.00173	.00013
%RSD	31.197	70.148	75.454	77.029	131.35	22.580	38.702
#1	1085.4	.08364	-18.907	.00037	-.00056	.00954	.00023
#2	1084.1	.01556	-15.861	.00060	-.00036	.00726	.00029
#3	1799.6	.04656	-57.485	.00162	.00012	.00615	.00048
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00086**	**-.00085**	**.00012**	**.00004**	**-.08040**
Stddev	.00003	.00017	.00079	.00007	.00002	.08540
%RSD	57.602	19.740	93.946	60.188	48.599	106.22
#1	.00008	-.00080	-.00168	.00014	.00005	-.14813
#2	.00005	-.00105	-.00077	.00004	.00002	.01554
#3	.00002	-.00073	-.00009	.00018	.00005	-.10862
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66245.**	**66158.**
Stddev	153.	439.
%RSD	.23106	.66338
#1	66169.	66659.
#2	66145.	65840.
#3	66421.	65975.

Approved: April 04, 2011

Sample Name: L1103082719 Acquired: 4/1/2011 20:22:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00639**	**171.56**	**.11924**	**.14449**	**1.5187**	**.00988**	**165.92**
Stddev	.00006	.67	.00136	.00171	.0058	.00004	.64
%RSD	.87923	.39334	1.1405	1.1854	.37918	.41804	.38548
#1	.00634	171.01	.11846	.14492	1.5129	.00992	165.30
#2	.00645	172.32	.12081	.14261	1.5244	.00989	166.58
#3	.00640	171.37	.11845	.14595	1.5189	.00984	165.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.13465**	**.27383**	**.20508**	**268.88**	**25.806**	**.13024**
Stddev	.00002	.00017	.00141	.00089	2.12	.086	.00091
%RSD	.26086	.12834	.51591	.43325	.78744	.33187	.69602
#1	.00947	.13484	.27347	.20499	268.55	25.715	.12919
#2	.00952	.13450	.27264	.20602	266.95	25.885	.13079
#3	.00947	.13461	.27539	.20425	271.14	25.818	.13074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.212**	**7.2896**	**.01401**	**.65425**	**.11958**	F **200750.**	**.59448**
Stddev	.082	.0192	.00008	.00264	.00051	430.	.00124
%RSD	.40383	.26293	.60347	.40318	.42928	.21433	.20885
#1	20.122	7.2714	.01397	.65667	.11924	201080.	.59418
#2	20.279	7.3096	.01411	.65464	.12017	200920.	.59585
#3	20.236	7.2876	.01395	.65144	.11934	200260.	.59342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082719 Acquired: 4/1/2011 20:22:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2237.8**	F **363.78**	F **-99538.**	**.00827**	**.01263**	**7.2768**	**.02352**
Stddev	120.8	.40	93.	.00171	.00267	.0184	.00025
%RSD	5.3997	.10990	.09331	20.639	21.175	.25228	1.0784
#1	-2102.0	363.57	-99618.	.00695	.01316	7.2956	.02345
#2	-2333.2	364.24	-99436.	.00766	.01500	7.2758	.02331
#3	-2278.3	363.53	-99559.	.01019	.00973	7.2590	.02380
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80535**	**.66200**	**.01308**	**.50394**	**1.6364**	F **130.83**
Stddev	.00179	.00084	.00034	.00180	.0027	.13
%RSD	.22237	.12620	2.5737	.35763	.16780	.09751
#1	.80410	.66130	.01297	.50500	1.6364	130.70
#2	.80740	.66293	.01281	.50496	1.6391	130.83
#3	.80454	.66178	.01346	.50186	1.6336	130.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62665.**	**68870.**
Stddev	177.	95.
%RSD	.28290	.13800
#1	62548.	68806.
#2	62579.	68823.
#3	62869.	68979.

Approved: April 04, 2011

Sample Name: L1103082720 Acquired: 4/1/2011 20:26:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00702**	**230.01**	**.16513**	**.18709**	**1.7056**	**.01465**	**42.414**
Stddev	.00017	1.51	.00225	.00173	.0051	.00006	.246
%RSD	2.4412	.65528	1.3613	.92232	.29789	.42457	.57902
#1	.00722	228.31	.16423	.18828	1.7084	.01464	42.651
#2	.00692	231.19	.16346	.18788	1.7086	.01460	42.431
#3	.00693	230.54	.16768	.18511	1.6997	.01472	42.161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01344**	**.19823**	**.34842**	**.23637**	**374.51**	**29.747**	**.15800**
Stddev	.00015	.00096	.00181	.00279	2.20	.063	.00052
%RSD	1.1197	.48364	.51916	1.1807	.58798	.21212	.33172
#1	.01352	.19764	.34925	.23532	375.09	29.811	.15817
#2	.01352	.19771	.34634	.23425	376.37	29.747	.15741
#3	.01326	.19933	.34965	.23953	372.08	29.684	.15841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.965**	**9.2825**	**.01932**	**.97477**	**.16052**	F **168600.**	**.63987**
Stddev	.028	.0195	.00022	.00687	.00106	476.	.00182
%RSD	.11143	.20974	1.1352	.70523	.66315	.28217	.28468
#1	24.967	9.2952	.01907	.98263	.16094	168360.	.63932
#2	24.936	9.2922	.01940	.97177	.15931	168290.	.63838
#3	24.992	9.2600	.01949	.96990	.16130	169150.	.64190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082720 Acquired: 4/1/2011 20:26:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1917.3**	F **202.07**	F **-79780.**	**.01101**	**.01374**	**6.1337**	**.02803**
Stddev	342.2	1.36	164.	.00069	.00183	.0071	.00035
%RSD	17.848	.67540	.20575	6.2950	13.350	.11628	1.2446
#1	-1989.9	201.40	-79712.	.01048	.01530	6.1278	.02772
#2	-2217.4	201.16	-79661.	.01076	.01172	6.1318	.02841
#3	-1544.7	203.64	-79967.	.01180	.01420	6.1416	.02796
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36208**	**.52130**	**.01978**	**.68903**	**1.8719**	F **223.97**
Stddev	.00201	.00081	.00111	.00213	.0027	1.55
%RSD	.55473	.15495	5.5902	.30911	.14514	.69405
#1	.36411	.52195	.01879	.68892	1.8696	225.01
#2	.36202	.52156	.01959	.68696	1.8711	222.19
#3	.36010	.52040	.02098	.69122	1.8749	224.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64514.**	**69595.**
Stddev	164.	191.
%RSD	.25395	.27440
#1	64514.	69416.
#2	64678.	69796.
#3	64351.	69572.

Approved: April 04, 2011

Sample Name: L1103082721 Acquired: 4/1/2011 20:30:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00659**	**222.73**	**.11365**	**.15525**	**1.7741**	**.01194**
Stddev	.00065	1.49	.00196	.00439	.0057	.00003
%RSD	9.8116	.66737	1.7259	2.8295	.32109	.24894
#1	.00690	221.02	.11572	.15719	1.7675	.01191
#2	.00585	223.56	.11182	.15834	1.7769	.01195
#3	.00702	223.63	.11343	.15022	1.7778	.01197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.099**	**.00953**	**.15150**	**.30259**	**.20075**	**279.11**
Stddev	.230	.00003	.00051	.00120	.00075	8.05
%RSD	.45007	.33066	.33984	.39647	.37395	2.8834
#1	50.845	.00955	.15209	.30225	.20148	282.97
#2	51.158	.00949	.15115	.30160	.19998	284.51
#3	51.293	.00955	.15125	.30392	.20080	269.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.205**	**.15936**	**24.697**	**6.8924**	**.01541**	**.79041**
Stddev	.123	.00127	.119	.0197	.00011	.00320
%RSD	.39474	.79680	.48326	.28564	.73022	.40485
#1	31.064	.16032	24.566	6.8723	.01546	.79086
#2	31.256	.15792	24.725	6.8934	.01548	.79336
#3	31.294	.15983	24.800	6.9116	.01528	.78701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082721 Acquired: 4/1/2011 20:30:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.14214	F 195210.	.52292	F -2235.5	F 286.77	F -120630.
Stddev	.00062	264.	.00004	219.3	1.54	112.
%RSD	.43685	.13506	.00693	9.8082	.53708	.09302
#1	.14279	195480.	.52288	-2265.7	288.55	-120680.
#2	.14206	195200.	.52294	-2002.7	285.84	-120500.
#3	.14156	194950.	.52295	-2438.1	285.93	-120710.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00854	.01061	6.9653	.01846	.37109	.71477
Stddev	.00157	.00224	.0134	.00031	.00126	.00157
%RSD	18.353	21.102	.19284	1.6621	.33994	.22002
#1	.00843	.01019	6.9807	.01881	.36990	.71361
#2	.01015	.00862	6.9591	.01822	.37095	.71413
#3	.00703	.01303	6.9561	.01836	.37241	.71656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.01330	.54949	1.5071	F 169.82
Stddev	.00095	.00119	.0021	.47
%RSD	7.1377	.21576	.14100	.27733
#1	.01431	.54866	1.5070	169.58
#2	.01242	.55085	1.5093	169.52
#3	.01318	.54896	1.5050	170.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082721 Acquired: 4/1/2011 20:30:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65005.**	**70046.**
Stddev	108.	482.
%RSD	.16608	.68877
#1	64912.	70479.
#2	64980.	69526.
#3	65124.	70134.

Approved: April 04, 2011

Sample Name: L1103082722 Acquired: 4/1/2011 20:33:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00571**	**339.73**	**.14663**	**.18958**	**1.6283**	**.02315**	**56.418**
Stddev	.00046	4.91	.00065	.00180	.0049	.00006	.222
%RSD	8.0279	1.4441	.44394	.94827	.30174	.27169	.39347
#1	.00526	344.24	.14591	.19119	1.6293	.02321	56.199
#2	.00618	334.50	.14717	.18764	1.6230	.02315	56.413
#3	.00569	340.46	.14681	.18991	1.6326	.02308	56.643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00617**	**.20347**	**.39531**	**.24305**	**423.91**	**32.680**	**.16990**
Stddev	.00002	.00020	.00109	.00143	.73	.121	.00026
%RSD	.33456	.09694	.27551	.58985	.17182	.37115	.15302
#1	.00617	.20369	.39512	.24376	424.75	32.605	.16999
#2	.00619	.20342	.39433	.24399	423.47	32.614	.16961
#3	.00615	.20330	.39648	.24140	423.50	32.820	.17010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.030**	**4.3216**	**.02064**	**1.4380**	**.18357**	F **81243.**	**.40791**
Stddev	.229	.0071	.00026	.0068	.00042	169.	.00089
%RSD	.58703	.16485	1.2610	.47425	.22948	.20848	.21873
#1	38.849	4.3161	.02071	1.4333	.18315	81421.	.40689
#2	38.953	4.3190	.02085	1.4348	.18399	81226.	.40857
#3	39.288	4.3296	.02035	1.4458	.18356	81084.	.40827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082722 Acquired: 4/1/2011 20:33:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3260.2**	F **152.97**	F **-50018.**	**.01058**	**.00808**	**6.8589**	**.02022**
Stddev	501.5	.43	64.	.00024	.00167	.0156	.00008
%RSD	15.383	.27918	.12797	2.3123	20.645	.22801	.39127
#1	-3106.2	153.24	-50092.	.01085	.00976	6.8701	.02031
#2	-2853.8	153.18	-49992.	.01050	.00642	6.8656	.02019
#3	-3820.7	152.47	-49972.	.01039	.00805	6.8411	.02016
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45046**	**.39107**	**.01807**	**.72897**	**.96116**	F **365.20**
Stddev	.00162	.00075	.00085	.00188	.00069	1.00
%RSD	.35898	.19070	4.6821	.25778	.07145	.27477
#1	.44881	.39088	.01760	.73085	.96065	365.95
#2	.45053	.39044	.01905	.72895	.96194	364.06
#3	.45204	.39189	.01757	.72709	.96088	365.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64907.**	**71219.**
Stddev	151.	336.
%RSD	.23220	.47242
#1	64758.	71410.
#2	64902.	71416.
#3	65060.	70830.

Approved: April 04, 2011

Sample Name: L1103082723 Acquired: 4/1/2011 20:37:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00482**	**240.59**	**.12656**	**.17185**	**2.0101**	**.01474**	**53.920**
Stddev	.00008	1.85	.00071	.00175	.0005	.00006	.164
%RSD	1.7386	.76817	.56161	1.0161	.02514	.37691	.30403
#1	.00492	239.79	.12648	.17371	2.0102	.01480	53.735
#2	.00479	242.70	.12731	.17025	2.0096	.01471	53.980
#3	.00476	239.28	.12590	.17160	2.0106	.01471	54.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	**.14846**	**.34018**	**.22024**	**312.01**	**33.087**	**.18373**
Stddev	.00006	.00047	.00188	.00123	1.92	.084	.00100
%RSD	.76977	.31634	.55179	.55754	.61689	.25494	.54325
#1	.00802	.14861	.34202	.22050	312.65	32.995	.18413
#2	.00809	.14883	.34025	.22132	309.84	33.104	.18447
#3	.00814	.14793	.33826	.21890	313.53	33.162	.18260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.816**	**4.9302**	**.01246**	**1.1912**	**.18792**	F **131950.**	**.44771**
Stddev	.174	.0152	.00016	.0121	.00009	166.	.00031
%RSD	.58247	.30749	1.3177	1.0153	.05001	.12580	.06876
#1	29.615	4.9129	.01229	1.1773	.18781	131800.	.44739
#2	29.913	4.9415	.01247	1.1971	.18799	132130.	.44801
#3	29.919	4.9360	.01262	1.1992	.18796	131920.	.44775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082723 Acquired: 4/1/2011 20:37:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2642.1**	F **244.44**	F **-96397.**	**.00759**	**.00755**	**6.3487**	**.01728**
Stddev	546.9	.65	171.	.00016	.00231	.0049	.00006
%RSD	20.700	.26729	.17783	2.0925	30.531	.07652	.36677
#1	-3266.1	244.47	-96415.	.00746	.00996	6.3471	.01724
#2	-2413.8	245.09	-96558.	.00754	.00734	6.3542	.01735
#3	-2246.2	243.78	-96217.	.00777	.00536	6.3449	.01724
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43773**	**.47033**	**.01330**	**.56484**	**1.3537**	F **211.74**
Stddev	.00127	.00065	.00046	.00017	.0015	1.49
%RSD	.29004	.13771	3.4258	.03036	.11346	.70606
#1	.43641	.47010	.01341	.56487	1.3534	213.42
#2	.43782	.47107	.01369	.56465	1.3554	211.24
#3	.43895	.46984	.01280	.56499	1.3524	210.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64469.**	**70227.**
Stddev	122.	387.
%RSD	.18916	.55114
#1	64406.	70673.
#2	64392.	69990.
#3	64610.	70017.

Approved: April 04, 2011

Sample Name: L1103082724 Acquired: 4/1/2011 20:41:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00679**	**259.96**	**.16667**	**.19492**	**1.5876**	**.01653**	**41.467**
Stddev	.00040	.58	.00014	.00129	.0075	.00009	.192
%RSD	5.8495	.22299	.08306	.65943	.47175	.55899	.46268
#1	.00652	260.51	.16681	.19426	1.5841	.01654	41.497
#2	.00724	259.35	.16666	.19641	1.5825	.01662	41.262
#3	.00660	260.02	.16653	.19411	1.5962	.01644	41.643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00998**	**.18725**	**.38436**	**.21611**	**395.05**	**26.799**	**.17597**
Stddev	.00004	.00003	.00293	.00069	1.31	.087	.00041
%RSD	.43353	.01741	.76241	.31884	.33058	.32499	.23231
#1	.00995	.18729	.38445	.21685	394.46	26.795	.17642
#2	.00996	.18723	.38724	.21600	396.54	26.713	.17562
#3	.01003	.18724	.38138	.21549	394.14	26.887	.17586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.219**	**7.2342**	**.02033**	**1.4761**	**.16171**	F **121710.**	**.58564**
Stddev	.109	.0051	.00020	.0078	.00058	288.	.00145
%RSD	.40102	.07019	.96372	.52797	.35774	.23687	.24739
#1	27.177	7.2336	.02047	1.4779	.16237	121900.	.58683
#2	27.137	7.2295	.02041	1.4676	.16141	121380.	.58403
#3	27.343	7.2396	.02010	1.4828	.16133	121850.	.58606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082724 Acquired: 4/1/2011 20:41:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2669.6**	F **149.69**	F **-54369.**	**.01225**	**.01061**	**6.7145**	**.01909**
Stddev	669.4	.24	116.	.00100	.00223	.0107	.00015
%RSD	25.075	.16204	.21329	8.1896	20.985	.15930	.78860
#1	-3213.2	149.96	-54431.	.01330	.01259	6.7264	.01892
#2	-2873.6	149.48	-54235.	.01215	.01104	6.7113	.01917
#3	-1921.9	149.62	-54440.	.01130	.00820	6.7057	.01919
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35845**	**.59190**	**.02009**	**.73981**	**1.5022**	F **247.02**
Stddev	.00147	.00101	.00036	.00086	.0041	.68
%RSD	.40990	.17048	1.8041	.11606	.27415	.27710
#1	.35929	.59153	.01988	.74078	1.5004	247.21
#2	.35676	.59114	.02051	.73915	1.4993	247.58
#3	.35931	.59305	.01988	.73949	1.5069	246.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64603.**	**70217.**
Stddev	114.	381.
%RSD	.17639	.54233
#1	64478.	69779.
#2	64629.	70413.
#3	64702.	70460.

Approved: April 04, 2011

Sample Name: L1103082725 Acquired: 4/1/2011 20:44:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00554**	**174.02**	**.16385**	**.15226**	**1.6800**	**.01293**	**41.812**
Stddev	.00028	1.38	.00101	.00497	.0029	.00006	.124
%RSD	4.9971	.79308	.61377	3.2663	.17159	.43337	.29736
#1	.00565	175.57	.16418	.15019	1.6768	.01290	41.835
#2	.00574	172.94	.16465	.14866	1.6808	.01300	41.678
#3	.00522	173.53	.16272	.15794	1.6823	.01290	41.924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01345**	**.18299**	**.31989**	**.24528**	**340.14**	**24.767**	**.10769**
Stddev	.00012	.00045	.00278	.00258	7.92	.065	.00154
%RSD	.90981	.24708	.86923	1.0507	2.3273	.26231	1.4260
#1	.01341	.18269	.31760	.24609	336.29	24.699	.10910
#2	.01335	.18351	.32298	.24735	334.88	24.774	.10605
#3	.01359	.18278	.31908	.24239	349.24	24.829	.10792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.468**	**8.7384**	**.01791**	**.59354**	**.13240**	F **228860.**	**.69615**
Stddev	.044	.0130	.00032	.00181	.00034	559.	.00103
%RSD	.22707	.14821	1.7722	.30498	.25882	.24446	.14754
#1	19.492	8.7419	.01827	.59155	.13279	228790.	.69532
#2	19.417	8.7241	.01781	.59399	.13216	229440.	.69584
#3	19.495	8.7493	.01765	.59509	.13224	228330.	.69730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082725 Acquired: 4/1/2011 20:44:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1781.8**	F **219.12**	F **-88054.**	**.01261**	**.01473**	**6.2379**	**.03063**
Stddev	232.0	.99	164.	.00095	.00209	.0181	.00016
%RSD	13.020	.45203	.18607	7.5294	14.173	.28942	.52323
#1	-2047.3	219.24	-88188.	.01325	.01249	6.2474	.03052
#2	-1679.5	220.04	-88104.	.01305	.01509	6.2493	.03082
#3	-1618.5	218.07	-87872.	.01152	.01662	6.2171	.03056
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32000**	**.45056**	**.01686**	**.58800**	**2.0728**	F **135.77**
Stddev	.00071	.00063	.00027	.00166	.0046	.31
%RSD	.22246	.13944	1.6108	.28194	.22065	.22795
#1	.32038	.45088	.01674	.58666	2.0676	135.70
#2	.31918	.45097	.01717	.58985	2.0761	136.11
#3	.32045	.44984	.01666	.58747	2.0746	135.51
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64226.**	**69510.**
Stddev	112.	420.
%RSD	.17362	.60421
#1	64303.	69197.
#2	64098.	69987.
#3	64278.	69345.

Approved: April 04, 2011

Sample Name: L1103082726 Acquired: 4/1/2011 20:48:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**205.49**	**.16736**	**.16706**	**1.4248**	**.01378**	**35.768**
Stddev	.00042	1.06	.00097	.00176	.0037	.00004	.035
%RSD	6.5900	.51719	.57905	1.0531	.25607	.30233	.09686
#1	.00593	206.59	.16793	.16510	1.4268	.01382	35.760
#2	.00660	205.41	.16624	.16761	1.4270	.01376	35.807
#3	.00671	204.46	.16791	.16848	1.4206	.01375	35.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.17180**	**.34311**	**.19075**	**371.54**	**21.191**	**.13432**
Stddev	.00003	.00073	.00152	.00205	1.23	.036	.00042
%RSD	.37767	.42664	.44229	1.0757	.33202	.16800	.31095
#1	.00900	.17261	.34402	.19311	370.18	21.205	.13462
#2	.00903	.17163	.34136	.18979	372.60	21.218	.13384
#3	.00907	.17117	.34395	.18935	371.84	21.151	.13449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.183**	**7.7235**	**.02005**	**.75896**	**.13006**	F **122630.**	**.53018**
Stddev	.012	.0116	.00043	.00166	.00066	103.	.00094
%RSD	.05200	.14976	2.1217	.21816	.50423	.08430	.17727
#1	22.171	7.7103	.02021	.75981	.12931	122750.	.53126
#2	22.184	7.7318	.01957	.76002	.13035	122580.	.52954
#3	22.194	7.7284	.02037	.75705	.13052	122560.	.52973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082726 Acquired: 4/1/2011 20:48:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1613.3**	F **145.91**	F **-55605.**	**.01195**	**.01438**	**6.5297**	**.01594**
Stddev	243.3	.86	35.	.00160	.00219	.0101	.00026
%RSD	15.081	.58736	.06291	13.427	15.212	.15412	1.6234
#1	-1349.5	146.86	-55568.	.01064	.01400	6.5408	.01583
#2	-1661.5	145.19	-55610.	.01374	.01674	6.5213	.01574
#3	-1828.9	145.68	-55637.	.01146	.01242	6.5269	.01623
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30286**	**.53341**	**.01875**	**.69844**	**1.2642**	F **193.26**
Stddev	.00056	.00107	.00166	.00417	.0015	.95
%RSD	.18568	.20119	8.8797	.59666	.11855	.48964
#1	.30226	.53453	.02065	.70324	1.2648	193.90
#2	.30337	.53329	.01757	.69625	1.2653	192.17
#3	.30294	.53239	.01802	.69582	1.2625	193.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64500.**	**69091.**
Stddev	271.	324.
%RSD	.41992	.46845
#1	64202.	68799.
#2	64566.	69035.
#3	64731.	69439.

Approved: April 04, 2011

Sample Name: L1103082727 Acquired: 4/1/2011 20:51:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00752**	**301.99**	**.18922**	**.20210**	**1.2456**	**.01911**	**38.682**
Stddev	.00059	1.64	.00162	.00543	.0028	.00003	.106
%RSD	7.7870	.54303	.85710	2.6891	.22471	.13472	.27456
#1	.00775	302.13	.18914	.20334	1.2460	.01912	38.706
#2	.00796	300.29	.18763	.20681	1.2481	.01913	38.774
#3	.00686	303.56	.19088	.19615	1.2426	.01908	38.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00608**	**.21465**	**.41576**	**.18444**	**470.93**	**22.362**	**.17188**
Stddev	.00014	.00043	.00011	.00127	8.25	.086	.00029
%RSD	2.2782	.19944	.02744	.68914	1.7517	.38647	.16607
#1	.00606	.21465	.41587	.18511	472.22	22.373	.17162
#2	.00623	.21421	.41564	.18298	478.45	22.443	.17219
#3	.00595	.21507	.41577	.18524	462.11	22.271	.17185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.075**	**8.0184**	**.02473**	**1.3812**	**.15451**	F **55256.**	**.42732**
Stddev	.117	.0132	.00002	.0020	.00089	40.	.00146
%RSD	.36464	.16491	.09212	.14264	.57665	.07243	.34163
#1	32.087	8.0260	.02473	1.3800	.15349	55284.	.42883
#2	32.186	8.0262	.02476	1.3835	.15515	55210.	.42721
#3	31.953	8.0032	.02471	1.3801	.15488	55274.	.42592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082727 Acquired: 4/1/2011 20:51:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2182.6**	F **125.26**	F **-43578.**	**.01052**	**.01645**	**9.0470**	**.01358**
Stddev	794.2	.16	11.	.00204	.00004	.0073	.00019
%RSD	36.387	.12909	.02600	19.374	.21757	.08018	1.3904
#1	-2093.2	125.24	-43574.	.01287	.01642	9.0549	.01342
#2	-1437.0	125.11	-43590.	.00918	.01649	9.0407	.01353
#3	-3017.8	125.43	-43568.	.00953	.01644	9.0454	.01379
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33771**	**.48312**	**.02497**	**.86282**	**.70422**	F **309.43**
Stddev	.00088	.00025	.00244	.00166	.00173	1.35
%RSD	.26128	.05124	9.7855	.19282	.24526	.43738
#1	.33822	.48327	.02318	.86387	.70226	310.27
#2	.33821	.48326	.02398	.86369	.70552	310.14
#3	.33669	.48284	.02776	.86090	.70488	307.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64114.**	**69316.**
Stddev	66.	696.
%RSD	.10282	1.0045
#1	64144.	68918.
#2	64038.	68910.
#3	64159.	70120.

Approved: April 04, 2011

Sample Name: L1103082728S Acquired: 4/1/2011 20:55:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19305**	**313.76**	**.35826**	**.21383**	**1.2656**	**.01799**	**35.399**
Stddev	.00056	1.00	.00127	.00213	.0004	.00007	.051
%RSD	.29085	.31911	.35467	.99767	.02747	.38347	.14460
#1	.19241	313.30	.35682	.21166	1.2658	.01803	35.393
#2	.19348	313.07	.35923	.21592	1.2657	.01803	35.453
#3	.19324	314.91	.35873	.21392	1.2652	.01791	35.352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02914**	**.18161**	**.44418**	**.40495**	**454.99**	**24.554**	**.20248**
Stddev	.00001	.00066	.00185	.00213	3.64	.053	.00095
%RSD	.04810	.36084	.41697	.52489	.79974	.21718	.46870
#1	.02914	.18123	.44506	.40518	450.79	24.530	.20260
#2	.02916	.18237	.44543	.40695	457.27	24.615	.20337
#3	.02913	.18124	.44205	.40271	456.90	24.516	.20148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.703**	**7.4605**	**.02525**	**1.4508**	**.16436**	F **56748.**	**.65800**
Stddev	.131	.0140	.00038	.0072	.00047	58.	.00271
%RSD	.40079	.18798	1.5248	.49266	.28724	.10172	.41228
#1	32.552	7.4540	.02568	1.4515	.16427	56792.	.65721
#2	32.778	7.4766	.02511	1.4576	.16394	56769.	.66102
#3	32.780	7.4509	.02495	1.4433	.16487	56683.	.65577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082728S Acquired: 4/1/2011 20:55:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2292.2**	F **119.04**	F **-42467.**	**.01191**	**.01558**	**9.1319**	**.01514**
Stddev	555.3	.40	39.	.00200	.00148	.0123	.00046
%RSD	24.226	.33883	.09234	16.761	9.5192	.13437	3.0696
#1	-2933.4	119.15	-42463.	.01065	.01723	9.1375	.01514
#2	-1963.3	119.38	-42508.	.01421	.01436	9.1404	.01468
#3	-1980.0	118.59	-42429.	.01086	.01515	9.1178	.01561
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32595**	**.90119**	**.02522**	**.90944**	**.74752**	F **328.78**
Stddev	.00071	.00112	.00072	.00192	.00130	2.27
%RSD	.21672	.12472	2.8643	.21142	.17380	.68893
#1	.32615	.90026	.02580	.90970	.74649	330.63
#2	.32654	.90244	.02544	.91121	.74898	329.45
#3	.32517	.90088	.02441	.90739	.74710	326.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64522.**	**69195.**
Stddev	162.	169.
%RSD	.25119	.24414
#1	64528.	69213.
#2	64357.	69018.
#3	64681.	69354.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 20:59:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41599**	**10.202**	**.40931**	**.50327**	**.99505**	**.05038**	**9.8880**
Stddev	.00091	.006	.00176	.00059	.00324	.00009	.0354
%RSD	.21932	.05617	.42903	.11678	.32586	.17536	.35776
#1	.41645	10.203	.41130	.50263	.99137	.05041	9.8553
#2	.41658	10.206	.40861	.50339	.99749	.05028	9.9256
#3	.41493	10.195	.40801	.50379	.99629	.05045	9.8832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05181**	**.20842**	**.50573**	**.52026**	**4.0809**	**50.434**	**1.0008**
Stddev	.00016	.00092	.00133	.00057	.0057	.180	.0027
%RSD	.30224	.43992	.26324	.11010	.14075	.35705	.27234
#1	.05196	.20912	.50553	.52080	4.0747	50.245	.99776
#2	.05165	.20738	.50452	.51966	4.0861	50.604	1.0015
#3	.05182	.20876	.50716	.52033	4.0819	50.453	1.0031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.51326**	**1.0628**	**50.191**	**.51919**	F **40.347**	**.52470**
Stddev	.039	.00106	.0009	.087	.00063	28.562	.00249
%RSD	.37643	.20740	.08251	.17236	.12077	70.790	.47506
#1	10.386	.51424	1.0625	50.152	.51962	21.483	.52611
#2	10.459	.51213	1.0638	50.290	.51847	73.208	.52617
#3	10.448	.51340	1.0622	50.130	.51947	26.351	.52182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 20:59:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1348.0**	**10.671**	F **25.620**	**1.2837**	**.40973**	F **2.2524**	**1.0890**
Stddev	487.3	.034	14.795	.0039	.00216	.0027	.0009
%RSD	36.151	.31470	57.749	.30154	.52619	.11854	.08223
#1	1258.5	10.643	41.124	1.2880	.41126	2.2552	1.0900
#2	911.68	10.708	24.082	1.2827	.40727	2.2498	1.0883
#3	1873.9	10.663	11.654	1.2805	.41067	2.2521	1.0887
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98826**	**1.0596**	**.52891**	**1.0264**	**1.0346**	F **1.4518**
Stddev	.00180	.0018	.00068	.0022	.0011	.1364
%RSD	.18179	.17257	.12900	.21321	.10546	9.3931
#1	.98674	1.0577	.52877	1.0289	1.0350	1.5300
#2	.99024	1.0613	.52965	1.0258	1.0356	1.2943
#3	.98780	1.0600	.52830	1.0247	1.0334	1.5310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65477.**	**65068.**
Stddev	24.	248.
%RSD	.03613	.38063
#1	65453.	65339.
#2	65477.	64854.
#3	65500.	65010.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 21:02:26 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.02314**	**-.00083**	**.00144**	**-.00003**	**.00002**	**-.01038**
Stddev	.00044	.00239	.00140	.00045	.00007	.00001	.00388
%RSD	124.63	10.339	168.78	31.353	276.65	66.748	37.368
#1	-.00084	.02590	.00032	.00192	.00006	.00002	-.01028
#2	.00002	.02187	-.00239	.00139	-.00007	.00003	-.00655
#3	-.00024	.02166	-.00042	.00102	-.00007	.00001	-.01431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00002**	**.00015**	**.00021**	**.03463**	**.11949**	**-.00051**
Stddev	.00007	.00007	.00005	.00019	.00651	.03025	.00096
%RSD	101.64	302.12	32.371	93.302	18.788	25.316	186.82
#1	-.00002	.00000	.00018	.00019	.03979	.13500	-.00121
#2	-.00004	.00003	.00017	.00041	.03678	.08463	.00058
#3	-.00015	-.00010	.00009	.00002	.02732	.13885	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**.00085**	**.00043**	**.00251**	**-.00003**	F **38.765**	**-.00082**
Stddev	.00679	.00025	.00009	.00697	.00030	31.705	.00123
%RSD	275.34	29.248	20.765	277.72	1013.7	81.786	150.15
#1	.00290	.00109	.00034	.00881	-.00033	18.513	.00058
#2	-.00020	.00059	.00051	.00371	.00027	22.480	-.00131
#3	-.01009	.00088	.00044	-.00498	-.00002	75.303	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 21:02:26 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1536.9**	F **.05406**	F **-18.025**	**.00116**	**-.00096**	**.00520**	**.00027**
Stddev	275.7	.02240	11.770	.00052	.00078	.00182	.00003
%RSD	17.939	41.437	65.302	44.964	80.704	34.944	12.613
#1	1335.3	.05290	-31.546	.00069	-.00169	.00402	.00030
#2	1851.1	.07702	-10.070	.00106	-.00015	.00428	.00027
#3	1424.4	.03226	-12.458	.00172	-.00105	.00729	.00023
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00077**	**-.00059**	**.00012**	**.00000**	F **-.10898**
Stddev	.00004	.00056	.00088	.00008	.00007	.13896
%RSD	36.474	72.932	150.14	68.168	5113.4	127.50
#1	.00016	-.00117	.00009	.00005	.00007	-.22495
#2	.00012	-.00102	-.00159	.00010	-.00006	.04504
#3	.00007	-.00013	-.00027	.00021	.00000	-.14704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66776.**	**65671.**
Stddev	199.	337.
%RSD	.29765	.51259
#1	66557.	65930.
#2	66944.	65290.
#3	66829.	65791.

Approved: April 04, 2011

Sample Name: L1103082729SD Acquired: 4/1/2011 21:06:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19224**	**282.36**	**.34761**	**.18910**	**1.2948**	**.01678**	**35.129**
Stddev	.00005	1.77	.00089	.00082	.0040	.00008	.118
%RSD	.02767	.62762	.25637	.43366	.30632	.44874	.33486
#1	.19218	281.81	.34857	.18821	1.2991	.01677	35.238
#2	.19229	284.34	.34745	.18982	1.2913	.01687	35.004
#3	.19226	280.92	.34681	.18928	1.2940	.01672	35.144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03088**	**.22226**	**.40117**	**.40446**	**415.83**	**23.109**	**.18554**
Stddev	.00007	.00075	.00079	.00200	.26	.071	.00073
%RSD	.21387	.33614	.19648	.49519	.06209	.30916	.39402
#1	.03091	.22312	.40104	.40677	415.83	23.171	.18629
#2	.03080	.22173	.40202	.40345	415.57	23.031	.18551
#3	.03092	.22194	.40046	.40317	416.08	23.124	.18482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.846**	**8.5850**	**.02350**	**1.4068**	**.16126**	F **74866.**	**.69235**
Stddev	.119	.0204	.00019	.0097	.00028	150.	.00244
%RSD	.39886	.23760	.82597	.68840	.17585	.20003	.35251
#1	29.959	8.6070	.02328	1.4120	.16104	74947.	.69483
#2	29.722	8.5667	.02355	1.4128	.16115	74959.	.69228
#3	29.859	8.5813	.02365	1.3957	.16158	74694.	.68995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082729SD Acquired: 4/1/2011 21:06:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360175-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2162.9**	F **117.67**	F **-41843.**	**.01154**	**.01374**	**11.155**	**.01384**
Stddev	74.7	.71	36.	.00179	.00145	.021	.00031
%RSD	3.4520	.60270	.08600	15.508	10.554	.18943	2.2751
#1	-2167.2	118.48	-41876.	.01104	.01513	11.180	.01380
#2	-2086.2	117.36	-41850.	.01005	.01385	11.142	.01418
#3	-2235.4	117.17	-41805.	.01352	.01224	11.144	.01355
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31056**	**.75509**	**.02368**	**.83641**	**.93489**	F **294.97**
Stddev	.00081	.00154	.00065	.00130	.00052	.48
%RSD	.26196	.20353	2.7501	.15514	.05605	.16262
#1	.31149	.75669	.02324	.83780	.93550	294.45
#2	.31015	.75496	.02443	.83620	.93459	295.04
#3	.31003	.75362	.02338	.83523	.93459	295.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64419.**	**69806.**
Stddev	195.	640.
%RSD	.30297	.91656
#1	64208.	69154.
#2	64456.	70433.
#3	64593.	69832.

Approved: April 04, 2011

Sample Name: L1103082730 Acquired: 4/1/2011 21:09:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**210.31**	**.12410**	**.16052**	**1.3954**	**.01040**	**46.520**
Stddev	.00078	3.06	.00080	.00180	.0030	.00004	.175
%RSD	9.4073	1.4570	.64334	1.1240	.21754	.42556	.37669
#1	.00742	208.07	.12491	.16016	1.3920	.01036	46.536
#2	.00860	209.05	.12331	.15892	1.3967	.01040	46.337
#3	.00890	213.80	.12407	.16248	1.3977	.01045	46.687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00684**	**.12547**	**.31010**	**.16961**	**279.95**	**28.391**	**.17469**
Stddev	.00007	.00024	.00219	.00082	2.51	.100	.00104
%RSD	.99097	.18768	.70655	.48236	.89539	.35102	.59636
#1	.00684	.12535	.30769	.16881	281.20	28.420	.17485
#2	.00677	.12575	.31062	.17044	277.06	28.280	.17564
#3	.00690	.12533	.31198	.16957	281.58	28.474	.17357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.208**	**6.2289**	**.01422**	**.97500**	**.14705**	F **130220.**	**.35535**
Stddev	.082	.0082	.00012	.01030	.00052	196.	.00078
%RSD	.35393	.13114	.83465	1.0568	.35357	.15026	.21868
#1	23.232	6.2303	.01433	.97188	.14670	130260.	.35529
#2	23.117	6.2201	.01410	.96661	.14764	130390.	.35616
#3	23.277	6.2363	.01423	.98650	.14679	130010.	.35461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082730 Acquired: 4/1/2011 21:09:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2511.4**	F **216.81**	F **-86883.**	**.00675**	**.00873**	**6.1231**	**.01052**
Stddev	353.8	.66	82.	.00256	.00064	.0052	.00021
%RSD	14.086	.30353	.09392	37.836	7.2927	.08555	2.0151
#1	-2519.9	216.05	-86932.	.00744	.00878	6.1273	.01071
#2	-2860.8	217.13	-86929.	.00890	.00934	6.1248	.01057
#3	-2153.5	217.24	-86789.	.00393	.00807	6.1173	.01029
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32342**	**1.0058**	**.01536**	**.57939**	**.99097**	F **165.12**
Stddev	.00116	.0019	.00074	.00074	.00075	1.24
%RSD	.35809	.18887	4.8139	.12776	.07568	.74810
#1	.32363	1.0044	.01452	.57856	.99085	163.83
#2	.32217	1.0049	.01569	.57997	.99177	165.22
#3	.32446	1.0079	.01589	.57964	.99028	166.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64704.**	**69372.**
Stddev	22.	715.
%RSD	.03470	1.0310
#1	64726.	68753.
#2	64681.	70155.
#3	64706.	69208.

Approved: April 04, 2011

Sample Name: L1103082731 Acquired: 4/1/2011 21:13:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00722**	**246.59**	**.15115**	**.16546**	**1.7041**	**.01764**	**32.795**
Stddev	.00025	1.04	.00163	.00445	.0057	.00006	.090
%RSD	3.5075	.42134	1.0751	2.6888	.33481	.36004	.27322
#1	.00706	245.50	.15089	.16173	1.7046	.01758	32.792
#2	.00751	246.69	.15289	.17038	1.6981	.01771	32.707
#3	.00709	247.57	.14967	.16427	1.7095	.01762	32.886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00613**	**.46624**	**.31917**	**.14327**	**382.98**	**18.108**	**.13164**
Stddev	.00006	.00074	.00129	.00110	6.56	.003	.00148
%RSD	.98575	.15827	.40382	.77124	1.7139	.01689	1.1244
#1	.00611	.46660	.31784	.14383	378.12	18.111	.13011
#2	.00609	.46673	.32042	.14397	390.44	18.108	.13176
#3	.00620	.46539	.31923	.14199	380.37	18.105	.13306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.365**	**20.096**	**.02090**	**4.8772**	**.14406**	F **53139.**	**.49428**
Stddev	.007	.155	.00008	.0177	.00045	145.	.00156
%RSD	.02841	.77247	.40027	.36313	.31264	.27290	.31511
#1	26.361	20.164	.02084	4.8685	.14354	53138.	.49284
#2	26.373	19.918	.02086	4.8655	.14433	53285.	.49593
#3	26.359	20.205	.02100	4.8976	.14432	52995.	.49406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082731 Acquired: 4/1/2011 21:13:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2105.5**	F **121.96**	F **-45425.**	**.00912**	**.01610**	**6.6143**	**.01184**
Stddev	34.9	.36	42.	.00091	.00091	.0181	.00006
%RSD	1.6556	.29422	.09333	9.9232	5.6435	.27433	.51499
#1	-2080.0	122.08	-45450.	.01007	.01540	6.6289	.01179
#2	-2091.2	122.25	-45448.	.00826	.01578	6.6200	.01181
#3	-2145.2	121.56	-45376.	.00904	.01713	6.5940	.01191
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28502**	**.35221**	**.02235**	**.69204**	**.67341**	F **248.23**
Stddev	.00075	.00065	.00086	.00176	.00091	1.64
%RSD	.26152	.18468	3.8348	.25362	.13489	.65897
#1	.28455	.35214	.02333	.69128	.67268	246.83
#2	.28463	.35160	.02196	.69405	.67443	250.03
#3	.28588	.35290	.02175	.69080	.67312	247.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65197.**	**70206.**
Stddev	118.	676.
%RSD	.18125	.96235
#1	65171.	69609.
#2	65093.	70070.
#3	65325.	70939.

Approved: April 04, 2011

Sample Name: L1103082732 Acquired: 4/1/2011 21:16:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**57.992**	**.04610**	**.13057**	**.95462**	**.00418**
Stddev	.00066	.428	.00226	.00146	.00215	.00001
%RSD	65.058	.73884	4.8920	1.1146	.22483	.12766
#1	-.00168	58.461	.04533	.13223	.95710	.00418
#2	-.00036	57.893	.04864	.12996	.95352	.00419
#3	-.00099	57.622	.04433	.12951	.95326	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2399.8**	**.01001**	**.06237**	**.12918**	**.18375**	**122.83**
Stddev	22.5	.00011	.00028	.00093	.00135	.20
%RSD	.93901	1.0589	.45319	.72016	.73356	.16467
#1	2399.1	.00989	.06224	.12819	.18232	123.05
#2	2377.7	.01006	.06218	.12932	.18391	122.65
#3	2422.7	.01009	.06269	.13004	.18500	122.79
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.674**	**.65447**	**180.19**	**8.2405**	**.01267**	**3.8541**
Stddev	.459	.00965	.41	.0257	.00028	.0141
%RSD	1.7197	1.4743	.23030	.31183	2.1970	.36618
#1	27.182	.64908	180.07	8.2291	.01235	3.8488
#2	26.550	.64872	179.84	8.2224	.01286	3.8433
#3	26.290	.66561	180.65	8.2699	.01281	3.8700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082732 Acquired: 4/1/2011 21:16:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31047**	F **111880.**	**.15365**	F **-1437.3**	F **8263.8**	F **-668730.**
Stddev	.00121	290.	.00163	546.2	11.3	493.
%RSD	.38908	.25924	1.0594	38.002	.13645	.07370
#1	.30935	111560.	.15183	-1742.9	8253.3	-668270.
#2	.31032	111950.	.15496	-1762.2	8262.5	-668680.
#3	.31175	112120.	.15416	-806.68	8275.7	-669250.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01261**	**.01177**	**9.6356**	**-.00228**	F **33.447**	**.05203**
Stddev	.00191	.00210	.0130	.00014	.416	.00024
%RSD	15.116	17.860	.13435	5.9982	1.2449	.45752
#1	.01345	.01372	9.6231	-.00244	33.011	.05188
#2	.01396	.01204	9.6347	-.00221	33.488	.05231
#3	.01043	.00954	9.6489	-.00220	33.841	.05191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00012**	**.11995**	**.46026**	F **73.110**
Stddev	.00053	.00030	.00102	.314
%RSD	450.54	.24869	.22075	.42952
#1	-.00028	.11963	.45911	72.870
#2	.00071	.12001	.46066	73.466
#3	-.00008	.12021	.46102	72.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082732 Acquired: 4/1/2011 21:16:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**49596.**	**59621.**
Stddev	33.	360.
%RSD	.06559	.60371
#1	49630.	59459.
#2	49595.	60033.
#3	49565.	59370.

Approved: April 04, 2011

Sample Name: L1103082733 Acquired: 4/1/2011 21:20:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**52.167**	**.05018**	**.12466**	**1.0507**	**.00399**
Stddev	.00026	.429	.00041	.00033	.0047	.00002
%RSD	18.527	.82315	.80838	.26292	.44305	.54721
#1	-.00119	52.237	.05005	.12434	1.0559	.00397
#2	-.00168	51.707	.05064	.12500	1.0490	.00400
#3	-.00129	52.557	.04986	.12464	1.0471	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2373.6**	**.01027**	**.06720**	**.12836**	**.19774**	**128.84**
Stddev	9.6	.00006	.00013	.00093	.00063	.21
%RSD	.40630	.54054	.19149	.72156	.31685	.16638
#1	2362.5	.01029	.06728	.12747	.19834	129.09
#2	2378.9	.01020	.06727	.12932	.19780	128.71
#3	2379.5	.01030	.06705	.12828	.19709	128.72
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.717**	**.58137**	**177.11**	**7.5356**	**.01349**	**3.7992**
Stddev	.044	.00291	.45	.0062	.00055	.0092
%RSD	.18363	.50016	.25159	.08235	4.0791	.24116
#1	23.767	.58246	176.70	7.5293	.01311	3.8096
#2	23.695	.58358	177.04	7.5359	.01324	3.7957
#3	23.688	.57808	177.59	7.5417	.01412	3.7922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103082733 Acquired: 4/1/2011 21:20:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35135**	F **136080.**	**.17632**	F **-1702.2**	F **7838.7**	F **-824910.**
Stddev	.00038	178.	.00090	71.0	7.0	1321.
%RSD	.10799	.13109	.51112	4.1688	.08973	.16008
#1	.35162	136160.	.17538	-1627.6	7845.0	-826250.
#2	.35151	136190.	.17642	-1710.2	7839.9	-824880.
#3	.35092	135870.	.17717	-1768.8	7831.1	-823610.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01063**	**.00758**	**8.8537**	**-.00202**	F **29.660**	**.02908**
Stddev	.00150	.00095	.0330	.00046	.224	.00049
%RSD	14.086	12.503	.37316	22.917	.75516	1.6872
#1	.01150	.00660	8.8856	-.00187	29.541	.02864
#2	.01149	.00849	8.8559	-.00166	29.520	.02961
#3	.00890	.00764	8.8196	-.00255	29.918	.02900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00075**	**.10921**	**.48036**	F **71.799**
Stddev	.00037	.00008	.00031	.520
%RSD	49.196	.07745	.06513	.72385
#1	.00042	.10920	.48001	71.274
#2	.00115	.10913	.48046	71.811
#3	.00068	.10930	.48062	72.313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103082733 Acquired: 4/1/2011 21:20:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**50357.**	**61081.**
Stddev	81.	336.
%RSD	.16121	.54958
#1	50274.	61428.
#2	50360.	61055.
#3	50437.	60759.

Approved: April 04, 2011

Sample Name: L1103082734 Acquired: 4/1/2011 21:24:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00583**	**222.48**	**.15408**	**.16785**	**.90164**	**.01670**	**38.015**
Stddev	.00041	.74	.00141	.00250	.00112	.00006	.240
%RSD	7.0250	.33339	.91715	1.4910	.12373	.38273	.63114
#1	.00602	223.33	.15505	.16856	.90183	.01673	37.862
#2	.00536	222.14	.15246	.16993	.90045	.01662	37.892
#3	.00611	221.97	.15474	.16507	.90266	.01674	38.292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00533**	**.11828**	**.38763**	**.15302**	**395.17**	**11.717**	**.11188**
Stddev	.00008	.00003	.00305	.00130	5.18	.024	.00110
%RSD	1.4850	.02787	.78601	.85120	1.3103	.20218	.97965
#1	.00533	.11827	.38838	.15364	397.80	11.735	.11312
#2	.00540	.11825	.38428	.15152	398.51	11.690	.11151
#3	.00525	.11832	.39023	.15390	389.20	11.726	.11103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.402**	**5.8319**	**.01886**	**15.920**	**.11933**	F **44142.**	**.32043**
Stddev	.099	.0078	.00039	.029	.00034	109.	.00110
%RSD	.33627	.13397	2.0677	.17986	.28191	.24803	.34450
#1	29.494	5.8257	.01921	15.913	.11944	44179.	.31919
#2	29.415	5.8407	.01893	15.951	.11961	44019.	.32081
#3	29.297	5.8295	.01844	15.895	.11896	44229.	.32130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082734 Acquired: 4/1/2011 21:24:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1665.4**	F **160.70**	F **-62393.**	**.00797**	**.01307**	**7.6582**	**.00851**
Stddev	290.7	.51	63.	.00204	.00041	.0183	.00037
%RSD	17.455	.31885	.10102	25.547	3.1564	.23942	4.3645
#1	-1430.1	161.13	-62404.	.00911	.01320	7.6789	.00809
#2	-1575.8	160.13	-62325.	.00918	.01341	7.6519	.00863
#3	-1990.4	160.83	-62450.	.00562	.01261	7.6439	.00880
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36200**	**.29098**	**.01857**	**.69458**	**.54141**	F **220.63**
Stddev	.00142	.00024	.00176	.00187	.00061	.89
%RSD	.39236	.08149	9.4977	.26986	.11235	.40438
#1	.36054	.29095	.02035	.69656	.54088	221.64
#2	.36209	.29075	.01855	.69436	.54128	219.97
#3	.36338	.29123	.01682	.69283	.54208	220.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64920.**	**69537.**
Stddev	117.	719.
%RSD	.18006	1.0336
#1	64790.	68820.
#2	65017.	69534.
#3	64951.	70258.

Approved: April 04, 2011

Sample Name: L1103082735 Acquired: 4/1/2011 21:28:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00320**	**143.28**	**.08932**	**.11616**	**1.7468**	**.01146**	**377.35**
Stddev	.00051	.47	.00165	.00202	.0048	.00009	5.01
%RSD	15.959	.33121	1.8462	1.7416	.27648	.77438	1.3264
#1	.00276	143.60	.09122	.11408	1.7422	.01152	374.33
#2	.00309	142.73	.08844	.11812	1.7463	.01136	374.59
#3	.00376	143.49	.08829	.11629	1.7518	.01149	383.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**.14574**	**.23826**	**.15812**	**263.70**	**16.982**	**.16446**
Stddev	.00006	.00043	.00210	.00119	4.66	.047	.00081
%RSD	1.2848	.29464	.88000	.75138	1.7655	.27890	.49350
#1	.00488	.14545	.23843	.15771	258.93	16.938	.16384
#2	.00478	.14554	.23609	.15719	268.24	16.976	.16416
#3	.00476	.14624	.24027	.15946	263.92	17.032	.16538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.748**	**9.3581**	**.00763**	**1.1024**	**.22452**	F **49118.**	**.21912**
Stddev	.146	.0217	.00024	.0050	.00022	108.	.00123
%RSD	.54411	.23197	3.1055	.45666	.09852	.22042	.56041
#1	26.709	9.3544	.00787	1.1071	.22429	49146.	.22025
#2	26.626	9.3385	.00739	1.0971	.22473	48999.	.21781
#3	26.909	9.3814	.00763	1.1031	.22454	49210.	.21930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103082735 Acquired: 4/1/2011 21:28:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1920.6**	F **430.01**	F **-27862.**	**.00610**	**.00624**	**7.9062**	**.00346**
Stddev	341.9	.65	57.	.00363	.00192	.0053	.00017
%RSD	17.804	.15226	.20428	59.434	30.761	.06653	4.9182
#1	-2218.5	430.01	-27836.	.00740	.00411	7.9012	.00355
#2	-1996.1	429.35	-27822.	.00200	.00679	7.9117	.00326
#3	-1547.2	430.66	-27927.	.00890	.00783	7.9057	.00357
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8798**	**.23386**	**.01058**	**.37446**	**.59101**	F **130.10**
Stddev	.0079	.00219	.00040	.00220	.00069	.90
%RSD	.42172	.93467	3.7691	.58796	.11646	.68809
#1	1.8744	.23308	.01093	.37615	.59180	130.45
#2	1.8760	.23217	.01015	.37197	.59058	129.08
#3	1.8889	.23633	.01066	.37526	.59064	130.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63022.**	**68280.**
Stddev	116.	333.
%RSD	.18402	.48811
#1	63041.	68266.
#2	63128.	68620.
#3	62898.	67954.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 21:31:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41856**	**10.226**	**.40995**	**.50370**	**1.0002**	**.05086**	**10.040**
Stddev	.00185	.018	.00106	.00044	.0018	.00008	.031
%RSD	.44303	.17723	.25955	.08706	.17747	.14853	.31076
#1	.41885	10.240	.40900	.50410	1.0007	.05081	10.055
#2	.41658	10.233	.40976	.50323	.99825	.05095	10.004
#3	.42026	10.206	.41110	.50376	1.0017	.05083	10.060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05189**	**.20892**	**.51031**	**.52045**	**4.0725**	**50.856**	**1.0055**
Stddev	.00005	.00038	.00103	.00080	.0073	.151	.0028
%RSD	.09261	.18339	.20117	.15424	.17849	.29705	.27677
#1	.05187	.20935	.50958	.52061	4.0793	50.854	1.0059
#2	.05195	.20880	.51149	.52117	4.0648	50.707	1.0025
#3	.05186	.20861	.50987	.51958	4.0734	51.009	1.0081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.414**	**.51407**	**1.0618**	**50.913**	**.51963**	F **31.092**	**.52211**
Stddev	.021	.00038	.0011	.251	.00030	45.446	.00430
%RSD	.20079	.07442	.10446	.49267	.05781	146.17	.82452
#1	10.435	.51371	1.0629	50.992	.51990	63.160	.52122
#2	10.393	.51447	1.0616	50.633	.51969	-20.916	.52679
#3	10.415	.51402	1.0607	51.115	.51930	51.032	.51832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 21:31:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **743.05**	**10.592**	F **39.665**	**1.2922**	**.41275**	F **2.2637**	**1.0886**
Stddev	109.10	.055	9.582	.0022	.00307	.0017	.0008
%RSD	14.683	.51762	24.157	.17338	.74402	.07497	.07012
#1	858.64	10.584	48.839	1.2947	.41430	2.2626	1.0895
#2	728.66	10.651	29.722	1.2914	.40921	2.2628	1.0884
#3	641.86	10.542	40.434	1.2904	.41474	2.2656	1.0880
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**1.0646**	**.52922**	**1.0277**	**1.0343**	F **1.4683**
Stddev	.0043	.0017	.00088	.0014	.0010	.0616
%RSD	.43309	.16327	.16549	.13706	.09796	4.1977
#1	1.0031	1.0656	.53016	1.0284	1.0354	1.5335
#2	.99847	1.0626	.52910	1.0261	1.0340	1.4606
#3	1.0072	1.0656	.52842	1.0286	1.0334	1.4109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65509.**	**65585.**
Stddev	35.	141.
%RSD	.05406	.21425
#1	65550.	65515.
#2	65486.	65746.
#3	65491.	65492.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 21:35:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00175**	**-.00002**	**.00127**	**-.00004**	**.00003**	**-.01218**
Stddev	.00063	.00021	.00058	.00050	.00012	.00001	.00866
%RSD	85.056	12.009	2764.0	39.554	327.90	29.968	71.107
#1	-.00001	.00196	-.00068	.00099	.00002	.00004	-.00785
#2	-.00109	.00174	.00044	.00185	-.00018	.00002	-.02215
#3	-.00111	.00154	.00018	.00097	.00005	.00003	-.00653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00013**	**.00001**	**.00059**	**.00051**	**.06294**	**-.00169**
Stddev	.00004	.00006	.00027	.00039	.00159	.01476	.00188
%RSD	56.485	45.061	5271.1	65.586	309.48	23.457	111.23
#1	-.00007	-.00017	.00027	.00093	.00079	.07159	-.00126
#2	-.00003	-.00016	.00002	.00017	-.00120	.07134	-.00374
#3	-.00011	-.00006	-.00027	.00068	.00195	.04589	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02109**	**.00029**	**.00032**	**.00091**	**-.00033**	F **6.9334**	**-.00073**
Stddev	.01161	.00018	.00003	.00660	.00033	29.181	.00095
%RSD	55.041	61.865	10.761	723.76	100.11	420.88	130.30
#1	-.01033	.00046	.00035	.00850	-.00051	1.1987	-.00181
#2	-.03340	.00030	.00028	-.00349	.00005	38.557	-.00035
#3	-.01956	.00010	.00031	-.00227	-.00054	-18.955	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 21:35:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **964.16**	F **.02481**	F **-17.277**	**.00207**	**-.00152**	**.00649**	**.00030**
Stddev	122.33	.02063	10.761	.00161	.00102	.00188	.00006
%RSD	12.687	83.135	62.286	77.785	67.081	28.885	19.492
#1	1080.9	.04680	-17.535	.00067	-.00136	.00837	.00032
#2	974.74	.02176	-27.907	.00171	-.00059	.00650	.00024
#3	836.89	.00588	-6.3892	.00384	-.00261	.00462	.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00133**	**.00019**	**.00003**	**.00000**	F **-.13560**
Stddev	.00006	.00157	.00075	.00014	.00002	.14237
%RSD	106.26	117.51	394.10	459.94	2016.2	104.99
#1	.00012	-.00053	.00021	-.00002	-.00002	-.06207
#2	.00001	-.00033	.00093	-.00008	.00001	-.29970
#3	.00004	-.00314	-.00057	.00019	.00002	-.04503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66907.**	**65593.**
Stddev	34.	402.
%RSD	.05031	.61211
#1	66940.	65611.
#2	66908.	65183.
#3	66873.	65985.

Approved: April 04, 2011

Sample Name: PBS YZ Acquired: 4/1/2011 21:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00418**	**-.00182**	**.00015**	**.00080**	**.00003**	**.00129**
Stddev	.00040	.00256	.00085	.00058	.00005	.00002	.00501
%RSD	732.91	61.158	46.585	378.67	6.7185	64.732	387.56
#1	-.00041	-.00433	-.00094	.00037	.00081	.00004	.00510
#2	.00038	-.00665	-.00263	-.00050	.00075	.00004	.00316
#3	-.00014	-.00155	-.00191	.00059	.00085	.00001	-.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00037**	**.00095**	**.00961**	**.01387**	**.03874**	**-.00206**
Stddev	.00008	.00009	.00022	.00022	.00097	.02765	.00045
%RSD	40.803	23.874	23.396	2.2861	6.9676	71.390	21.711
#1	.00011	-.00027	.00096	.00936	.01481	.02237	-.00193
#2	.00021	-.00045	.00117	.00969	.01392	.02317	-.00256
#3	.00027	-.00038	.00073	.00977	.01288	.07067	-.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00749**	**.00014**	**.00038**	**.01393**	**.00036**	F **-104.52**	**-.00059**
Stddev	.00392	.00009	.00014	.00149	.00003	20.54	.00049
%RSD	52.377	61.014	37.805	10.706	7.9324	19.646	83.739
#1	-.00393	.00014	.00047	.01480	.00033	-107.47	-.00104
#2	-.01170	.00006	.00045	.01221	.00038	-123.43	-.00066
#3	-.00684	.00023	.00021	.01478	.00038	-82.677	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS YZ Acquired: 4/1/2011 21:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **371.21**	**.12508**	F **-27.298**	**.00345**	**.00099**	**.04024**	**-.00395**
Stddev	105.70	.03673	5.972	.00044	.00222	.00209	.00006
%RSD	28.474	29.366	21.877	12.880	225.03	5.1881	1.5594
#1	349.64	.15985	-34.056	.00366	-.00152	.04162	-.00391
#2	277.96	.12874	-22.730	.00375	.00271	.03784	-.00393
#3	486.04	.08666	-25.109	.00294	.00177	.04127	-.00403
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00036**	**-.00234**	**-.00005**	**.00251**	F **-.26581**
Stddev	.00002	.00008	.00032	.00010	.00002	.06349
%RSD	278.51	23.290	13.555	195.95	.91664	23.886
#1	-.00002	-.00042	-.00223	.00007	.00253	-.24607
#2	.00001	-.00027	-.00269	-.00011	.00251	-.21453
#3	.00003	-.00039	-.00209	-.00012	.00249	-.33682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66469.**	**65367.**
Stddev	132.	559.
%RSD	.19917	.85535
#1	66478.	65148.
#2	66596.	66003.
#3	66332.	64951.

Approved: April 04, 2011

Sample Name: LCSS YZ Acquired: 4/1/2011 21:42:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20213**	**-.00222**	**.19862**	**.00038**	**.00116**	**.00005**	**.00875**
Stddev	.00080	.00151	.00011	.00046	.00006	.00003	.00176
%RSD	.39541	67.830	.05627	120.55	5.1003	70.417	20.092
#1	.20237	-.00075	.19851	-.00011	.00122	.00001	.00936
#2	.20278	-.00377	.19873	.00079	.00116	.00008	.01013
#3	.20124	-.00215	.19861	.00046	.00110	.00004	.00677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02539**	**-.00031**	**.00073**	**.26754**	**.01264**	**.03521**	**-.00080**
Stddev	.00012	.00012	.00016	.00092	.00216	.01543	.00043
%RSD	.45734	37.159	22.158	.34374	17.094	43.820	53.502
#1	.02546	-.00026	.00090	.26744	.01513	.04808	-.00115
#2	.02526	-.00023	.00071	.26667	.01125	.01811	-.00032
#3	.02546	-.00044	.00058	.26850	.01154	.03946	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00503**	**.27317**	**.00031**	**.01563**	**.00057**	F **-58.323**	**.27652**
Stddev	.00689	.00033	.00012	.00258	.00007	37.235	.00029
%RSD	136.93	.12021	38.936	16.525	11.586	63.843	.10566
#1	-.01294	.27330	.00017	.01596	.00064	-89.633	.27618
#2	-.00032	.27341	.00037	.01290	.00055	-68.186	.27672
#3	-.00184	.27280	.00038	.01803	.00052	-17.149	.27664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS YZ Acquired: 4/1/2011 21:42:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **325.05**	**.17578**	F **-51.101**	**.00235**	**-.00016**	**.03922**	**-.00435**
Stddev	299.55	.01273	10.494	.00248	.00083	.00108	.00043
%RSD	92.153	7.2424	20.536	105.47	504.01	2.7553	9.9937
#1	-4.5897	.16108	-44.993	.00196	.00029	.03830	-.00410
#2	580.59	.18273	-45.092	.00009	-.00112	.04041	-.00410
#3	399.15	.18351	-63.218	.00501	.00034	.03895	-.00485
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00134**	**-.00139**	**.00008**	**.00327**	F **-.15883**
Stddev	.00004	.00094	.00117	.00016	.00002	.20338
%RSD	95.213	70.245	84.296	194.72	.66101	128.05
#1	.00008	-.00123	-.00064	.00016	.00329	.05608
#2	.00002	-.00234	-.00079	.00020	.00325	-.34828
#3	.00002	-.00046	-.00274	-.00010	.00326	-.18428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66187.**	**65885.**
Stddev	32.	394.
%RSD	.04813	.59726
#1	66153.	65685.
#2	66217.	65632.
#3	66191.	66339.

Approved: April 04, 2011

Sample Name: L1103083210 Acquired: 4/1/2011 21:45:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05354**	**130.51**	**.28809**	**.14593**	**1.3991**	**.01268**	**153.16**
Stddev	.00038	.89	.00134	.00165	.0063	.00005	.84
%RSD	.71468	.68081	.46541	1.1279	.44671	.43365	.54966
#1	.05370	129.83	.28738	.14587	1.3938	.01271	152.38
#2	.05382	131.52	.28725	.14431	1.3976	.01272	153.04
#3	.05311	130.20	.28963	.14760	1.4060	.01262	154.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05057**	**.10641**	**.21531**	**.71872**	**319.41**	**15.699**	**.14573**
Stddev	.00016	.00043	.00148	.00309	2.62	.067	.00141
%RSD	.30786	.40029	.68693	.42932	.82045	.42636	.96900
#1	.05058	.10648	.21663	.71843	318.70	15.665	.14537
#2	.05072	.10679	.21559	.72193	317.21	15.655	.14452
#3	.05041	.10595	.21371	.71578	322.31	15.776	.14728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.228**	**7.1172**	**.00968**	**.79612**	**.24739**	F **98795.**	**3.9093**
Stddev	.196	.0162	.00022	.00280	.00043	352.	.0097
%RSD	.59066	.22815	2.2351	.35186	.17245	.35586	.24789
#1	33.240	7.1130	.00944	.79580	.24740	98830.	3.9161
#2	33.026	7.1034	.00974	.79350	.24696	99128.	3.9137
#3	33.418	7.1351	.00986	.79907	.24781	98427.	3.8982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083210 Acquired: 4/1/2011 21:45:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2025.9**	F **335.03**	F **-95764.**	**.04138**	**.01099**	**6.6659**	**.01888**
Stddev	643.6	1.63	242.	.00163	.00060	.0312	.00029
%RSD	31.767	.48691	.25283	3.9284	5.4146	.46739	1.5445
#1	-1485.6	334.99	-95700.	.04313	.01090	6.6578	.01878
#2	-1854.2	336.68	-96032.	.04110	.01163	6.7003	.01921
#3	-2737.9	333.42	-95561.	.03991	.01045	6.6396	.01865
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76147**	**.15891**	**.00737**	**.26846**	**11.830**	F **77.472**
Stddev	.00316	.00115	.00115	.00123	.024	.198
%RSD	.41521	.72108	15.540	.45716	.20238	.25542
#1	.75810	.15759	.00867	.26872	11.851	77.595
#2	.76194	.15954	.00650	.26954	11.835	77.578
#3	.76437	.15961	.00695	.26712	11.804	77.244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63871.**	**68835.**
Stddev	273.	607.
%RSD	.42706	.88209
#1	63741.	68301.
#2	63688.	69495.
#3	64185.	68709.

Approved: April 04, 2011

Sample Name: L1103083210PS Acquired: 4/1/2011 21:49:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360623-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25455**	**121.65**	**.45803**	**1.0673**	**1.7766**	**.03721**	**144.64**
Stddev	.00079	.88	.00182	.0017	.0054	.00018	.29
%RSD	.31039	.72140	.39641	.15701	.30608	.48534	.20010
#1	.25372	120.73	.45921	1.0680	1.7808	.03700	144.93
#2	.25529	121.76	.45894	1.0686	1.7785	.03733	144.35
#3	.25464	122.47	.45594	1.0654	1.7705	.03730	144.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07073**	**.19566**	**.44851**	**.89231**	**292.14**	**39.572**	**.64096**
Stddev	.00010	.00023	.00192	.00057	2.19	.048	.00201
%RSD	.13622	.11838	.42748	.06426	.75110	.12061	.31402
#1	.07073	.19571	.44665	.89191	294.25	39.585	.64323
#2	.07082	.19587	.44839	.89297	292.31	39.519	.64026
#3	.07063	.19541	.45048	.89206	289.87	39.612	.63939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.368**	**6.7152**	**.55664**	**26.490**	**.47295**	F **90141.**	**3.7692**
Stddev	.142	.0136	.00070	.073	.00114	90.	.0023
%RSD	.40280	.20284	.12538	.27615	.24180	.09981	.06143
#1	35.294	6.7090	.55742	26.513	.47179	90217.	3.7683
#2	35.278	6.7057	.55609	26.408	.47408	90042.	3.7718
#3	35.532	6.7308	.55640	26.548	.47299	90166.	3.7674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083210PS Acquired: 4/1/2011 21:49:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360623-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1370.3**	F **307.63**	F **-87408.**	**.63691**	**.20459**	**13.572**	**.01729**
Stddev	456.3	.60	55.	.00102	.00318	.014	.00024
%RSD	33.297	.19600	.06258	.16066	1.5531	.10009	1.4053
#1	-1668.6	307.87	-87466.	.63800	.20094	13.576	.01756
#2	-1597.3	308.07	-87403.	.63597	.20676	13.583	.01719
#3	-845.06	306.94	-87357.	.63676	.20605	13.557	.01711
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1905**	**.66828**	**.24528**	**.76473**	**11.228**	F **70.556**
Stddev	.0033	.00199	.00227	.00064	.006	.364
%RSD	.27668	.29732	.92647	.08334	.05284	.51639
#1	1.1937	.66954	.24454	.76447	11.223	70.931
#2	1.1871	.66599	.24783	.76545	11.234	70.203
#3	1.1908	.66931	.24347	.76426	11.225	70.535
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63646.**	**67295.**
Stddev	47.	339.
%RSD	.07422	.50436
#1	63645.	67244.
#2	63600.	67656.
#3	63694.	66983.

Approved: April 04, 2011

Sample Name: L1103083210SDL Acquired: 4/1/2011 21:53:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360623-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**30.564**	**.05941**	**.03165**	**.28060**	**.00255**	**31.554**
Stddev	.00065	.026	.00104	.00020	.00098	.00003	.061
%RSD	5.9052	.08591	1.7492	.64667	.34859	1.1133	.19382
#1	.01021	30.574	.05821	.03185	.28041	.00253	31.559
#2	.01143	30.583	.06009	.03166	.27973	.00258	31.491
#3	.01119	30.534	.05991	.03144	.28166	.00253	31.613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.02259**	**.04387**	**.15278**	**66.670**	**3.2942**	**.02853**
Stddev	.00006	.00009	.00060	.00050	.198	.0335	.00084
%RSD	.58631	.41750	1.3605	.32784	.29743	1.0169	2.9452
#1	.01074	.02248	.04320	.15270	66.485	3.2974	.02797
#2	.01062	.02264	.04433	.15331	66.645	3.2592	.02814
#3	.01071	.02266	.04408	.15232	66.879	3.3260	.02950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1494**	**1.4703**	**.00205**	**.15651**	**.05245**	F **21602.**	**.86749**
Stddev	.0063	.0012	.00007	.00169	.00044	18.	.00501
%RSD	.08825	.07826	3.2233	1.0818	.84235	.08497	.57791
#1	7.1553	1.4693	.00204	.15751	.05294	21623.	.86183
#2	7.1428	1.4715	.00199	.15746	.05232	21594.	.87140
#3	7.1500	1.4699	.00212	.15456	.05208	21590.	.86923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083210SDL Acquired: 4/1/2011 21:53:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360623-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-181.04**	F **74.812**	F **-20874.**	**.00779**	**.00124**	**1.4391**	**-.00037**
Stddev	701.90	.128	43.	.00105	.00093	.0025	.00050
%RSD	387.70	.17112	.20368	13.535	75.594	.17604	137.31
#1	-905.86	74.857	-20922.	.00898	.00137	1.4399	.00018
#2	495.44	74.911	-20839.	.00738	.00209	1.4363	-.00048
#3	-132.71	74.667	-20862.	.00700	.00024	1.4412	-.00081
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15362**	**.03119**	**.00249**	**.05367**	**2.5158**	**14.422**
Stddev	.00028	.00029	.00036	.00034	.0029	.147
%RSD	.18443	.93928	14.635	.62759	.11591	1.0203
#1	.15377	.03128	.00207	.05354	2.5129	14.313
#2	.15329	.03142	.00267	.05405	2.5187	14.589
#3	.15379	.03086	.00273	.05342	2.5158	14.363
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68880.**	**68604.**
Stddev	272.	345.
%RSD	.39497	.50342
#1	69192.	68995.
#2	68756.	68341.
#3	68692.	68476.

Approved: April 04, 2011

Sample Name: L1103083210SDL Acquired: 4/1/2011 21:56:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360623-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00192**	**6.2673**	**.01271**	**.00617**	**.05535**	**.00048**	**6.2384**
Stddev	.00032	.0228	.00049	.00031	.00042	.00001	.0576
%RSD	16.526	.36341	3.8648	5.0791	.75010	1.2171	.92322
#1	.00158	6.2446	.01254	.00594	.05491	.00048	6.2114
#2	.00220	6.2671	.01327	.00604	.05541	.00049	6.1993
#3	.00199	6.2901	.01233	.00652	.05574	.00047	6.3045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00482**	**.00876**	**.03185**	**13.102**	**.67996**	**.00545**
Stddev	.00010	.00016	.00016	.00024	.072	.03306	.00049
%RSD	5.0885	3.3931	1.8635	.76880	.55111	4.8622	8.9279
#1	.00213	.00464	.00883	.03211	13.077	.66895	.00550
#2	.00210	.00492	.00887	.03181	13.046	.65381	.00494
#3	.00194	.00491	.00857	.03162	13.183	.71712	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4242**	**.29673**	**.00020**	**.01381**	**.01021**	F **4430.8**	**.18103**
Stddev	.0056	.00114	.00011	.00759	.00015	29.7	.00059
%RSD	.39198	.38565	52.698	54.927	1.4799	.67003	.32327
#1	1.4181	.29570	.00009	.00536	.01006	4396.6	.18098
#2	1.4290	.29796	.00029	.02002	.01021	4446.5	.18047
#3	1.4256	.29654	.00022	.01606	.01036	4449.5	.18163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083210SDL Acquired: 4/1/2011 21:56:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360623-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1098.0**	F **15.801**	F **-4302.4**	**.00120**	**-.00225**	**.28565**	**-.00462**
Stddev	408.6	.088	16.8	.00096	.00095	.00366	.00022
%RSD	37.209	.55796	.39148	79.794	42.294	1.2827	4.6641
#1	1008.5	15.736	-4303.0	.00157	-.00178	.28206	-.00487
#2	1543.8	15.767	-4319.0	.00011	-.00335	.28552	-.00452
#3	741.54	15.902	-4285.3	.00193	-.00162	.28938	-.00448
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03057**	**.00495**	**.00214**	**.01074**	**.52013**	**2.1873**
Stddev	.00010	.00063	.00050	.00037	.00120	.0953
%RSD	.31540	12.748	23.477	3.4556	.23107	4.3571
#1	.03046	.00456	.00157	.01073	.51988	2.2953
#2	.03065	.00461	.00248	.01037	.51907	2.1515
#3	.03060	.00568	.00239	.01111	.52143	2.1151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69877.**	**67285.**
Stddev	140.	426.
%RSD	.20055	.63251
#1	69878.	67540.
#2	70017.	67523.
#3	69737.	66794.

Approved: April 04, 2011

Sample Name: L1103083211 Acquired: 4/1/2011 22:00:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04237**	**143.34**	**.25065**	**.16075**	**1.4203**	**.01560**	**75.474**
Stddev	.00039	.23	.00196	.00088	.0067	.00005	.201
%RSD	.92109	.15752	.78091	.54798	.47118	.32206	.26663
#1	.04278	143.08	.25185	.15985	1.4207	.01563	75.353
#2	.04200	143.47	.24839	.16160	1.4134	.01555	75.363
#3	.04233	143.48	.25170	.16081	1.4268	.01564	75.706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03822**	**.16000**	**.27349**	**2.1097**	**395.21**	**11.245**	**.13936**
Stddev	.00021	.00078	.00094	.0118	.40	.045	.00075
%RSD	.55257	.48757	.34517	.56190	.10050	.39687	.53615
#1	.03831	.16055	.27411	2.1180	394.83	11.211	.13870
#2	.03797	.15911	.27241	2.0961	395.62	11.229	.14017
#3	.03836	.16033	.27396	2.1149	395.18	11.295	.13921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.337**	**8.2625**	**.00998**	**1.2130**	**.26261**	F **48762.**	**2.9204**
Stddev	.164	.0166	.00012	.0088	.00115	184.	.0037
%RSD	.54095	.20138	1.2246	.72779	.43895	.37643	.12577
#1	30.216	8.2466	.01008	1.2064	.26270	48909.	2.9218
#2	30.270	8.2611	.00985	1.2095	.26141	48556.	2.9162
#3	30.524	8.2798	.01002	1.2230	.26371	48820.	2.9231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083211 Acquired: 4/1/2011 22:00:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1437.4**	F **146.86**	F **-38309.**	**.03206**	**.00724**	**5.8077**	**.01529**
Stddev	159.3	.64	70.	.00157	.00099	.0173	.00021
%RSD	11.082	.43664	.18396	4.9094	13.685	.29792	1.3435
#1	-1621.2	147.52	-38350.	.03056	.00623	5.8215	.01529
#2	-1350.5	146.24	-38228.	.03191	.00728	5.7883	.01550
#3	-1340.5	146.83	-38350.	.03370	.00821	5.8134	.01509
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51405**	**.13874**	**.01078**	**.35429**	**9.3919**	F **93.264**
Stddev	.00061	.00011	.00076	.00068	.0075	.196
%RSD	.11823	.07779	7.0637	.19122	.07971	.21049
#1	.51335	.13862	.01021	.35464	9.3997	93.039
#2	.51442	.13883	.01164	.35351	9.3847	93.355
#3	.51439	.13876	.01048	.35472	9.3914	93.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64179.**	**68283.**
Stddev	232.	178.
%RSD	.36220	.26052
#1	63911.	68139.
#2	64331.	68228.
#3	64295.	68482.

Approved: April 04, 2011

Sample Name: L1103083212 Acquired: 4/1/2011 22:03:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04388**	**147.34**	**.23092**	**.14745**	**1.6038**	**.01417**	**58.793**
Stddev	.00054	.88	.00136	.00779	.0059	.00006	.188
%RSD	1.2345	.59467	.59026	5.2806	.36507	.44141	.32059
#1	.04394	148.31	.23159	.14147	1.5970	.01423	58.576
#2	.04438	147.09	.22935	.15625	1.6074	.01411	58.902
#3	.04331	146.61	.23182	.14462	1.6070	.01418	58.903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04728**	**.09729**	**.22858**	**.63126**	**332.36**	**19.140**	**.16515**
Stddev	.00015	.00039	.00156	.00316	11.82	.059	.00175
%RSD	.31841	.39902	.68347	.50138	3.5566	.30640	1.0573
#1	.04745	.09773	.23034	.63487	322.06	19.075	.16714
#2	.04724	.09712	.22736	.62898	345.27	19.190	.16448
#3	.04715	.09702	.22805	.62992	329.77	19.155	.16385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.250**	**6.7003**	**.00789**	**.58582**	**.28138**	F **95547.**	**2.9715**
Stddev	.260	.0184	.00043	.00777	.00109	321.	.0100
%RSD	.68030	.27382	5.4315	1.3262	.38798	.33555	.33746
#1	38.021	6.6842	.00821	.58934	.28264	95917.	2.9821
#2	38.197	6.6965	.00805	.59121	.28076	95368.	2.9621
#3	38.533	6.7203	.00740	.57691	.28074	95355.	2.9702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083212 Acquired: 4/1/2011 22:03:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2259.9**	F **239.91**	F **-96721.**	**.03584**	**.00744**	**6.5184**	**.04896**
Stddev	845.9	1.01	46.	.00150	.00129	.0093	.00056
%RSD	37.433	.41944	.04717	4.1961	17.296	.14205	1.1514
#1	-3196.9	241.07	-96739.	.03446	.00783	6.5279	.04904
#2	-1552.3	239.33	-96756.	.03561	.00849	6.5094	.04948
#3	-2030.6	239.31	-96670.	.03744	.00600	6.5179	.04836
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37833**	**.16771**	**.00580**	**.27565**	**11.229**	F **89.127**
Stddev	.00052	.00072	.00061	.00113	.045	1.013
%RSD	.13648	.42878	10.484	.41050	.40477	1.1360
#1	.37798	.16789	.00582	.27696	11.280	89.816
#2	.37892	.16832	.00640	.27492	11.192	89.600
#3	.37808	.16692	.00518	.27508	11.216	87.964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65079.**	**68590.**
Stddev	190.	345.
%RSD	.29214	.50300
#1	64860.	68969.
#2	65178.	68505.
#3	65200.	68295.

Approved: April 04, 2011

Sample Name: L1103083213 Acquired: 4/1/2011 22:07:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04860**	**149.27**	**.28490**	**.14862**	**1.6513**	**.01496**	**48.115**
Stddev	.00036	1.00	.00162	.00280	.0080	.00007	.231
%RSD	.74443	.66955	.56757	1.8862	.48558	.46607	.47994
#1	.04850	148.51	.28396	.14619	1.6422	.01492	47.852
#2	.04831	150.40	.28399	.14798	1.6540	.01492	48.286
#3	.04901	148.89	.28677	.15168	1.6575	.01504	48.207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05651**	**.10317**	**.23582**	**.71981**	**350.40**	**14.363**	**.15936**
Stddev	.00013	.00023	.00008	.00109	5.88	.062	.00072
%RSD	.23127	.22391	.03257	.15207	1.6784	.42973	.45021
#1	.05646	.10308	.23576	.71994	345.73	14.294	.15862
#2	.05641	.10300	.23580	.71865	348.45	14.381	.15941
#3	.05666	.10344	.23591	.72083	357.00	14.413	.16005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.964**	**7.6350**	**.00825**	**.96805**	**.28255**	F **64172.**	**3.9365**
Stddev	.200	.0244	.00021	.00355	.00095	24.	.0061
%RSD	.54045	.32010	2.5707	.36662	.33481	.03762	.15468
#1	36.733	7.6080	.00807	.97114	.28270	64200.	3.9368
#2	37.078	7.6556	.00820	.96885	.28153	64155.	3.9302
#3	37.080	7.6415	.00849	.96418	.28341	64162.	3.9424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083213 Acquired: 4/1/2011 22:07:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2268.5**	F **155.00**	F **-57061.**	**.04441**	**.00791**	**6.5162**	**.02402**
Stddev	293.1	.50	90.	.00137	.00066	.0067	.00012
%RSD	12.921	.32396	.15701	3.0749	8.3466	.10323	.48679
#1	-2352.9	155.33	-57121.	.04508	.00785	6.5232	.02404
#2	-1942.4	154.42	-56958.	.04284	.00728	6.5098	.02390
#3	-2510.2	155.25	-57104.	.04532	.00859	6.5158	.02413
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35100**	**.15994**	**.00788**	**.28786**	**13.056**	F **81.613**
Stddev	.00119	.00028	.00101	.00159	.030	.189
%RSD	.33922	.17748	12.837	.55327	.23334	.23153
#1	.34982	.16002	.00886	.28897	13.039	81.406
#2	.35220	.15963	.00684	.28604	13.039	81.777
#3	.35096	.16018	.00795	.28859	13.092	81.657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64920.**	**68710.**
Stddev	93.	115.
%RSD	.14341	.16711
#1	64887.	68713.
#2	65025.	68594.
#3	64848.	68824.

Approved: April 04, 2011

Sample Name: L1103083214S Acquired: 4/1/2011 22:10:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23456**	**163.40**	**.48743**	**.16131**	**1.7146**	**.01532**	**46.174**
Stddev	.00045	.49	.00070	.00251	.0067	.00004	.215
%RSD	.19006	.30179	.14286	1.5569	.39313	.28573	.46541
#1	.23507	163.95	.48679	.15920	1.7145	.01533	46.102
#2	.23435	163.27	.48817	.16409	1.7079	.01528	46.005
#3	.23426	162.99	.48731	.16064	1.7214	.01536	46.416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08491**	**.09862**	**.26485**	**1.0138**	**377.25**	**14.516**	**.17623**
Stddev	.00039	.00047	.00051	.0034	3.45	.061	.00149
%RSD	.46156	.48135	.19414	.33634	.91513	.42002	.84789
#1	.08464	.09820	.26542	1.0112	375.57	14.479	.17466
#2	.08536	.09913	.26442	1.0177	381.22	14.483	.17764
#3	.08474	.09852	.26473	1.0126	374.96	14.587	.17638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.428**	**6.8578**	**.00934**	**1.0441**	**.28891**	F **62346.**	**4.5240**
Stddev	.057	.0086	.00004	.0037	.00080	279.	.0084
%RSD	.14788	.12472	.39377	.35112	.27703	.44782	.18639
#1	38.394	6.8501	.00932	1.0403	.28826	62278.	4.5170
#2	38.396	6.8562	.00933	1.0477	.28981	62653.	4.5334
#3	38.494	6.8670	.00939	1.0444	.28867	62107.	4.5215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083214S Acquired: 4/1/2011 22:10:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1953.4**	F **144.19**	F **-52485.**	**.05016**	**.00923**	**7.5716**	**.01647**
Stddev	144.4	.64	85.	.00219	.00267	.0211	.00038
%RSD	7.3921	.44186	.16216	4.3736	28.909	.27924	2.2857
#1	-2082.4	144.04	-52473.	.04934	.00874	7.5669	.01604
#2	-1797.4	144.89	-52576.	.04849	.00684	7.5948	.01662
#3	-1980.4	143.65	-52407.	.05264	.01211	7.5533	.01674
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34023**	**.19868**	**.00803**	**.31446**	**14.902**	F **89.299**
Stddev	.00119	.00084	.00060	.00043	.064	.270
%RSD	.34986	.42314	7.4135	.13619	.42786	.30206
#1	.33965	.19829	.00802	.31397	14.828	89.048
#2	.33944	.19810	.00864	.31466	14.941	89.263
#3	.34160	.19964	.00745	.31476	14.936	89.584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65240.**	**68361.**
Stddev	75.	291.
%RSD	.11440	.42534
#1	65268.	68034.
#2	65156.	68460.
#3	65297.	68590.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 22:14:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40390**	**10.171**	**.40036**	**.49873**	**1.0158**	**.04985**	**10.147**
Stddev	.00118	.047	.00188	.00086	.0048	.00004	.056
%RSD	.29222	.46237	.46908	.17308	.47299	.07116	.54950
#1	.40281	10.205	.40112	.49917	1.0103	.04982	10.086
#2	.40515	10.118	.39822	.49773	1.0186	.04989	10.196
#3	.40374	10.191	.40174	.49928	1.0186	.04983	10.159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05084**	**.20419**	**.50596**	**.50900**	**4.1608**	**51.306**	**1.0095**
Stddev	.00014	.00031	.00114	.00143	.0195	.262	.0032
%RSD	.27046	.15294	.22584	.28106	.46850	.51019	.31849
#1	.05100	.20442	.50702	.51028	4.1383	51.006	1.0059
#2	.05074	.20383	.50475	.50745	4.1719	51.484	1.0121
#3	.05078	.20431	.50610	.50927	4.1722	51.428	1.0105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.522**	**.51254**	**1.0635**	**50.833**	**.51372**	F **48.785**	**.51627**
Stddev	.038	.00181	.0011	.206	.00094	29.791	.00142
%RSD	.36250	.35279	.10249	.40440	.18300	61.065	.27501
#1	10.483	.51075	1.0641	50.629	.51431	82.462	.51601
#2	10.560	.51437	1.0642	51.040	.51263	25.874	.51500
#3	10.522	.51251	1.0623	50.829	.51421	38.020	.51781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 22:14:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360303-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1096.0**	**10.362**	F **33.219**	**1.2689**	**.40097**	F **2.2254**	**1.0747**
Stddev	650.6	.064	4.657	.0032	.00025	.0045	.0018
%RSD	59.356	.62205	14.019	.25228	.06257	.19987	.16968
#1	833.46	10.328	28.204	1.2726	.40118	2.2306	1.0749
#2	617.82	10.320	34.048	1.2674	.40069	2.2227	1.0728
#3	1836.9	10.436	37.407	1.2668	.40105	2.2230	1.0764
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0041**	**1.0679**	**.52080**	**1.0084**	**1.0206**	**.98625**
Stddev	.0037	.0040	.00350	.0009	.0009	.11570
%RSD	.37124	.37955	.67113	.08713	.09232	11.731
#1	1.0000	1.0647	.52475	1.0084	1.0216	1.1198
#2	1.0073	1.0725	.51812	1.0076	1.0197	.91707
#3	1.0050	1.0665	.51952	1.0093	1.0205	.92187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66669.**	**64953.**
Stddev	88.	538.
%RSD	.13163	.82897
#1	66695.	65574.
#2	66741.	64665.
#3	66571.	64620.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 22:18:04 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00665**	**.00018**	**.00123**	**-.00002**	**.00000**	**.00539**
Stddev	.00022	.00109	.00066	.00024	.00016	.00002	.00569
%RSD	142.97	16.349	361.77	19.764	685.86	530.16	105.56
#1	-.00033	.00787	-.00044	.00146	-.00021	-.00002	.00453
#2	-.00021	.00627	.00088	.00126	.00004	.00001	.00018
#3	.00009	.00580	.00010	.00098	.00010	.00002	.01146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00008**	**.00018**	**.00051**	**.01354**	**.07724**	**-.00077**
Stddev	.00006	.00006	.00014	.00014	.00186	.01913	.00137
%RSD	404.34	82.290	81.904	27.065	13.766	24.769	177.33
#1	-.00007	-.00010	.00005	.00064	.01551	.09141	.00005
#2	.00004	-.00012	.00015	.00051	.01180	.08482	-.00001
#3	-.00002	.00000	.00033	.00037	.01332	.05548	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01466**	**.00023**	**.00020**	**-.00269**	**.00003**	F **45.187**	**.00021**
Stddev	.00119	.00009	.00006	.00269	.00017	41.369	.00118
%RSD	8.1318	40.699	32.329	100.16	607.05	91.550	566.09
#1	-.01439	.00033	.00020	-.00369	.00004	60.003	-.00093
#2	-.01362	.00017	.00013	.00036	.00019	77.108	.00143
#3	-.01596	.00018	.00026	-.00474	-.00015	-1.5494	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 22:18:04 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **687.74**	F **-.01696**	F **10.686**	**.00021**	**-.00084**	**.00388**	**.00029**
Stddev	458.71	.00646	14.052	.00073	.00071	.00326	.00024
%RSD	66.697	38.083	131.50	346.56	84.225	83.918	84.328
#1	1172.7	-.01531	-2.8129	-.00060	-.00112	.00451	.00010
#2	629.75	-.02409	9.6386	.00043	-.00003	.00036	.00020
#3	260.79	-.01149	25.232	.00080	-.00136	.00678	.00056
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00084**	**.00004**	**-.00001**	**.00019**	F **-.23750**
Stddev	.00003	.00034	.00090	.00027	.00003	.21757
%RSD	25.807	40.763	2119.3	3159.7	13.422	91.608
#1	.00017	-.00123	-.00088	.00019	.00017	-.02600
#2	.00010	-.00073	.00009	.00010	.00022	-.22583
#3	.00012	-.00057	.00092	-.00031	.00018	-.46067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68043.**	**65058.**
Stddev	93.	522.
%RSD	.13699	.80224
#1	68150.	65601.
#2	68003.	65012.
#3	67976.	64560.

Approved: April 04, 2011

Sample Name: L1103083215SD Acquired: 4/1/2011 22:21:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21690**	**153.80**	**.42323**	**.15640**	**1.6743**	**.01491**	**46.423**
Stddev	.00156	1.69	.00178	.00518	.0075	.00008	.243
%RSD	.71968	1.1000	.42028	3.3125	.44643	.55829	.52269
#1	.21793	152.03	.42518	.15087	1.6828	.01499	46.585
#2	.21766	155.40	.42283	.15720	1.6715	.01482	46.144
#3	.21511	153.96	.42169	.16114	1.6686	.01491	46.540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07327**	**.12238**	**.23939**	**.84997**	**363.38**	**14.964**	**.17060**
Stddev	.00006	.00008	.00084	.00081	6.60	.053	.00032
%RSD	.07803	.06609	.35047	.09555	1.8160	.35311	.18761
#1	.07320	.12235	.23981	.85035	355.85	14.972	.17030
#2	.07331	.12247	.23843	.84904	366.13	14.907	.17055
#3	.07329	.12232	.23995	.85053	368.16	15.012	.17094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.416**	**8.6003**	**.00783**	**.94131**	**.29149**	F **63646.**	**3.4742**
Stddev	.134	.0219	.00014	.00333	.00016	72.	.0011
%RSD	.34959	.25456	1.7454	.35390	.05559	.11238	.03057
#1	38.530	8.6185	.00774	.93895	.29134	63726.	3.4735
#2	38.268	8.5760	.00776	.93987	.29147	63589.	3.4754
#3	38.448	8.6063	.00798	.94512	.29166	63624.	3.4736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083215SD Acquired: 4/1/2011 22:21:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2326.1**	F **146.60**	F **-54058.**	**.03650**	**.00730**	**6.7906**	**.00885**
Stddev	283.2	.13	13.	.00197	.00033	.0077	.00038
%RSD	12.175	.08855	.02472	5.4024	4.5153	.11327	4.2737
#1	-2067.3	146.74	-54057.	.03837	.00757	6.7948	.00860
#2	-2628.7	146.48	-54045.	.03668	.00740	6.7953	.00867
#3	-2282.4	146.59	-54072.	.03444	.00693	6.7817	.00928
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33992**	**.17788**	**.00918**	**.29741**	**11.600**	F **80.601**
Stddev	.00166	.00047	.00065	.00019	.004	.585
%RSD	.48960	.26672	7.0504	.06330	.03153	.72559
#1	.34014	.17820	.00900	.29760	11.604	80.212
#2	.33816	.17734	.00989	.29739	11.596	80.318
#3	.34147	.17811	.00864	.29723	11.601	81.274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65930.**	**69402.**
Stddev	147.	668.
%RSD	.22310	.96273
#1	65769.	68675.
#2	66058.	69989.
#3	65963.	69542.

Approved: April 04, 2011

Sample Name: L1103083216 Acquired: 4/1/2011 22:25:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00735**	**88.637**	**.11644**	**.11907**	**1.2731**	**.00923**
Stddev	.00044	.955	.00302	.00205	.0066	.00007
%RSD	6.0381	1.0774	2.5917	1.7211	.51446	.79916
#1	.00710	88.860	.11950	.12137	1.2720	.00915
#2	.00709	87.589	.11347	.11742	1.2802	.00926
#3	.00786	89.460	.11636	.11843	1.2672	.00930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2129.5**	**.03695**	**.09276**	**.16631**	**.26712**	**272.80**
Stddev	26.8	.00008	.00059	.00068	.00094	3.30
%RSD	1.2582	.21066	.64139	.40836	.35259	1.2084
#1	2128.9	.03695	.09251	.16554	.26693	276.51
#2	2156.6	.03687	.09343	.16656	.26815	271.69
#3	2103.0	.03703	.09232	.16683	.26629	270.21
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.451**	**.38937**	**60.602**	**9.3856**	**.00983**	**1.7110**
Stddev	.037	.00554	.130	.0250	.00025	.0063
%RSD	.27363	1.4225	.21508	.26638	2.5435	.36737
#1	13.492	.39297	60.652	9.4065	.00975	1.7164
#2	13.441	.39214	60.700	9.3923	.01011	1.7125
#3	13.421	.38299	60.454	9.3579	.00962	1.7041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083216 Acquired: 4/1/2011 22:25:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28259	F 78527.	1.1969	F -2420.8	F 3934.2	F -120630.
Stddev	.00063	148.	.0008	160.1	7.4	27.
%RSD	.22221	.18909	.06328	6.6154	.18837	.02227
#1	.28320	78363.	1.1961	-2559.1	3930.4	-120660.
#2	.28264	78566.	1.1974	-2245.3	3942.7	-120610.
#3	.28195	78652.	1.1974	-2458.1	3929.4	-120620.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02339	.01291	8.3204	.00121	F 11.068	.11414
Stddev	.00184	.00272	.0311	.00037	.220	.00050
%RSD	7.8488	21.061	.37393	30.306	1.9891	.44058
#1	.02550	.00983	8.3340	.00080	11.268	.11378
#2	.02219	.01498	8.3423	.00151	11.103	.11471
#3	.02248	.01393	8.2848	.00131	10.832	.11392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00634	.21448	8.3433	F 69.544
Stddev	.00194	.00046	.0175	.398
%RSD	30.583	.21589	.20948	.57267
#1	.00857	.21406	8.3341	69.144
#2	.00501	.21498	8.3635	69.547
#3	.00544	.21439	8.3324	69.941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083216 Acquired: 4/1/2011 22:25:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**55692.**	**64330.**
Stddev	101.	627.
%RSD	.18154	.97463
#1	55755.	63757.
#2	55576.	64232.
#3	55746.	65000.

Approved: April 04, 2011

Sample Name: L1103083217 Acquired: 4/1/2011 22:29:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00649**	**132.46**	**.11458**	**.14641**	**1.4612**	**.01374**	F **1319.4**
Stddev	.00047	.36	.00073	.00137	.0056	.00002	9.7
%RSD	7.1710	.27489	.63371	.93634	.38662	.16599	.73836
#1	.00643	132.62	.11375	.14483	1.4594	.01376	1308.9
#2	.00699	132.72	.11509	.14724	1.4675	.01375	1321.3
#3	.00606	132.04	.11491	.14717	1.4567	.01372	1328.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01516**	**.09860**	**.22725**	**.32617**	**341.87**	**16.389**	**.25927**
Stddev	.00011	.00047	.00040	.00192	1.92	.037	.00103
%RSD	.73230	.47755	.17676	.58714	.56290	.22608	.39824
#1	.01518	.09866	.22689	.32722	339.65	16.351	.25815
#2	.01504	.09810	.22718	.32396	342.97	16.425	.25945
#3	.01526	.09904	.22768	.32732	343.00	16.391	.26019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.577**	**6.7980**	**.00837**	**1.9611**	**.31893**	F **68536.**	**1.0431**
Stddev	.225	.0124	.00008	.0110	.00086	109.	.0017
%RSD	.39703	.18279	.99317	.55838	.27107	.15839	.16076
#1	56.319	6.7853	.00828	1.9605	.31858	68506.	1.0415
#2	56.726	6.8102	.00843	1.9724	.31830	68445.	1.0430
#3	56.687	6.7986	.00841	1.9505	.31992	68656.	1.0449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083217 Acquired: 4/1/2011 22:29:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2520.4**	F **1692.1**	F **-81334.**	**.01531**	**.00835**	**7.2428**	**.00462**
Stddev	226.6	5.6	459.	.00068	.00285	.0106	.00043
%RSD	8.9917	.33106	.56396	4.4564	34.090	.14573	9.2202
#1	-2297.9	1690.4	-81037.	.01559	.00517	7.2354	.00412
#2	-2751.0	1687.6	-81104.	.01580	.00921	7.2381	.00486
#3	-2512.3	1698.4	-81863.	.01453	.01066	7.2549	.00487
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.4771**	**.14418**	**.00802**	**.27369**	**3.7951**	F **87.082**
Stddev	.0989	.00094	.00062	.00080	.0132	.027
%RSD	1.8053	.65499	7.7739	.29372	.34776	.03131
#1	5.3675	.14326	.00824	.27461	3.7899	87.060
#2	5.5597	.14514	.00851	.27313	3.7853	87.075
#3	5.5040	.14414	.00732	.27334	3.8101	87.113
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59740.**	**67066.**
Stddev	144.	184.
%RSD	.24170	.27467
#1	59671.	67256.
#2	59906.	66888.
#3	59644.	67055.

Approved: April 04, 2011

Sample Name: L1103083218 Acquired: 4/1/2011 22:33:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05641**	**128.63**	**.29315**	**.14359**	**1.5326**	**.01273**	**60.960**
Stddev	.00024	1.17	.00090	.00508	.0040	.00009	.152
%RSD	.42179	.90813	.30585	3.5373	.25894	.70751	.24997
#1	.05616	127.68	.29416	.13856	1.5326	.01267	60.903
#2	.05644	129.94	.29284	.14350	1.5287	.01268	60.844
#3	.05663	128.28	.29245	.14872	1.5366	.01283	61.132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05923**	**.08919**	**.23077**	**.68410**	**316.25**	**15.132**	**.13040**
Stddev	.00015	.00028	.00129	.00148	8.06	.052	.00143
%RSD	.25679	.31048	.56022	.21635	2.5475	.34140	1.1001
#1	.05905	.08900	.22949	.68392	308.81	15.085	.13053
#2	.05933	.08907	.23073	.68566	315.13	15.122	.12890
#3	.05931	.08951	.23208	.68271	324.81	15.187	.13176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.230**	**6.9511**	**.01061**	**.68851**	**.23278**	F **108370.**	**3.9002**
Stddev	.252	.0247	.00010	.00686	.00009	263.	.0081
%RSD	.83390	.35516	.93572	.99585	.03808	.24246	.20896
#1	30.076	6.9316	.01058	.69593	.23285	108090.	3.8924
#2	30.094	6.9429	.01072	.68719	.23281	108600.	3.8995
#3	30.521	6.9788	.01054	.68240	.23268	108430.	3.9086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083218 Acquired: 4/1/2011 22:33:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2063.0**	F **233.80**	F **-93245.**	**.04402**	**.00960**	**6.0365**	**.01758**
Stddev	385.8	.43	158.	.00147	.00126	.0128	.00012
%RSD	18.701	.18500	.16963	3.3286	13.141	.21150	.65545
#1	-1986.1	233.36	-93064.	.04499	.01061	6.0242	.01759
#2	-2481.5	234.22	-93319.	.04474	.00819	6.0497	.01769
#3	-1721.5	233.84	-93353.	.04234	.01001	6.0356	.01746
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42072**	**.18935**	**.00834**	**.28265**	**13.236**	F **86.652**
Stddev	.00033	.00157	.00163	.00106	.017	.791
%RSD	.07749	.83081	19.576	.37598	.13016	.91268
#1	.42081	.18759	.00692	.28183	13.226	85.790
#2	.42100	.19061	.01012	.28385	13.226	86.824
#3	.42036	.18985	.00797	.28227	13.256	87.344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66137.**	**69313.**
Stddev	94.	651.
%RSD	.14282	.93937
#1	66245.	69581.
#2	66095.	69787.
#3	66070.	68570.

Approved: April 04, 2011

Sample Name: L1103083219 Acquired: 4/1/2011 22:36:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05708**	**145.40**	**.28685**	**.15079**	**1.6449**	**.01460**	**55.854**
Stddev	.00074	1.34	.00079	.00236	.0038	.00006	.274
%RSD	1.3040	.91948	.27592	1.5629	.22862	.40537	.49017
#1	.05676	144.51	.28701	.14863	1.6452	.01455	55.861
#2	.05655	146.93	.28755	.15331	1.6485	.01459	56.124
#3	.05793	144.74	.28599	.15044	1.6410	.01467	55.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05894**	**.10346**	**.24180**	**.72795**	**347.14**	**16.843**	**.15699**
Stddev	.00021	.00048	.00028	.00172	3.07	.053	.00074
%RSD	.35299	.46595	.11476	.23598	.88299	.31385	.47375
#1	.05870	.10313	.24161	.72607	343.63	16.821	.15757
#2	.05907	.10401	.24212	.72835	349.25	16.903	.15725
#3	.05904	.10323	.24168	.72943	348.55	16.804	.15615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.639**	**7.7840**	**.00956**	**.60325**	**.27391**	F **98382.**	**3.9627**
Stddev	.225	.0224	.00006	.00952	.00025	60.	.0047
%RSD	.61291	.28824	.58571	1.5774	.09071	.06054	.11998
#1	36.472	7.7786	.00962	.60506	.27373	98345.	3.9575
#2	36.894	7.8087	.00950	.61173	.27380	98451.	3.9669
#3	36.550	7.7648	.00956	.59296	.27420	98351.	3.9637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083219 Acquired: 4/1/2011 22:36:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2603.4**	F **229.00**	F **-92181.**	**.04391**	**.01093**	**5.9496**	**.01496**
Stddev	70.1	.41	103.	.00169	.00168	.0099	.00033
%RSD	2.6930	.17827	.11189	3.8527	15.359	.16702	2.1917
#1	-2640.4	228.55	-92073.	.04568	.00900	5.9419	.01458
#2	-2647.3	229.35	-92279.	.04373	.01182	5.9608	.01509
#3	-2522.6	229.10	-92191.	.04231	.01198	5.9462	.01520
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36796**	**.16805**	**.00869**	**.29527**	**13.294**	F **88.252**
Stddev	.00148	.00059	.00053	.00104	.021	.363
%RSD	.40289	.34984	6.0490	.35185	.15845	.41120
#1	.36837	.16811	.00814	.29449	13.300	87.914
#2	.36919	.16860	.00919	.29488	13.270	88.636
#3	.36631	.16743	.00873	.29645	13.311	88.205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65196.**	**69110.**
Stddev	76.	794.
%RSD	.11714	1.1488
#1	65265.	69060.
#2	65211.	68342.
#3	65114.	69928.

Approved: April 04, 2011

Sample Name: L1103083220 Acquired: 4/1/2011 22:40:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14057**	**156.06**	**.40036**	**.17668**	**2.3282**	**.01435**	**206.23**
Stddev	.00096	.97	.00206	.00262	.0077	.00004	.94
%RSD	.67974	.62176	.51413	1.4856	.32961	.31062	.45443
#1	.14061	157.10	.40092	.17579	2.3262	.01439	205.18
#2	.13960	155.90	.40208	.17963	2.3217	.01436	206.98
#3	.14151	155.18	.39808	.17461	2.3366	.01430	206.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09362**	**.16368**	**.24163**	**.97610**	**366.04**	**21.134**	**.17484**
Stddev	.00009	.00013	.00064	.00207	2.28	.086	.00042
%RSD	.09909	.08224	.26441	.21167	.62337	.40473	.24150
#1	.09369	.16381	.24201	.97840	364.18	21.040	.17465
#2	.09364	.16369	.24198	.97549	368.59	21.154	.17532
#3	.09351	.16354	.24089	.97441	365.36	21.207	.17455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.010**	**13.452**	**.00996**	**.87343**	**.35090**	F **118490.**	**5.6323**
Stddev	.238	.057	.00022	.00120	.00154	96.	.0075
%RSD	.59566	.42418	2.1707	.13703	.43829	.08124	.13244
#1	39.748	13.387	.01021	.87263	.35266	118490.	5.6402
#2	40.068	13.474	.00983	.87285	.34983	118590.	5.6312
#3	40.214	13.495	.00984	.87480	.35020	118400.	5.6254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083220 Acquired: 4/1/2011 22:40:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2360.2**	F **333.65**	F **-72668.**	**.05991**	**.01147**	**7.3049**	**.02492**
Stddev	226.8	.45	70.	.00075	.00201	.0270	.00026
%RSD	9.6082	.13606	.09564	1.2526	17.502	.36920	1.0600
#1	-2576.7	334.15	-72719.	.05957	.00949	7.3246	.02462
#2	-2379.5	333.27	-72695.	.05939	.01141	7.3159	.02513
#3	-2124.3	333.52	-72588.	.06077	.01350	7.2742	.02501
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1385**	**.19509**	**.01097**	**.29435**	**18.642**	F **94.922**
Stddev	.0061	.00095	.00122	.00063	.090	.709
%RSD	.53863	.48468	11.161	.21378	.48017	.74644
#1	1.1328	.19401	.01239	.29391	18.731	95.722
#2	1.1450	.19549	.01021	.29408	18.552	94.372
#3	1.1377	.19577	.01032	.29507	18.644	94.673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63617.**	**67598.**
Stddev	176.	271.
%RSD	.27685	.40081
#1	63414.	67865.
#2	63736.	67323.
#3	63699.	67605.

Approved: April 04, 2011

Sample Name: L1103083221 Acquired: 4/1/2011 22:44:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03903**	**165.48**	**.23429**	**.15406**	**2.0840**	**.01551**	**78.747**
Stddev	.00019	1.23	.00085	.00218	.0014	.00004	.307
%RSD	.49552	.74567	.36441	1.4155	.06829	.24481	.38939
#1	.03886	164.10	.23391	.15278	2.0856	.01547	79.055
#2	.03899	165.90	.23368	.15658	2.0836	.01552	78.442
#3	.03924	166.46	.23526	.15282	2.0828	.01554	78.743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07432**	**.12617**	**.25269**	**.64712**	**353.51**	**21.998**	**.18425**
Stddev	.00014	.00018	.00088	.00102	5.05	.042	.00134
%RSD	.18944	.14350	.34895	.15754	1.4296	.19113	.72749
#1	.07430	.12608	.25191	.64595	351.36	22.045	.18514
#2	.07446	.12637	.25252	.64772	359.28	21.964	.18270
#3	.07418	.12604	.25365	.64770	349.88	21.986	.18489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.893**	**9.5985**	**.00792**	**.71966**	**.31793**	F **77274.**	**2.3067**
Stddev	.167	.0339	.00009	.01018	.00112	200.	.0009
%RSD	.41933	.35338	1.0745	1.4144	.35091	.25855	.03752
#1	40.025	9.6123	.00783	.73130	.31860	77314.	2.3058
#2	39.705	9.5598	.00793	.71242	.31856	77450.	2.3075
#3	39.948	9.6233	.00800	.71526	.31664	77057.	2.3070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083221 Acquired: 4/1/2011 22:44:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2459.5**	F **185.58**	F **-58336.**	**.03280**	**.00949**	**6.1714**	**.00635**
Stddev	232.5	.36	77.	.00104	.00375	.0167	.00036
%RSD	9.4535	.19554	.13248	3.1829	39.503	.27131	5.6902
#1	-2283.9	185.68	-58409.	.03392	.00679	6.1785	.00637
#2	-2723.2	185.88	-58344.	.03185	.01377	6.1835	.00598
#3	-2371.4	185.18	-58255.	.03262	.00790	6.1523	.00670
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51014**	**.17487**	**.00880**	**.29987**	**20.212**	F **102.92**
Stddev	.00230	.00060	.00101	.00074	.043	.18
%RSD	.45004	.34450	11.492	.24729	.21116	.17334
#1	.51228	.17519	.00799	.29962	20.206	102.93
#2	.50772	.17524	.00848	.30071	20.257	103.09
#3	.51043	.17417	.00994	.29929	20.173	102.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65045.**	**68366.**
Stddev	86.	442.
%RSD	.13226	.64668
#1	65052.	67868.
#2	64956.	68713.
#3	65128.	68516.

Approved: April 04, 2011

Sample Name: L1103083222 Acquired: 4/1/2011 22:47:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00493**	**84.471**	**.09959**	**.10014**	**1.1743**	**.00731**
Stddev	.00061	.118	.00061	.00061	.0011	.00006
%RSD	12.288	.13996	.61328	.61177	.09279	.75920
#1	.00462	84.518	.10029	.09976	1.1751	.00737
#2	.00454	84.558	.09914	.09981	1.1747	.00732
#3	.00563	84.336	.09935	.10084	1.1731	.00726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**61.755**	**.01516**	**.07863**	**.14850**	**.18291**	**189.05**
Stddev	.227	.00015	.00030	.00075	.00148	.24
%RSD	.36712	.99691	.38156	.50183	.81120	.12894
#1	61.842	.01508	.07872	.14860	.18361	189.14
#2	61.498	.01533	.07887	.14919	.18392	188.77
#3	61.925	.01506	.07830	.14771	.18121	189.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.211**	**.06681**	**19.025**	**4.1327**	**.00971**	**.76182**
Stddev	.039	.00059	.081	.0138	.00014	.00273
%RSD	.34994	.88875	.42420	.33302	1.4594	.35790
#1	11.207	.06706	19.010	4.1312	.00957	.76332
#2	11.175	.06613	18.954	4.1198	.00985	.76346
#3	11.253	.06724	19.113	4.1472	.00972	.75867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083222 Acquired: 4/1/2011 22:47:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.13591	F 87175.	.87791	F -1748.8	F 306.96	F -129690.
Stddev	.00097	295.	.00186	283.3	3.07	282.
%RSD	.71318	.33889	.21135	16.197	.99954	.21750
#1	.13518	87482.	.87931	-1759.6	309.91	-129990.
#2	.13701	87151.	.87862	-2026.5	307.17	-129650.
#3	.13554	86893.	.87581	-1460.3	303.79	-129430.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00849	.00812	6.4777	.00988	.34242	.25929
Stddev	.00110	.00070	.0300	.00024	.00103	.00064
%RSD	12.970	8.6300	.46341	2.4557	.29961	.24686
#1	.00722	.00752	6.5028	.00990	.34302	.25901
#2	.00913	.00795	6.4859	.00963	.34124	.25883
#3	.00913	.00889	6.4445	.01012	.34301	.26002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00469	.21680	2.2831	F 81.177
Stddev	.00088	.00064	.0070	.231
%RSD	18.837	.29371	.30719	.28507
#1	.00367	.21732	2.2870	81.396
#2	.00525	.21699	2.2873	81.200
#3	.00516	.21609	2.2750	80.935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083222 Acquired: 4/1/2011 22:47:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65809.**	**68268.**
Stddev	398.	357.
%RSD	.60509	.52364
#1	65437.	68186.
#2	65761.	68659.
#3	66229.	67959.

Approved: April 04, 2011

Sample Name: L1103083223 Acquired: 4/1/2011 22:51:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00614**	**94.579**	**.12547**	**.10178**	**1.2114**	**.00935**	**41.689**
Stddev	.00007	.339	.00155	.00237	.0033	.00005	.169
%RSD	1.1774	.35792	1.2317	2.3273	.27072	.52567	.40590
#1	.00622	94.230	.12378	.10124	1.2076	.00934	41.560
#2	.00607	94.906	.12583	.09973	1.2131	.00930	41.626
#3	.00613	94.603	.12681	.10438	1.2134	.00940	41.881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01984**	**.12766**	**.17073**	**.18815**	**233.49**	**5.6137**	**.07101**
Stddev	.00009	.00058	.00104	.00101	3.10	.0139	.00212
%RSD	.43234	.45277	.60893	.53742	1.3287	.24688	2.9916
#1	.01986	.12715	.17051	.18714	232.19	5.6235	.06867
#2	.01974	.12753	.16982	.18815	231.26	5.6198	.07281
#3	.01991	.12829	.17186	.18916	237.03	5.5979	.07155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.913**	**6.6172**	**.00918**	**1.4327**	**.15795**	F **58153.**	**1.0238**
Stddev	.087	.0100	.00027	.0092	.00018	82.	.0009
%RSD	.48613	.15091	2.8963	.64227	.11326	.14093	.08924
#1	17.852	6.6095	.00941	1.4223	.15792	58071.	1.0236
#2	17.875	6.6137	.00889	1.4362	.15815	58235.	1.0230
#3	18.013	6.6285	.00922	1.4397	.15779	58154.	1.0248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083223 Acquired: 4/1/2011 22:51:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1152.3**	F **158.85**	F **-62458.**	**.00990**	**.00778**	**5.5875**	**.00782**
Stddev	413.4	1.14	106.	.00092	.00089	.0162	.00024
%RSD	35.873	.71953	.16926	9.3383	11.373	.29011	3.0975
#1	-1628.7	157.73	-62376.	.00896	.00701	5.5767	.00755
#2	-938.39	158.80	-62421.	.00992	.00759	5.6061	.00800
#3	-889.68	160.01	-62577.	.01081	.00875	5.5797	.00793
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25469**	**.22307**	**.00760**	**.26429**	**2.5799**	F **86.584**
Stddev	.00082	.00064	.00084	.00071	.0028	.811
%RSD	.32050	.28470	11.050	.26686	.10941	.93683
#1	.25440	.22235	.00848	.26373	2.5778	86.197
#2	.25406	.22351	.00751	.26405	2.5788	86.039
#3	.25562	.22336	.00681	.26508	2.5831	87.516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65870.**	**67563.**
Stddev	111.	445.
%RSD	.16861	.65834
#1	65906.	67229.
#2	65958.	68068.
#3	65745.	67393.

Approved: April 04, 2011

Sample Name: L1103083224 Acquired: 4/1/2011 22:55:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**99.839**	**.15833**	**.11610**	**1.5978**	**.00964**
Stddev	.00057	.693	.00077	.00218	.0085	.00002
%RSD	9.5858	.69453	.48686	1.8787	.52968	.18367
#1	.00569	99.414	.15745	.11359	1.6038	.00966
#2	.00666	99.464	.15882	.11758	1.6015	.00963
#3	.00565	100.64	.15874	.11712	1.5881	.00964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.271**	**.01617**	**.10505**	**.17678**	**.23926**	**248.57**
Stddev	.389	.00005	.00043	.00081	.00111	2.47
%RSD	.74370	.32548	.40760	.45683	.46394	.99463
#1	52.560	.01614	.10539	.17739	.23973	245.71
#2	52.424	.01614	.10457	.17710	.23800	250.10
#3	51.829	.01623	.10519	.17587	.24006	249.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.726**	**.07419**	**22.448**	**5.2858**	**.01042**	**.70678**
Stddev	.054	.00139	.048	.0075	.00017	.00253
%RSD	.46168	1.8720	.21331	.14198	1.6201	.35761
#1	11.758	.07579	22.415	5.2924	.01031	.70390
#2	11.757	.07337	22.503	5.2872	.01034	.70863
#3	11.664	.07340	22.426	5.2776	.01062	.70780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083224 Acquired: 4/1/2011 22:55:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16266**	F **79533.**	**1.1475**	F **-1761.1**	F **258.25**	F **-108990.**
Stddev	.00053	96.	.0026	574.0	1.29	239.
%RSD	.32419	.12043	.23004	32.591	.49803	.21898
#1	.16226	79480.	1.1471	-2295.8	258.61	-108830.
#2	.16326	79475.	1.1452	-1832.9	256.82	-108870.
#3	.16246	79643.	1.1504	-1154.7	259.32	-109260.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01277**	**.00870**	**6.1191**	**.01020**	**.30834**	**.24959**
Stddev	.00114	.00092	.0054	.00012	.00221	.00098
%RSD	8.9145	10.525	.08777	1.1882	.71645	.39383
#1	.01169	.00964	6.1230	.01024	.31030	.24990
#2	.01396	.00782	6.1130	.01029	.30876	.25038
#3	.01267	.00864	6.1214	.01006	.30594	.24849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00614**	**.27351**	**2.5588**	F **108.36**
Stddev	.00104	.00040	.0030	.12
%RSD	17.000	.14539	.11644	.11025
#1	.00535	.27367	2.5578	108.27
#2	.00733	.27306	2.5622	108.49
#3	.00575	.27381	2.5565	108.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083224 Acquired: 4/1/2011 22:55:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65879.**	**67999.**
Stddev	120.	288.
%RSD	.18281	.42307
#1	65787.	67812.
#2	66015.	67855.
#3	65834.	68330.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 22:58:50 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41268**	**10.295**	**.40582**	**.50751**	**1.0221**	**.05065**	**10.149**
Stddev	.00382	.100	.00164	.00434	.0014	.00042	.033
%RSD	.92468	.97253	.40516	.85583	.14015	.82778	.32569
#1	.41708	10.400	.40625	.51240	1.0206	.05111	10.118
#2	.41069	10.283	.40720	.50605	1.0235	.05055	10.184
#3	.41028	10.201	.40400	.50409	1.0221	.05029	10.147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05136**	**.20698**	**.51244**	**.51716**	**4.1717**	**51.305**	**1.0177**
Stddev	.00016	.00029	.00369	.00070	.0153	.152	.0015
%RSD	.30411	.14093	.72064	.13500	.36738	.29692	.14415
#1	.05145	.20722	.51578	.51744	4.1573	51.131	1.0161
#2	.05146	.20707	.51307	.51767	4.1878	51.414	1.0190
#3	.05118	.20666	.50848	.51636	4.1700	51.370	1.0180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.497**	**.51617**	**1.0684**	**50.891**	**.51955**	F **76.261**	**.52346**
Stddev	.061	.00122	.0007	.141	.00026	52.100	.00108
%RSD	.58522	.23723	.06404	.27609	.05004	68.318	.20653
#1	10.426	.51524	1.0688	50.738	.51928	119.54	.52235
#2	10.534	.51755	1.0677	51.014	.51956	18.433	.52350
#3	10.530	.51571	1.0689	50.920	.51980	90.807	.52451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 22:58:50 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **721.69**	**10.532**	F **14.600**	**1.2757**	**.40471**	F **2.2427**	**1.0886**
Stddev	231.82	.040	4.230	.0038	.00252	.0044	.0017
%RSD	32.121	.37671	28.972	.29844	.62346	.19770	.15268
#1	456.55	10.488	16.026	1.2759	.40201	2.2377	1.0899
#2	822.47	10.546	17.932	1.2794	.40701	2.2462	1.0892
#3	886.06	10.563	9.8410	1.2718	.40511	2.2442	1.0867
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0081**	**1.0739**	**.52566**	**1.0291**	**1.0369**	**1.0166**
Stddev	.0028	.0021	.00116	.0074	.0010	.2792
%RSD	.27387	.19089	.22131	.71746	.09781	27.469
#1	1.0067	1.0719	.52688	1.0376	1.0371	1.2338
#2	1.0113	1.0760	.52553	1.0254	1.0378	1.1143
#3	1.0063	1.0737	.52457	1.0242	1.0358	.70158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65938.**	**66452.**
Stddev	12.	610.
%RSD	.01838	.91733
#1	65928.	67126.
#2	65952.	66291.
#3	65935.	65939.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 23:02:11 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00115**	**-.00048**	**.00128**	**.00002**	**.00002**	**-.01057**
Stddev	.00041	.00104	.00073	.00022	.00017	.00001	.00557
%RSD	132.80	90.080	149.63	17.201	1001.1	66.716	52.673
#1	-.00043	-.00233	-.00028	.00127	-.00002	.00003	-.00749
#2	-.00065	-.00077	.00011	.00107	.00021	.00002	-.01700
#3	.00015	-.00036	-.00129	.00151	-.00013	.00001	-.00723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00003**	**.00021**	**.00029**	**.00031**	**.10939**	**-.00313**
Stddev	.00004	.00007	.00025	.00014	.00194	.03213	.00069
%RSD	167.84	220.75	115.47	47.185	626.53	29.370	21.965
#1	.00006	-.00006	-.00005	.00042	.00172	.08226	-.00376
#2	.00003	.00005	.00043	.00015	-.00191	.10103	-.00239
#3	-.00002	-.00009	.00026	.00031	.00112	.14487	-.00325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00977**	**.00030**	**.00041**	**-.00188**	**-.00013**	F **45.016**	**-.00072**
Stddev	.00967	.00015	.00006	.00527	.00006	26.457	.00017
%RSD	98.912	49.135	14.877	280.05	47.590	58.771	23.236
#1	-.01660	.00015	.00043	-.00399	-.00020	57.176	-.00053
#2	.00129	.00031	.00034	.00412	-.00013	14.666	-.00086
#3	-.01401	.00045	.00045	-.00578	-.00007	63.207	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 23:02:11 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1052.1**	F **.03564**	F **-22.324**	**.00069**	**-.00194**	**.00789**	**.00037**
Stddev	218.6	.02529	9.964	.00085	.00108	.00175	.00009
%RSD	20.776	70.956	44.636	122.09	55.657	22.249	24.624
#1	1184.7	.01991	-14.384	-.00005	-.00115	.00784	.00039
#2	1171.7	.06482	-19.083	.00052	-.00150	.00967	.00027
#3	799.78	.02221	-33.506	.00162	-.00318	.00616	.00046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00046**	**-.00001**	**.00020**	**.00002**	**-.05613**
Stddev	.00001	.00034	.00066	.00008	.00006	.10993
%RSD	19.189	73.651	7130.2	42.277	276.17	195.85
#1	.00005	-.00069	-.00060	.00017	-.00002	.05393
#2	.00006	-.00007	-.00013	.00029	.00009	-.16593
#3	.00007	-.00062	.00070	.00014	-.00001	-.05638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67110.**	**64511.**
Stddev	26.	388.
%RSD	.03889	.60180
#1	67110.	64335.
#2	67083.	64243.
#3	67135.	64956.

Approved: April 04, 2011

Sample Name: L1103083225 Acquired: 4/1/2011 23:05:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00573**	**96.813**	**.13893**	**.09554**	**1.6583**	**.00983**	**37.507**
Stddev	.00028	.285	.00174	.00148	.0060	.00006	.110
%RSD	4.9012	.29408	1.2515	1.5461	.36144	.64704	.29338
#1	.00561	96.573	.13782	.09711	1.6537	.00977	37.478
#2	.00552	97.128	.13804	.09534	1.6562	.00982	37.414
#3	.00605	96.739	.14093	.09418	1.6651	.00990	37.628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01637**	**.08680**	**.18969**	**.20950**	**219.73**	**6.6964**	**.06858**
Stddev	.00009	.00044	.00124	.00259	1.69	.0326	.00091
%RSD	.55149	.50153	.65566	1.2348	.76854	.48601	1.3227
#1	.01634	.08686	.18830	.20740	221.60	6.6607	.06786
#2	.01630	.08634	.19008	.20872	219.28	6.7040	.06960
#3	.01647	.08720	.19069	.21239	218.31	6.7245	.06827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.076**	**4.7594**	**.00966**	**.78303**	**.14980**	F **56879.**	**1.0051**
Stddev	.132	.0062	.00021	.00254	.00106	272.	.0035
%RSD	.68934	.12932	2.1719	.32472	.71052	.47830	.34623
#1	18.966	4.7581	.00989	.78585	.14931	56735.	1.0018
#2	19.040	4.7540	.00948	.78235	.14908	56708.	1.0047
#3	19.222	4.7661	.00960	.78091	.15103	57192.	1.0087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083225 Acquired: 4/1/2011 23:05:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1465.9**	F **143.73**	F **-56924.**	**.01285**	**.00853**	**5.3169**	**.01059**
Stddev	423.3	.85	334.	.00056	.00144	.0346	.00027
%RSD	28.876	.59439	.58649	4.3810	16.862	.65104	2.5520
#1	-1600.9	143.11	-56721.	.01223	.00699	5.2787	.01029
#2	-991.51	143.37	-56743.	.01333	.00984	5.3257	.01065
#3	-1805.1	144.71	-57310.	.01300	.00877	5.3462	.01082
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25250**	**.24775**	**.00757**	**.26917**	**2.1248**	F **91.773**
Stddev	.00063	.00043	.00078	.00083	.0085	.599
%RSD	.25002	.17409	10.250	.30869	.40196	.65220
#1	.25321	.24773	.00797	.26836	2.1189	91.133
#2	.25203	.24820	.00668	.26913	2.1208	91.867
#3	.25224	.24734	.00806	.27002	2.1346	92.319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65565.**	**67171.**
Stddev	174.	216.
%RSD	.26607	.32220
#1	65622.	66984.
#2	65704.	67408.
#3	65370.	67121.

Approved: April 04, 2011

Sample Name: L1103083226 Acquired: 4/1/2011 23:09:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**91.994**	**.08658**	**.09485**	**1.5863**	**.00759**
Stddev	.00043	1.087	.00007	.00043	.0030	.00002
%RSD	8.7517	1.1815	.07725	.45145	.18914	.21789
#1	.00490	91.864	.08658	.09521	1.5867	.00760
#2	.00454	90.978	.08651	.09438	1.5831	.00757
#3	.00541	93.140	.08665	.09496	1.5891	.00760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.398**	**.01275**	**.07681**	**.16026**	**.16414**	**182.00**
Stddev	.057	.00015	.00014	.00051	.00043	.61
%RSD	.11123	1.1588	.17757	.31856	.25907	.33402
#1	51.382	.01282	.07676	.16044	.16463	181.83
#2	51.350	.01285	.07670	.15968	.16395	181.50
#3	51.461	.01258	.07696	.16066	.16385	182.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.213**	**.06636**	**17.078**	**4.5331**	**.00888**	**.69642**
Stddev	.027	.00161	.097	.0060	.00013	.00659
%RSD	.23975	2.4231	.56575	.13257	1.4447	.94616
#1	11.241	.06466	17.031	4.5291	.00885	.70337
#2	11.210	.06654	17.013	4.5302	.00901	.69562
#3	11.187	.06786	17.189	4.5400	.00876	.69026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083226 Acquired: 4/1/2011 23:09:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11873**	F **83275.**	**.83485**	F **-1406.3**	F **284.47**	F **-122260.**
Stddev	.00052	245.	.00308	189.5	.66	363.
%RSD	.44108	.29371	.36920	13.478	.23263	.29670
#1	.11866	83556.	.83840	-1616.3	284.90	-122670.
#2	.11929	83158.	.83321	-1354.9	283.71	-121960.
#3	.11825	83111.	.83293	-1247.8	284.80	-122160.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00938**	**.00883**	**6.0314**	**.00857**	**.32264**	**.30510**
Stddev	.00113	.00259	.0067	.00006	.00029	.00107
%RSD	12.048	29.323	.11090	.73317	.08979	.34961
#1	.00815	.00881	6.0391	.00861	.32271	.30416
#2	.00960	.00625	6.0284	.00860	.32290	.30488
#3	.01038	.01143	6.0267	.00850	.32233	.30626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00430**	**.24159**	**2.0228**	F **93.007**
Stddev	.00042	.00049	.0049	.411
%RSD	9.6530	.20358	.24050	.44226
#1	.00440	.24172	2.0284	92.533
#2	.00466	.24104	2.0194	93.270
#3	.00385	.24200	2.0206	93.218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083226 Acquired: 4/1/2011 23:09:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65372.**	**66190.**
Stddev	208.	231.
%RSD	.31838	.34928
#1	65133.	66062.
#2	65479.	66457.
#3	65506.	66051.

Approved: April 04, 2011

Sample Name: L1103083227 Acquired: 4/1/2011 23:13:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**87.641**	**.08594**	**.09793**	**1.1588**	**.00824**
Stddev	.00032	.878	.00073	.00156	.0029	.00005
%RSD	7.4926	1.0016	.85421	1.5946	.25344	.61782
#1	.00406	87.533	.08558	.09738	1.1598	.00828
#2	.00468	86.822	.08545	.09671	1.1555	.00818
#3	.00423	88.568	.08678	.09969	1.1611	.00825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.109**	**.01088**	**.09797**	**.15601**	**.17559**	**212.46**
Stddev	.151	.00001	.00044	.00108	.00080	.64
%RSD	.36821	.05446	.44574	.68977	.45328	.30126
#1	41.188	.01088	.09766	.15592	.17539	212.52
#2	40.935	.01089	.09777	.15498	.17491	211.79
#3	41.205	.01089	.09847	.15712	.17646	213.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.8633**	**.07055**	**20.825**	**4.6329**	**.00882**	**.57187**
Stddev	.0327	.00114	.027	.0016	.00034	.00681
%RSD	.47701	1.6166	.13012	.03497	3.8859	1.1911
#1	6.8909	.07176	20.812	4.6345	.00900	.56780
#2	6.8272	.06950	20.808	4.6313	.00842	.56808
#3	6.8720	.07040	20.857	4.6328	.00903	.57973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083227 Acquired: 4/1/2011 23:13:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15823**	F **74222.**	**.61171**	F **-487.84**	F **237.49**	F **-102880.**
Stddev	.00046	162.	.00271	56.68	.88	57.
%RSD	.29059	.21836	.44358	11.618	.37207	.05565
#1	.15787	74084.	.60895	-426.58	237.94	-102940.
#2	.15807	74183.	.61180	-538.41	236.47	-102870.
#3	.15875	74401.	.61438	-498.53	238.05	-102830.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00927**	**.00778**	**5.7980**	**.00648**	**.24621**	**.23403**
Stddev	.00269	.00161	.0129	.00012	.00073	.00089
%RSD	29.051	20.697	.22286	1.8530	.29845	.38168
#1	.00656	.00595	5.8071	.00635	.24669	.23496
#2	.01195	.00837	5.7832	.00659	.24537	.23318
#3	.00930	.00900	5.8036	.00648	.24658	.23396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00441**	**.22526**	**1.6691**	F **85.424**
Stddev	.00068	.00098	.0022	.610
%RSD	15.389	.43407	.12924	.71464
#1	.00519	.22635	1.6705	84.862
#2	.00391	.22446	1.6666	85.337
#3	.00415	.22499	1.6702	86.073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083227 Acquired: 4/1/2011 23:13:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65590.**	**66561.**
Stddev	211.	351.
%RSD	.32191	.52678
#1	65373.	66158.
#2	65795.	66730.
#3	65600.	66795.

Approved: April 04, 2011

Sample Name: L1103083228 Acquired: 4/1/2011 23:16:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**118.87**	**.10561**	**.13596**	**1.3557**	**.01137**	**38.863**
Stddev	.00032	.83	.00171	.00125	.0064	.00002	.149
%RSD	7.1318	.70026	1.6219	.92064	.47020	.19079	.38386
#1	.00490	118.55	.10365	.13571	1.3628	.01135	39.003
#2	.00430	118.24	.10683	.13486	1.3505	.01139	38.706
#3	.00440	119.81	.10635	.13732	1.3537	.01135	38.879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.16741**	**.20295**	**.20337**	**311.49**	**6.8375**	**.10680**
Stddev	.00011	.00069	.00037	.00204	2.56	.0213	.00143
%RSD	1.0656	.41168	.18362	1.0029	.82139	.31188	1.3407
#1	.01029	.16668	.20252	.20113	311.55	6.8608	.10515
#2	.01036	.16805	.20319	.20511	308.90	6.8330	.10771
#3	.01051	.16749	.20314	.20388	314.02	6.8188	.10754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.052**	**7.1850**	**.00969**	**.92602**	**.22722**	F **56855.**	**.57901**
Stddev	.121	.0126	.00010	.00288	.00053	218.	.00032
%RSD	.43031	.17597	1.0733	.31132	.23476	.38383	.05542
#1	28.155	7.1964	.00981	.92462	.22690	56603.	.57876
#2	27.919	7.1714	.00961	.92933	.22784	56988.	.57937
#3	28.082	7.1873	.00966	.92410	.22693	56974.	.57891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083228 Acquired: 4/1/2011 23:16:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-380.33**	F **150.76**	F **-59327.**	**.00807**	**.00916**	**5.7421**	**.00722**
Stddev	587.71	.90	67.	.00137	.00093	.0268	.00008
%RSD	154.53	.59533	.11233	16.931	10.160	.46632	1.1744
#1	281.12	149.81	-59262.	.00743	.00876	5.7346	.00725
#2	-842.47	151.59	-59323.	.00714	.00850	5.7200	.00729
#3	-579.63	150.89	-59395.	.00964	.01022	5.7719	.00713
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25355**	**.22516**	**.00791**	**.29857**	**1.4451**	F **102.93**
Stddev	.00022	.00017	.00063	.00030	.0007	.84
%RSD	.08785	.07490	8.0191	.10037	.05040	.82064
#1	.25380	.22536	.00748	.29839	1.4444	102.03
#2	.25336	.22508	.00864	.29892	1.4451	103.70
#3	.25349	.22506	.00761	.29840	1.4459	103.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65380.**	**66067.**
Stddev	94.	522.
%RSD	.14389	.79060
#1	65485.	65551.
#2	65304.	66595.
#3	65350.	66056.

Approved: April 04, 2011

Sample Name: L1103083232 Acquired: 4/1/2011 23:20:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00402**	**115.95**	**.10579**	**.14590**	**1.2063**	**.01218**	**34.822**
Stddev	.00010	.81	.00167	.00293	.0020	.00001	.015
%RSD	2.4361	.69506	1.5825	2.0063	.16446	.09861	.04208
#1	.00409	116.51	.10669	.14386	1.2086	.01217	34.807
#2	.00407	116.32	.10386	.14925	1.2057	.01219	34.824
#3	.00391	115.03	.10683	.14458	1.2047	.01217	34.836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**.16472**	**.19712**	**.17907**	**338.01**	**6.7674**	**.08572**
Stddev	.00008	.00021	.00110	.00090	5.33	.0194	.00093
%RSD	.93706	.12554	.56038	.50408	1.5774	.28631	1.0885
#1	.00824	.16473	.19805	.17853	332.36	6.7692	.08593
#2	.00840	.16492	.19742	.17857	342.95	6.7858	.08653
#3	.00831	.16451	.19590	.18012	338.73	6.7472	.08470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.030**	**5.9941**	**.01043**	**.90419**	**.20175**	F **56713.**	**.54290**
Stddev	.061	.0092	.00018	.01301	.00104	55.	.00244
%RSD	.26387	.15265	1.7088	1.4393	.51508	.09672	.45019
#1	22.962	5.9837	.01064	.89354	.20124	56740.	.54056
#2	23.079	5.9974	.01031	.91869	.20106	56650.	.54272
#3	23.050	6.0011	.01035	.90033	.20294	56749.	.54543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083232 Acquired: 4/1/2011 23:20:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-430.20**	F **146.26**	F **-58408.**	**.00876**	**.00856**	**5.5204**	**.00521**
Stddev	412.74	.07	154.	.00083	.00064	.0134	.00013
%RSD	95.942	.04727	.26381	9.4228	7.5182	.24208	2.4930
#1	-310.16	146.34	-58584.	.00828	.00833	5.5339	.00512
#2	-889.65	146.20	-58336.	.00971	.00929	5.5072	.00514
#3	-90.783	146.26	-58302.	.00828	.00807	5.5201	.00536
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22807**	**.23123**	**.00929**	**.32643**	**1.1584**	F **103.49**
Stddev	.00028	.00087	.00066	.00083	.0016	.86
%RSD	.12391	.37640	7.1119	.25578	.13433	.83056
#1	.22779	.23023	.00892	.32577	1.1578	104.02
#2	.22835	.23164	.01005	.32737	1.1602	103.95
#3	.22808	.23182	.00890	.32616	1.1572	102.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64979.**	**66347.**
Stddev	83.	271.
%RSD	.12730	.40891
#1	64996.	66527.
#2	64890.	66035.
#3	65053.	66481.

Approved: April 04, 2011

Sample Name: L1103083233 Acquired: 4/1/2011 23:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00496**	**74.547**	**.08559**	**.08447**	**1.4659**	**.00759**
Stddev	.00037	.257	.00104	.00024	.0039	.00004
%RSD	7.4696	.34453	1.2159	.28522	.26439	.57135
#1	.00455	74.269	.08613	.08470	1.4691	.00761
#2	.00504	74.776	.08626	.08422	1.4671	.00762
#3	.00528	74.596	.08439	.08450	1.4616	.00754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.342**	**.01094**	**.07852**	**.14806**	**.15963**	**175.22**
Stddev	.170	.00014	.00037	.00063	.00158	.47
%RSD	.38368	1.2445	.47337	.42659	.99049	.26590
#1	44.525	.01085	.07839	.14756	.15887	175.34
#2	44.314	.01110	.07894	.14785	.16145	175.61
#3	44.188	.01088	.07823	.14877	.15858	174.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2381**	**.04788**	**15.190**	**4.6874**	**.00860**	**.47882**
Stddev	.0225	.00051	.050	.0043	.00036	.00587
%RSD	.24377	1.0749	.32921	.09112	4.1510	1.2269
#1	9.2539	.04846	15.135	4.6914	.00864	.48538
#2	9.2482	.04750	15.232	4.6829	.00894	.47705
#3	9.2123	.04767	15.204	4.6878	.00823	.47404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083233 Acquired: 4/1/2011 23:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11075**	F **74083.**	**.85977**	F **-916.75**	F **262.43**	F **-112480.**
Stddev	.00054	76.	.00534	131.02	.58	106.
%RSD	.48420	.10302	.62155	14.292	.21983	.09419
#1	.11014	74159.	.85754	-790.75	262.63	-112540.
#2	.11111	74083.	.86586	-907.23	262.88	-112530.
#3	.11101	74006.	.85589	-1052.3	261.78	-112350.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01024**	**.00992**	**5.9355**	**.00777**	**.27651**	**.30446**
Stddev	.00118	.00037	.0437	.00039	.00125	.00115
%RSD	11.558	3.7487	.73698	5.0777	.45083	.37724
#1	.01044	.01004	5.9749	.00794	.27793	.30317
#2	.01131	.01023	5.9433	.00732	.27561	.30483
#3	.00897	.00951	5.8884	.00806	.27600	.30537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00555**	**.24276**	**1.6001**	F **88.211**
Stddev	.00033	.00027	.0028	.274
%RSD	5.9186	.11218	.17720	.31115
#1	.00550	.24300	1.6001	88.011
#2	.00590	.24247	1.6029	88.097
#3	.00525	.24282	1.5972	88.524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083233 Acquired: 4/1/2011 23:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65545.**	**67529.**
Stddev	111.	140.
%RSD	.17001	.20703
#1	65504.	67619.
#2	65459.	67368.
#3	65671.	67600.

Approved: April 04, 2011

Sample Name: L1103083234 Acquired: 4/1/2011 23:27:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00478**	**100.78**	**.10796**	**.12000**	**1.5823**	**.01053**	**43.221**
Stddev	.00037	.82	.00099	.00147	.0040	.00003	.212
%RSD	7.6555	.81075	.91435	1.2238	.25309	.32152	.49091
#1	.00517	100.71	.10682	.12165	1.5811	.01053	43.098
#2	.00445	99.994	.10851	.11951	1.5791	.01050	43.098
#3	.00472	101.62	.10854	.11884	1.5868	.01057	43.466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01190**	**.14700**	**.19766**	**.18251**	**263.40**	**6.1495**	**.06620**
Stddev	.00009	.00041	.00021	.00136	2.12	.0089	.00053
%RSD	.79515	.28131	.10807	.74562	.80306	.14482	.80042
#1	.01200	.14747	.19752	.18353	265.54	6.1394	.06674
#2	.01187	.14685	.19790	.18305	263.35	6.1531	.06568
#3	.01182	.14669	.19755	.18097	261.31	6.1561	.06618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.608**	**7.3345**	**.00958**	**.89565**	**.16259**	F **52335.**	**1.0901**
Stddev	.089	.0157	.00021	.01270	.00090	140.	.0028
%RSD	.45626	.21391	2.1818	1.4185	.55277	.26743	.25646
#1	19.524	7.3232	.00938	.88246	.16285	52426.	1.0904
#2	19.596	7.3279	.00956	.89668	.16333	52404.	1.0928
#3	19.702	7.3524	.00980	.90780	.16159	52174.	1.0872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083234 Acquired: 4/1/2011 23:27:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-663.31**	F **167.60**	F **-65438.**	**.01350**	**.00849**	**5.3461**	**.01004**
Stddev	621.74	1.04	81.	.00147	.00222	.0195	.00026
%RSD	93.732	.62234	.12308	10.858	26.120	.36546	2.5552
#1	-1293.1	168.80	-65422.	.01342	.01015	5.3676	.01032
#2	-49.96	167.00	-65525.	.01500	.00936	5.3294	.00995
#3	-646.87	166.99	-65366.	.01207	.00597	5.3415	.00983
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29535**	**.24500**	**.00830**	**.32390**	**1.4765**	F **102.23**
Stddev	.00098	.00080	.00035	.00094	.0029	.41
%RSD	.33104	.32649	4.2584	.29135	.19310	.40478
#1	.29512	.24418	.00817	.32410	1.4790	102.35
#2	.29450	.24504	.00870	.32287	1.4772	101.77
#3	.29642	.24578	.00804	.32473	1.4734	102.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65206.**	**66339.**
Stddev	189.	280.
%RSD	.29038	.42144
#1	65000.	66277.
#2	65244.	66644.
#3	65373.	66095.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 23:31:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40757**	**10.148**	**.40641**	**.49833**	**1.0069**	**.05048**	**10.131**
Stddev	.00182	.044	.00094	.00151	.0030	.00014	.008
%RSD	.44715	.43459	.23032	.30345	.29806	.28654	.07957
#1	.40786	10.169	.40725	.49826	1.0053	.05053	10.130
#2	.40924	10.178	.40540	.49988	1.0050	.05059	10.139
#3	.40563	10.097	.40660	.49686	1.0103	.05032	10.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05115**	**.20662**	**.51007**	**.51479**	**4.1204**	**51.275**	**1.0047**
Stddev	.00014	.00033	.00094	.00082	.0191	.035	.0027
%RSD	.27569	.15820	.18413	.15960	.46406	.06782	.26730
#1	.05117	.20693	.51012	.51491	4.1307	51.235	1.0051
#2	.05128	.20667	.51097	.51555	4.0983	51.300	1.0018
#3	.05100	.20628	.50910	.51392	4.1320	51.289	1.0071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.606**	**.51660**	**1.0609**	**51.243**	**.51646**	F **73.147**	**.52325**
Stddev	.018	.00028	.0019	.135	.00102	22.909	.00123
%RSD	.17248	.05345	.17745	.26310	.19830	31.320	.23596
#1	10.609	.51669	1.0591	51.215	.51550	84.026	.52308
#2	10.622	.51682	1.0608	51.389	.51754	46.825	.52455
#3	10.586	.51629	1.0628	51.124	.51634	88.589	.52210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/1/2011 23:31:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1658.8**	**10.549**	F **23.081**	**1.2746**	**.40453**	F **2.2356**	**1.0826**
Stddev	133.3	.055	25.518	.0045	.00101	.0009	.0018
%RSD	8.0350	.52375	110.56	.35078	.24990	.03979	.16821
#1	1520.9	10.557	5.6121	1.2780	.40432	2.2352	1.0841
#2	1787.0	10.600	11.266	1.2762	.40562	2.2350	1.0832
#3	1668.4	10.491	52.366	1.2695	.40363	2.2367	1.0806
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0068**	**1.0696**	**.52307**	**1.0135**	**1.0338**	**1.0619**
Stddev	.0017	.0015	.00184	.0034	.0011	.0939
%RSD	.16507	.14023	.35172	.33402	.10319	8.8470
#1	1.0067	1.0692	.52489	1.0137	1.0336	1.1350
#2	1.0085	1.0684	.52311	1.0168	1.0350	.95594
#3	1.0052	1.0713	.52121	1.0101	1.0329	1.0947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65602.**	**63443.**
Stddev	190.	345.
%RSD	.29016	.54390
#1	65647.	63426.
#2	65394.	63107.
#3	65767.	63796.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 23:34:22 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00265**	**-.00009**	**.00086**	**.00008**	**.00001**	**-.01551**
Stddev	.00010	.00040	.00048	.00031	.00006	.00002	.00498
%RSD	37.324	15.120	544.35	35.523	75.327	122.14	32.089
#1	-.00036	-.00238	.00045	.00090	.00015	.00002	-.02120
#2	-.00016	-.00247	-.00023	.00114	.00008	.00003	-.01338
#3	-.00028	-.00311	-.00048	.00054	.00002	.00000	-.01196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00010**	**-.00028**	**.00052**	**.00014**	**.08370**	**-.00127**
Stddev	.00003	.00006	.00027	.00021	.00112	.01419	.00081
%RSD	40.422	56.871	94.255	41.553	788.80	16.959	63.252
#1	-.00004	-.00014	-.00049	.00045	.00002	.07347	-.00037
#2	-.00008	-.00012	-.00038	.00034	.00132	.09990	-.00192
#3	-.00010	-.00004	.00002	.00076	-.00091	.07773	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01004**	**.00012**	**.00028**	**-.01221**	**-.00038**	F **40.167**	**-.00112**
Stddev	.00612	.00029	.00026	.00727	.00018	22.827	.00012
%RSD	60.964	240.94	90.258	59.503	48.348	56.831	10.485
#1	-.00324	.00016	.00007	-.00382	-.00030	66.072	-.00100
#2	-.01178	-.00019	.00021	-.01625	-.00025	31.429	-.00123
#3	-.01511	.00038	.00057	-.01657	-.00059	22.999	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/1/2011 23:34:22 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1941.2**	**.00748**	F **-13.609**	**.00056**	**-.00181**	**.00544**	**-.00002**
Stddev	216.5	.01501	3.782	.00098	.00112	.00312	.00016
%RSD	11.151	200.80	27.788	175.14	62.038	57.250	899.59
#1	2188.3	.00957	-9.6654	.00021	-.00217	.00592	.00002
#2	1784.5	.02133	-17.205	-.00020	-.00271	.00211	-.00020
#3	1851.0	-.00847	-13.957	.00166	-.00055	.00829	.00012
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00133**	**-.00089**	**.00009**	**.00000**	F **-.16167**
Stddev	.00009	.00053	.00078	.00006	.00004	.01847
%RSD	199.49	39.623	86.901	62.213	1353.1	11.425
#1	-.00004	-.00180	-.00012	.00013	-.00004	-.18273
#2	.00014	-.00143	-.00088	.00003	.00004	-.14823
#3	.00003	-.00076	-.00168	.00012	.00001	-.15404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67530.**	**63076.**
Stddev	195.	372.
%RSD	.28924	.58997
#1	67468.	62738.
#2	67749.	63016.
#3	67373.	63475.

Approved: April 04, 2011

Sample Name: PBS A4 Acquired: 4/1/2011 23:38:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00677**	**-.00223**	**.00038**	**.00341**	**.00001**	**.01177**
Stddev	.00025	.00014	.00016	.00031	.00013	.00001	.00701
%RSD	119.60	2.0391	7.0349	81.432	3.8468	77.132	59.565
#1	-.00050	-.00684	-.00240	.00003	.00334	.00002	.00911
#2	-.00001	-.00661	-.00219	.00061	.00333	.00000	.01972
#3	-.00013	-.00686	-.00210	.00051	.00356	.00001	.00648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00049**	**.00066**	**.00016**	**.01047**	**.08784**	**-.00195**
Stddev	.00005	.00009	.00018	.00023	.00150	.02163	.00191
%RSD	34.237	17.923	26.978	138.87	14.281	24.625	98.018
#1	.00009	-.00042	.00081	-.00004	.00945	.10189	.00025
#2	.00018	-.00047	.00046	.00013	.01219	.06293	-.00291
#3	.00015	-.00059	.00070	.00041	.00977	.09870	-.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00467**	**.00035**	**.00033**	**.01159**	**.00029**	F **-71.036**	**-.00010**
Stddev	.01945	.00010	.00016	.00418	.00027	10.859	.00125
%RSD	416.24	27.485	47.066	36.035	96.342	15.287	1263.0
#1	.01520	.00044	.00048	.01476	.00008	-60.073	.00047
#2	-.00556	.00036	.00034	.01316	.00018	-71.247	.00076
#3	-.02366	.00025	.00017	.00686	.00060	-81.788	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS A4 Acquired: 4/1/2011 23:38:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **400.48**	**.25896**	F **-86.508**	**.00264**	**.00005**	**.03996**	**-.00477**
Stddev	289.12	.01688	3.215	.00127	.00004	.00237	.00013
%RSD	72.194	6.5167	3.7165	48.314	85.487	5.9372	2.6320
#1	131.56	.26465	-90.137	.00117	.00004	.04190	-.00464
#2	363.61	.27225	-85.369	.00340	.00001	.04067	-.00489
#3	706.27	.23997	-84.017	.00334	.00009	.03732	-.00479
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00060**	**-.00219**	**-.00018**	**.00498**	F **-.39578**
Stddev	.00007	.00083	.00066	.00006	.00003	.08957
%RSD	73.378	139.20	30.273	36.099	.54826	22.631
#1	.00003	-.00151	-.00288	-.00016	.00495	-.49798
#2	.00018	.00012	-.00157	-.00025	.00499	-.35842
#3	.00009	-.00040	-.00211	-.00012	.00500	-.33094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66161.**	**62741.**
Stddev	55.	560.
%RSD	.08359	.89237
#1	66125.	62095.
#2	66135.	63050.
#3	66225.	63079.

Approved: April 04, 2011

Sample Name: LCSS A4 Acquired: 4/1/2011 23:41:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19420**	**-.00511**	**.19292**	**.00063**	**.00066**	**.00005**	**-.00209**
Stddev	.00075	.00193	.00179	.00052	.00008	.00000	.00970
%RSD	.38833	37.792	.92650	82.705	12.720	5.4222	464.21
#1	.19333	-.00288	.19355	.00056	.00064	.00005	-.00137
#2	.19466	-.00610	.19090	.00015	.00076	.00005	.00723
#3	.19461	-.00634	.19430	.00118	.00059	.00006	-.01213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02473**	**-.00045**	**.00079**	**.26156**	**.00985**	**.05186**	**-.00164**
Stddev	.00002	.00009	.00020	.00032	.00126	.03137	.00006
%RSD	.07759	20.455	25.069	.12294	12.757	60.483	3.4357
#1	.02474	-.00050	.00094	.26191	.01130	.03783	-.00170
#2	.02474	-.00034	.00087	.26148	.00923	.08780	-.00161
#3	.02471	-.00050	.00057	.26128	.00903	.02996	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01107**	**.27135**	**.00037**	**-.00464**	**.00016**	F **-63.869**	**.26971**
Stddev	.00679	.00192	.00016	.00430	.00031	37.009	.00026
%RSD	61.324	.70833	42.498	92.675	189.97	57.946	.09759
#1	-.00361	.26914	.00028	-.00203	.00044	-71.215	.26948
#2	-.01688	.27245	.00055	-.00228	.00022	-96.654	.27000
#3	-.01270	.27248	.00028	-.00960	-.00017	-23.737	.26966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS A4 Acquired: 4/1/2011 23:41:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1716.3**	**.10805**	F **-33.912**	**.00394**	**-.00025**	**.03262**	**-.00514**
Stddev	766.8	.01091	16.297	.00055	.00165	.00218	.00004
%RSD	44.679	10.096	48.056	13.847	663.47	6.6726	.82336
#1	832.10	.09737	-26.699	.00458	-.00158	.03416	-.00510
#2	2117.9	.10761	-52.571	.00362	.00160	.03013	-.00518
#3	2198.9	.11917	-22.467	.00364	-.00077	.03357	-.00513
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00106**	**-.00186**	**-.00009**	**.00347**	F **-.23223**
Stddev	.00009	.00049	.00050	.00023	.00001	.09759
%RSD	108.84	46.391	26.729	266.17	.42403	42.025
#1	-.00001	-.00142	-.00242	.00007	.00347	-.18684
#2	.00008	-.00128	-.00167	.00003	.00349	-.16559
#3	.00018	-.00050	-.00148	-.00035	.00346	-.34425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65641.**	**62892.**
Stddev	66.	252.
%RSD	.10022	.40063
#1	65664.	63171.
#2	65693.	62681.
#3	65567.	62825.

Approved: April 04, 2011

Sample Name: L1103083229 Acquired: 4/1/2011 23:45:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**132.00**	**.11060**	**.14067**	**1.3085**	**.01087**
Stddev	.00007	.85	.00062	.00184	.0027	.00004
%RSD	2.1186	.64705	.55869	1.3092	.20639	.40886
#1	.00338	132.10	.11126	.13913	1.3109	.01086
#2	.00341	131.10	.11004	.14018	1.3056	.01084
#3	.00352	132.80	.11049	.14271	1.3089	.01092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.005**	**.00932**	**.15138**	**.20260**	**.19041**	**296.20**
Stddev	.069	.00011	.00047	.00088	.00084	3.10
%RSD	.14068	1.1798	.30827	.43295	.44322	1.0450
#1	48.961	.00927	.15160	.20303	.19139	293.36
#2	48.969	.00925	.15084	.20159	.18994	295.75
#3	49.084	.00945	.15169	.20319	.18991	299.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.738**	**.10244**	**24.754**	**4.9159**	**.01023**	**.83916**
Stddev	.014	.00090	.097	.0112	.00007	.00503
%RSD	.10143	.87826	.39038	.22855	.65244	.59911
#1	13.741	.10239	24.685	4.9104	.01031	.83572
#2	13.723	.10156	24.713	4.9084	.01023	.83683
#3	13.750	.10336	24.864	4.9288	.01017	.84493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083229 Acquired: 4/1/2011 23:45:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19741**	F **91215.**	**.68515**	F **-851.00**	F **272.73**	F **-117200.**
Stddev	.00074	182.	.00106	83.75	.42	104.
%RSD	.37384	.19953	.15427	9.8413	.15502	.08877
#1	.19826	91399.	.68637	-887.23	272.99	-117320.
#2	.19695	91210.	.68450	-910.53	272.25	-117170.
#3	.19702	91035.	.68458	-755.23	272.97	-117120.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00742**	**.00661**	**6.5770**	**.01053**	**.29512**	**.23215**
Stddev	.00090	.00152	.0135	.00034	.00060	.00097
%RSD	12.076	22.992	.20499	3.2095	.20301	.41765
#1	.00832	.00500	6.5908	.01092	.29516	.23313
#2	.00740	.00802	6.5763	.01028	.29450	.23119
#3	.00653	.00682	6.5639	.01041	.29570	.23213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00669**	**.32120**	**1.6390**	F **108.72**
Stddev	.00124	.00067	.0020	.16
%RSD	18.576	.20999	.12103	.14899
#1	.00806	.32182	1.6412	108.57
#2	.00638	.32048	1.6373	108.70
#3	.00563	.32130	1.6386	108.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083229 Acquired: 4/1/2011 23:45:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64866.**	**66691.**
Stddev	65.	322.
%RSD	.10021	.48223
#1	64838.	66816.
#2	64940.	66930.
#3	64819.	66325.

Approved: April 04, 2011

Sample Name: L1103083230S Acquired: 4/1/2011 23:48:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18656**	**162.04**	**.27393**	**.13845**	**1.2857**	**.01064**
Stddev	.00053	.89	.00074	.00131	.0030	.00001
%RSD	.28514	.55006	.26866	.94754	.23419	.07959
#1	.18603	162.74	.27464	.13776	1.2878	.01065
#2	.18655	161.03	.27398	.13997	1.2822	.01063
#3	.18710	162.34	.27317	.13763	1.2870	.01064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.864**	**.03116**	**.10444**	**.22534**	**.41928**	**262.87**
Stddev	.171	.00002	.00015	.00020	.00056	2.89
%RSD	.36509	.07662	.14593	.08754	.13363	1.1003
#1	46.987	.03113	.10435	.22556	.41987	259.91
#2	46.669	.03118	.10434	.22527	.41876	265.69
#3	46.937	.03117	.10461	.22518	.41920	263.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.547**	**.13315**	**27.102**	**4.0506**	**.00919**	**.98943**
Stddev	.027	.00117	.050	.0073	.00002	.00850
%RSD	.16578	.87768	.18463	.18058	.17311	.85936
#1	16.551	.13185	27.080	4.0497	.00919	.99604
#2	16.517	.13411	27.067	4.0437	.00917	.97984
#3	16.571	.13349	27.159	4.0583	.00920	.99242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083230S Acquired: 4/1/2011 23:48:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20587	F 82052.	.75482	F -964.27	F 254.93	F -108640.
Stddev	.00059	156.	.00100	1051.6	.55	41.
%RSD	.28493	.19067	.13274	109.05	.21586	.03771
#1	.20586	81966.	.75593	-2112.3	255.57	-108670.
#2	.20647	82233.	.75458	-47.79	254.67	-108640.
#3	.20529	81958.	.75397	-732.72	254.57	-108590.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00778	.00773	8.0680	.00844	.29126	.34015
Stddev	.00341	.00247	.0171	.00030	.00111	.00109
%RSD	43.866	31.934	.21233	3.6004	.38153	.32010
#1	.00437	.00525	8.0834	.00862	.29244	.34097
#2	.00777	.00775	8.0710	.00861	.29024	.33892
#3	.01120	.01019	8.0496	.00809	.29109	.34056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00635	.32342	1.4413	F 113.09
Stddev	.00078	.00046	.0019	.49
%RSD	12.343	.14302	.13128	.43165
#1	.00549	.32344	1.4397	113.64
#2	.00703	.32387	1.4434	112.71
#3	.00652	.32295	1.4408	112.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083230S Acquired: 4/1/2011 23:48:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64571.**	**65280.**
Stddev	75.	145.
%RSD	.11587	.22243
#1	64594.	65125.
#2	64487.	65304.
#3	64631.	65412.

Approved: April 04, 2011

Sample Name: L1103083231SD Acquired: 4/1/2011 23:52:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18498**	**175.19**	**.27234**	**.15463**	**1.4248**	**.01255**
Stddev	.00108	1.00	.00199	.00177	.0085	.00006
%RSD	.58619	.56911	.72984	1.1427	.59847	.46134
#1	.18472	176.33	.27005	.15546	1.4173	.01254
#2	.18617	174.51	.27339	.15260	1.4231	.01250
#3	.18405	174.73	.27358	.15582	1.4341	.01261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.258**	**.03157**	**.15401**	**.24418**	**.43693**	**320.47**
Stddev	.245	.00005	.00061	.00090	.00146	2.21
%RSD	.48756	.16514	.39640	.36988	.33409	.68867
#1	50.068	.03156	.15337	.24385	.43553	322.62
#2	50.170	.03163	.15408	.24348	.43683	318.21
#3	50.534	.03153	.15458	.24520	.43844	320.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.774**	**.14134**	**31.347**	**5.6137**	**.00939**	**.94539**
Stddev	.074	.00130	.024	.0043	.00021	.01411
%RSD	.50389	.92150	.07719	.07617	2.2908	1.4921
#1	14.702	.14027	31.319	5.6101	.00963	.93032
#2	14.768	.14095	31.361	5.6125	.00932	.94759
#3	14.851	.14279	31.360	5.6184	.00921	.95827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083231SD Acquired: 4/1/2011 23:52:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.25262	F 91464.	.80222	F -861.70	F 266.16	F -112900.
Stddev	.00029	125.	.00188	302.81	1.52	269.
%RSD	.11372	.13647	.23393	35.141	.57024	.23856
#1	.25259	91376.	.80280	-678.66	264.74	-112600.
#2	.25292	91408.	.80373	-1211.2	265.99	-113010.
#3	.25234	91607.	.80011	-695.21	267.76	-113100.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00805	.00658	7.1658	.01668	.32658	.29144
Stddev	.00180	.00087	.0070	.00044	.00108	.00049
%RSD	22.376	13.270	.09766	2.6299	.33093	.16643
#1	.00976	.00758	7.1583	.01642	.32587	.29094
#2	.00617	.00618	7.1722	.01643	.32605	.29147
#3	.00824	.00597	7.1668	.01719	.32783	.29191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00757	.33820	1.4687	F 112.74
Stddev	.00043	.00079	.0004	.68
%RSD	5.6895	.23253	.02696	.60361
#1	.00720	.33825	1.4690	112.17
#2	.00804	.33896	1.4683	112.55
#3	.00747	.33739	1.4688	113.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083231SD Acquired: 4/1/2011 23:52:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360310-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64654.**	**66581.**
Stddev	65.	544.
%RSD	.10053	.81690
#1	64579.	65985.
#2	64685.	66709.
#3	64698.	67050.

Approved: April 04, 2011

Sample Name: L1103083235 Acquired: 4/1/2011 23:56:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**189.36**	**.15404**	**.17286**	**1.3452**	**.01422**	**35.998**
Stddev	.00074	.26	.00147	.00438	.0045	.00008	.161
%RSD	14.173	.13975	.95475	2.5349	.33143	.54179	.44654
#1	.00534	189.12	.15317	.16891	1.3412	.01417	35.815
#2	.00585	189.65	.15574	.17210	1.3500	.01431	36.119
#3	.00440	189.32	.15322	.17757	1.3445	.01419	36.058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01204**	**.26313**	**.23572**	**.27246**	**382.98**	**15.120**	**.17368**
Stddev	.00009	.00063	.00150	.00201	8.21	.033	.00223
%RSD	.78394	.23867	.63658	.73771	2.1433	.22021	1.2847
#1	.01195	.26321	.23607	.27325	375.64	15.083	.17133
#2	.01213	.26371	.23702	.27395	381.46	15.129	.17578
#3	.01203	.26247	.23408	.27017	391.84	15.148	.17393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.014**	**10.542**	**.01223**	**.91696**	**.30330**	F **79490.**	**.87564**
Stddev	.209	.031	.00003	.00730	.00030	107.	.00116
%RSD	.63293	.29840	.25284	.79583	.09772	.13415	.13304
#1	32.800	10.509	.01224	.91075	.30360	79432.	.87609
#2	33.023	10.544	.01224	.92500	.30330	79613.	.87651
#3	33.218	10.572	.01219	.91514	.30300	79424.	.87432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083235 Acquired: 4/1/2011 23:56:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1489.2**	F **175.00**	F **-72986.**	**.00794**	**.00863**	**6.8399**	**.02470**
Stddev	579.3	.61	77.	.00130	.00131	.0173	.00017
%RSD	38.898	.34768	.10579	16.403	15.148	.25325	.68460
#1	-1033.4	175.22	-73061.	.00898	.00920	6.8436	.02486
#2	-2141.0	175.47	-72991.	.00836	.00955	6.8551	.02452
#3	-1293.2	174.31	-72907.	.00648	.00713	6.8211	.02473
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23673**	**.26207**	**.01041**	**.35214**	**2.0157**	F **90.525**
Stddev	.00078	.00235	.00121	.00026	.0007	.088
%RSD	.33059	.89823	11.609	.07248	.03261	.09706
#1	.23604	.25970	.00938	.35198	2.0149	90.424
#2	.23758	.26441	.01174	.35201	2.0161	90.589
#3	.23657	.26208	.01012	.35244	2.0161	90.560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64268.**	**66573.**
Stddev	118.	499.
%RSD	.18308	.75011
#1	64167.	66667.
#2	64239.	67019.
#3	64397.	66033.

Approved: April 04, 2011

Sample Name: L1103083235PS Acquired: 4/1/2011 23:59:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360624-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20844**	**175.58**	**.33673**	**1.0783**	**1.7128**	**.03856**	**37.333**
Stddev	.00068	1.67	.00147	.0020	.0059	.00011	.099
%RSD	.32699	.95041	.43673	.18359	.34567	.29076	.26386
#1	.20894	173.99	.33776	1.0803	1.7148	.03844	37.367
#2	.20766	175.43	.33505	1.0763	1.7174	.03866	37.410
#3	.20871	177.32	.33738	1.0783	1.7061	.03856	37.222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03577**	**.33744**	**.46670**	**.49075**	**350.20**	**39.049**	**.66507**
Stddev	.00003	.00013	.00224	.00041	3.18	.111	.00244
%RSD	.09187	.03764	.48024	.08283	.90944	.28353	.36721
#1	.03574	.33748	.46411	.49053	351.12	39.103	.66470
#2	.03580	.33754	.46794	.49121	352.83	39.122	.66767
#3	.03579	.33730	.46805	.49049	346.66	38.922	.66283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.696**	**9.7055**	**.55975**	**26.874**	**.52308**	F **72076.**	**1.0303**
Stddev	.119	.0238	.00053	.039	.00027	9.	.0015
%RSD	.34328	.24507	.09467	.14538	.05247	.01266	.14751
#1	34.737	9.7125	.56004	26.900	.52278	72066.	1.0290
#2	34.788	9.7249	.55914	26.894	.52317	72085.	1.0320
#3	34.561	9.6790	.56009	26.829	.52331	72077.	1.0300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083235PS Acquired: 4/1/2011 23:59:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360624-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-842.99**	F **163.73**	F **-66401.**	**.60687**	**.20277**	**13.643**	**.02235**
Stddev	277.42	.22	38.	.00438	.00273	.020	.00050
%RSD	32.909	.13184	.05791	.72251	1.3468	.14514	2.2440
#1	-766.36	163.56	-66445.	.61093	.20145	13.659	.02285
#2	-611.94	163.97	-66371.	.60746	.20591	13.648	.02184
#3	-1150.7	163.66	-66388.	.60222	.20094	13.621	.02236
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72037**	**.76405**	**.24898**	**.83757**	**2.3224**	F **81.130**
Stddev	.00098	.00248	.00180	.00220	.0017	.256
%RSD	.13568	.32460	.72469	.26225	.07436	.31575
#1	.72042	.76541	.25044	.83872	2.3207	80.908
#2	.72132	.76555	.24952	.83504	2.3242	81.410
#3	.71937	.76119	.24696	.83896	2.3224	81.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63812.**	**66445.**
Stddev	45.	596.
%RSD	.07014	.89701
#1	63834.	66033.
#2	63760.	66174.
#3	63841.	67129.

Approved: April 04, 2011

Sample Name: L1103083235SDL Acquired: 4/2/2011 0:03:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360624-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**44.681**	**.03179**	**.03665**	**.26119**	**.00278**	**7.1470**
Stddev	.00048	.399	.00051	.00091	.00135	.00001	.0375
%RSD	53.418	.89361	1.6062	2.4756	.51611	.23321	.52480
#1	.00055	45.068	.03213	.03633	.25964	.00277	7.1205
#2	.00146	44.271	.03120	.03595	.26186	.00278	7.1305
#3	.00071	44.705	.03203	.03768	.26207	.00278	7.1899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00243**	**.05557**	**.04659**	**.05801**	**78.991**	**3.1431**	**.03288**
Stddev	.00008	.00046	.00019	.00073	.387	.0146	.00134
%RSD	3.1692	.81978	.41508	1.2601	.48991	.46566	4.0848
#1	.00241	.05507	.04641	.05744	78.666	3.1519	.03424
#2	.00251	.05566	.04656	.05775	78.888	3.1262	.03155
#3	.00236	.05597	.04679	.05884	79.419	3.1511	.03284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.8977**	**2.1303**	**.00235**	**.17521**	**.06347**	F **17245.**	**.19303**
Stddev	.0559	.0040	.00004	.00169	.00054	79.	.00141
%RSD	.81004	.18948	1.8390	.96585	.84932	.45810	.73017
#1	6.8697	2.1294	.00230	.17546	.06321	17199.	.19240
#2	6.8614	2.1267	.00238	.17341	.06311	17200.	.19204
#3	6.9621	2.1347	.00237	.17677	.06409	17336.	.19464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083235SDL Acquired: 4/2/2011 0:03:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360624-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **993.71**	F **38.469**	F **-15797.**	**.00202**	**.00042**	**1.4750**	**.00085**
Stddev	454.93	.263	59.	.00131	.00333	.0043	.00024
%RSD	45.781	.68328	.37168	64.801	796.26	.29086	28.364
#1	663.10	38.356	-15733.	.00215	.00209	1.4710	.00084
#2	805.50	38.281	-15808.	.00065	-.00342	1.4746	.00062
#3	1512.5	38.769	-15849.	.00327	.00259	1.4795	.00110
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04691**	**.05097**	**.00227**	**.06946**	**.41984**	**15.815**
Stddev	.00015	.00083	.00024	.00018	.00078	.190
%RSD	.32850	1.6270	10.423	.25921	.18624	1.2004
#1	.04676	.05158	.00200	.06931	.41964	16.031
#2	.04691	.05003	.00241	.06942	.41918	15.672
#3	.04707	.05132	.00241	.06966	.42070	15.743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68444.**	**66731.**
Stddev	233.	738.
%RSD	.34084	1.1058
#1	68513.	67259.
#2	68635.	67045.
#3	68184.	65888.

Approved: April 04, 2011

Sample Name: L1103083235SDL Acquired: 4/2/2011 0:06:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360624-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**9.0714**	**.00674**	**.00621**	**.05063**	**.00053**	**1.3608**
Stddev	.00013	.0377	.00018	.00004	.00027	.00002	.0105
%RSD	107.11	.41564	2.7423	.58021	.52530	4.3050	.76844
#1	-.00025	9.0694	.00662	.00621	.05091	.00053	1.3729
#2	.00001	9.1100	.00695	.00625	.05039	.00055	1.3549
#3	-.00012	9.0347	.00664	.00618	.05058	.00050	1.3547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01117**	**.00907**	**.01226**	**15.252**	**.66102**	**.00478**
Stddev	.00001	.00015	.00031	.00015	.022	.02609	.00120
%RSD	2.4282	1.3350	3.4098	1.2602	.14482	3.9476	25.208
#1	.00029	.01126	.00874	.01218	15.277	.64616	.00567
#2	.00030	.01124	.00934	.01243	15.239	.64575	.00527
#3	.00031	.01099	.00914	.01215	15.239	.69115	.00341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3514**	**.41809**	**.00025**	**.02092**	**.01201**	F **3477.1**	**.03768**
Stddev	.0049	.00116	.00015	.01034	.00040	27.5	.00120
%RSD	.36375	.27809	58.549	49.404	3.2906	.79226	3.1718
#1	1.3547	.41839	.00041	.03204	.01159	3445.3	.03837
#2	1.3457	.41908	.00011	.01160	.01208	3493.3	.03837
#3	1.3537	.41681	.00025	.01912	.01237	3492.8	.03630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083235SDL Acquired: 4/2/2011 0:06:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360624-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1476.5**	**7.8859**	F **-3171.5**	**-.00107**	**-.00249**	**.28759**	**-.00451**
Stddev	751.1	.0682	25.4	.00028	.00104	.00110	.00006
%RSD	50.871	.86515	.80089	26.139	41.891	.38410	1.3684
#1	1799.6	7.8896	-3168.1	-.00086	-.00166	.28700	-.00458
#2	2012.0	7.9522	-3198.4	-.00139	-.00216	.28690	-.00451
#3	617.89	7.8159	-3148.0	-.00096	-.00366	.28886	-.00445
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00912**	**.00959**	**.00116**	**.01350**	**.08630**	**1.5373**
Stddev	.00013	.00114	.00046	.00011	.00042	.1478
%RSD	1.4699	11.943	40.011	.78532	.48325	9.6153
#1	.00897	.01085	.00069	.01344	.08613	1.6218
#2	.00924	.00862	.00117	.01345	.08677	1.6234
#3	.00914	.00928	.00162	.01363	.08599	1.3666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68520.**	**65582.**
Stddev	160.	611.
%RSD	.23280	.93199
#1	68624.	65277.
#2	68337.	65184.
#3	68600.	66286.

Approved: April 04, 2011

Sample Name: L1103083236 Acquired: 4/2/2011 0:10:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00521**	**205.42**	**.15549**	**.19896**	**1.2429**	**.01602**	**26.931**
Stddev	.00073	1.22	.00203	.00297	.0037	.00006	.148
%RSD	13.929	.59342	1.3077	1.4934	.30038	.36254	.55091
#1	.00524	205.84	.15704	.19706	1.2418	.01598	26.797
#2	.00447	204.05	.15319	.19743	1.2397	.01608	26.905
#3	.00591	206.38	.15624	.20238	1.2470	.01599	27.090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00885**	**.25398**	**.27532**	**.27253**	**462.60**	**11.907**	**.17855**
Stddev	.00013	.00080	.00100	.00227	5.91	.071	.00053
%RSD	1.4760	.31332	.36433	.83225	1.2769	.59523	.29631
#1	.00873	.25306	.27462	.27012	458.83	11.885	.17801
#2	.00884	.25434	.27647	.27287	459.57	11.849	.17906
#3	.00899	.25453	.27487	.27461	469.41	11.986	.17857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.597**	**10.767**	**.01541**	**1.0964**	**.29686**	F **49706.**	**.65542**
Stddev	.193	.029	.00033	.0049	.00059	93.	.00097
%RSD	.60993	.27167	2.1358	.44242	.19876	.18732	.14763
#1	31.516	10.740	.01579	1.0911	.29644	49619.	.65440
#2	31.459	10.763	.01529	1.1007	.29753	49695.	.65553
#3	31.818	10.798	.01517	1.0975	.29659	49804.	.65633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083236 Acquired: 4/2/2011 0:10:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1380.3**	F **98.405**	F **-37295.**	**.00758**	**.00997**	**6.4984**	**.01871**
Stddev	118.8	.479	15.	.00169	.00127	.0030	.00025
%RSD	8.6068	.48635	.03994	22.346	12.775	.04680	1.3131
#1	-1488.3	97.870	-37300.	.00624	.01137	6.5004	.01866
#2	-1399.5	98.553	-37306.	.00700	.00889	6.5000	.01898
#3	-1253.1	98.792	-37278.	.00948	.00964	6.4949	.01850
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21050**	**.24714**	**.01360**	**.42319**	**1.3726**	F **122.23**
Stddev	.00109	.00094	.00070	.00274	.0025	.66
%RSD	.51578	.37930	5.1487	.64758	.18151	.54352
#1	.20925	.24648	.01367	.42055	1.3703	121.52
#2	.21107	.24672	.01426	.42301	1.3722	122.83
#3	.21119	.24821	.01287	.42602	1.3753	122.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63828.**	**66297.**
Stddev	49.	505.
%RSD	.07647	.76221
#1	63850.	65881.
#2	63863.	66859.
#3	63773.	66151.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 0:13:48 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41047**	**10.322**	**.40842**	**.50605**	**1.0238**	**.05057**	**10.219**
Stddev	.00222	.056	.00080	.00190	.0017	.00014	.009
%RSD	.54178	.54101	.19694	.37453	.16497	.27843	.08532
#1	.41008	10.308	.40859	.50505	1.0219	.05047	10.209
#2	.40847	10.274	.40913	.50486	1.0244	.05050	10.222
#3	.41287	10.383	.40755	.50823	1.0251	.05073	10.226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05193**	**.20879**	**.51383**	**.52187**	**4.2186**	**51.682**	**1.0203**
Stddev	.00029	.00089	.00253	.00157	.0066	.115	.0005
%RSD	.55768	.42506	.49244	.30138	.15690	.22230	.05042
#1	.05160	.20781	.51158	.52014	4.2110	51.551	1.0204
#2	.05206	.20955	.51335	.52321	4.2233	51.768	1.0208
#3	.05213	.20901	.51657	.52227	4.2214	51.727	1.0198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.724**	**.52354**	**1.0734**	**51.118**	**.52407**	F **43.693**	**.52704**
Stddev	.025	.00087	.0014	.045	.00156	38.373	.00178
%RSD	.22901	.16686	.12711	.08831	.29757	87.823	.33828
#1	10.696	.52442	1.0746	51.073	.52264	86.569	.52546
#2	10.736	.52267	1.0738	51.163	.52573	31.936	.52898
#3	10.740	.52352	1.0719	51.116	.52383	12.575	.52669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 0:13:48 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1666.2**	**10.579**	F **47.453**	**1.2822**	**.40703**	F **.08034**	**1.0976**
Stddev	312.6	.020	8.072	.0078	.00371	.00144	.0023
%RSD	18.765	.18897	17.011	.60674	.91215	1.7865	.20616
#1	1366.5	10.575	39.447	1.2797	.40405	.08081	1.0950
#2	1641.6	10.601	55.590	1.2909	.41119	.07873	1.0991
#3	1990.4	10.562	47.323	1.2760	.40585	.08148	1.0987
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0108**	**1.0832**	**.52883**	**1.0254**	**1.0406**	F **1.1289**
Stddev	.0006	.0019	.00326	.0035	.0011	.1475
%RSD	.06289	.17034	.61594	.33867	.10722	13.066
#1	1.0104	1.0811	.52715	1.0241	1.0393	1.0331
#2	1.0116	1.0842	.53259	1.0228	1.0411	1.2988
#3	1.0105	1.0843	.52677	1.0293	1.0414	1.0549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65176.**	**63518.**
Stddev	133.	451.
%RSD	.20457	.70979
#1	65330.	64035.
#2	65092.	63306.
#3	65107.	63211.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 0:17:10 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.00207**	**-.00093**	**.00115**	**.00013**	**.00000**	**-.00926**
Stddev	.00019	.00049	.00080	.00090	.00008	.00000	.00504
%RSD	79.842	23.795	86.350	77.693	63.335	146.08	54.443
#1	-.00002	.00222	-.00182	.00107	.00006	.00000	-.01046
#2	-.00032	.00152	-.00026	.00209	.00012	.00000	-.01360
#3	-.00039	.00247	-.00071	.00030	.00022	.00001	-.00373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00015**	**-.00001**	**.00030**	**.00717**	**.09230**	**-.00163**
Stddev	.00005	.00009	.00010	.00018	.00506	.01055	.00220
%RSD	49.074	57.763	684.64	59.622	70.513	11.429	134.91
#1	-.00013	-.00005	.00010	.00016	.01053	.08712	-.00296
#2	-.00005	-.00017	-.00006	.00050	.00963	.08534	-.00284
#3	-.00014	-.00022	-.00009	.00024	.00136	.10443	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00588**	**.00052**	**.00031**	**-.00525**	**-.00032**	F **23.973**	**-.00172**
Stddev	.00097	.00012	.00016	.00786	.00021	6.088	.00139
%RSD	16.423	22.455	52.074	149.53	63.362	25.396	80.591
#1	-.00496	.00042	.00049	-.00750	-.00050	30.939	-.00034
#2	-.00580	.00065	.00023	.00348	-.00038	19.670	-.00311
#3	-.00688	.00049	.00020	-.01174	-.00010	21.311	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 0:17:10 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2172.0**	F **.02876**	F **-20.017**	**.00015**	**-.00109**	**.00605**	**.00040**
Stddev	355.4	.02772	15.628	.00047	.00122	.00088	.00015
%RSD	16.363	96.392	78.075	321.23	111.82	14.471	38.087
#1	1762.5	-.00043	-32.738	.00019	-.00249	.00671	.00042
#2	2399.4	.03199	-2.5715	.00060	-.00024	.00639	.00054
#3	2354.2	.05472	-24.742	-.00035	-.00055	.00506	.00024
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00137**	**.00013**	**.00010**	**.00017**	F **.10019**
Stddev	.00004	.00018	.00050	.00009	.00005	.18520
%RSD	42.211	13.063	400.38	91.338	28.941	184.86
#1	.00010	-.00151	.00071	.00000	.00021	.11067
#2	.00013	-.00117	-.00013	.00012	.00012	-.09003
#3	.00005	-.00144	-.00020	.00018	.00019	.27993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66601.**	**63316.**
Stddev	349.	364.
%RSD	.52461	.57431
#1	67002.	63334.
#2	66364.	63671.
#3	66437.	62944.

Approved: April 04, 2011

Sample Name: L1103083237 Acquired: 4/2/2011 0:20:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00438**	**145.22**	**.11499**	**.13825**	**1.1859**	**.01109**	**43.890**
Stddev	.00028	.66	.00188	.00238	.0032	.00001	.060
%RSD	6.4085	.45393	1.6352	1.7239	.27010	.13424	.13621
#1	.00418	145.28	.11321	.13754	1.1894	.01109	43.887
#2	.00470	145.85	.11696	.14090	1.1850	.01108	43.951
#3	.00426	144.53	.11479	.13630	1.1832	.01111	43.831
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01064**	**.16136**	**.21102**	**.20629**	**296.58**	**14.590**	**.11926**
Stddev	.00004	.00020	.00115	.00112	2.06	.016	.00152
%RSD	.41196	.12397	.54522	.54266	.69348	.10877	1.2726
#1	.01060	.16130	.21201	.20581	294.39	14.603	.12080
#2	.01063	.16158	.21129	.20757	298.47	14.595	.11777
#3	.01068	.16119	.20976	.20549	296.88	14.572	.11921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.129**	**7.2693**	**.01160**	**.66388**	**.21057**	F **103760.**	**.68601**
Stddev	.154	.0224	.00028	.00272	.00104	82.	.00038
%RSD	.61095	.30834	2.4221	.40913	.49235	.07944	.05573
#1	24.957	7.2440	.01145	.66562	.21164	103750.	.68608
#2	25.254	7.2868	.01193	.66075	.21053	103850.	.68560
#3	25.175	7.2770	.01143	.66526	.20956	103690.	.68636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083237 Acquired: 4/2/2011 0:20:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1263.6**	F **227.68**	F **-94969.**	**.00864**	**.00757**	**6.5402**	**.00862**
Stddev	526.7	.66	139.	.00230	.00307	.0066	.00007
%RSD	41.684	.28908	.14650	26.619	40.567	.10081	.82907
#1	-1838.9	227.16	-94834.	.01100	.01089	6.5410	.00858
#2	-1146.7	228.42	-94960.	.00640	.00483	6.5333	.00858
#3	-805.14	227.45	-95112.	.00851	.00699	6.5464	.00870
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27191**	**.26416**	**.00829**	**.32130**	**1.7061**	F **90.189**
Stddev	.00043	.00032	.00089	.00122	.0012	.284
%RSD	.15663	.11929	10.768	.37910	.07156	.31540
#1	.27215	.26396	.00729	.31989	1.7048	90.050
#2	.27216	.26453	.00902	.32198	1.7064	90.516
#3	.27142	.26401	.00854	.32202	1.7072	90.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63994.**	**66653.**
Stddev	91.	481.
%RSD	.14241	.72105
#1	63962.	67197.
#2	63924.	66283.
#3	64097.	66480.

Approved: April 04, 2011

Sample Name: L1103083238 Acquired: 4/2/2011 0:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**181.57**	**.11729**	**.16591**	**1.1442**	**.01326**	**31.901**
Stddev	.00007	1.17	.00085	.00097	.0029	.00006	.148
%RSD	1.6912	.64510	.72191	.58298	.24905	.46845	.46355
#1	.00388	180.80	.11792	.16639	1.1465	.01323	31.983
#2	.00401	180.99	.11633	.16480	1.1410	.01321	31.731
#3	.00396	182.92	.11764	.16655	1.1451	.01333	31.991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00770**	**.18347**	**.23812**	**.21426**	**383.92**	**10.629**	**.13734**
Stddev	.00007	.00079	.00198	.00191	2.22	.073	.00107
%RSD	.94577	.43329	.83063	.89100	.57900	.68612	.77878
#1	.00772	.18263	.23614	.21217	385.29	10.674	.13815
#2	.00762	.18359	.23814	.21467	381.35	10.545	.13774
#3	.00776	.18420	.24010	.21592	385.12	10.669	.13612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.968**	**6.3587**	**.01143**	**1.0143**	**.25475**	F **58904.**	**.48526**
Stddev	.129	.0188	.00034	.0023	.00050	177.	.00137
%RSD	.47824	.29520	2.9390	.22834	.19641	.30024	.28164
#1	26.966	6.3575	.01160	1.0151	.25462	58720.	.48372
#2	26.840	6.3406	.01165	1.0116	.25434	58918.	.48572
#3	27.098	6.3781	.01104	1.0160	.25531	59073.	.48634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083238 Acquired: 4/2/2011 0:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-941.65**	F **99.295**	F **-35625.**	**.00777**	**.00867**	**5.5523**	**.00602**
Stddev	265.61	.630	47.	.00121	.00351	.0313	.00020
%RSD	28.207	.63452	.13150	15.556	40.424	.56303	3.3662
#1	-1222.1	98.685	-35587.	.00712	.00991	5.5191	.00579
#2	-908.92	99.256	-35677.	.00917	.01139	5.5812	.00610
#3	-693.92	99.944	-35610.	.00704	.00471	5.5565	.00618
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22944**	**.23722**	**.00958**	**.37412**	**1.3034**	F **131.17**
Stddev	.00088	.00143	.00006	.00111	.0016	1.85
%RSD	.38541	.60075	.58023	.29589	.12309	1.4105
#1	.22992	.23793	.00962	.37350	1.3018	129.65
#2	.22842	.23557	.00952	.37345	1.3034	130.63
#3	.22998	.23814	.00960	.37539	1.3050	133.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64498.**	**66787.**
Stddev	171.	498.
%RSD	.26577	.74595
#1	64666.	66326.
#2	64505.	67316.
#3	64324.	66721.

Approved: April 04, 2011

Sample Name: L1103083239 Acquired: 4/2/2011 0:28:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00418**	**122.56**	**.10083**	**.11057**	**1.2473**	**.00938**	**30.851**
Stddev	.00084	.28	.00051	.00127	.0053	.00003	.144
%RSD	20.206	.23036	.50647	1.1520	.42052	.29641	.46576
#1	.00323	122.49	.10082	.10918	1.2464	.00936	30.769
#2	.00446	122.87	.10032	.11168	1.2530	.00938	31.017
#3	.00484	122.32	.10134	.11086	1.2426	.00941	30.767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00910**	**.11576**	**.20150**	**.17419**	**243.83**	**12.336**	**.09132**
Stddev	.00005	.00021	.00186	.00043	1.35	.061	.00145
%RSD	.57880	.18204	.92221	.24971	.55300	.49351	1.5851
#1	.00912	.11597	.19936	.17381	242.89	12.292	.09116
#2	.00904	.11555	.20255	.17466	243.22	12.405	.09284
#3	.00915	.11576	.20260	.17409	245.38	12.311	.08996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.136**	**4.7542**	**.00977**	**.72021**	**.16395**	F **75709.**	**.70736**
Stddev	.082	.0131	.00017	.00856	.00055	55.	.00374
%RSD	.40909	.27555	1.7816	1.1885	.33279	.07297	.52824
#1	20.048	4.7398	.00983	.71153	.16398	75773.	.70468
#2	20.211	4.7654	.00958	.72865	.16447	75685.	.71163
#3	20.150	4.7575	.00991	.72044	.16338	75671.	.70578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083239 Acquired: 4/2/2011 0:28:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-905.94**	F **185.86**	F **-80622.**	**.00750**	**.00654**	**5.5651**	**.00767**
Stddev	285.54	.48	64.	.00105	.00127	.0041	.00023
%RSD	31.519	.25798	.07960	13.996	19.378	.07379	2.9688
#1	-1233.9	186.37	-80691.	.00817	.00795	5.5684	.00770
#2	-771.11	185.42	-80610.	.00803	.00616	5.5664	.00742
#3	-712.78	185.79	-80564.	.00629	.00550	5.5605	.00787
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21071**	**.28268**	**.00575**	**.30266**	**1.6135**	F **94.485**
Stddev	.00066	.00055	.00064	.00022	.0030	.353
%RSD	.31388	.19551	11.076	.07150	.18495	.37403
#1	.21035	.28242	.00648	.30251	1.6101	94.142
#2	.21147	.28230	.00536	.30257	1.6152	94.465
#3	.21030	.28331	.00539	.30291	1.6153	94.848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64813.**	**66251.**
Stddev	87.	450.
%RSD	.13427	.67965
#1	64864.	66759.
#2	64862.	65901.
#3	64712.	66093.

Approved: April 04, 2011

Sample Name: L1103083240 Acquired: 4/2/2011 0:31:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**180.47**	**.11425**	**.14213**	**1.3951**	**.01291**	**28.833**
Stddev	.00020	1.00	.00060	.00253	.0074	.00005	.181
%RSD	4.8743	.55171	.52483	1.7820	.52895	.42393	.62695
#1	.00409	179.74	.11369	.14113	1.3894	.01290	28.775
#2	.00414	180.06	.11417	.14026	1.3925	.01286	28.688
#3	.00378	181.60	.11488	.14502	1.4035	.01297	29.035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00810**	**.15012**	**.24820**	**.17045**	**323.03**	**12.053**	**.14189**
Stddev	.00009	.00088	.00095	.00107	3.10	.052	.00113
%RSD	1.1248	.58829	.38248	.62716	.95857	.43200	.79589
#1	.00800	.14914	.24712	.16922	320.05	12.022	.14203
#2	.00812	.15085	.24855	.17115	322.81	12.025	.14295
#3	.00818	.15039	.24892	.17099	326.23	12.114	.14070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.792**	**5.2977**	**.00924**	**3.9316**	**.21520**	F **39706.**	**.50900**
Stddev	.115	.0091	.00013	.0270	.00042	74.	.00175
%RSD	.48398	.17207	1.4349	.68743	.19317	.18549	.34331
#1	23.672	5.2916	.00909	3.9302	.21502	39621.	.50901
#2	23.803	5.2933	.00931	3.9053	.21490	39745.	.51074
#3	23.901	5.3082	.00932	3.9593	.21567	39753.	.50724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083240 Acquired: 4/2/2011 0:31:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-989.23**	F **98.452**	F **-36486.**	**.00746**	**.00615**	**5.5484**	**.00590**
Stddev	551.63	.438	59.	.00125	.00191	.0261	.00045
%RSD	55.764	.44524	.16234	16.744	31.138	.46981	7.6659
#1	-1039.0	98.017	-36545.	.00734	.00561	5.5275	.00572
#2	-414.40	98.894	-36427.	.00876	.00456	5.5776	.00641
#3	-1514.3	98.446	-36486.	.00627	.00828	5.5401	.00556
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23686**	**.34986**	**.00854**	**.40480**	**1.2078**	F **157.01**
Stddev	.00136	.00091	.00152	.00142	.0030	.73
%RSD	.57317	.26141	17.839	.35145	.24785	.46247
#1	.23705	.34933	.00933	.40417	1.2043	156.26
#2	.23542	.34934	.00950	.40643	1.2094	157.05
#3	.23811	.35092	.00678	.40380	1.2096	157.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64952.**	**66972.**
Stddev	72.	104.
%RSD	.11101	.15460
#1	65033.	67090.
#2	64928.	66927.
#3	64894.	66898.

Approved: April 04, 2011

Sample Name: L1103083241 Acquired: 4/2/2011 0:35:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00570**	**201.14**	**.17008**	**.17977**	**1.4085**	**.01195**
Stddev	.00003	.48	.00167	.00479	.0069	.00006
%RSD	.45178	.24010	.98336	2.6644	.49132	.50743
#1	.00572	201.01	.17080	.17918	1.4159	.01200
#2	.00567	200.74	.17127	.17530	1.4022	.01188
#3	.00570	201.68	.16816	.18483	1.4073	.01196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.639**	**.01402**	**.12944**	**.28169**	**.27190**	**391.05**
Stddev	.161	.00000	.00027	.00131	.00184	4.65
%RSD	.62839	.01706	.20763	.46600	.67688	1.1899
#1	25.825	.01402	.12944	.28284	.27233	390.13
#2	25.542	.01402	.12918	.28026	.26988	386.93
#3	25.551	.01402	.12972	.28197	.27349	396.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.867**	**.17152**	**28.062**	**6.8362**	**.01476**	**.79303**
Stddev	.092	.00227	.080	.0163	.00015	.00326
%RSD	.46412	1.3258	.28576	.23772	1.0445	.41168
#1	19.973	.17281	28.119	6.8549	.01470	.79321
#2	19.805	.16889	27.971	6.8278	.01494	.78968
#3	19.824	.17286	28.097	6.8258	.01465	.79620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083241 Acquired: 4/2/2011 0:35:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23115**	F **119700.**	**1.1714**	F **-1844.2**	F **223.27**	F **-104060.**
Stddev	.00009	205.	.0013	341.7	1.13	52.
%RSD	.03880	.17155	.11052	18.527	.50667	.04984
#1	.23114	119930.	1.1709	-2137.1	223.39	-104100.
#2	.23107	119530.	1.1705	-1468.8	222.09	-104000.
#3	.23125	119640.	1.1729	-1926.6	224.34	-104090.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00923**	**.00774**	**5.6540**	**.02974**	**.19163**	**.36001**
Stddev	.00119	.00059	.0174	.00046	.00113	.00178
%RSD	12.851	7.6075	.30717	1.5480	.59199	.49468
#1	.00810	.00809	5.6656	.02927	.19293	.36201
#2	.01046	.00706	5.6340	.02977	.19111	.35944
#3	.00913	.00806	5.6623	.03019	.19085	.35858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01146**	**.42836**	**2.5483**	F **87.933**
Stddev	.00176	.00129	.0008	.360
%RSD	15.398	.30205	.03028	.40890
#1	.00942	.42961	2.5486	88.229
#2	.01243	.42844	2.5489	87.533
#3	.01253	.42703	2.5475	88.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083241 Acquired: 4/2/2011 0:35:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64521.**	**67320.**
Stddev	99.	526.
%RSD	.15346	.78196
#1	64464.	66755.
#2	64636.	67796.
#3	64464.	67410.

Approved: April 04, 2011

Sample Name: L1103083242 Acquired: 4/2/2011 0:38:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00454**	**207.10**	**.14896**	**.16765**	**1.1868**	**.01307**	**20.270**
Stddev	.00055	1.68	.00206	.00183	.0037	.00003	.045
%RSD	12.079	.81201	1.3814	1.0919	.30904	.23995	.22087
#1	.00485	208.92	.14937	.16556	1.1909	.01309	20.296
#2	.00486	205.61	.15079	.16897	1.1837	.01308	20.218
#3	.00390	206.77	.14673	.16843	1.1860	.01303	20.295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00940**	**.20557**	**.25604**	**.25038**	**391.88**	**13.458**	**.18218**
Stddev	.00007	.00029	.00114	.00045	4.36	.025	.00241
%RSD	.70631	.14037	.44470	.17802	1.1129	.18389	1.3247
#1	.00933	.20582	.25543	.25016	387.10	13.480	.17942
#2	.00940	.20564	.25736	.25089	395.65	13.431	.18329
#3	.00946	.20525	.25534	.25009	392.90	13.462	.18384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.901**	**8.1247**	**.01378**	**1.0048**	**.27537**	F **55663.**	**.56351**
Stddev	.004	.0120	.00019	.0007	.00026	53.	.00107
%RSD	.01136	.14750	1.3896	.06740	.09269	.09574	.18975
#1	30.903	8.1164	.01397	1.0055	.27554	55707.	.56471
#2	30.897	8.1193	.01379	1.0047	.27508	55678.	.56265
#3	30.902	8.1385	.01358	1.0041	.27549	55603.	.56318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083242 Acquired: 4/2/2011 0:38:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-695.85**	F **105.08**	F **-44138.**	**.00935**	**.00952**	**5.9672**	**.00965**
Stddev	109.31	.15	62.	.00048	.00172	.0105	.00012
%RSD	15.709	.14684	.14130	5.1686	18.059	.17534	1.2875
#1	-666.04	105.12	-44123.	.00977	.00944	5.9718	.00951
#2	-604.54	105.21	-44207.	.00882	.00784	5.9745	.00969
#3	-816.97	104.91	-44085.	.00946	.01128	5.9552	.00975
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16482**	**.26527**	**.01309**	**.41495**	**1.5049**	F **110.29**
Stddev	.00055	.00057	.00084	.00180	.0020	.65
%RSD	.33070	.21305	6.4209	.43339	.13535	.58769
#1	.16485	.26592	.01234	.41685	1.5055	110.64
#2	.16426	.26491	.01293	.41473	1.5026	110.68
#3	.16535	.26498	.01400	.41327	1.5065	109.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64579.**	**66616.**
Stddev	37.	210.
%RSD	.05660	.31514
#1	64543.	66396.
#2	64616.	66640.
#3	64579.	66814.

Approved: April 04, 2011

Sample Name: L1103083243 Acquired: 4/2/2011 0:42:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00505**	**204.57**	**.13639**	**.17569**	**1.2254**	**.01394**	**31.346**
Stddev	.00042	2.30	.00196	.00680	.0047	.00001	.100
%RSD	8.2876	1.1234	1.4397	3.8711	.38491	.05613	.31938
#1	.00459	207.16	.13860	.18121	1.2305	.01394	31.452
#2	.00542	202.76	.13573	.17777	1.2246	.01393	31.334
#3	.00514	203.81	.13484	.16809	1.2211	.01394	31.253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.19913**	**.28478**	**.21938**	**409.88**	**13.429**	**.17353**
Stddev	.00012	.00094	.00034	.00196	9.46	.048	.00164
%RSD	1.1566	.47118	.11801	.89572	2.3071	.35815	.94589
#1	.01086	.20014	.28516	.22165	417.57	13.480	.17334
#2	.01073	.19829	.28465	.21825	412.75	13.423	.17526
#3	.01062	.19894	.28452	.21824	399.32	13.384	.17200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.034**	**8.8087**	**.01278**	**1.0608**	**.25941**	F **69745.**	**.53847**
Stddev	.062	.0276	.00049	.0017	.00155	81.	.00098
%RSD	.23086	.31355	3.8425	.16227	.59646	.11635	.18236
#1	27.070	8.8319	.01234	1.0588	.25959	69836.	.53959
#2	27.069	8.8162	.01331	1.0616	.25778	69681.	.53806
#3	26.962	8.7781	.01270	1.0620	.26086	69718.	.53776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083243 Acquired: 4/2/2011 0:42:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1206.3**	F **98.828**	F **-35470.**	**.00696**	**.00888**	**6.1864**	**.00744**
Stddev	434.4	.688	97.	.00079	.00193	.0265	.00010
%RSD	36.006	.69581	.27433	11.344	21.712	.42845	1.3449
#1	-1705.8	99.621	-35582.	.00700	.00993	6.2165	.00740
#2	-995.72	98.445	-35406.	.00615	.01004	6.1760	.00755
#3	-917.45	98.416	-35421.	.00773	.00665	6.1666	.00736
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23644**	**.32877**	**.01353**	**.46789**	**1.7588**	F **133.71**
Stddev	.00070	.00135	.00104	.00042	.0024	.54
%RSD	.29681	.41197	7.6888	.08903	.13891	.40234
#1	.23720	.32992	.01252	.46817	1.7614	134.33
#2	.23629	.32912	.01459	.46741	1.7566	133.43
#3	.23582	.32728	.01349	.46808	1.7585	133.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64505.**	**66714.**
Stddev	306.	538.
%RSD	.47421	.80618
#1	64154.	66181.
#2	64713.	66706.
#3	64649.	67257.

Approved: April 04, 2011

Sample Name: L1103083244 Acquired: 4/2/2011 0:46:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**107.67**	**.10282**	**.10936**	**1.0366**	**.00859**	**34.811**
Stddev	.00031	1.37	.00152	.00073	.0008	.00002	.117
%RSD	6.9834	1.2757	1.4793	.67006	.07241	.25081	.33616
#1	.00440	108.72	.10430	.10893	1.0357	.00858	34.685
#2	.00481	108.16	.10126	.10893	1.0371	.00861	34.832
#3	.00420	106.11	.10291	.11020	1.0369	.00857	34.916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.12091**	**.17599**	**.18269**	**249.21**	**13.523**	**.08726**
Stddev	.00006	.00042	.00081	.00026	2.18	.053	.00052
%RSD	.57730	.34361	.46180	.14392	.87295	.39036	.59516
#1	.01020	.12134	.17574	.18279	247.49	13.471	.08779
#2	.01029	.12088	.17689	.18288	248.47	13.521	.08675
#3	.01019	.12051	.17532	.18239	251.65	13.577	.08724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.010**	**5.3669**	**.01116**	**.49604**	**.17447**	F **102590.**	**.56891**
Stddev	.182	.0206	.00016	.00124	.00035	192.	.00164
%RSD	.86684	.38342	1.4519	.25067	.20117	.18675	.28886
#1	20.834	5.3439	.01098	.49682	.17408	102600.	.56714
#2	20.998	5.3735	.01129	.49460	.17457	102780.	.56919
#3	21.197	5.3834	.01122	.49669	.17476	102390.	.57039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083244 Acquired: 4/2/2011 0:46:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-801.75**	F **213.15**	F **-91858.**	**.00797**	**.00778**	**5.5274**	**.00832**
Stddev	86.75	.77	98.	.00029	.00100	.0320	.00034
%RSD	10.820	.35893	.10720	3.5915	12.854	.57957	4.1083
#1	-818.69	214.02	-91965.	.00810	.00803	5.5600	.00865
#2	-878.77	212.89	-91839.	.00817	.00668	5.4959	.00833
#3	-707.77	212.55	-91771.	.00764	.00864	5.5264	.00797
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22920**	**.25386**	**.00667**	**.26943**	**1.9026**	F **93.513**
Stddev	.00048	.00139	.00043	.00063	.0032	.489
%RSD	.21057	.54848	6.4666	.23221	.16656	.52280
#1	.22866	.25270	.00684	.26922	1.9034	93.579
#2	.22936	.25349	.00698	.27013	1.9052	93.965
#3	.22959	.25541	.00618	.26893	1.8991	92.994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64857.**	**66753.**
Stddev	96.	611.
%RSD	.14739	.91484
#1	64755.	67394.
#2	64873.	66685.
#3	64944.	66179.

Approved: April 04, 2011

Sample Name: L1103083245 Acquired: 4/2/2011 0:49:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**102.82**	**.07861**	**.08581**	**1.0080**	**.00725**	**26.730**
Stddev	.00012	1.31	.00075	.00064	.0021	.00005	.057
%RSD	3.0372	1.2712	.95139	.74198	.20907	.69489	.21489
#1	.00378	102.56	.07894	.08649	1.0087	.00730	26.700
#2	.00397	104.23	.07913	.08571	1.0096	.00727	26.797
#3	.00375	101.65	.07775	.08523	1.0056	.00720	26.695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00734**	**.10165**	**.15988**	**.14905**	**183.92**	**11.315**	**.08127**
Stddev	.00004	.00037	.00064	.00067	.35	.033	.00123
%RSD	.49867	.36138	.40263	.44805	.18968	.28997	1.5109
#1	.00733	.10144	.16062	.14947	183.64	11.291	.08134
#2	.00738	.10145	.15958	.14828	184.31	11.302	.08000
#3	.00731	.10208	.15943	.14940	183.80	11.353	.08245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.486**	**3.9995**	**.00889**	**.68682**	**.13396**	F **67708.**	**.43216**
Stddev	.090	.0089	.00036	.00262	.00073	64.	.00092
%RSD	.54561	.22156	3.9954	.38124	.54731	.09513	.21196
#1	16.382	3.9913	.00883	.68381	.13409	67674.	.43129
#2	16.536	4.0089	.00857	.68816	.13318	67667.	.43208
#3	16.540	3.9983	.00927	.68851	.13463	67782.	.43312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083245 Acquired: 4/2/2011 0:49:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-891.14**	F **188.18**	F **-83667.**	**.00700**	**.00766**	**6.4426**	**.00514**
Stddev	811.44	.56	47.	.00031	.00094	.0100	.00014
%RSD	91.057	.29986	.05588	4.4753	12.288	.15591	2.7344
#1	-1767.4	188.63	-83616.	.00707	.00662	6.4499	.00503
#2	-165.75	188.37	-83707.	.00727	.00791	6.4468	.00530
#3	-740.23	187.55	-83680.	.00666	.00845	6.4312	.00508
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18420**	**.31000**	**.00441**	**.24157**	**1.2620**	F **82.376**
Stddev	.00010	.00131	.00099	.00147	.0008	.782
%RSD	.05472	.42323	22.445	.60929	.06276	.94947
#1	.18429	.30998	.00555	.24256	1.2611	83.273
#2	.18409	.31133	.00379	.24228	1.2626	82.020
#3	.18421	.30871	.00389	.23988	1.2623	81.834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65408.**	**66762.**
Stddev	284.	450.
%RSD	.43451	.67379
#1	65179.	67154.
#2	65319.	66271.
#3	65726.	66860.

Approved: April 04, 2011

Sample Name: L1103083246 Acquired: 4/2/2011 0:53:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00467**	**116.79**	**.11238**	**.12190**	**1.0764**	**.01068**	**22.527**
Stddev	.00032	2.14	.00084	.00192	.0055	.00003	.123
%RSD	6.8440	1.8358	.74394	1.5735	.51024	.24320	.54687
#1	.00489	115.25	.11333	.11995	1.0734	.01069	22.391
#2	.00430	115.89	.11176	.12379	1.0827	.01069	22.630
#3	.00482	119.24	.11206	.12196	1.0730	.01065	22.561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00791**	**.15749**	**.22533**	**.15724**	**294.31**	**6.5250**	**.08033**
Stddev	.00009	.00046	.00018	.00043	3.83	.0449	.00093
%RSD	1.1234	.28970	.08153	.27441	1.3027	.68821	1.1630
#1	.00782	.15759	.22539	.15757	290.76	6.4733	.08012
#2	.00800	.15789	.22512	.15738	298.37	6.5545	.07952
#3	.00792	.15699	.22547	.15675	293.80	6.5472	.08135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.956**	**6.0265**	**.01050**	**4.7940**	**.16785**	F **37984.**	**.42484**
Stddev	.129	.0228	.00012	.0320	.00047	22.	.00057
%RSD	.71908	.37804	1.1605	.66667	.28272	.05902	.13426
#1	17.807	6.0008	.01051	4.7574	.16752	37969.	.42448
#2	18.025	6.0346	.01037	4.8080	.16839	37973.	.42550
#3	18.036	6.0442	.01061	4.8166	.16762	38010.	.42453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083246 Acquired: 4/2/2011 0:53:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-935.71**	F **80.337**	F **-30021.**	**.00760**	**.00728**	**5.2088**	**.00404**
Stddev	409.67	.288	53.	.00115	.00234	.0179	.00016
%RSD	43.781	.35875	.17678	15.078	32.203	.34305	3.8333
#1	-1386.8	80.342	-29997.	.00885	.00984	5.1951	.00397
#2	-586.74	80.623	-29984.	.00736	.00678	5.2290	.00394
#3	-833.62	80.047	-30081.	.00659	.00523	5.2024	.00422
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19342**	**.24547**	**.00878**	**.35002**	**1.0776**	F **115.15**
Stddev	.00078	.00187	.00098	.00041	.0008	.50
%RSD	.40513	.76164	11.204	.11726	.07570	.43456
#1	.19253	.24357	.00947	.34977	1.0785	114.81
#2	.19373	.24731	.00921	.35049	1.0770	114.91
#3	.19400	.24553	.00765	.34980	1.0773	115.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64977.**	**66871.**
Stddev	91.	444.
%RSD	.14073	.66340
#1	64885.	67312.
#2	64979.	66877.
#3	65067.	66424.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 0:56:57 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41423**	**10.291**	**.41023**	**.50506**	**1.0197**	**.05085**	**10.192**
Stddev	.00294	.069	.00505	.00441	.0043	.00040	.053
%RSD	.70971	.66837	1.2305	.87395	.41683	.78787	.51870
#1	.41142	10.214	.40506	.50054	1.0165	.05046	10.164
#2	.41397	10.311	.41047	.50527	1.0181	.05084	10.160
#3	.41729	10.347	.41515	.50936	1.0245	.05126	10.253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05205**	**.21005**	**.51477**	**.52360**	**4.1864**	**51.640**	**1.0173**
Stddev	.00032	.00143	.00297	.00388	.0120	.111	.0040
%RSD	.60725	.68201	.57678	.74143	.28538	.21532	.39845
#1	.05170	.20866	.51179	.51984	4.1788	51.597	1.0139
#2	.05213	.20998	.51478	.52335	4.1801	51.557	1.0161
#3	.05231	.21152	.51773	.52759	4.2002	51.766	1.0218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.727**	**.52248**	**1.0717**	**51.265**	**.52364**	F **49.308**	**.53134**
Stddev	.009	.00164	.0003	.204	.00216	18.801	.00345
%RSD	.08346	.31359	.02574	.39777	.41327	38.130	.64959
#1	10.720	.52133	1.0714	51.214	.52140	70.404	.53152
#2	10.723	.52175	1.0720	51.092	.52381	43.197	.52780
#3	10.737	.52435	1.0717	51.490	.52572	34.322	.53469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 0:56:57 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1874.4**	**10.674**	F **30.771**	**1.2961**	**.41050**	F **.08056**	**1.0998**
Stddev	536.5	.097	14.399	.0037	.00534	.00079	.0046
%RSD	28.624	.90868	46.793	.28178	1.3007	.97912	.42057
#1	2343.5	10.613	31.916	1.2939	.40744	.07987	1.0951
#2	1990.3	10.623	15.834	1.2942	.40739	.08038	1.1001
#3	1289.4	10.786	44.563	1.3004	.41666	.08142	1.1043
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0109**	**1.0824**	**.53069**	**1.0275**	**1.0447**	F **1.1708**
Stddev	.0045	.0042	.00281	.0082	.0049	.1561
%RSD	.44189	.38311	.52977	.79495	.47283	13.335
#1	1.0097	1.0794	.52826	1.0190	1.0393	1.0487
#2	1.0071	1.0807	.53004	1.0282	1.0461	1.3468
#3	1.0158	1.0872	.53377	1.0353	1.0488	1.1170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65336.**	**63465.**
Stddev	469.	90.
%RSD	.71731	.14159
#1	65860.	63468.
#2	65191.	63553.
#3	64956.	63374.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 1:00:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00029**	**-.00005**	**.00144**	**-.00005**	**.00001**	**-.01772**
Stddev	.00047	.00094	.00096	.00083	.00009	.00001	.00917
%RSD	101.39	326.94	2046.4	57.671	173.67	241.23	51.727
#1	-.00101	.00135	.00079	.00102	-.00012	.00002	-.01372
#2	-.00024	-.00041	-.00109	.00090	-.00009	.00001	-.01124
#3	-.00015	-.00008	.00015	.00239	.00005	-.00001	-.02821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00001**	**.00016**	**.00027**	**-.00110**	**.09194**	**-.00118**
Stddev	.00006	.00008	.00007	.00055	.00053	.01742	.00074
%RSD	159.00	744.86	42.662	201.12	48.501	18.951	62.899
#1	.00003	.00008	.00018	.00088	-.00143	.09100	-.00203
#2	-.00005	.00004	.00009	-.00018	-.00139	.07501	-.00072
#3	-.00008	-.00008	.00022	.00011	-.00049	.10982	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01269**	**-.00004**	**.00025**	**-.00208**	**-.00052**	F **41.391**	**-.00143**
Stddev	.00955	.00023	.00008	.01152	.00043	35.605	.00122
%RSD	75.277	652.47	32.098	553.24	81.996	86.020	85.117
#1	-.00325	.00020	.00022	.00445	-.00003	4.1661	-.00130
#2	-.01245	-.00005	.00020	-.01538	-.00082	44.889	-.00028
#3	-.02235	-.00026	.00035	.00468	-.00070	75.117	-.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 1:00:17 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1638.7**	F **.02294**	F **-10.430**	**.00016**	**-.00039**	**.00611**	**.00050**
Stddev	635.9	.03643	7.084	.00132	.00149	.00268	.00017
%RSD	38.807	158.84	67.922	836.74	385.22	43.885	33.763
#1	910.24	.02458	-17.092	-.00093	.00122	.00872	.00035
#2	2083.0	-.01429	-11.211	-.00023	-.00172	.00623	.00046
#3	1923.0	.05852	-2.9877	.00163	-.00066	.00337	.00068
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00120**	**-.00046**	**-.00010**	**.00013**	**-.09597**
Stddev	.00005	.00030	.00028	.00019	.00002	.21672
%RSD	101.48	24.815	61.438	194.85	15.293	225.83
#1	.00000	-.00117	-.00078	-.00015	.00013	.10396
#2	.00004	-.00092	-.00033	.00011	.00011	-.32628
#3	.00009	-.00152	-.00026	-.00026	.00015	-.06558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66816.**	**64145.**
Stddev	89.	400.
%RSD	.13269	.62301
#1	66731.	64043.
#2	66908.	64585.
#3	66808.	63806.

Approved: April 04, 2011

Sample Name: L1103083247 Acquired: 4/2/2011 1:03:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00330**	**38.994**	**.08774**	**.08446**	**.60377**	**.00383**
Stddev	.00030	.200	.00287	.00020	.00201	.00002
%RSD	9.0098	.51406	3.2757	.23907	.33260	.50595
#1	.00320	38.987	.08906	.08423	.60432	.00380
#2	.00307	38.796	.08444	.08450	.60545	.00384
#3	.00364	39.197	.08971	.08463	.60155	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2403.5**	**.05375**	**.06113**	**.06831**	**.22762**	**156.58**
Stddev	20.9	.00003	.00033	.00036	.00042	.64
%RSD	.86996	.06322	.54200	.53220	.18499	.41159
#1	2418.3	.05372	.06129	.06833	.22714	156.22
#2	2412.7	.05379	.06075	.06867	.22775	157.32
#3	2379.6	.05373	.06136	.06795	.22795	156.19
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7279**	**.41678**	**122.93**	**6.4369**	**.00812**	**3.7065**
Stddev	.0386	.00337	.50	.0070	.00031	.0098
%RSD	.44217	.80917	.40567	.10832	3.7796	.26496
#1	8.7193	.41923	122.50	6.4347	.00831	3.6988
#2	8.7700	.41817	123.48	6.4447	.00828	3.7031
#3	8.6943	.41293	122.81	6.4312	.00777	3.7176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083247 Acquired: 4/2/2011 1:03:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17402**	F **73732.**	**1.2159**	F **-700.73**	F **5465.2**	F **-214590.**
Stddev	.00015	117.	.0023	271.45	4.4	342.
%RSD	.08510	.15900	.18546	38.738	.08093	.15954
#1	.17386	73859.	1.2185	-492.45	5464.5	-214980.
#2	.17414	73629.	1.2145	-1007.7	5461.2	-214480.
#3	.17406	73707.	1.2147	-602.01	5469.9	-214320.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01289**	**.00551**	**7.0590**	**.00032**	F **22.642**	**.08436**
Stddev	.00174	.00322	.0363	.00026	.137	.00073
%RSD	13.518	58.405	.51429	80.981	.60283	.87002
#1	.01227	.00233	7.1004	.00004	22.492	.08403
#2	.01154	.00544	7.0445	.00037	22.758	.08521
#3	.01486	.00877	7.0323	.00055	22.678	.08386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00207**	**.12237**	**8.3448**	F **47.076**
Stddev	.00027	.00039	.0064	.234
%RSD	12.967	.31733	.07627	.49779
#1	.00190	.12255	8.3387	46.981
#2	.00237	.12263	8.3442	46.905
#3	.00193	.12192	8.3514	47.343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083247 Acquired: 4/2/2011 1:03:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**52059.**	**59878.**
Stddev	62.	408.
%RSD	.11890	.68069
#1	51989.	60066.
#2	52106.	59411.
#3	52082.	60159.

Approved: April 04, 2011

Sample Name: L1103083248 Acquired: 4/2/2011 1:07:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01678**	**175.10**	**.25184**	**.15093**	**.68987**	**.01290**	F **1173.6**
Stddev	.00029	.99	.00224	.00041	.00076	.00009	27.1
%RSD	1.6982	.56423	.88794	.26983	.11012	.66496	2.3069
#1	.01674	175.86	.25333	.15048	.68904	.01292	1161.3
#2	.01652	175.46	.25294	.15128	.69004	.01297	1154.8
#3	.01709	173.99	.24927	.15102	.69053	.01280	1204.6
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07904**	**.25177**	**.21647**	**.67530**	**366.88**	**10.297**	**.25787**
Stddev	.00051	.00177	.00197	.00514	.80	.043	.00020
%RSD	.64204	.70216	.91011	.76060	.21941	.42236	.07678
#1	.07934	.25257	.21704	.67839	366.16	10.252	.25770
#2	.07933	.25300	.21808	.67814	366.74	10.299	.25782
#3	.07846	.24974	.21427	.66937	367.75	10.339	.25809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.938**	**11.320**	**.01653**	**4.0175**	**.30396**	F **37951.**	**2.1380**
Stddev	.210	.016	.00008	.0093	.00183	274.	.0093
%RSD	.36225	.13954	.49371	.23247	.60153	.72069	.43442
#1	57.697	11.302	.01657	4.0070	.30504	38098.	2.1421
#2	58.081	11.332	.01644	4.0249	.30499	38120.	2.1445
#3	58.036	11.326	.01658	4.0207	.30185	37636.	2.1273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083248 Acquired: 4/2/2011 1:07:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-858.33**	F **1443.7**	F **-75574.**	**.02251**	**.01218**	**6.1339**	**.00950**
Stddev	337.19	8.2	382.	.00025	.00071	.0526	.00008
%RSD	39.284	.56911	.50551	1.0914	5.8358	.85775	.81006
#1	-765.22	1448.7	-75843.	.02244	.01280	6.1570	.00941
#2	-577.49	1448.1	-75742.	.02231	.01140	6.1710	.00955
#3	-1232.3	1434.2	-75136.	.02279	.01233	6.0737	.00955
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.9901**	**.19382**	**.01230**	**.34666**	**15.077**	F **161.69**
Stddev	.0925	.00032	.00033	.00125	.057	1.50
%RSD	1.5443	.16350	2.6934	.36020	.38095	.92656
#1	5.9017	.19418	.01238	.34601	15.118	162.15
#2	5.9823	.19368	.01259	.34810	15.100	162.91
#3	6.0862	.19360	.01194	.34588	15.011	160.02
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	4.5000					45.000
Low Limit	-.01000					-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**57910.**	**64000.**
Stddev	253.	35.
%RSD	.43761	.05508
#1	57753.	63999.
#2	57776.	63965.
#3	58203.	64035.

Approved: April 04, 2011

Sample Name: L1103083301 Acquired: 4/2/2011 1:11:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00145**	**23.041**	**.03425**	**.08211**	**.57258**	**.00226**
Stddev	.00090	.077	.00162	.00081	.00249	.00003
%RSD	62.336	.33391	4.7261	.98798	.43453	1.4784
#1	-.00209	22.952	.03538	.08241	.57534	.00226
#2	-.00042	23.088	.03497	.08272	.57193	.00223
#3	-.00184	23.083	.03240	.08119	.57049	.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2502.8**	**.01061**	**.03370**	**.05414**	**.13482**	**105.42**
Stddev	20.1	.00014	.00018	.00015	.00094	.29
%RSD	.80127	1.3084	.54113	.27478	.69809	.27225
#1	2520.2	.01061	.03388	.05402	.13457	105.75
#2	2507.5	.01074	.03352	.05410	.13403	105.26
#3	2480.9	.01047	.03371	.05431	.13586	105.26
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3061**	**.55804**	**239.50**	**7.9558**	**.01130**	**3.4411**
Stddev	.0425	.01192	.49	.0187	.00033	.0283
%RSD	.45665	2.1356	.20454	.23567	2.8995	.82202
#1	9.3546	.56878	240.05	7.9749	.01096	3.4738
#2	9.2886	.54522	239.10	7.9374	.01132	3.4252
#3	9.2752	.56013	239.35	7.9552	.01161	3.4244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083301 Acquired: 4/2/2011 1:11:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15692**	F **97389.**	**.18060**	F **-822.77**	F **7500.2**	F **-342560.**
Stddev	.00042	235.	.00245	476.18	8.9	418.
%RSD	.26534	.24165	1.3589	57.876	.11808	.12188
#1	.15726	97133.	.17908	-1372.6	7497.9	-342410.
#2	.15646	97595.	.17929	-549.30	7492.8	-342240.
#3	.15705	97440.	.18343	-546.39	7510.0	-343040.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00662**	**.01083**	**10.590**	**-.00251**	F **33.089**	**.06110**
Stddev	.00128	.00357	.024	.00046	.620	.00029
%RSD	19.344	32.989	.22305	18.285	1.8740	.47834
#1	.00536	.00673	10.572	-.00200	33.262	.06082
#2	.00657	.01331	10.580	-.00263	32.401	.06140
#3	.00792	.01244	10.616	-.00289	33.605	.06109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.06440**	**.92557**	**27.993**
Stddev	.00265	.00033	.00067	.093
%RSD	399.70	.51075	.07196	.33343
#1	-.00123	.06403	.92615	28.008
#2	-.00298	.06452	.92571	27.893
#3	.00222	.06466	.92484	28.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 04, 2011

Sample Name: L1103083301 Acquired: 4/2/2011 1:11:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**49065.**	**58929.**
Stddev	49.	356.
%RSD	.09941	.60358
#1	49065.	58520.
#2	49114.	59111.
#3	49016.	59158.

Approved: April 04, 2011

Sample Name: L1103083302 Acquired: 4/2/2011 1:15:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08011**	**76.684**	**.96876**	**.18632**	**1.1489**	**.01006**
Stddev	.00068	.591	.00058	.00605	.0028	.00003
%RSD	.85483	.77030	.06025	3.2464	.24393	.31826
#1	.08003	77.089	.96931	.18154	1.1520	.01008
#2	.07947	76.006	.96814	.19312	1.1467	.01003
#3	.08083	76.957	.96881	.18429	1.1479	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2170.5**	**.31602**	**.19458**	**.20428**	**1.4920**	**446.10**
Stddev	20.0	.00081	.00049	.00042	.0036	8.51
%RSD	.91985	.25491	.24953	.20699	.24278	1.9078
#1	2155.8	.31605	.19465	.20458	1.4930	438.50
#2	2193.2	.31520	.19406	.20380	1.4880	455.30
#3	2162.4	.31680	.19502	.20447	1.4950	444.50
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00					
Low Limit	-.10000					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4024**	**.38945**	**96.941**	**16.100**	**.02794**	**5.5238**
Stddev	.0216	.00305	.175	.028	.00015	.0244
%RSD	.22964	.78416	.18060	.17318	.55086	.44183
#1	9.4022	.38616	96.804	16.073	.02806	5.5075
#2	9.4242	.39220	97.138	16.128	.02798	5.5518
#3	9.3810	.38999	96.880	16.098	.02776	5.5120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083302 Acquired: 4/2/2011 1:15:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28086**	F **96145.**	**8.1243**	F **-1396.6**	F **4227.8**	F **-205350.**
Stddev	.00095	94.	.0052	271.7	5.5	181.
%RSD	.33762	.09755	.06435	19.452	.12955	.08799
#1	.28074	96193.	8.1300	-1390.3	4233.3	-205550.
#2	.28186	96205.	8.1198	-1128.2	4222.3	-205320.
#3	.27997	96037.	8.1231	-1671.4	4227.9	-205190.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07526**	**.01395**	**10.498**	**.01489**	F **18.367**	**.21160**
Stddev	.00140	.00112	.127	.00027	.284	.00090
%RSD	1.8609	8.0546	1.2064	1.7918	1.5479	.42710
#1	.07673	.01447	10.571	.01505	18.095	.21134
#2	.07511	.01472	10.570	.01504	18.662	.21261
#3	.07394	.01266	10.351	.01458	18.344	.21086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					4.5000	
Low Limit					-.01000	

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01305**	**.31118**	F **67.988**	F **75.651**
Stddev	.00131	.00156	.186	.287
%RSD	10.042	.50107	.27426	.37967
#1	.01231	.31114	68.097	75.466
#2	.01456	.30964	67.773	75.505
#3	.01227	.31276	68.094	75.982
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit			45.000	45.000
Low Limit			-.01000	-.00400

Approved: April 04, 2011

Sample Name: L1103083302 Acquired: 4/2/2011 1:15:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**53600.**	**62624.**
Stddev	236.	362.
%RSD	.43994	.57791
#1	53670.	62679.
#2	53794.	62238.
#3	53338.	62956.

Approved: April 04, 2011

Sample Name: L1103083306 Acquired: 4/2/2011 1:19:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00717**	**178.73**	**.13966**	**.14098**	**1.2694**	**.01218**	**34.138**
Stddev	.00046	1.72	.00123	.00256	.0061	.00004	.103
%RSD	6.4626	.96481	.88047	1.8136	.47966	.32873	.30039
#1	.00760	177.47	.13909	.13803	1.2627	.01216	34.021
#2	.00668	180.70	.14107	.14253	1.2710	.01222	34.181
#3	.00723	178.03	.13881	.14237	1.2746	.01215	34.213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04761**	**.11695**	**.26844**	**.26541**	**320.75**	**12.466**	**.15648**
Stddev	.00017	.00034	.00092	.00181	3.88	.044	.00185
%RSD	.34814	.29436	.34101	.68381	1.2095	.35612	1.1830
#1	.04778	.11719	.26851	.26711	316.31	12.430	.15555
#2	.04762	.11710	.26933	.26562	322.40	12.452	.15861
#3	.04745	.11656	.26750	.26350	323.53	12.516	.15528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.142**	**5.9543**	**.01118**	**1.0680**	**.21702**	F **58800.**	**1.0456**
Stddev	.125	.0168	.00017	.0064	.00036	27.	.0013
%RSD	.47659	.28241	1.5067	.59857	.16681	.04545	.11987
#1	26.022	5.9349	.01106	1.0737	.21662	58830.	1.0463
#2	26.133	5.9644	.01137	1.0691	.21711	58778.	1.0464
#3	26.271	5.9636	.01111	1.0611	.21733	58793.	1.0442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083306 Acquired: 4/2/2011 1:19:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1294.3**	F **136.76**	F **-53727.**	**.01082**	**.00694**	**4.5122**	**.01084**
Stddev	463.7	.69	197.	.00188	.00173	.0317	.00054
%RSD	35.830	.50667	.36747	17.397	24.869	.70241	5.0235
#1	-1654.1	137.44	-53930.	.01276	.00631	4.5306	.01111
#2	-770.92	136.79	-53715.	.01068	.00889	4.5304	.01022
#3	-1457.8	136.05	-53536.	.00901	.00562	4.4756	.01120
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23776**	**.25496**	**.00982**	**.37314**	**5.9526**	F **113.10**
Stddev	.00053	.00069	.00034	.00046	.0110	1.04
%RSD	.22402	.26882	3.4889	.12436	.18543	.92110
#1	.23717	.25441	.00985	.37339	5.9417	113.43
#2	.23821	.25573	.00946	.37343	5.9638	113.94
#3	.23788	.25474	.01014	.37260	5.9523	111.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64279.**	**67351.**
Stddev	193.	70.
%RSD	.30097	.10392
#1	64270.	67371.
#2	64091.	67409.
#3	64477.	67274.

Approved: April 04, 2011

Sample Name: L1103083307 Acquired: 4/2/2011 1:22:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**112.91**	**.16592**	**.19629**	**1.2952**	**.01194**
Stddev	.00073	.98	.00114	.00173	.0030	.00005
%RSD	7.1836	.86918	.68723	.87887	.23376	.40022
#1	.01037	114.04	.16545	.19466	1.2924	.01195
#2	.00934	112.40	.16509	.19810	1.2948	.01189
#3	.01074	112.28	.16722	.19612	1.2984	.01199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**252.66**	**.06687**	**.15554**	**.18298**	**.41695**	**428.41**
Stddev	.57	.00019	.00033	.00099	.00149	3.54
%RSD	.22379	.29135	.20976	.53961	.35685	.82682
#1	252.25	.06696	.15573	.18388	.41792	424.37
#2	252.42	.06665	.15516	.18192	.41524	431.01
#3	253.30	.06700	.15573	.18314	.41770	429.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.902**	**.10611**	**31.907**	**11.939**	**.01142**	**.73559**
Stddev	.035	.00062	.173	.025	.00025	.00442
%RSD	.18705	.58443	.54243	.20815	2.1779	.60090
#1	18.867	.10542	31.708	11.914	.01167	.73312
#2	18.902	.10661	32.023	11.964	.01117	.74069
#3	18.938	.10630	31.990	11.940	.01141	.73295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083307 Acquired: 4/2/2011 1:22:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19977**	F **179150.**	**1.9045**	F **-583.53**	F **490.05**	F **-125630.**
Stddev	.00072	184.	.0021	86.68	.61	95.
%RSD	.36130	.10283	.10759	14.854	.12393	.07581
#1	.20059	179320.	1.9069	-675.54	490.75	-125740.
#2	.19922	178950.	1.9035	-503.41	489.65	-125550.
#3	.19951	179170.	1.9031	-571.62	489.75	-125610.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01564**	**.01176**	**6.1804**	**.02316**	**1.2881**	**.26875**
Stddev	.00153	.00123	.0192	.00022	.0023	.00056
%RSD	9.8123	10.490	.30978	.97014	.18017	.20934
#1	.01741	.01314	6.2017	.02309	1.2897	.26908
#2	.01461	.01077	6.1647	.02298	1.2854	.26810
#3	.01491	.01138	6.1748	.02342	1.2891	.26907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01151**	**.35465**	**8.4321**	F **112.44**
Stddev	.00128	.00017	.0043	.51
%RSD	11.116	.04759	.05070	.45579
#1	.01196	.35480	8.4367	112.99
#2	.01007	.35447	8.4312	111.97
#3	.01250	.35469	8.4283	112.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083307 Acquired: 4/2/2011 1:22:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61434.**	**65463.**
Stddev	138.	449.
%RSD	.22469	.68634
#1	61309.	65800.
#2	61412.	64953.
#3	61582.	65636.

Approved: April 04, 2011

Sample Name: L1103083308 Acquired: 4/2/2011 1:26:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	**132.25**	**.16599**	**.14852**	**1.4371**	**.01093**
Stddev	.00052	.35	.00055	.00292	.0054	.00003
%RSD	5.1932	.26460	.32841	1.9679	.37296	.27252
#1	.01055	132.36	.16625	.14869	1.4409	.01093
#2	.00952	132.53	.16536	.15136	1.4394	.01090
#3	.00993	131.86	.16635	.14552	1.4310	.01095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**155.15**	**.07069**	**.13647**	**.20149**	**.43073**	**309.46**
Stddev	.67	.00026	.00062	.00097	.00165	5.03
%RSD	.43423	.36773	.45320	.48385	.38288	1.6265
#1	155.92	.07086	.13702	.20256	.43262	308.69
#2	154.72	.07040	.13580	.20066	.42961	314.83
#3	154.80	.07083	.13659	.20125	.42996	304.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.928**	**.12455**	**31.741**	**7.4624**	**.01202**	**1.0722**
Stddev	.072	.00047	.042	.0072	.00027	.0031
%RSD	.42342	.38009	.13330	.09659	2.2322	.29205
#1	17.005	.12430	31.779	7.4657	.01224	1.0741
#2	16.916	.12509	31.749	7.4673	.01210	1.0686
#3	16.863	.12425	31.696	7.4541	.01172	1.0740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083308 Acquired: 4/2/2011 1:26:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21840**	F **139430.**	**1.9431**	F **-1094.7**	F **390.09**	F **-124870.**
Stddev	.00088	337.	.0037	210.7	1.75	262.
%RSD	.40278	.24166	.18967	19.244	.44820	.20989
#1	.21910	139760.	1.9468	-1034.5	392.05	-125170.
#2	.21741	139090.	1.9394	-920.59	388.70	-124720.
#3	.21870	139460.	1.9431	-1328.8	389.52	-124720.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**.00864**	**5.4083**	**.02638**	**.82737**	**.29241**
Stddev	.00134	.00034	.0261	.00048	.00293	.00084
%RSD	10.537	3.9811	.48206	1.8106	.35369	.28645
#1	.01183	.00895	5.3917	.02622	.83075	.29327
#2	.01209	.00827	5.4384	.02692	.82572	.29235
#3	.01427	.00870	5.3948	.02600	.82565	.29160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00767**	**.29855**	**8.6034**	F **89.489**
Stddev	.00137	.00066	.0119	.235
%RSD	17.911	.22151	.13817	.26205
#1	.00680	.29837	8.6161	89.722
#2	.00926	.29929	8.5925	89.253
#3	.00696	.29800	8.6018	89.493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083308 Acquired: 4/2/2011 1:26:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63196.**	**66304.**
Stddev	241.	522.
%RSD	.38061	.78713
#1	62918.	65708.
#2	63321.	66682.
#3	63348.	66522.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 1:30:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41706**	**10.349**	**.40840**	**.50822**	**1.0214**	**.05096**	**10.335**
Stddev	.00175	.040	.00199	.00212	.0011	.00038	.027
%RSD	.42067	.39066	.48752	.41624	.10973	.75193	.25934
#1	.41881	10.396	.41070	.51061	1.0226	.05127	10.344
#2	.41530	10.330	.40722	.50660	1.0207	.05053	10.305
#3	.41708	10.322	.40729	.50744	1.0207	.05109	10.356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05197**	**.20894**	**.51515**	**.52220**	**4.2104**	**51.774**	**1.0228**
Stddev	.00009	.00072	.00275	.00149	.0139	.135	.0015
%RSD	.18228	.34405	.53397	.28621	.33050	.26130	.14363
#1	.05208	.20973	.51735	.52392	4.2194	51.737	1.0226
#2	.05192	.20877	.51206	.52143	4.2175	51.661	1.0214
#3	.05191	.20832	.51603	.52125	4.1944	51.924	1.0243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.686**	**.52395**	**1.0772**	**51.414**	**.52430**	F **57.405**	**.52677**
Stddev	.032	.00037	.0017	.295	.00111	32.353	.00053
%RSD	.30112	.07145	.15900	.57413	.21211	56.359	.10060
#1	10.655	.52376	1.0753	51.285	.52559	41.231	.52737
#2	10.683	.52372	1.0785	51.205	.52370	36.328	.52657
#3	10.719	.52439	1.0778	51.752	.52362	94.655	.52637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 1:30:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2333.2**	**10.772**	**9.1232**	**1.2877**	**.40750**	F **.08154**	**1.0988**
Stddev	408.7	.028	13.669	.0024	.00288	.00203	.0012
%RSD	17.517	.25918	149.83	.18808	.70571	2.4835	.10683
#1	1884.0	10.741	21.376	1.2860	.41030	.08008	1.0993
#2	2683.2	10.780	11.613	1.2865	.40456	.08069	1.0996
#3	2432.2	10.794	-5.6194	1.2904	.40764	.08385	1.0975
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000					5.0000	
Range	10.000%					-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0139**	**1.0839**	**.52917**	**1.0322**	**1.0419**	**1.0242**
Stddev	.0050	.0014	.00104	.0058	.0006	.1554
%RSD	.49438	.13406	.19667	.55949	.05338	15.169
#1	1.0114	1.0838	.52943	1.0378	1.0413	1.1644
#2	1.0107	1.0825	.52803	1.0262	1.0420	1.0510
#3	1.0197	1.0854	.53006	1.0325	1.0424	.85716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65676.**	**64198.**
Stddev	46.	279.
%RSD	.06999	.43443
#1	65623.	64454.
#2	65700.	64241.
#3	65705.	63901.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 1:33:22 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00367**	**.00009**	**.00085**	**.00005**	**.00001**	**.05328**
Stddev	.00004	.00057	.00071	.00028	.00009	.00001	.00516
%RSD	27.066	15.625	822.28	32.685	158.91	52.989	9.6764
#1	-.00012	.00331	.00025	.00059	-.00001	.00002	.05323
#2	-.00020	.00337	-.00069	.00081	.00002	.00000	.05845
#3	-.00015	.00433	.00070	.00114	.00015	.00002	.04814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00002**	**.00006**	**.00018**	**.01528**	**.08132**	**.00021**
Stddev	.00008	.00004	.00022	.00062	.00191	.02892	.00121
%RSD	107.86	261.53	369.22	346.01	12.479	35.561	589.95
#1	-.00016	.00001	-.00019	.00079	.01743	.11058	-.00062
#2	-.00006	.00007	.00017	.00020	.01380	.08061	-.00036
#3	.00000	-.00002	.00020	-.00045	.01461	.05276	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00846**	**.00056**	**.00025**	**-.00448**	**-.00031**	F **52.761**	**-.00001**
Stddev	.00723	.00023	.00008	.00625	.00019	30.532	.00080
%RSD	85.479	41.056	30.323	139.46	60.908	57.868	13447.
#1	-.00022	.00064	.00016	-.00145	-.00020	56.163	.00023
#2	-.01142	.00030	.00031	-.00033	-.00052	20.671	-.00090
#3	-.01374	.00075	.00027	-.01166	-.00020	81.449	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 1:33:22 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1660.6**	F **.09628**	F **-21.253**	**-.00024**	**-.00092**	**.00588**	**.00049**
Stddev	280.7	.01405	13.464	.00073	.00026	.00084	.00014
%RSD	16.902	14.595	63.350	303.02	28.625	14.293	28.789
#1	1518.4	.09082	-6.1099	-.00106	-.00116	.00492	.00045
#2	1983.9	.11225	-31.872	.00001	-.00098	.00627	.00038
#3	1479.4	.08578	-25.777	.00033	-.00064	.00646	.00065
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.00162**	**.00050**	**-.00008**	**.00061**	**-.03523**
Stddev	.00005	.00039	.00078	.00017	.00012	.09824
%RSD	12.350	24.003	155.50	207.22	19.023	278.83
#1	.00037	-.00191	.00120	-.00011	.00070	-.11855
#2	.00043	-.00177	-.00034	.00010	.00064	.07310
#3	.00034	-.00118	.00063	-.00024	.00048	-.06025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67133.**	**63829.**
Stddev	83.	661.
%RSD	.12299	1.0353
#1	67215.	64208.
#2	67135.	63066.
#3	67050.	64214.

Approved: April 04, 2011

Sample Name: PBS 2R Acquired: 4/2/2011 1:36:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00050**	**-.00276**	**.00035**	**.00119**	**.00002**	**.18924**
Stddev	.00059	.00201	.00033	.00034	.00012	.00002	.00106
%RSD	414.80	402.38	11.952	98.182	10.366	85.166	.56144
#1	-.00013	.00164	-.00313	.00034	.00111	.00001	.19007
#2	.00082	-.00078	-.00266	.00001	.00112	.00001	.18962
#3	-.00026	-.00236	-.00249	.00070	.00133	.00004	.18804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00032**	**.00078**	**.00052**	**.01577**	**.07863**	**-.00163**
Stddev	.00002	.00005	.00015	.00030	.00207	.02531	.00030
%RSD	13.675	15.030	19.191	57.869	13.098	32.196	18.176
#1	.00014	-.00026	.00075	.00060	.01380	.06255	-.00187
#2	.00014	-.00034	.00094	.00077	.01558	.06552	-.00130
#3	.00011	-.00035	.00064	.00019	.01792	.10781	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11338**	**.00019**	**.00044**	**.05718**	**.00025**	F **-83.077**	**-.00022**
Stddev	.00741	.00030	.00022	.00559	.00023	28.506	.00120
%RSD	6.5356	157.59	49.868	9.7729	91.866	34.313	538.13
#1	.11045	-.00002	.00067	.05366	.00052	-99.290	-.00161
#2	.12180	.00053	.00044	.05425	.00007	-99.779	.00055
#3	.10788	.00005	.00022	.06362	.00017	-50.162	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: PBS 2R Acquired: 4/2/2011 1:36:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **800.97**	**.99896**	F **-379.65**	**.00248**	**-.00057**	**.03231**	**-.00518**
Stddev	404.12	.02341	5.50	.00060	.00089	.00110	.00017
%RSD	50.454	2.3430	1.4490	24.014	156.21	3.4142	3.2689
#1	492.73	1.0254	-381.08	.00196	.00044	.03343	-.00526
#2	651.69	.98102	-373.57	.00313	-.00122	.03227	-.00530
#3	1258.5	.99043	-384.29	.00236	-.00093	.03123	-.00499
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**-.00099**	**-.00252**	**.00002**	**.00319**	F **-.18366**
Stddev	.00008	.00046	.00078	.00013	.00009	.03032
%RSD	6.9318	46.111	31.081	692.34	2.7675	16.509
#1	.00105	-.00067	-.00339	-.00009	.00314	-.15124
#2	.00108	-.00078	-.00233	.00017	.00314	-.18842
#3	.00119	-.00151	-.00186	-.00002	.00329	-.21132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65799.**	**64226.**
Stddev	451.	546.
%RSD	.68598	.84971
#1	65449.	64855.
#2	65641.	63934.
#3	66309.	63888.

Approved: April 04, 2011

Sample Name: LCSS 2R Acquired: 4/2/2011 1:40:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19642**	**-.00257**	**.19348**	**.00017**	**.00109**	**.00004**	**.08698**
Stddev	.00097	.00078	.00224	.00014	.00018	.00001	.01418
%RSD	.49162	30.552	1.1588	79.847	16.415	36.946	16.299
#1	.19590	-.00222	.19475	.00020	.00126	.00003	.09008
#2	.19582	-.00347	.19089	.00029	.00091	.00006	.09935
#3	.19754	-.00202	.19481	.00002	.00111	.00003	.07151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02477**	**-.00034**	**.03927**	**.26179**	**.18941**	**.05275**	**-.00240**
Stddev	.00012	.00009	.00025	.00082	.00130	.02859	.00113
%RSD	.47469	27.174	.64425	.31263	.68590	54.199	47.302
#1	.02490	-.00038	.03899	.26270	.18815	.08298	-.00368
#2	.02466	-.00040	.03936	.26111	.19075	.02615	-.00156
#3	.02476	-.00023	.03947	.26155	.18932	.04913	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03771**	**.26905**	**.00133**	**.03551**	**.00145**	F **-85.047**	**.26866**
Stddev	.00578	.00309	.00026	.00577	.00017	7.317	.00129
%RSD	15.333	1.1481	19.260	16.256	11.794	8.6037	.47966
#1	.04438	.26580	.00149	.03730	.00145	-91.365	.27005
#2	.03402	.26938	.00103	.02906	.00162	-86.745	.26751
#3	.03474	.27195	.00147	.04018	.00128	-77.030	.26840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: LCSS 2R Acquired: 4/2/2011 1:40:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **775.78**	**.44173**	F **-158.24**	**.00368**	**.00139**	**.04606**	**-.00522**
Stddev	458.46	.01613	11.80	.00105	.00080	.00090	.00007
%RSD	59.096	3.6521	7.4580	28.456	57.253	1.9468	1.2896
#1	246.54	.44036	-165.14	.00373	.00154	.04539	-.00529
#2	1030.0	.42633	-164.96	.00260	.00210	.04708	-.00522
#3	1050.8	.45850	-144.61	.00469	.00053	.04570	-.00516
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00048**	**-.00237**	**.00016**	**.00400**	F **-.10908**
Stddev	.00005	.00061	.00075	.00017	.00003	.13695
%RSD	10.516	126.15	31.517	106.79	.81011	125.56
#1	.00050	.00000	-.00170	.00022	.00404	-.25690
#2	.00042	-.00117	-.00224	-.00003	.00398	.01347
#3	.00051	-.00028	-.00318	.00028	.00398	-.08380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65846.**	**64809.**
Stddev	162.	279.
%RSD	.24669	.43006
#1	65660.	65130.
#2	65915.	64629.
#3	65962.	64668.

Approved: April 04, 2011

Sample Name: L1103083303 Acquired: 4/2/2011 1:44:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01206**	**161.31**	**.19620**	**.13977**	**1.2987**	**.01014**	**51.764**
Stddev	.00004	.88	.00118	.00467	.0027	.00002	.042
%RSD	.29875	.54750	.60296	3.3447	.21012	.17835	.08144
#1	.01210	160.98	.19747	.14165	1.3001	.01013	51.792
#2	.01205	162.31	.19598	.13444	1.3003	.01016	51.785
#3	.01204	160.64	.19514	.14320	1.2955	.01013	51.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10472**	**.10297**	**.23012**	**.37234**	**280.63**	**15.235**	**.14402**
Stddev	.00037	.00016	.00121	.00152	5.51	.014	.00215
%RSD	.34911	.15574	.52400	.40951	1.9625	.09073	1.4919
#1	.10472	.10314	.22889	.37107	284.86	15.249	.14256
#2	.10509	.10282	.23019	.37403	274.40	15.233	.14302
#3	.10436	.10297	.23130	.37192	282.63	15.222	.14649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.977**	**6.4929**	**.01250**	**.87172**	**.19177**	F **83002.**	**2.6082**
Stddev	.109	.0167	.00029	.00428	.00044	160.	.0056
%RSD	.43835	.25688	2.3411	.49116	.23024	.19238	.21285
#1	25.099	6.5082	.01222	.86828	.19150	82917.	2.6027
#2	24.888	6.4751	.01280	.87651	.19227	83187.	2.6081
#3	24.944	6.4956	.01246	.87036	.19152	82903.	2.6138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083303 Acquired: 4/2/2011 1:44:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1631.3**	F **229.81**	F **-92412.**	**.01669**	**.01013**	**3.9619**	**.02271**
Stddev	514.1	.74	248.	.00086	.00262	.0061	.00015
%RSD	31.512	.32320	.26867	5.1543	25.844	.15335	.67846
#1	-1041.2	230.20	-92561.	.01763	.01315	3.9689	.02284
#2	-1981.9	230.27	-92550.	.01650	.00874	3.9578	.02254
#3	-1870.8	228.95	-92126.	.01594	.00850	3.9591	.02275
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31631**	**.27334**	**.00844**	**.33268**	**12.165**	F **87.527**
Stddev	.00070	.00038	.00031	.00120	.037	.667
%RSD	.21980	.13986	3.7197	.36128	.30652	.76217
#1	.31609	.27336	.00840	.33304	12.123	87.052
#2	.31574	.27295	.00877	.33366	12.178	87.240
#3	.31709	.27372	.00815	.33134	12.193	88.290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64079.**	**68040.**
Stddev	147.	763.
%RSD	.22902	1.1218
#1	64247.	67165.
#2	64014.	68569.
#3	63976.	68387.

Approved: April 04, 2011

Sample Name: L1103083304S Acquired: 4/2/2011 1:47:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19390**	**146.73**	**.37983**	**.13726**	**1.3672**	**.01000**
Stddev	.00090	2.29	.00190	.00188	.0040	.00005
%RSD	.46533	1.5577	.49957	1.3685	.29282	.51058
#1	.19310	144.15	.38006	.13676	1.3635	.00997
#2	.19488	148.49	.38160	.13933	1.3667	.01006
#3	.19372	147.55	.37782	.13568	1.3715	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.998**	**.12741**	**.10060**	**.20830**	**.61123**	**276.04**
Stddev	.266	.00013	.00012	.00099	.00023	4.09
%RSD	.47416	.10476	.12295	.47749	.03695	1.4808
#1	55.848	.12726	.10063	.20913	.61099	274.11
#2	55.842	.12750	.10071	.20858	.61144	280.74
#3	56.305	.12748	.10047	.20720	.61127	273.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.998**	**.12774**	**24.973**	**6.8507**	**.01197**	**.81587**
Stddev	.048	.00182	.258	.0232	.00022	.00486
%RSD	.34480	1.4252	1.0341	.33802	1.8463	.59524
#1	13.952	.12565	24.722	6.8415	.01204	.82111
#2	13.992	.12895	24.959	6.8335	.01215	.81151
#3	14.048	.12863	25.238	6.8770	.01172	.81500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083304S Acquired: 4/2/2011 1:47:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18865	F 87135.	2.7730	F -1736.6	F 249.05	F -100440.
Stddev	.00015	124.	.0056	221.4	.43	140.
%RSD	.07801	.14200	.20019	12.751	.17071	.13889
#1	.18874	87235.	2.7793	-1696.8	249.32	-100480.
#2	.18873	86997.	2.7708	-1975.2	249.27	-100550.
#3	.18848	87174.	2.7689	-1537.7	248.56	-100280.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01872	.00961	5.7930	.01969	.33615	.29677
Stddev	.00188	.00160	.0040	.00037	.00132	.00157
%RSD	10.029	16.609	.06868	1.8822	.39314	.52932
#1	.01869	.01056	5.7970	.01955	.33645	.29814
#2	.01686	.00777	5.7930	.01942	.33470	.29506
#3	.02062	.01050	5.7890	.02011	.33729	.29712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00825	.31207	11.819	F 86.370
Stddev	.00068	.00159	.009	.535
%RSD	8.2534	.50925	.07320	.61984
#1	.00899	.31057	11.821	85.996
#2	.00810	.31374	11.825	86.983
#3	.00765	.31191	11.809	86.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083304S Acquired: 4/2/2011 1:47:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64014.**	**66604.**
Stddev	135.	524.
%RSD	.21020	.78692
#1	63895.	67169.
#2	63986.	66509.
#3	64160.	66134.

Approved: April 04, 2011

Sample Name: L1103083305SD Acquired: 4/2/2011 1:51:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19852**	**161.50**	**.40105**	**.14790**	**1.4207**	**.01052**	**54.634**
Stddev	.00072	.75	.00073	.00263	.0056	.00001	.188
%RSD	.36351	.46331	.18267	1.7763	.39185	.09060	.34461
#1	.19769	160.67	.40139	.15093	1.4165	.01052	54.552
#2	.19904	162.11	.40154	.14658	1.4187	.01052	54.501
#3	.19882	161.72	.40021	.14620	1.4270	.01051	54.850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15580**	**.13243**	**.22358**	**.66125**	**296.88**	**15.532**	**.14279**
Stddev	.00026	.00017	.00075	.00024	2.08	.060	.00100
%RSD	.16896	.12912	.33712	.03583	.69927	.38561	.70040
#1	.15557	.13233	.22445	.66101	299.24	15.504	.14381
#2	.15609	.13263	.22310	.66127	296.07	15.491	.14182
#3	.15575	.13233	.22320	.66148	295.33	15.601	.14274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.424**	**8.9018**	**.01299**	**.88767**	**.20234**	F **89622.**	**3.1367**
Stddev	.150	.0301	.00004	.01025	.00057	77.	.0072
%RSD	.56769	.33850	.30194	1.1546	.28118	.08606	.22945
#1	26.291	8.8790	.01294	.88452	.20182	89597.	3.1286
#2	26.393	8.8903	.01299	.87937	.20294	89708.	3.1422
#3	26.586	8.9359	.01302	.89912	.20225	89560.	3.1394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083305SD Acquired: 4/2/2011 1:51:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360320-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1359.5**	F **240.53**	F **-95976.**	**.02055**	**.01039**	**5.4839**	**.02849**
Stddev	246.8	.32	84.	.00081	.00102	.0112	.00025
%RSD	18.155	.13391	.08785	3.9464	9.7982	.20416	.86109
#1	-1142.3	240.90	-96033.	.02143	.01072	5.4886	.02852
#2	-1627.9	240.35	-96014.	.01983	.00925	5.4919	.02873
#3	-1308.3	240.33	-95879.	.02040	.01121	5.4711	.02824
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33367**	**.34468**	**.00992**	**.34094**	**14.603**	F **92.212**
Stddev	.00094	.00086	.00194	.00146	.064	.354
%RSD	.28251	.25044	19.614	.42696	.43664	.38375
#1	.33403	.34506	.00769	.33934	14.568	92.432
#2	.33260	.34370	.01079	.34219	14.564	92.400
#3	.33438	.34530	.01127	.34129	14.677	91.804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63763.**	**66567.**
Stddev	36.	70.
%RSD	.05715	.10571
#1	63799.	66497.
#2	63727.	66565.
#3	63764.	66638.

Approved: April 04, 2011

Sample Name: L1103083309 Acquired: 4/2/2011 1:55:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00459**	**176.81**	**.11230**	**.14045**	**1.2325**	**.01096**
Stddev	.00051	1.78	.00184	.00272	.0060	.00009
%RSD	11.087	1.0053	1.6427	1.9376	.48817	.82970
#1	.00409	174.76	.11299	.13751	1.2264	.01101
#2	.00511	177.93	.11021	.14287	1.2327	.01086
#3	.00458	177.75	.11370	.14099	1.2384	.01102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.765**	**.01238**	**.15179**	**.21671**	**.21988**	**299.22**
Stddev	.183	.00013	.00049	.00151	.00121	3.17
%RSD	.43875	1.0816	.32077	.69754	.55030	1.0589
#1	41.577	.01230	.15160	.21609	.21907	296.00
#2	41.774	.01230	.15143	.21560	.21930	302.33
#3	41.944	.01253	.15235	.21843	.22127	299.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.353**	**.17333**	**30.418**	**8.3253**	**.00916**	**.76557**
Stddev	.057	.00092	.134	.0195	.00001	.00883
%RSD	.29207	.52794	.44042	.23370	.12756	1.1540
#1	19.304	.17248	30.274	8.3044	.00918	.76387
#2	19.341	.17320	30.443	8.3288	.00916	.75770
#3	19.415	.17430	30.538	8.3428	.00915	.77513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083309 Acquired: 4/2/2011 1:55:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25164**	F **112120.**	**.68256**	F **-1133.5**	F **239.34**	F **-102430.**
Stddev	.00070	266.	.00268	80.4	1.21	58.
%RSD	.27804	.23726	.39272	7.0939	.50745	.05650
#1	.25132	111930.	.68345	-1224.5	239.09	-102370.
#2	.25115	112010.	.67954	-1103.8	238.27	-102470.
#3	.25244	112430.	.68468	-1072.2	240.66	-102460.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00744**	**.01017**	**5.5568**	**.00875**	**.26019**	**.28729**
Stddev	.00079	.00326	.0291	.00042	.00095	.00113
%RSD	10.584	32.036	.52289	4.7451	.36589	.39482
#1	.00788	.00745	5.5433	.00842	.25917	.28605
#2	.00790	.00928	5.5902	.00860	.26035	.28754
#3	.00653	.01378	5.5371	.00921	.26105	.28827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00875**	**.32021**	**2.3331**	F **90.574**
Stddev	.00104	.00161	.0037	.574
%RSD	11.843	.50274	.15896	.63350
#1	.00848	.32131	2.3304	90.223
#2	.00990	.31836	2.3316	90.264
#3	.00788	.32096	2.3374	91.237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083309 Acquired: 4/2/2011 1:55:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64269.**	**67217.**
Stddev	93.	178.
%RSD	.14530	.26552
#1	64245.	67126.
#2	64372.	67101.
#3	64190.	67422.

Approved: April 04, 2011

Sample Name: L1103083309PS Acquired: 4/2/2011 1:58:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360625-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20691**	**163.86**	**.29741**	**1.0431**	**1.6168**	**.03519**	**42.895**
Stddev	.00157	.58	.00066	.0020	.0035	.00010	.022
%RSD	.75980	.35557	.22187	.19104	.21522	.29501	.05238
#1	.20849	164.43	.29796	1.0440	1.6208	.03529	42.872
#2	.20689	163.89	.29760	1.0408	1.6149	.03519	42.894
#3	.20535	163.27	.29668	1.0445	1.6146	.03508	42.917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03583**	**.23510**	**.44548**	**.43829**	**273.68**	**42.623**	**.66273**
Stddev	.00015	.00047	.00108	.00142	.51	.060	.00216
%RSD	.43098	.19782	.24164	.32348	.18608	.14101	.32611
#1	.03600	.23558	.44666	.43968	273.09	42.621	.66460
#2	.03573	.23466	.44456	.43685	273.94	42.564	.66036
#3	.03575	.23507	.44521	.43835	274.01	42.684	.66322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.606**	**7.7812**	**.55490**	**26.307**	**.47612**	F **101820.**	**.85175**
Stddev	.054	.0107	.00065	.030	.00082	68.	.00320
%RSD	.16568	.13789	.11727	.11274	.17223	.06667	.37572
#1	32.566	7.7741	.55423	26.294	.47696	101890.	.84824
#2	32.584	7.7759	.55553	26.286	.47610	101800.	.85450
#3	32.667	7.7935	.55495	26.341	.47532	101760.	.85253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083309PS Acquired: 4/2/2011 1:58:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360625-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-724.77**	F **219.17**	F **-92960.**	**.59719**	**.20041**	**12.377**	**.00815**
Stddev	393.29	1.10	156.	.00303	.00204	.024	.00020
%RSD	54.264	.50285	.16784	.50769	1.0199	.19135	2.4345
#1	-1010.4	220.21	-93123.	.60053	.20067	12.404	.00794
#2	-887.70	218.02	-92811.	.59642	.20231	12.361	.00834
#3	-276.20	219.29	-92947.	.59462	.19825	12.367	.00818
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73472**	**.78307**	**.24611**	**.80388**	**2.5993**	F **81.995**
Stddev	.00065	.00154	.00121	.00230	.0004	.628
%RSD	.08865	.19682	.49127	.28555	.01554	.76565
#1	.73501	.78484	.24695	.80630	2.5990	81.814
#2	.73397	.78208	.24473	.80362	2.5991	81.478
#3	.73517	.78229	.24666	.80173	2.5997	82.693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64374.**	**66472.**
Stddev	112.	175.
%RSD	.17362	.26324
#1	64246.	66301.
#2	64454.	66651.
#3	64420.	66464.

Approved: April 04, 2011

Sample Name: L1103083309SDL Acquired: 4/2/2011 2:02:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360625-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**42.519**	**.02341**	**.03091**	**.24743**	**.00216**	**8.6172**
Stddev	.00009	.155	.00056	.00050	.00164	.00003	.0804
%RSD	7.4628	.36429	2.3834	1.6070	.66442	1.3457	.93351
#1	.00107	42.668	.02282	.03120	.24882	.00212	8.6853
#2	.00124	42.359	.02393	.03120	.24787	.00217	8.6378
#3	.00115	42.529	.02348	.03034	.24562	.00218	8.5284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**.03206**	**.04384**	**.04683**	**63.221**	**4.1039**	**.03415**
Stddev	.00000	.00026	.00034	.00049	.506	.0339	.00130
%RSD	.11255	.81166	.76692	1.0448	.79990	.82584	3.8199
#1	.00255	.03176	.04411	.04655	63.579	4.1093	.03562
#2	.00255	.03223	.04395	.04653	63.441	4.1348	.03372
#3	.00255	.03218	.04347	.04739	62.642	4.0676	.03312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.4801**	**1.7173**	**.00181**	**.14964**	**.05306**	F **24525.**	**.14948**
Stddev	.0459	.0082	.00011	.01128	.00012	67.	.00127
%RSD	.70776	.47601	5.9158	7.5377	.21999	.27285	.84707
#1	6.4980	1.7207	.00192	.13718	.05318	24448.	.14802
#2	6.5143	1.7232	.00181	.15259	.05294	24559.	.15032
#3	6.4280	1.7079	.00170	.15915	.05305	24569.	.15009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083309SDL Acquired: 4/2/2011 2:02:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360625-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **943.79**	F **53.008**	F **-22458.**	**.00028**	**.00156**	**1.2053**	**-.00245**
Stddev	414.97	.243	131.	.00090	.00084	.0080	.00015
%RSD	43.968	.45787	.58451	324.03	53.982	.66406	5.9192
#1	474.48	52.757	-22321.	-.00076	.00059	1.1976	-.00239
#2	1094.8	53.024	-22472.	.00084	.00197	1.2047	-.00262
#3	1262.1	53.242	-22582.	.00076	.00212	1.2136	-.00235
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05319**	**.05717**	**.00236**	**.06396**	**.48556**	**16.772**
Stddev	.00040	.00096	.00038	.00040	.00053	.042
%RSD	.74896	1.6857	16.294	.61984	.11007	.24811
#1	.05357	.05798	.00209	.06375	.48500	16.816
#2	.05324	.05610	.00280	.06441	.48606	16.733
#3	.05277	.05741	.00219	.06371	.48563	16.768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68813.**	**67343.**
Stddev	179.	458.
%RSD	.25970	.68076
#1	69002.	67428.
#2	68647.	66847.
#3	68790.	67752.

Approved: April 04, 2011

Sample Name: L1103083309SDL Acquired: 4/2/2011 2:05:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360625-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**8.5678**	**.00626**	**.00491**	**.04708**	**.00042**	**1.6202**
Stddev	.00044	.0225	.00110	.00040	.00029	.00001	.0075
%RSD	117.68	.26229	17.645	8.0907	.61165	3.1465	.46227
#1	.00087	8.5829	.00712	.00448	.04694	.00043	1.6128
#2	.00016	8.5420	.00501	.00526	.04689	.00043	1.6278
#3	.00008	8.5785	.00664	.00497	.04741	.00041	1.6200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00653**	**.00842**	**.00969**	**11.976**	**.80485**	**.00537**
Stddev	.00002	.00015	.00027	.00019	.041	.03362	.00170
%RSD	5.8059	2.2914	3.1888	1.9128	.34447	4.1769	31.704
#1	.00040	.00652	.00846	.00964	11.998	.79991	.00358
#2	.00041	.00668	.00866	.00953	11.929	.77398	.00698
#3	.00036	.00638	.00813	.00990	12.002	.84067	.00555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2547**	**.33795**	**.00016**	**.01919**	**.01020**	F **4937.2**	**.02913**
Stddev	.0055	.00073	.00008	.00508	.00043	22.8	.00060
%RSD	.43954	.21572	48.515	26.457	4.2590	.46110	2.0604
#1	1.2602	.33865	.00024	.01720	.01038	4950.9	.02951
#2	1.2549	.33719	.00014	.02496	.00971	4949.8	.02844
#3	1.2492	.33802	.00009	.01541	.01052	4910.9	.02944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083309SDL Acquired: 4/2/2011 2:05:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360625-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1301.2**	F **10.949**	F **-4595.4**	**-.00046**	**-.00172**	**.23484**	**-.00488**
Stddev	189.5	.067	10.3	.00082	.00215	.00369	.00016
%RSD	14.565	.61304	.22348	176.98	124.57	1.5729	3.3608
#1	1328.6	10.887	-4599.7	.00018	-.00419	.23064	-.00489
#2	1475.6	11.020	-4583.6	-.00138	-.00026	.23757	-.00504
#3	1099.5	10.941	-4602.8	-.00019	-.00073	.23631	-.00472
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.01025**	**.00159**	**.01223**	**.09889**	**1.9584**
Stddev	.00006	.00015	.00068	.00008	.00014	.1758
%RSD	.63311	1.4343	42.592	.66441	.14630	8.9782
#1	.01022	.01009	.00142	.01232	.09887	2.0698
#2	.01023	.01038	.00102	.01223	.09904	2.0498
#3	.01034	.01029	.00234	.01216	.09876	1.7557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**68996.**	**67404.**
Stddev	206.	323.
%RSD	.29868	.47864
#1	69223.	67038.
#2	68946.	67648.
#3	68820.	67526.

Approved: April 04, 2011

Sample Name: L1103083310 Acquired: 4/2/2011 2:09:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01682**	**175.32**	**1.1538**	**.18001**	**1.9422**	**.01228**
Stddev	.00041	1.27	.0048	.00196	.0077	.00009
%RSD	2.4481	.72727	.41391	1.0906	.39868	.69526
#1	.01682	176.73	1.1586	.17845	1.9424	.01237
#2	.01641	174.99	1.1537	.17936	1.9498	.01227
#3	.01723	174.24	1.1491	.18221	1.9344	.01220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.850**	**.08894**	**.17527**	**.23706**	**.65044**	**382.40**
Stddev	.173	.00036	.00079	.00180	.00435	2.16
%RSD	.23051	.40028	.45249	.75816	.66882	.56581
#1	74.673	.08934	.17616	.23912	.65539	381.04
#2	75.017	.08880	.17499	.23623	.64870	381.26
#3	74.860	.08867	.17465	.23582	.64723	384.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.284**	**.17354**	**29.888**	**10.616**	**.01428**	**1.1959**
Stddev	.058	.00144	.216	.024	.00036	.0078
%RSD	.29937	.82833	.72289	.22285	2.5527	.65086
#1	19.218	.17518	29.641	10.589	.01419	1.1910
#2	19.323	.17292	30.040	10.632	.01396	1.1918
#3	19.312	.17251	29.983	10.628	.01468	1.2049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083310 Acquired: 4/2/2011 2:09:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.27689	F 279440.	7.4090	F -1516.8	F 270.80	F -101670.
Stddev	.00031	817.	.0085	301.6	1.70	323.
%RSD	.11315	.29226	.11455	19.888	.62704	.31812
#1	.27709	280330.	7.4184	-1658.4	272.64	-101910.
#2	.27705	279240.	7.4067	-1170.4	270.45	-101790.
#3	.27653	278740.	7.4019	-1721.6	269.30	-101300.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02146	.01016	5.3092	.03878	.53270	.31353
Stddev	.00220	.00246	.0244	.00016	.00066	.00034
%RSD	10.260	24.225	.45949	.40802	.12320	.10969
#1	.02226	.01127	5.3355	.03885	.53222	.31316
#2	.02315	.00734	5.3048	.03860	.53243	.31383
#3	.01897	.01188	5.2873	.03889	.53345	.31361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.01251	.38455	23.319	F 70.256
Stddev	.00145	.00182	.066	.198
%RSD	11.601	.47305	.28476	.28112
#1	.01365	.38664	23.395	70.157
#2	.01088	.38366	23.274	70.483
#3	.01302	.38334	23.287	70.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083310 Acquired: 4/2/2011 2:09:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62554.**	**67369.**
Stddev	294.	306.
%RSD	.46992	.45454
#1	62241.	67587.
#2	62597.	67019.
#3	62824.	67502.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 2:13:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41549**	**10.282**	**.40951**	**.50343**	**1.0125**	**.05099**	**10.155**
Stddev	.00151	.029	.00136	.00028	.0011	.00039	.013
%RSD	.36411	.28400	.33289	.05520	.10454	.75754	.12988
#1	.41517	10.312	.40820	.50311	1.0117	.05100	10.167
#2	.41416	10.282	.41092	.50354	1.0137	.05137	10.156
#3	.41713	10.254	.40941	.50363	1.0122	.05060	10.141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05189**	**.20964**	**.51510**	**.52087**	**4.1387**	**51.522**	**1.0176**
Stddev	.00016	.00026	.00372	.00214	.0132	.024	.0019
%RSD	.30006	.12519	.72175	.41111	.31987	.04596	.18688
#1	.05189	.20973	.51629	.52133	4.1243	51.516	1.0182
#2	.05204	.20984	.51808	.52275	4.1504	51.548	1.0190
#3	.05173	.20934	.51094	.51854	4.1414	51.501	1.0154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.584**	**.52054**	**1.0678**	**51.480**	**.52228**	F **45.217**	**.52755**
Stddev	.015	.00095	.0007	.132	.00072	18.943	.00231
%RSD	.14491	.18318	.06744	.25656	.13726	41.894	.43862
#1	10.575	.51962	1.0674	51.632	.52158	28.482	.52491
#2	10.602	.52152	1.0686	51.394	.52301	41.385	.52851
#3	10.575	.52049	1.0674	51.414	.52225	65.782	.52923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 2:13:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1573.6**	**10.701**	F **3.8854**	**1.2947**	**.40944**	F **.08284**	**1.0958**
Stddev	173.2	.065	2.0105	.0042	.00108	.00164	.0008
%RSD	11.008	.60967	51.744	.32408	.26273	1.9810	.07628
#1	1764.7	10.747	2.1214	1.2958	.40828	.08105	1.0951
#2	1426.8	10.626	3.4605	1.2901	.41040	.08320	1.0967
#3	1529.4	10.729	6.0744	1.2983	.40963	.08428	1.0955
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0149**	**1.0792**	**.52832**	**1.0256**	**1.0383**	**1.0496**
Stddev	.0016	.0006	.00159	.0024	.0014	.0589
%RSD	.15902	.06041	.30037	.23054	.13412	5.6120
#1	1.0167	1.0799	.52991	1.0233	1.0368	1.0414
#2	1.0141	1.0786	.52674	1.0281	1.0396	.99518
#3	1.0138	1.0790	.52831	1.0254	1.0384	1.1121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64864.**	**64135.**
Stddev	147.	34.
%RSD	.22706	.05230
#1	64931.	64099.
#2	64695.	64140.
#3	64966.	64166.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 2:16:29 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00346**	**-.00037**	**.00154**	**-.00003**	**.00000**	**-.01093**
Stddev	.00014	.00112	.00041	.00041	.00011	.0000	.00537
%RSD	32.043	32.399	110.95	26.560	359.87	627.09	49.135
#1	-.00045	.00219	-.00032	.00119	.00000	-.00003	-.00860
#2	-.00029	.00431	-.00079	.00199	-.00015	-.00001	-.00712
#3	-.00057	.00388	.00002	.00145	.00006	.00002	-.01707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00006**	**-.00019**	**.00024**	**.00055**	**.08606**	**-.00114**
Stddev	.0001	.00008	.00016	.00037	.00225	.02728	.00054
%RSD	2093.6	132.17	82.972	152.88	410.31	31.697	47.008
#1	.00006	.00001	-.00034	-.00019	.00112	.07944	-.00169
#2	-.00007	-.00015	-.00021	.00046	-.00193	.11603	-.00061
#3	.00000	-.00005	-.00002	.00046	.00246	.06270	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01141**	**.00019**	**.00031**	**-.01214**	**-.00029**	F **30.430**	**-.00130**
Stddev	.00935	.00033	.00011	.00565	.00050	34.220	.00004
%RSD	81.923	175.33	36.304	46.492	172.45	112.45	3.3762
#1	-.00735	.00012	.00030	-.01857	-.00087	23.200	-.00127
#2	-.00478	.00055	.00043	-.00988	.00005	.40363	-.00129
#3	-.02211	-.00010	.00020	-.00798	-.00006	67.688	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 2:16:29 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1828.1**	F **.10857**	F **-21.758**	**.00032**	**-.00084**	**.00858**	**.00024**
Stddev	469.7	.03683	17.523	.00086	.00271	.00199	.00016
%RSD	25.691	33.922	80.536	270.56	320.80	23.225	67.127
#1	1787.4	.14824	-39.056	-.00063	.00219	.01030	.00020
#2	1380.2	.10203	-22.201	.00105	-.00173	.00904	.00042
#3	2316.8	.07545	-4.0178	.00053	-.00299	.00640	.00010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00113**	**-.00130**	**.00006**	**.00018**	F **-.14500**
Stddev	.00002	.00058	.00118	.00015	.00004	.13550
%RSD	15.100	51.659	90.477	236.87	21.342	93.446
#1	.00012	-.00157	-.00089	.00013	.00016	-.13478
#2	.00009	-.00047	-.00038	-.00011	.00023	-.01490
#3	.00009	-.00135	-.00263	.00017	.00016	-.28531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65944.**	**63048.**
Stddev	51.	118.
%RSD	.07731	.18664
#1	65989.	62949.
#2	65953.	63178.
#3	65888.	63017.

Approved: April 04, 2011

Sample Name: L1103083311 Acquired: 4/2/2011 2:20:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01221**	**162.54**	**.37837**	**.15076**	**1.7888**	**.01167**
Stddev	.00034	2.00	.00365	.00581	.0032	.00013
%RSD	2.7790	1.2277	.96436	3.8537	.17595	1.0906
#1	.01215	161.76	.37850	.14406	1.7878	.01171
#2	.01191	164.81	.38195	.15378	1.7923	.01177
#3	.01258	161.06	.37465	.15443	1.7862	.01153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.887**	**.09333**	**.19441**	**.24640**	**.48385**	**340.22**
Stddev	.053	.00095	.00253	.00275	.00672	9.16
%RSD	.10546	1.0226	1.3014	1.1149	1.3894	2.6917
#1	49.855	.09349	.19441	.24711	.48532	329.65
#2	49.947	.09420	.19694	.24872	.48971	345.87
#3	49.858	.09231	.19188	.24336	.47651	345.14
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.506**	**.15506**	**29.034**	**11.055**	**.01283**	**.90415**
Stddev	.040	.00136	.182	.021	.00005	.00910
%RSD	.20515	.88012	.62546	.19175	.38473	1.0070
#1	19.465	.15538	28.828	11.032	.01288	.91230
#2	19.507	.15623	29.106	11.061	.01278	.89432
#3	19.545	.15356	29.169	11.073	.01283	.90582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083311 Acquired: 4/2/2011 2:20:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26270**	F **270430.**	**3.2452**	F **-1218.4**	F **242.44**	F **-100290.**
Stddev	.00355	3453.	.0447	153.1	2.34	1135.
%RSD	1.3524	1.2769	1.3765	12.564	.96571	1.1312
#1	.26273	270910.	3.2479	-1394.8	242.55	-100440.
#2	.26624	273620.	3.2885	-1119.8	244.72	-101340.
#3	.25914	266760.	3.1993	-1140.6	240.04	-99087.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01622**	**.00907**	**5.7857**	**.02539**	**.35253**	**.26804**
Stddev	.00094	.00341	.0751	.00085	.00058	.00053
%RSD	5.8268	37.628	1.2988	3.3560	.16559	.19639
#1	.01514	.00845	5.7868	.02527	.35320	.26744
#2	.01662	.00601	5.8602	.02630	.35217	.26821
#3	.01689	.01275	5.7099	.02460	.35221	.26845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01210**	**.35071**	**20.980**	F **90.492**
Stddev	.00146	.00374	.317	.763
%RSD	12.093	1.0677	1.5101	.84310
#1	.01049	.35017	20.918	90.531
#2	.01335	.35470	21.323	91.235
#3	.01247	.34727	20.698	89.710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083311 Acquired: 4/2/2011 2:20:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63565.**	**66140.**
Stddev	681.	421.
%RSD	1.0715	.63698
#1	63490.	66582.
#2	62924.	65743.
#3	64280.	66093.

Approved: April 04, 2011

Sample Name: L1103083312 Acquired: 4/2/2011 2:23:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00658**	**161.26**	**.12379**	**.13325**	**1.1450**	**.01053**	**29.629**
Stddev	.00041	1.19	.00173	.00184	.0014	.00003	.113
%RSD	6.2046	.73901	1.3994	1.3772	.12087	.29721	.38136
#1	.00640	159.89	.12179	.13158	1.1436	.01051	29.519
#2	.00630	161.84	.12476	.13294	1.1451	.01052	29.744
#3	.00705	162.05	.12483	.13521	1.1463	.01057	29.624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02333**	**.17894**	**.21825**	**.28610**	**294.74**	**18.594**	**.16598**
Stddev	.00012	.00033	.00085	.00086	4.62	.032	.00138
%RSD	.52687	.18238	.39079	.30008	1.5685	.16997	.83221
#1	.02343	.17931	.21761	.28707	291.21	18.559	.16727
#2	.02319	.17877	.21922	.28547	293.03	18.620	.16616
#3	.02335	.17872	.21791	.28574	299.97	18.604	.16452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.521**	**9.4522**	**.01005**	**.71591**	**.24808**	F **125790.**	**1.0044**
Stddev	.080	.0144	.00012	.00589	.00009	271.	.0036
%RSD	.25492	.15183	1.2173	.82204	.03477	.21555	.35685
#1	31.438	9.4361	.00991	.71370	.24804	126100.	1.0083
#2	31.528	9.4636	.01014	.72258	.24817	125660.	1.0013
#3	31.598	9.4569	.01009	.71144	.24801	125610.	1.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083312 Acquired: 4/2/2011 2:23:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1539.4**	F **170.72**	F **-72981.**	**.01023**	**.00971**	**5.5344**	**.02405**
Stddev	241.1	.49	33.	.00155	.00067	.0093	.00021
%RSD	15.665	.28594	.04510	15.144	6.8618	.16751	.88119
#1	-1305.8	171.27	-73017.	.00848	.00894	5.5426	.02409
#2	-1787.5	170.35	-72952.	.01080	.01014	5.5362	.02423
#3	-1524.9	170.54	-72975.	.01141	.01006	5.5243	.02382
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19621**	**.25670**	**.00936**	**.28667**	**4.3544**	F **70.299**
Stddev	.00094	.00082	.00109	.00063	.0038	.550
%RSD	.47946	.31965	11.656	.22052	.08736	.78278
#1	.19540	.25579	.00908	.28726	4.3517	69.788
#2	.19724	.25740	.01056	.28600	4.3527	70.228
#3	.19598	.25690	.00843	.28675	4.3587	70.882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64489.**	**67622.**
Stddev	66.	127.
%RSD	.10285	.18844
#1	64420.	67475.
#2	64494.	67707.
#3	64552.	67682.

Approved: April 04, 2011

Sample Name: L1103083313 Acquired: 4/2/2011 2:27:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00864**	**170.82**	**.13933**	**.15764**	**1.2378**	**.01214**	**24.443**
Stddev	.00074	1.05	.00119	.00439	.0027	.00010	.139
%RSD	8.5600	.61261	.85446	2.7856	.21388	.79133	.56981
#1	.00932	169.63	.14058	.15349	1.2355	.01208	24.340
#2	.00874	171.61	.13822	.15721	1.2372	.01209	24.388
#3	.00785	171.20	.13917	.16224	1.2407	.01225	24.601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03114**	**.16386**	**.23477**	**.32904**	**362.56**	**16.257**	**.17145**
Stddev	.00012	.00024	.00129	.00152	5.91	.084	.00070
%RSD	.37340	.14569	.55048	.46243	1.6309	.51388	.40738
#1	.03123	.16389	.23351	.33034	357.21	16.201	.17133
#2	.03101	.16361	.23471	.32737	361.56	16.217	.17220
#3	.03119	.16409	.23609	.32941	368.91	16.353	.17081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.653**	**9.0789**	**.01069**	**.80304**	**.24563**	F **142820.**	**1.2973**
Stddev	.105	.0197	.00021	.00356	.00113	307.	.0020
%RSD	.38120	.21650	1.9705	.44381	.46047	.21471	.15332
#1	27.568	9.0630	.01086	.79893	.24691	143140.	1.2994
#2	27.620	9.0728	.01074	.80488	.24523	142540.	1.2970
#3	27.771	9.1009	.01045	.80530	.24476	142770.	1.2954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083313 Acquired: 4/2/2011 2:27:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1368.6**	F **129.78**	F **-54326.**	**.00975**	**.00912**	**4.5861**	**.01519**
Stddev	430.9	.55	109.	.00158	.00178	.0261	.00020
%RSD	31.483	.42514	.20130	16.182	19.478	.56830	1.2859
#1	-1800.8	130.29	-54442.	.01087	.00911	4.6141	.01537
#2	-1365.8	129.19	-54226.	.01043	.00735	4.5625	.01520
#3	-939.11	129.87	-54309.	.00794	.01090	4.5817	.01498
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18913**	**.28302**	**.01082**	**.34450**	**5.6751**	F **66.746**
Stddev	.00090	.00103	.00016	.00137	.0032	.713
%RSD	.47585	.36318	1.4357	.39781	.05667	1.0679
#1	.18870	.28205	.01076	.34352	5.6750	66.398
#2	.18853	.28291	.01099	.34391	5.6719	66.274
#3	.19017	.28409	.01070	.34607	5.6783	67.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64568.**	**68318.**
Stddev	123.	227.
%RSD	.19078	.33178
#1	64525.	68336.
#2	64707.	68536.
#3	64472.	68084.

Approved: April 04, 2011

Sample Name: L1103083314 Acquired: 4/2/2011 2:31:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**172.85**	**.22683**	**.19125**	**1.5655**	**.01193**
Stddev	.00034	.79	.00139	.00191	.0068	.00004
%RSD	3.4320	.45611	.61493	.99939	.43250	.33162
#1	.00964	172.05	.22560	.19140	1.5695	.01188
#2	.01031	172.89	.22834	.18927	1.5694	.01196
#3	.01013	173.62	.22654	.19308	1.5577	.01193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**70.542**	**.05373**	**.13349**	**.24307**	**.42912**	**367.77**
Stddev	.214	.00009	.00026	.00130	.00239	1.69
%RSD	.30299	.17361	.19647	.53657	.55646	.45872
#1	70.645	.05377	.13345	.24182	.42794	369.00
#2	70.684	.05379	.13377	.24442	.43187	365.85
#3	70.296	.05362	.13325	.24297	.42756	368.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.682**	**.16595**	**33.693**	**8.4365**	**.01287**	**.88667**
Stddev	.033	.00119	.137	.0040	.00004	.00630
%RSD	.11159	.71900	.40733	.04689	.31822	.71085
#1	29.683	.16659	33.632	8.4403	.01288	.88031
#2	29.715	.16669	33.597	8.4324	.01290	.89292
#3	29.648	.16458	33.850	8.4368	.01282	.88677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083314 Acquired: 4/2/2011 2:31:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25359**	F **235400.**	**2.3181**	F **-1553.6**	F **378.19**	F **-158760.**
Stddev	.00071	692.	.0036	327.5	1.47	254.
%RSD	.28055	.29407	.15513	21.082	.38781	.16022
#1	.25301	234790.	2.3191	-1289.5	376.79	-158460.
#2	.25438	236150.	2.3211	-1920.1	379.72	-158920.
#3	.25338	235260.	2.3141	-1451.2	378.06	-158880.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01345**	**.01152**	**5.0189**	**.02110**	**.42583**	**.31914**
Stddev	.00008	.00308	.0069	.00048	.00105	.00067
%RSD	.56253	26.683	.13772	2.2917	.24564	.21116
#1	.01344	.01507	5.0149	.02086	.42584	.31916
#2	.01353	.00954	5.0269	.02078	.42687	.31980
#3	.01338	.00996	5.0149	.02165	.42478	.31845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01174**	**.38810**	**13.801**	F **70.192**
Stddev	.00042	.00095	.021	.239
%RSD	3.5810	.24467	.15463	.34101
#1	.01192	.38744	13.799	69.990
#2	.01205	.38919	13.823	70.457
#3	.01126	.38768	13.780	70.130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083314 Acquired: 4/2/2011 2:31:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63934.**	**67812.**
Stddev	62.	466.
%RSD	.09622	.68760
#1	63957.	67607.
#2	63865.	68346.
#3	63981.	67484.

Approved: April 04, 2011

Sample Name: L1103083315 Acquired: 4/2/2011 2:34:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01376**	**159.64**	**.21375**	**.20023**	**2.1355**	**.01415**	**51.809**
Stddev	.00045	1.86	.00133	.00177	.0039	.00009	.226
%RSD	3.2766	1.1626	.62129	.88609	.18334	.65776	.43610
#1	.01381	160.77	.21309	.19947	2.1375	.01419	51.837
#2	.01418	157.49	.21288	.20226	2.1380	.01405	52.019
#3	.01328	160.65	.21528	.19896	2.1310	.01423	51.570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08418**	**.21828**	**.24067**	**.55638**	**460.28**	**19.693**	**.15709**
Stddev	.00022	.00041	.00093	.00218	1.63	.043	.00132
%RSD	.25991	.18770	.38712	.39146	.35334	.21731	.83732
#1	.08442	.21837	.24111	.55813	460.23	19.657	.15647
#2	.08412	.21783	.23960	.55394	461.92	19.740	.15860
#3	.08399	.21864	.24131	.55706	458.67	19.684	.15620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.275**	**16.068**	**.01300**	**.72401**	**.25950**	F **266660.**	**3.0047**
Stddev	.073	.013	.00008	.01056	.00027	230.	.0063
%RSD	.27661	.08209	.60288	1.4579	.10480	.08640	.20813
#1	26.211	16.067	.01292	.71558	.25948	266770.	2.9982
#2	26.259	16.082	.01307	.73585	.25978	266390.	3.0051
#3	26.354	16.056	.01303	.72062	.25924	266810.	3.0107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083315 Acquired: 4/2/2011 2:34:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1425.1**	F **190.90**	F **-72303.**	**.01223**	**.01296**	**4.3400**	**.02253**
Stddev	359.6	.29	86.	.00070	.00190	.0060	.00008
%RSD	25.233	.15225	.11946	5.7011	14.667	.13926	.36166
#1	-1381.2	190.90	-72312.	.01262	.01508	4.3414	.02248
#2	-1089.5	190.61	-72213.	.01142	.01243	4.3452	.02263
#3	-1804.6	191.19	-72385.	.01264	.01139	4.3333	.02249
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42213**	**.25845**	**.01711**	**.44547**	**19.549**	F **70.562**
Stddev	.00218	.00058	.00182	.00048	.049	.280
%RSD	.51646	.22277	10.651	.10677	.25025	.39641
#1	.42205	.25848	.01728	.44598	19.501	70.849
#2	.42434	.25902	.01521	.44539	19.546	70.291
#3	.41999	.25787	.01884	.44504	19.599	70.545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63705.**	**67285.**
Stddev	75.	161.
%RSD	.11793	.23966
#1	63646.	67297.
#2	63790.	67440.
#3	63681.	67118.

Approved: April 04, 2011

Sample Name: L1103083316 Acquired: 4/2/2011 2:38:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01482**	**185.43**	**.18107**	**.18103**	**1.6748**	**.01234**
Stddev	.00032	1.35	.00223	.00259	.0070	.00008
%RSD	2.1470	.72809	1.2337	1.4300	.41631	.62102
#1	.01487	183.88	.17900	.18016	1.6674	.01227
#2	.01448	186.27	.18077	.17899	1.6759	.01235
#3	.01511	186.16	.18344	.18394	1.6812	.01242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**83.924**	**.06773**	**.15888**	**.26757**	**.60547**	**346.43**
Stddev	.357	.00012	.00029	.00181	.00105	2.85
%RSD	.42503	.17142	.18139	.67526	.17325	.82332
#1	83.513	.06776	.15857	.26594	.60480	344.63
#2	84.156	.06783	.15914	.26725	.60668	344.94
#3	84.102	.06760	.15892	.26951	.60493	349.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.931**	**.18240**	**31.271**	**10.185**	**.01247**	**.86697**
Stddev	.068	.00045	.264	.036	.00042	.00773
%RSD	.25226	.24556	.84436	.35376	3.4022	.89154
#1	26.854	.18189	31.018	10.147	.01198	.85917
#2	26.954	.18258	31.250	10.191	.01278	.87462
#3	26.984	.18273	31.545	10.218	.01263	.86713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083316 Acquired: 4/2/2011 2:38:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.26764	F 219820.	2.5169	F -2024.9	F 341.11	F -134370.
Stddev	.00107	411.	.0004	283.0	.57	123.
%RSD	.39976	.18711	.01586	13.974	.16795	.09185
#1	.26682	219990.	2.5164	-2344.9	341.11	-134380.
#2	.26885	220130.	2.5171	-1807.6	341.67	-134500.
#3	.26726	219360.	2.5171	-1922.4	340.53	-134250.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01535	.00899	4.9497	.03721	.52961	.34547
Stddev	.00237	.00310	.0229	.00034	.00114	.00107
%RSD	15.445	34.487	.46200	.91206	.21597	.31025
#1	.01443	.00551	4.9662	.03742	.52879	.34425
#2	.01804	.01002	4.9592	.03739	.53092	.34591
#3	.01357	.01145	4.9236	.03682	.52913	.34625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00984	.35472	17.483	F 81.058
Stddev	.00197	.00213	.053	.413
%RSD	19.978	.60105	.30595	.50966
#1	.00933	.35226	17.461	80.640
#2	.00819	.35610	17.544	81.069
#3	.01202	.35579	17.445	81.466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083316 Acquired: 4/2/2011 2:38:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63342.**	**67367.**
Stddev	113.	487.
%RSD	.17770	.72300
#1	63433.	67886.
#2	63216.	67296.
#3	63377.	66919.

Approved: April 04, 2011

Sample Name: L1103083317 Acquired: 4/2/2011 2:42:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01738**	**172.28**	**.18598**	**.15668**	**1.7282**	**.01273**	**66.895**
Stddev	.00029	2.31	.00029	.00087	.0077	.00002	.410
%RSD	1.6780	1.3406	.15471	.55564	.44821	.13305	.61295
#1	.01722	174.62	.18622	.15759	1.7261	.01272	66.761
#2	.01771	172.23	.18607	.15586	1.7367	.01275	67.355
#3	.01719	170.00	.18566	.15659	1.7216	.01273	66.568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08161**	**.24915**	**.22093**	**.60603**	**347.07**	**21.198**	**.17629**
Stddev	.00026	.00081	.00110	.00405	2.06	.116	.00053
%RSD	.31683	.32588	.49617	.66820	.59448	.54719	.30116
#1	.08170	.24974	.22042	.60710	348.61	21.165	.17686
#2	.08181	.24948	.22219	.60944	344.72	21.327	.17619
#3	.08132	.24822	.22018	.60155	347.87	21.102	.17581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.368**	**15.927**	**.01404**	**.98514**	**.30002**	F **202340.**	**2.8316**
Stddev	.052	.012	.00029	.00707	.00052	496.	.0043
%RSD	.16713	.07826	2.0316	.71751	.17251	.24488	.15196
#1	31.350	15.939	.01436	.98974	.29988	202540.	2.8342
#2	31.427	15.929	.01381	.98867	.30060	202710.	2.8339
#3	31.327	15.914	.01395	.97700	.29959	201780.	2.8266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083317 Acquired: 4/2/2011 2:42:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1331.3**	F **251.91**	F **-95819.**	**.01761**	**.01138**	**5.6688**	**.04844**
Stddev	703.1	1.37	109.	.00068	.00197	.0264	.00006
%RSD	52.814	.54414	.11405	3.8430	17.337	.46603	.12533
#1	-631.00	252.83	-95783.	.01689	.01023	5.6827	.04838
#2	-2037.3	252.58	-95942.	.01824	.01025	5.6854	.04850
#3	-1325.8	250.34	-95733.	.01771	.01366	5.6383	.04845
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42471**	**.27638**	**.01243**	**.34137**	**19.899**	F **81.223**
Stddev	.00287	.00121	.00187	.00090	.074	.535
%RSD	.67692	.43719	15.046	.26336	.37283	.65824
#1	.42423	.27573	.01036	.34063	19.941	81.517
#2	.42780	.27777	.01400	.34237	19.813	81.545
#3	.42211	.27563	.01293	.34111	19.942	80.605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63241.**	**66377.**
Stddev	187.	489.
%RSD	.29641	.73662
#1	63074.	65993.
#2	63204.	66211.
#3	63444.	66928.

Approved: April 04, 2011

Sample Name: L1103083318 Acquired: 4/2/2011 2:45:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16758**	**140.55**	**1.5934**	**.24084**	**2.6344**	**.01149**
Stddev	.00036	1.06	.0042	.00651	.0040	.00001
%RSD	.21697	.75321	.26399	2.7051	.15354	.12761
#1	.16789	140.04	1.5977	.24322	2.6357	.01147
#2	.16718	141.77	1.5934	.23347	2.6298	.01150
#3	.16767	139.85	1.5893	.24582	2.6376	.01149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**571.67**	**.32185**	**.17153**	**.25161**	**5.9354**	**528.32**
Stddev	5.94	.00086	.00071	.00107	.0196	10.16
%RSD	1.0385	.26609	.41193	.42509	.33028	1.9223
#1	573.77	.32175	.17162	.25182	5.9405	531.52
#2	576.27	.32275	.17218	.25256	5.9519	516.95
#3	564.96	.32104	.17078	.25045	5.9137	536.49
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.963**	**.18009**	**37.446**	**22.641**	**.03368**	**2.1179**
Stddev	.024	.00096	.170	.115	.00040	.0109
%RSD	.15787	.53207	.45402	.50892	1.1869	.51335
#1	14.960	.17969	37.319	22.672	.03354	2.1298
#2	14.942	.17940	37.380	22.514	.03413	2.1154
#3	14.989	.18119	37.639	22.738	.03336	2.1085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083318 Acquired: 4/2/2011 2:45:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32475**	F **243010.**	**32.752**	F **-1132.5**	F **936.25**	F **-177860.**
Stddev	.00236	1052.	.070	307.1	1.52	225.
%RSD	.72761	.43284	.21336	27.113	.16204	.12664
#1	.32550	243420.	32.786	-1374.0	936.93	-177920.
#2	.32666	243790.	32.797	-1236.7	937.30	-178050.
#3	.32211	241810.	32.671	-786.94	934.51	-177610.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14147**	**.02514**	**11.954**	**.13267**	**3.0087**	**.41879**
Stddev	.00289	.00070	.235	.00104	.0100	.00102
%RSD	2.0406	2.7698	1.9647	.78084	.33384	.24467
#1	.14040	.02522	12.094	.13338	3.0199	.41994
#2	.14474	.02579	12.086	.13314	3.0058	.41799
#3	.13928	.02441	11.683	.13148	3.0005	.41843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01903**	**.38748**	F **137.52**	F **57.426**
Stddev	.00048	.00035	.38	.659
%RSD	2.5305	.09034	.27696	1.1479
#1	.01866	.38775	137.16	58.140
#2	.01957	.38761	137.48	57.298
#3	.01884	.38709	137.92	56.840
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit			45.000	45.000
Low Limit			-.01000	-.00400

Approved: April 04, 2011

Sample Name: L1103083318 Acquired: 4/2/2011 2:45:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59568.**	**65991.**
Stddev	22.	288.
%RSD	.03680	.43597
#1	59565.	66207.
#2	59548.	66102.
#3	59591.	65665.

Approved: April 04, 2011

Sample Name: L1103083322 Acquired: 4/2/2011 2:49:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00645**	**169.18**	**.13456**	**.14131**	**1.5854**	**.01034**
Stddev	.00021	.83	.00039	.00077	.0032	.00005
%RSD	3.2232	.48842	.28875	.54701	.20257	.46365
#1	.00660	168.61	.13456	.14164	1.5822	.01031
#2	.00621	168.80	.13495	.14186	1.5852	.01031
#3	.00654	170.13	.13418	.14043	1.5887	.01040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.437**	**.02195**	**.12957**	**.23229**	**.29242**	**288.33**
Stddev	.115	.00002	.00007	.00103	.00115	3.02
%RSD	.27734	.08414	.05596	.44391	.39286	1.0458
#1	41.310	.02195	.12966	.23207	.29345	290.87
#2	41.469	.02194	.12953	.23138	.29118	289.13
#3	41.533	.02197	.12953	.23341	.29263	285.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.043**	**.14884**	**26.586**	**7.0804**	**.01096**	**.81911**
Stddev	.095	.00154	.117	.0129	.00010	.00986
%RSD	.47507	1.0378	.44012	.18232	.88649	1.2040
#1	19.936	.14756	26.461	7.0660	.01096	.80782
#2	20.078	.15056	26.604	7.0910	.01086	.82341
#3	20.117	.14842	26.692	7.0841	.01105	.82608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083322 Acquired: 4/2/2011 2:49:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21685**	F **176340.**	**1.2139**	F **-947.25**	F **235.65**	F **-101090.**
Stddev	.00035	196.	.0020	332.32	.48	131.
%RSD	.15934	.11122	.16682	35.082	.20296	.12930
#1	.21655	176500.	1.2161	-742.93	236.20	-101230.
#2	.21723	176400.	1.2133	-1330.7	235.36	-101070.
#3	.21678	176130.	1.2122	-768.13	235.38	-100970.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**.00961**	**4.5338**	**.02373**	**.27564**	**.34179**
Stddev	.00110	.00172	.0113	.00015	.00040	.00072
%RSD	8.6397	17.901	.24888	.64446	.14415	.20945
#1	.01177	.00762	4.5319	.02371	.27522	.34251
#2	.01393	.01057	4.5459	.02389	.27601	.34180
#3	.01250	.01064	4.5236	.02358	.27570	.34107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00849**	**.32794**	**4.5680**	F **81.565**
Stddev	.00137	.00160	.0026	.505
%RSD	16.133	.48851	.05789	.61896
#1	.00763	.32675	4.5665	81.011
#2	.01007	.32731	4.5664	81.684
#3	.00777	.32976	4.5710	81.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083322 Acquired: 4/2/2011 2:49:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64222.**	**66605.**
Stddev	55.	134.
%RSD	.08602	.20111
#1	64161.	66759.
#2	64237.	66541.
#3	64269.	66515.

Approved: April 04, 2011

Sample Name: L1103083323 Acquired: 4/2/2011 2:53:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00919**	**205.54**	**.21302**	**.18560**	**1.8379**	**.01398**	**48.023**
Stddev	.00047	.63	.00113	.00624	.0042	.00010	.137
%RSD	5.0810	.30714	.53257	3.3611	.22712	.74253	.28467
#1	.00865	204.90	.21217	.18785	1.8390	.01389	48.175
#2	.00950	205.56	.21259	.19040	1.8333	.01397	47.984
#3	.00941	206.16	.21431	.17855	1.8415	.01410	47.910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02966**	**.27850**	**.27237**	**.33530**	**408.01**	**17.732**	**.18539**
Stddev	.00010	.00034	.00246	.00098	8.54	.032	.00046
%RSD	.33278	.12221	.90151	.29308	2.0938	.18078	.24603
#1	.02955	.27851	.26961	.33523	411.34	17.764	.18500
#2	.02973	.27816	.27321	.33435	414.38	17.700	.18527
#3	.02970	.27884	.27430	.33631	398.30	17.731	.18589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.797**	**14.837**	**.01263**	**1.0597**	**.29606**	F **187990.**	**1.4197**
Stddev	.061	.032	.00024	.0043	.00063	54.	.0019
%RSD	.20502	.21740	1.9316	.40424	.21314	.02877	.13172
#1	29.864	14.869	.01235	1.0643	.29533	187950.	1.4185
#2	29.780	14.838	.01274	1.0587	.29646	188050.	1.4188
#3	29.746	14.805	.01280	1.0559	.29639	187980.	1.4219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083323 Acquired: 4/2/2011 2:53:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-755.68**	F **162.21**	F **-59953.**	**.01362**	**.00964**	**4.0207**	**.01793**
Stddev	467.70	.19	49.	.00129	.00069	.0034	.00073
%RSD	61.891	.11936	.08227	9.4825	7.1799	.08525	4.0942
#1	-225.81	162.09	-59960.	.01263	.01043	4.0211	.01710
#2	-930.24	162.11	-59999.	.01315	.00937	4.0238	.01851
#3	-1111.0	162.43	-59901.	.01508	.00913	4.0170	.01818
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34177**	**.32552**	**.01693**	**.46486**	**5.2203**	F **119.39**
Stddev	.00104	.00038	.00060	.00238	.0033	.40
%RSD	.30312	.11566	3.5390	.51225	.06331	.33783
#1	.34243	.32533	.01760	.46225	5.2168	118.96
#2	.34230	.32528	.01644	.46542	5.2207	119.76
#3	.34057	.32596	.01675	.46692	5.2234	119.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63840.**	**66185.**
Stddev	190.	897.
%RSD	.29714	1.3556
#1	64057.	65306.
#2	63756.	66148.
#3	63706.	67100.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 2:57:10 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42301**	**10.506**	**.41166**	**.51505**	**1.0178**	**.05173**	**10.161**
Stddev	.00524	.123	.00145	.00545	.0068	.00054	.038
%RSD	1.2377	1.1693	.35264	1.0582	.67218	1.0477	.37076
#1	.41755	10.373	.41331	.50962	1.0255	.05112	10.199
#2	.42799	10.615	.41106	.52052	1.0155	.05215	10.161
#3	.42349	10.530	.41060	.51499	1.0125	.05193	10.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05240**	**.21095**	**.52225**	**.52791**	**4.2100**	**51.586**	**1.0203**
Stddev	.00018	.00031	.00623	.00063	.0257	.211	.0043
%RSD	.33488	.14809	1.1932	.11888	.61083	.40976	.41994
#1	.05223	.21105	.51546	.52733	4.2380	51.800	1.0244
#2	.05240	.21060	.52770	.52782	4.2046	51.581	1.0208
#3	.05258	.21120	.52358	.52858	4.1874	51.377	1.0158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**.52434**	**1.0721**	**51.152**	**.53486**	F **127.25**	**.53190**
Stddev	.010	.00099	.0015	.158	.01416	29.58	.00125
%RSD	.09775	.18935	.13626	.30875	2.6471	23.242	.23543
#1	10.704	.52547	1.0737	51.113	.52665	128.26	.53103
#2	10.688	.52394	1.0707	51.326	.55121	156.30	.53134
#3	10.708	.52361	1.0720	51.018	.52672	97.179	.53333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 2:57:10 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1927.4**	F **14.785**	F **-2034.8**	**1.2936**	**.41061**	F **.12042**	F **1.1032**
Stddev	435.6	6.550	3314.2	.0003	.00006	.06233	.0016
%RSD	22.601	44.303	162.88	.02437	.01542	51.764	.14843
#1	1623.1	10.822	-22.50	1.2938	.41065	.08422	1.1040
#2	2426.4	22.345	-5860.0	1.2939	.41064	.19239	1.1014
#3	1732.7	11.187	-221.94	1.2933	.41054	.08464	1.1044
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail
Value	10.000	10.000	10.000			5.0000	1.0000
Range	10.000%	10.000%	-10.000%			-10.000%	10.000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0084**	**1.0802**	**.53402**	**1.0482**	**1.0629**	F **1.2078**
Stddev	.0019	.0031	.00183	.0099	.0229	.0429
%RSD	.18591	.28657	.34320	.94583	2.1533	3.5519
#1	1.0087	1.0837	.53301	1.0374	1.0497	1.1871
#2	1.0101	1.0778	.53613	1.0568	1.0893	1.1793
#3	1.0064	1.0793	.53291	1.0506	1.0497	1.2572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64661.**	**63894.**
Stddev	725.	144.
%RSD	1.1206	.22523
#1	65447.	64045.
#2	64019.	63879.
#3	64518.	63758.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 3:00:29 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.01678**	**-.00036**	**.00090**	**-.00002**	**.00002**	**.00415**
Stddev	.00027	.00206	.00054	.00102	.00010	.00001	.00442
%RSD	122.72	12.294	150.28	113.81	433.65	45.008	106.52
#1	-.00030	.01504	.00023	.00201	-.00014	.00001	.00922
#2	-.00045	.01906	-.00083	.00000	.00007	.00002	.00220
#3	.00008	.01623	-.00047	.00069	.00000	.00002	.00104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00014**	**.00022**	**.00035**	**.03562**	**.14646**	**-.00058**
Stddev	.00003	.00006	.00022	.00026	.00072	.01719	.00047
%RSD	42.855	40.436	101.44	74.900	2.0177	11.735	80.351
#1	-.00006	-.00008	-.00004	.00049	.03645	.15648	-.00019
#2	-.00009	-.00014	.00036	.00052	.03517	.15628	-.00110
#3	-.00004	-.00019	.00034	.00005	.03524	.12661	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00951**	**.00119**	**.00008**	**-.00303**	**-.00016**	F **22.880**	**-.00111**
Stddev	.00433	.00038	.00010	.00320	.00011	9.204	.00028
%RSD	45.538	32.274	115.87	105.54	67.544	40.225	25.229
#1	-.00454	.00082	.00013	-.00137	-.00004	12.377	-.00100
#2	-.01250	.00158	-.00003	-.00101	-.00024	26.728	-.00090
#3	-.01149	.00117	.00015	-.00672	-.00020	29.535	-.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 3:00:29 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1193.1**	F **.10911**	F **-44.157**	**.00063**	**-.00084**	**.00767**	**.00040**
Stddev	713.3	.05084	15.583	.00089	.00110	.00236	.00003
%RSD	59.783	46.601	35.290	140.42	129.92	30.814	7.5439
#1	478.92	.05040	-58.352	.00079	.00003	.00959	.00037
#2	1905.4	.13779	-27.483	.00143	-.00049	.00840	.00038
#3	1194.9	.13913	-46.636	-.00032	-.00208	.00503	.00043
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00126**	**-.00042**	**.00026**	**.00293**	**.05714**
Stddev	.00002	.00105	.00010	.00002	.00028	.15013
%RSD	31.684	83.250	23.069	8.6830	9.7135	262.72
#1	.00009	-.00019	-.00045	.00024	.00324	.13650
#2	.00004	-.00228	-.00031	.00028	.00287	-.11601
#3	.00007	-.00130	-.00050	.00026	.00268	.15094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66925.**	**65229.**
Stddev	141.	386.
%RSD	.21029	.59100
#1	67051.	65672.
#2	66773.	64975.
#3	66951.	65038.

Approved: April 04, 2011

Sample Name: L1103083324 Acquired: 4/2/2011 3:04:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00598**	**185.14**	**.12134**	**.13104**	**1.6972**	**.01015**	**32.006**
Stddev	.00087	1.20	.00122	.00194	.0010	.00005	.110
%RSD	14.559	.64646	1.0077	1.4778	.06058	.52523	.34218
#1	.00686	186.52	.12209	.12889	1.6962	.01012	31.889
#2	.00512	184.45	.11993	.13157	1.6971	.01013	32.106
#3	.00597	184.44	.12201	.13265	1.6982	.01021	32.025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01868**	**.11601**	**.26157**	**.34865**	**272.30**	**19.889**	**.15571**
Stddev	.00010	.00027	.00192	.00090	2.08	.066	.00053
%RSD	.56082	.22863	.73564	.25820	.76249	.33367	.33732
#1	.01856	.11598	.25956	.34910	270.68	19.827	.15518
#2	.01874	.11576	.26175	.34762	271.59	19.959	.15572
#3	.01875	.11629	.26339	.34924	274.64	19.883	.15623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.015**	**5.6154**	**.01134**	**.79915**	**.20249**	F **192560.**	**1.8182**
Stddev	.145	.0173	.00011	.00938	.00028	256.	.0032
%RSD	.57917	.30820	.96726	1.1741	.13901	.13295	.17724
#1	24.851	5.5955	.01130	.79304	.20254	192660.	1.8183
#2	25.066	5.6237	.01125	.79445	.20274	192260.	1.8150
#3	25.127	5.6270	.01146	.80995	.20218	192750.	1.8215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083324 Acquired: 4/2/2011 3:04:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1716.1**	F **180.90**	F **-76606.**	**.01309**	**.00571**	**4.3760**	**.03809**
Stddev	435.5	.85	110.	.00059	.00144	.0168	.00050
%RSD	25.376	.47116	.14334	4.4741	25.154	.38393	1.3214
#1	-1993.8	180.95	-76696.	.01321	.00432	4.3614	.03823
#2	-1940.3	180.02	-76484.	.01245	.00561	4.3944	.03852
#3	-1214.2	181.72	-76639.	.01360	.00719	4.3723	.03754
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22700**	**.35333**	**.00783**	**.33495**	**3.7672**	F **75.578**
Stddev	.00069	.00057	.00113	.00046	.0026	.395
%RSD	.30230	.16244	14.379	.13667	.06953	.52266
#1	.22625	.35317	.00770	.33451	3.7654	75.131
#2	.22760	.35397	.00901	.33491	3.7659	75.720
#3	.22715	.35285	.00677	.33542	3.7702	75.881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63605.**	**67467.**
Stddev	147.	255.
%RSD	.23114	.37756
#1	63548.	67761.
#2	63772.	67314.
#3	63495.	67325.

Approved: April 04, 2011

Sample Name: L1103083325 Acquired: 4/2/2011 3:07:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00531**	**201.32**	**.13808**	**.14352**	**1.6963**	**.01259**	**31.858**
Stddev	.00030	.07	.00129	.00152	.0044	.00003	.161
%RSD	5.6425	.03433	.93156	1.0616	.26069	.24308	.50627
#1	.00496	201.40	.13743	.14446	1.6913	.01262	31.684
#2	.00545	201.26	.13957	.14176	1.6979	.01256	31.889
#3	.00551	201.31	.13726	.14434	1.6998	.01259	32.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01742**	**.14880**	**.27423**	**.30195**	**324.54**	**17.456**	**.17444**
Stddev	.00005	.00089	.00103	.00249	3.16	.071	.00100
%RSD	.27345	.59652	.37576	.82419	.97413	.40671	.57423
#1	.01738	.14778	.27444	.29921	325.85	17.402	.17341
#2	.01747	.14921	.27515	.30407	320.93	17.429	.17541
#3	.01740	.14940	.27312	.30259	326.83	17.536	.17450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.429**	**6.5489**	**.01166**	**1.0115**	**.24383**	F **192880.**	**1.1169**
Stddev	.239	.0260	.00013	.0035	.00051	452.	.0005
%RSD	.84098	.39711	1.1559	.34199	.21108	.23421	.04734
#1	28.204	6.5253	.01169	1.0140	.24351	192440.	1.1168
#2	28.404	6.5447	.01151	1.0075	.24443	193340.	1.1164
#3	28.680	6.5768	.01177	1.0129	.24357	192870.	1.1175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083325 Acquired: 4/2/2011 3:07:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1491.6**	F **116.94**	F **-44023.**	**.00951**	**.00696**	**4.4956**	**.02903**
Stddev	138.0	.64	47.	.00134	.00277	.0328	.00025
%RSD	9.2494	.55011	.10750	14.086	39.719	.72865	.87848
#1	-1476.8	116.20	-43973.	.00913	.00587	4.4722	.02875
#2	-1636.3	117.30	-44067.	.01100	.00492	4.5331	.02908
#3	-1361.6	117.33	-44030.	.00840	.01011	4.4815	.02925
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24495**	**.27961**	**.00935**	**.37165**	**2.9722**	F **95.930**
Stddev	.00072	.00085	.00077	.00089	.0057	.369
%RSD	.29193	.30316	8.2893	.23828	.19135	.38480
#1	.24421	.27958	.01008	.37089	2.9670	96.094
#2	.24502	.27878	.00943	.37144	2.9712	96.189
#3	.24563	.28047	.00854	.37262	2.9783	95.508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63507.**	**66351.**
Stddev	104.	813.
%RSD	.16391	1.2252
#1	63609.	66717.
#2	63511.	66917.
#3	63401.	65420.

Approved: April 04, 2011

Sample Name: L1103083326 Acquired: 4/2/2011 3:11:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00631**	**159.95**	**.10155**	**.12149**	**1.6509**	**.00885**
Stddev	.00040	2.01	.00160	.00200	.0048	.00005
%RSD	6.4110	1.2578	1.5800	1.6485	.28828	.55692
#1	.00599	162.25	.09975	.12097	1.6548	.00887
#2	.00676	158.54	.10283	.12370	1.6456	.00879
#3	.00617	159.05	.10206	.11980	1.6522	.00888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.919**	**.02358**	**.14582**	**.22833**	**.23436**	**230.94**
Stddev	.249	.00009	.00047	.00034	.00207	2.36
%RSD	.55401	.36872	.32026	.14804	.88191	1.0209
#1	45.028	.02365	.14636	.22853	.23664	231.31
#2	44.634	.02361	.14561	.22794	.23383	233.10
#3	45.095	.02348	.14549	.22853	.23262	228.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.703**	**.13721**	**24.893**	**7.2914**	**.01140**	**.67206**
Stddev	.078	.00210	.020	.0101	.00019	.00958
%RSD	.30373	1.5296	.08006	.13798	1.6860	1.4250
#1	25.728	.13596	24.910	7.3021	.01162	.67947
#2	25.616	.13963	24.898	7.2821	.01128	.66125
#3	25.766	.13604	24.871	7.2902	.01130	.67546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083326 Acquired: 4/2/2011 3:11:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17828**	F **203800.**	**.93337**	F **-742.34**	F **306.49**	F **-135240.**
Stddev	.00035	498.	.00206	491.63	1.94	34.
%RSD	.19767	.24446	.22118	66.227	.63205	.02541
#1	.17869	204370.	.93550	-1274.6	308.72	-135280.
#2	.17814	203560.	.93325	-647.23	305.39	-135210.
#3	.17803	203470.	.93137	-305.21	305.35	-135250.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01597**	**.01076**	**5.7393**	**.02472**	**.30919**	**.37372**
Stddev	.00115	.00144	.0201	.00041	.00196	.00186
%RSD	7.2279	13.430	.34960	1.6434	.63370	.49782
#1	.01506	.01238	5.7485	.02511	.31054	.37529
#2	.01558	.01030	5.7163	.02476	.30695	.37166
#3	.01727	.00960	5.7532	.02430	.31010	.37422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00722**	**.30019**	**4.3085**	F **74.657**
Stddev	.00078	.00114	.0090	.161
%RSD	10.769	.38016	.20954	.21629
#1	.00812	.30147	4.3188	74.609
#2	.00670	.29929	4.3019	74.837
#3	.00685	.29981	4.3049	74.525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083326 Acquired: 4/2/2011 3:11:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64179.**	**65974.**
Stddev	286.	471.
%RSD	.44561	.71344
#1	63854.	65587.
#2	64290.	65836.
#3	64393.	66498.

Approved: April 04, 2011

Sample Name: L1103083327 Acquired: 4/2/2011 3:14:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00696**	**193.87**	**.13978**	**.17601**	**1.4334**	**.01373**	**29.055**
Stddev	.00019	.24	.00103	.00221	.0012	.00005	.035
%RSD	2.7468	.12196	.73968	1.2562	.08082	.38401	.11875
#1	.00700	194.01	.13931	.17527	1.4341	.01367	29.020
#2	.00712	194.00	.14097	.17850	1.4321	.01376	29.089
#3	.00675	193.59	.13907	.17427	1.4341	.01376	29.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01943**	**.33091**	**.27089**	**.27258**	**408.73**	**17.382**	**.17099**
Stddev	.00006	.00037	.00188	.00041	3.28	.055	.00037
%RSD	.28925	.11105	.69276	.15042	.80335	.31890	.21792
#1	.01949	.33088	.26931	.27212	408.44	17.319	.17057
#2	.01942	.33056	.27040	.27271	412.15	17.408	.17114
#3	.01937	.33129	.27296	.27291	405.60	17.420	.17127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.871**	**16.137**	**.01287**	**.93440**	**.27169**	F **150780.**	**.73733**
Stddev	.095	.020	.00015	.00400	.00101	56.	.00143
%RSD	.33919	.12358	1.1842	.42771	.37081	.03711	.19365
#1	27.773	16.126	.01299	.93250	.27245	150720.	.73652
#2	27.961	16.160	.01270	.93171	.27206	150800.	.73898
#3	27.880	16.125	.01294	.93900	.27055	150830.	.73649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083327 Acquired: 4/2/2011 3:14:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-686.83**	F **122.37**	F **-48118.**	**.01083**	**.01034**	**5.0486**	**.00921**
Stddev	364.67	.09	30.	.00073	.00276	.0130	.00015
%RSD	53.094	.07572	.06233	6.7882	26.659	.25793	1.6333
#1	-987.66	122.42	-48086.	.01072	.01226	5.0622	.00921
#2	-281.26	122.27	-48121.	.01015	.01159	5.0363	.00906
#3	-791.58	122.43	-48146.	.01161	.00718	5.0473	.00936
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25258**	**.29639**	**.01475**	**.41366**	**3.4561**	F **104.01**
Stddev	.00052	.00093	.00124	.00143	.0035	1.22
%RSD	.20551	.31535	8.4232	.34680	.10124	1.1689
#1	.25216	.29576	.01364	.41218	3.4527	102.77
#2	.25316	.29747	.01453	.41376	3.4561	104.07
#3	.25241	.29595	.01609	.41505	3.4597	105.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63883.**	**66529.**
Stddev	66.	446.
%RSD	.10319	.67101
#1	63924.	66580.
#2	63917.	66059.
#3	63807.	66948.

Approved: April 04, 2011

Sample Name: L1103083328 Acquired: 4/2/2011 3:18:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00764**	**156.11**	**.12311**	**.12385**	**1.5215**	**.00948**
Stddev	.00065	.94	.00141	.00319	.0044	.00001
%RSD	8.5366	.60010	1.1489	2.5783	.29167	.07281
#1	.00795	157.12	.12257	.12059	1.5164	.00948
#2	.00807	155.26	.12471	.12399	1.5244	.00948
#3	.00689	155.94	.12204	.12697	1.5237	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.096**	**.02696**	**.12655**	**.21763**	**.26879**	**260.06**
Stddev	.159	.00012	.00046	.00119	.00215	3.74
%RSD	.45381	.44604	.36615	.54688	.79953	1.4389
#1	34.920	.02709	.12688	.21718	.27020	256.32
#2	35.229	.02692	.12673	.21898	.26985	260.06
#3	35.140	.02686	.12602	.21673	.26632	263.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.371**	**.13482**	**25.547**	**7.0389**	**.01043**	**.64212**
Stddev	.097	.00118	.197	.0233	.00016	.00476
%RSD	.45598	.87729	.77179	.33174	1.5521	.74156
#1	21.268	.13396	25.320	7.0122	.01061	.64687
#2	21.385	.13617	25.656	7.0554	.01038	.64215
#3	21.462	.13434	25.667	7.0491	.01029	.63735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 04, 2011

Sample Name: L1103083328 Acquired: 4/2/2011 3:18:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19423**	F **163780.**	**1.1911**	F **-1239.6**	F **230.09**	F **-100220.**
Stddev	.00119	315.	.0017	574.9	1.09	230.
%RSD	.61172	.19260	.13941	46.377	.47463	.22952
#1	.19559	164000.	1.1929	-1861.2	231.20	-100280.
#2	.19374	163930.	1.1907	-1130.5	230.07	-100420.
#3	.19337	163420.	1.1897	-727.05	229.01	-99971.
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit		900.00		9.0000	9.0000	9.0000
Low Limit		-.00400		-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01371**	**.00873**	**4.5930**	**.01370**	**.24897**	**.30883**
Stddev	.00240	.00155	.0352	.00031	.00048	.00026
%RSD	17.533	17.772	.76702	2.2706	.19237	.08309
#1	.01282	.00706	4.6196	.01383	.24846	.30857
#2	.01187	.01013	4.6063	.01392	.24942	.30883
#3	.01643	.00899	4.5530	.01334	.24904	.30909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00861**	**.30377**	**5.5662**	F **84.856**
Stddev	.00077	.00042	.0060	.379
%RSD	8.9855	.13781	.10814	.44637
#1	.00859	.30364	5.5730	84.506
#2	.00939	.30423	5.5640	85.258
#3	.00785	.30342	5.5616	84.803
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				45.000
Low Limit				-.00400

Approved: April 04, 2011

Sample Name: L1103083328 Acquired: 4/2/2011 3:18:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64355.**	**66798.**
Stddev	250.	658.
%RSD	.38891	.98517
#1	64073.	67555.
#2	64441.	66364.
#3	64552.	66475.

Approved: April 04, 2011

Sample Name: L1103083329 Acquired: 4/2/2011 3:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01134**	**174.29**	**.18328**	**.17040**	**1.6585**	**.01196**	**35.281**
Stddev	.00019	.43	.00072	.00312	.0058	.00002	.139
%RSD	1.6817	.24911	.39142	1.8311	.34841	.20485	.39492
#1	.01112	174.77	.18406	.17257	1.6607	.01199	35.345
#2	.01146	173.93	.18264	.16683	1.6628	.01194	35.377
#3	.01144	174.18	.18313	.17182	1.6519	.01196	35.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03491**	**.16608**	**.28830**	**.35315**	**392.27**	**18.897**	**.15253**
Stddev	.00012	.00004	.00096	.00061	4.27	.077	.00032
%RSD	.34382	.02599	.33214	.17198	1.0874	.40890	.20710
#1	.03502	.16604	.28777	.35307	394.41	18.938	.15265
#2	.03492	.16608	.28941	.35379	387.35	18.945	.15278
#3	.03478	.16613	.28773	.35259	395.03	18.808	.15218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.616**	**10.335**	**.01214**	**.76717**	**.24298**	F **196260.**	**1.7566**
Stddev	.076	.008	.00034	.00495	.00045	81.	.0040
%RSD	.28700	.07351	2.7643	.64540	.18357	.04123	.22770
#1	26.656	10.341	.01195	.77228	.24343	196320.	1.7580
#2	26.665	10.339	.01194	.76684	.24295	196280.	1.7596
#3	26.528	10.327	.01253	.76239	.24254	196170.	1.7520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083329 Acquired: 4/2/2011 3:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1319.3**	F **177.57**	F **-73196.**	**.02251**	**.01087**	**4.9442**	**.01780**
Stddev	595.7	.59	103.	.00151	.00041	.0389	.00029
%RSD	45.154	.33254	.14084	6.7173	3.7480	.78568	1.6191
#1	-1169.0	177.90	-73306.	.02194	.01077	4.9351	.01787
#2	-1975.7	177.93	-73101.	.02423	.01053	4.9868	.01804
#3	-813.08	176.89	-73180.	.02137	.01133	4.9107	.01748
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27522**	**.29324**	**.01262**	**.40886**	**7.7164**	F **104.94**
Stddev	.00120	.00134	.00128	.00079	.0129	.49
%RSD	.43663	.45607	10.139	.19306	.16677	.46916
#1	.27577	.29390	.01329	.40810	7.7017	105.16
#2	.27605	.29413	.01114	.40881	7.7260	105.28
#3	.27384	.29171	.01342	.40967	7.7214	104.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63998.**	**67731.**
Stddev	169.	444.
%RSD	.26465	.65613
#1	63961.	67249.
#2	63849.	67819.
#3	64182.	68125.

Approved: April 04, 2011

Sample Name: L1103083330 Acquired: 4/2/2011 3:25:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00648**	**148.76**	**.14774**	**.14107**	**1.3866**	**.01084**	**32.742**
Stddev	.00069	1.98	.00081	.00138	.0041	.00006	.121
%RSD	10.691	1.3314	.54583	.98096	.29462	.55839	.37041
#1	.00722	146.63	.14698	.14030	1.3871	.01080	32.725
#2	.00638	149.11	.14859	.14267	1.3904	.01091	32.871
#3	.00584	150.55	.14764	.14024	1.3822	.01082	32.631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**.18424**	**.21393**	**.26073**	**326.23**	**14.363**	**.12794**
Stddev	.00003	.00047	.00083	.00066	2.30	.027	.00078
%RSD	.13957	.25730	.38842	.25329	.70397	.18891	.61143
#1	.01961	.18467	.21450	.26132	326.19	14.357	.12787
#2	.01956	.18432	.21430	.26085	328.55	14.393	.12719
#3	.01960	.18373	.21297	.26002	323.95	14.340	.12875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.218**	**9.9284**	**.01155**	**.58198**	**.22015**	F **163270.**	**.90689**
Stddev	.056	.0095	.00020	.00463	.00048	45.	.00080
%RSD	.21252	.09619	1.6929	.79476	.21847	.02749	.08860
#1	26.157	9.9178	.01172	.58153	.22054	163290.	.90646
#2	26.230	9.9363	.01158	.58682	.22030	163220.	.90640
#3	26.266	9.9311	.01134	.57760	.21961	163300.	.90782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 04, 2011

Sample Name: L1103083330 Acquired: 4/2/2011 3:25:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1630.9**	F **206.32**	F **-89033.**	**.00948**	**.00901**	**5.0862**	**.01172**
Stddev	1018.8	.77	87.	.00082	.00143	.0413	.00014
%RSD	62.465	.37335	.09821	8.6963	15.908	.81105	1.1618
#1	-2746.7	206.92	-89087.	.00883	.01020	5.0572	.01166
#2	-1395.7	206.59	-88932.	.01041	.00742	5.1334	.01188
#3	-750.34	205.45	-89080.	.00920	.00942	5.0680	.01162
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22987**	**.27363**	**.01139**	**.35130**	**3.4277**	F **88.686**
Stddev	.00082	.00173	.00070	.00139	.0023	.824
%RSD	.35803	.63258	6.1847	.39527	.06671	.92856
#1	.22974	.27235	.01089	.35107	3.4302	88.858
#2	.23076	.27560	.01219	.35278	3.4271	89.411
#3	.22913	.27295	.01108	.35003	3.4258	87.791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64338.**	**67665.**
Stddev	102.	173.
%RSD	.15894	.25571
#1	64347.	67494.
#2	64232.	67840.
#3	64435.	67661.

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 3:29:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42166**	**10.385**	**.41373**	**.50787**	**1.0116**	**.05160**	**10.081**
Stddev	.00286	.022	.00036	.00185	.0073	.00014	.071
%RSD	.67938	.21246	.08668	.36417	.72399	.26625	.70239
#1	.42447	10.372	.41332	.50881	1.0068	.05160	10.026
#2	.41875	10.372	.41398	.50573	1.0201	.05147	10.161
#3	.42176	10.410	.41389	.50905	1.0081	.05174	10.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05214**	**.21112**	**.51891**	**.52454**	**4.1517**	**51.239**	**1.0159**
Stddev	.00010	.00039	.00192	.00149	.0349	.295	.0048
%RSD	.19335	.18681	.37040	.28329	.84083	.57527	.46994
#1	.05215	.21112	.51792	.52382	4.1374	51.022	1.0110
#2	.05204	.21073	.51768	.52355	4.1915	51.575	1.0205
#3	.05224	.21152	.52112	.52625	4.1263	51.121	1.0162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.542**	**.52016**	**1.0691**	**50.956**	**.52459**	F **53.667**	**.52719**
Stddev	.075	.00117	.0013	.116	.00097	12.495	.00326
%RSD	.71443	.22445	.12185	.22807	.18486	23.282	.61767
#1	10.494	.51922	1.0677	50.841	.52448	63.871	.52431
#2	10.629	.52147	1.0693	51.074	.52368	39.732	.52654
#3	10.504	.51979	1.0702	50.953	.52561	57.398	.53072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: April 04, 2011

Sample Name: CCV Acquired: 4/2/2011 3:29:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1083.7**	**10.718**	F **-17.957**	**1.3085**	**.41516**	F **.08660**	**1.0997**
Stddev	438.9	.072	9.061	.0013	.00124	.00155	.0019
%RSD	40.501	.67637	50.459	.09637	.29958	1.7853	.17636
#1	589.36	10.734	-25.736	1.3086	.41530	.08756	1.0987
#2	1234.2	10.639	-20.126	1.3096	.41632	.08482	1.0984
#3	1427.6	10.782	-8.0081	1.3071	.41385	.08743	1.1019
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0061**	**1.0773**	**.53266**	**1.0371**	**1.0367**	**.97632**
Stddev	.0021	.0032	.00113	.0041	.0022	.12645
%RSD	.20919	.29721	.21294	.39346	.21436	12.951
#1	1.0041	1.0760	.53381	1.0416	1.0348	.86147
#2	1.0083	1.0809	.53262	1.0336	1.0361	1.1118
#3	1.0059	1.0749	.53154	1.0362	1.0391	.95566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65475.**	**65618.**
Stddev	249.	889.
%RSD	.37988	1.3552
#1	65605.	66341.
#2	65633.	64625.
#3	65189.	65887.

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 3:32:47 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00160**	**-.00099**	**.00084**	**.00000**	**.00002**	**-.00920**
Stddev	.00003	.00091	.00025	.00065	.0002	.00001	.00515
%RSD	8.0063	57.129	24.985	77.689	129960.	53.646	55.957
#1	-.00030	.00204	-.00106	.00068	.00010	.00001	-.00328
#2	-.00034	.00221	-.00120	.00028	.00015	.00003	-.01173
#3	-.00035	.00055	-.00072	.00156	-.00025	.00002	-.01259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00003**	**-.00016**	**.00044**	**-.00230**	**.11893**	**-.00233**
Stddev	.00003	.00007	.00024	.00007	.00066	.02282	.00196
%RSD	42.503	226.98	146.69	15.375	28.926	19.184	84.086
#1	-.00006	-.00005	.00011	.00051	-.00153	.10544	-.00377
#2	-.00005	.00004	-.00025	.00038	-.00274	.10608	-.00010
#3	-.00010	-.00008	-.00034	.00044	-.00262	.14527	-.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01879**	**.00007**	**.00026**	**-.00230**	**-.00020**	F **26.133**	**-.00060**
Stddev	.00213	.00050	.00002	.00301	.00020	6.492	.00095
%RSD	11.337	730.25	7.0294	130.93	97.305	24.840	158.29
#1	-.01882	-.00018	.00027	-.00214	-.00024	32.207	.00012
#2	-.01665	.00064	.00024	-.00539	-.00038	26.901	-.00024
#3	-.02091	-.00025	.00027	.00063	.00001	19.292	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: April 04, 2011

Sample Name: CCB Acquired: 4/2/2011 3:32:47 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1311) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1043.5**	F **.05868**	F **-30.425**	**.00034**	**-.00105**	**.00896**	**.00026**
Stddev	314.6	.03626	8.555	.00028	.00188	.00224	.00006
%RSD	30.150	61.796	28.120	80.921	178.39	25.025	24.031
#1	747.89	.10006	-33.370	.00036	.00024	.00696	.00033
#2	1374.2	.03244	-20.786	.00006	-.00320	.01138	.00022
#3	1008.5	.04354	-37.118	.00061	-.00019	.00853	.00022
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00133**	**-.00030**	**.00003**	**.00010**	F **-.14439**
Stddev	.00006	.00057	.00061	.00004	.00003	.13573
%RSD	548.44	42.621	206.19	158.60	28.994	93.999
#1	.00006	-.00127	-.00068	-.00001	.00010	-.25195
#2	-.00004	-.00192	-.00063	.00001	.00007	.00811
#3	-.00005	-.00080	.00041	.00007	.00013	-.18933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66702.**	**65468.**
Stddev	167.	263.
%RSD	.25075	.40187
#1	66728.	65418.
#2	66855.	65233.
#3	66524.	65752.

Approved: April 04, 2011

2.1.2 Metals ICP-MS Data

2.1.2.1 Summary Data

Login Number: L11031030

Department: Metals

Analyst: Erin Long

METHOD

Preparation: SW-846 3051

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360516 - All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: WG360516 - Due to the high levels of nontarget analytes, client samples 01, 02, and 04 were analyzed at dilutions for all analytes.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 24712
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11031030

04/05/11 16:08

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-32911-SS-7'-SW-5	L11031030-01	6020	5	31-MAR-11
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	6020	5	31-MAR-11
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	6020	5	31-MAR-11

Microbac Laboratories Inc.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	**L11031030-01**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-32911-SS-7'-SW-5**	Prep Method:	**3051A**	Prep Date:	**03/31/2011 12:24**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**03/31/2011 10:22**
Workgroup Number:	**WG360516**	Analyst:	**EDL**	Run Date:	**03/31/2011 18:28**
Collect Date:	**03/29/2011 12:00**	Dilution:	**5**	File ID:	**EL.033111.182807**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**81.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**		**U**	**0.588**	**0.294**
Chromium, Total	**7440-47-3**	**8.05**		**2.35**	**1.18**

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-02	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU57-32911-SS-13'-FC-NU	Prep Method:	3051A	Prep Date:	03/31/2011 12:24
Matrix:	Soil	Analytical Method:	6020	Cal Date:	03/31/2011 10:22
Workgroup Number:	WG360516	Analyst:	EDL	Run Date:	03/31/2011 18:35
Collect Date:	03/29/2011 13:00	Dilution:	5	File ID:	EL.033111.183515
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	75.6

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.654	0.327
Chromium, Total	7440-47-3	14.4		2.62	1.31

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11031030**
Report Date : **April 5, 2011**

Sample Number:	L11031030-04	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-33011-SS-FC-14'-NI	Prep Method:	3051A	Prep Date:	03/31/2011 12:24
Matrix:	Soil	Analytical Method:	6020	Cal Date:	03/31/2011 10:22
Workgroup Number:	WG360516	Analyst:	EDL	Run Date:	03/31/2011 18:42
Collect Date:	03/30/2011 16:25	Dilution:	5	File ID:	EL.033111.184223
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	81.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.615	0.308
Chromium, Total	7440-47-3	10.8		2.46	1.23

U Analyte was not detected. The concentration is below the reported LOD.

2.1.2.2 QC Summary Data

Example 6020 Calculations
Perkin Elmer ELAN 6100

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	100
Vi = Initial volume	40
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/L)	0.25

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	200
Vi = Initial volume	0.5
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/kg)	40

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	40
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	50

50 ug/kg = 0.050 mg/kg

Perkin Elmer ELAN ICP/MS

STANDARDS KEY

QC Std 1 - ICV
QC Std 2 - ICB
QC Std 3 - LLICV
QC Std 4 - ICSA
QC Std 5 - ICSAB
QC Std 6 - CCV
QC Std 7 - CCB
QC Std 8 - LLCCV

Calibration Solutions

Analyte	Stock Conc. (mg/L)	S1 (mg/L)	S2 (mg/L)	S3 (mg/L)	S4 (mg/L)
Al	10	0	0.0004	0.05	0.1
Sb	10	0	0.0004	0.05	0.1
As	10	0	0.0004	0.05	0.1
Ba	10	0	0.0004	0.05	0.1
Be	10	0	0.0004	0.05	0.1
Ca	1000	0	0.04	5	10
Cd	10	0	0.0004	0.05	0.1
Cr	10	0	0.0004	0.05	0.1
Co	10	0	0.0004	0.05	0.1
Cu	10	0	0.0004	0.05	0.1
Fe	1000	0	0.04	5	10
Pb	10	0	0.0004	0.05	0.1
Mg	1000	0	0.04	5	10
Mn	10	0	0.0004	0.05	0.1
Ni	10	0	0.0004	0.05	0.1
K	1000	0	0.04	5	10
Se	10	0	0.0004	0.05	0.1
Ag	10	0	0.0004	0.05	0.1
Na	1000	0	0.04	5	10
Tl	10	0	0.0004	0.05	0.1
V	10	0	0.0004	0.05	0.1
U	1000	0	0.0004	0.05	0.1
Zn	10	0	0.0004	0.05	0.1

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360489
Analyst: VC
Spike Analyst: VC
Run Date: 03/31/2011 12:24
Method: 3051A
Balance: BAL013
Instrument: MW-2

SOP: ME406 Revison 12
Spike Solution: STD41894
Spike Witness: ERP
HNO3 Lot #: COA15168
Digestion Tubes Lot #: COA15251

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360489-02	BLANK	7	.5 g	200 mL	173.789 g	173.778 g		
2	WG360489-03	LCS	7	.5 g	200 mL	175.202 g	175.196 g	.5 mL	
3	L11030995-01	SAMP	7	.512 g	200 mL	175.317 g	175.316 g		04/04/11
4	L11030995-03	SAMP	7	.509 g	200 mL	173.97 g	173.969 g		04/04/11
5	L11031002-01	SAMP	7	.5 g	200 mL	173.646 g	173.646 g		04/08/11
6	L11031004-01	SAMP	7	.547 g	200 mL	174.118 g	174.114 g		04/08/11
7	L11031004-03	SAMP	7	.519 g	200 mL	172.221 g	172.218 g		04/08/11
8	L11031006-01	SAMP	7	.527 g	200 mL	173.9 g	173.895 g		04/08/11
9	L11031008-01	SAMP	7	.508 g	200 mL	176.141 g	176.135 g		04/08/11
10	L11031008-03	SAMP	7	.503 g	200 mL	174.498 g	174.481 g		04/08/11
11	L11031010-01	SAMP	7	.509 g	200 mL	173.387 g	173.38 g		04/08/11
12	L11031012-01	SAMP	7	.517 g	200 mL	173.077 g	173.074 g		04/08/11
13	L11031012-03	SAMP	7	.507 g	200 mL	173.369 g	173.364 g		04/08/11
14	L11031030-01	SAMP	7	.521 g	200 mL	173.971 g	173.957 g		04/01/11
15	L11031030-02	SAMP	7	.506 g	200 mL	174.243 g	174.23 g		04/01/11
16	WG360489-01	REF	7	.502 g	200 mL	173.387 g	173.385 g		
17	L11031030-04	SAMP	7	.502 g	200 mL	173.387 g	173.385 g		04/01/11
18	WG360489-04	MS	7	.502 g	200 mL	175.894 g	175.888 g	.5 mL	
19	WG360489-05	MSD	7	.502 g	200 mL	174.349 g	174.348 g	.5 mL	

Analyst: Vicki Collins

Reviewer: Erin Potter

MW_DIG - Modified 09/30/2009
PDF ID: 1959467
Report generated: 03/31/2011 13:36

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 033111B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36915

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360441, 359367, 360221, 360149, 360516

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.033111.100157	WG360519-01	Calibration Point		1		03/31/11 10:01
2	EL.033111.100841	WG360519-02	Calibration Point		1		03/31/11 10:08
3	EL.033111.101527	WG360519-03	Calibration Point		1		03/31/11 10:15
4	EL.033111.102213	WG360519-04	Calibration Point		1		03/31/11 10:22
5	EL.033111.102858	WG360519-05	Initial Calibration Verification		1		03/31/11 10:28
6	EL.033111.103603	WG360519-06	Initial Calib Blank		1		03/31/11 10:36
7	EL.033111.104310	WG360519-07	Low Level Initial Calibration V		1		03/31/11 10:43
8	EL.033111.105018	WG360519-08	Interference Check		1		03/31/11 10:50
9	EL.033111.105726	WG360519-09	Interference Check		1		03/31/11 10:57
10	EL.033111.110434	WG360519-10	CCV		1		03/31/11 11:04
11	EL.033111.111140	WG360519-11	CCB		1		03/31/11 11:11
12	EL.033111.111844	WG360427-02	Method/Prep Blank	40/100	1		03/31/11 11:18
13	EL.033111.112549	WG360427-03	Laboratory Control S	40/100	1		03/31/11 11:25
14	EL.033111.113254	WG360427-01	Reference Sample		2	L11030988-01	03/31/11 11:32
15	EL.033111.114000	WG360427-04	Matrix Spike	40/100	2	L11030988-01	03/31/11 11:40
16	EL.033111.114706	WG360427-05	Duplicate	40/100	2	L11030988-01	03/31/11 11:47
17	EL.033111.115412	WG360441-01	Post Digestion Spike		2	L11030988-01	03/31/11 11:54
18	EL.033111.120119	WG360441-02	Serial Dilution		10	L11030988-01	03/31/11 12:01
19	EL.033111.120825	WG360519-12	CCV		1		03/31/11 12:08
20	EL.033111.121531	WG360519-13	CCB		1		03/31/11 12:15
21	EL.033111.122237	WG359321-02	Method/Prep Blank	.5/200	1		03/31/11 12:22
22	EL.033111.122944	WG359321-03	Laboratory Control S	.5/200	1		03/31/11 12:29
23	EL.033111.123652	L11030427-01	SAMPLE 2	.501/200	5		03/31/11 12:36
24	EL.033111.124400	L11030429-01	SAMPLE \#1	.516/200	5		03/31/11 12:44
25	EL.033111.125106	WG359321-01	Reference Sample		5	L11030501-05	03/31/11 12:51
26	EL.033111.125811	WG359321-04	Matrix Spike	.501/200	5	L11030501-05	03/31/11 12:58
27	EL.033111.130516	WG359321-05	Matrix Spike Duplica	.501/200	5	L11030501-05	03/31/11 13:05
28	EL.033111.131222	WG359367-03	Post Digestion Spike		5	L11030429-01	03/31/11 13:12
29	EL.033111.131928	WG359367-04	Serial Dilution		25	L11030429-01	03/31/11 13:19
30	EL.033111.132634	L11030916-01	126-110324	40/100	250		03/31/11 13:26
31	EL.033111.133341	WG360519-14	CCV		1		03/31/11 13:33
32	EL.033111.134047	WG360519-15	CCB		1		03/31/11 13:40
33	EL.033111.134754	WG360519-16	Low Level Continuing Calibra		1		03/31/11 13:47
34	EL.033111.135632	WG359447-02	Method/Prep Blank	.5/200	1		03/31/11 13:56

Page: 1 Approved: April 01, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 033111B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36915

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360441, 359367, 360221, 360149, 360516

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	EL.033111.140339	WG359447-03	Laboratory Control S	.5/200	1		03/31/11 14:03
36	EL.033111.141047	L11030502-14	ME9998-11-51-110305	.524/200	5		03/31/11 14:10
37	EL.033111.141754	L11030502-15	ME9999-01-51-110304	.518/200	5		03/31/11 14:17
38	EL.033111.142503	L11030502-16	ME9999-11-51-110304	.5/200	5		03/31/11 14:25
39	EL.033111.143211	L11030503-01	SM9000-01-51-110219	.528/200	5		03/31/11 14:32
40	EL.033111.143918	L11030503-02	SM9000-01-51-110225	.503/200	5		03/31/11 14:39
41	EL.033111.144623	L11030503-03	SM9000-01-52-110225	.505/200	5		03/31/11 14:46
42	EL.033111.145329	WG360149-03	Post Digestion Spike		5	L11030503-03	03/31/11 14:53
43	EL.033111.150035	WG360149-04	Serial Dilution		25	L11030503-03	03/31/11 15:00
44	EL.033111.150741	WG360519-17	CCV		1		03/31/11 15:07
45	EL.033111.151447	WG360519-18	CCB		1		03/31/11 15:14
46	EL.033111.152152	L11030503-04	SM9000-11-51-110219	.507/200	5		03/31/11 15:21
47	EL.033111.152859	L11030503-05	SM9000-11-51-110225	.526/200	5		03/31/11 15:28
48	EL.033111.153606	WG359447-01	Reference Sample		5	L11030612-21	03/31/11 15:36
49	EL.033111.154313	WG359447-04	Matrix Spike	.524/200	5	L11030612-21	03/31/11 15:43
50	EL.033111.155021	WG359447-05	Matrix Spike Duplica	.524/200	5	L11030612-21	03/31/11 15:50
51	EL.033111.155729	WG359367-03	Post Digestion Spike		5	L11030429-01	03/31/11 15:57
52	EL.033111.160437	WG360519-19	CCV		1		03/31/11 16:04
53	EL.033111.161143	WG360519-20	CCB		1		03/31/11 16:11
54	EL.033111.161850	WG360519-21	Low Level Continuing Calibra		1		03/31/11 16:18
55	EL.033111.162655	WG360489-02	Method/Prep Blank	.5/200	1		03/31/11 16:26
56	EL.033111.163401	WG360489-03	Laboratory Control S	.5/200	1		03/31/11 16:34
57	EL.033111.164108	L11030995-01	\#1	.512/200	5		03/31/11 16:41
58	EL.033111.164815	L11030995-03	\#2	.509/200	5		03/31/11 16:48
59	EL.033111.165523	L11031002-01	SAMPLE\#3	.5/200	5		03/31/11 16:55
60	EL.033111.170231	L11031004-01	SAMPLE\#1	.547/200	5		03/31/11 17:02
61	EL.033111.170939	L11031004-03	SAMPLE\#2	.519/200	5		03/31/11 17:09
62	EL.033111.171648	L11031006-01	SAMPLE\#1	.527/200	5		03/31/11 17:16
63	EL.033111.172357	WG360516-01	Post Digestion Spike		5	L11031006-01	03/31/11 17:23
64	EL.033111.173106	WG360516-02	Serial Dilution		25	L11031006-01	03/31/11 17:31
65	EL.033111.173814	WG360519-22	CCV		1		03/31/11 17:38
66	EL.033111.174520	WG360519-23	CCB		1		03/31/11 17:45
67	EL.033111.175227	L11031008-01	SAMPLE\#1	.508/200	5		03/31/11 17:52
68	EL.033111.175937	L11031008-03	SAMPLE\#2	.503/200	5		03/31/11 17:59

Page: 2 Approved: April 01, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 033111B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36915

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360441, 359367, 360221, 360149, 360516

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	EL.033111.180645	L11031010-01	SAMPLE\#3	.509/200	5		03/31/11 18:06
70	EL.033111.181352	L11031012-01	SAMPLE\#1	.517/200	5		03/31/11 18:13
71	EL.033111.182100	L11031012-03	SAMPLE\#2	.507/200	5		03/31/11 18:21
72	EL.033111.182807	L11031030-01	SWMU-57-32911-SS-7'-SW-5	.521/200	5		03/31/11 18:28
73	EL.033111.183515	L11031030-02	SWMU57-32911-SS-13'-FC-I	.506/200	5		03/31/11 18:35
74	EL.033111.184223	L11031030-04	SWMU-57-33011-SS-FC-14'-		5	WG360489-01	03/31/11 18:42
75	EL.033111.184932	WG360489-04	Matrix Spike	.502/200	5	L11031030-04	03/31/11 18:49
76	EL.033111.185641	WG360489-05	Matrix Spike Duplica	.502/200	5	L11031030-04	03/31/11 18:56
77	EL.033111.190349	WG360519-24	CCV		1		03/31/11 19:03
78	EL.033111.191055	WG360519-25	CCB		1		03/31/11 19:10
79	EL.033111.191802	WG360519-26	Low Level Continuing Calibra		1		03/31/11 19:18

  Approved: April 01, 2011

Maren Berry

Microbac Laboratories Inc.

Data Checklist

Date: 31-MAR-2011
Analyst: EDL
Analyst: NA
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 360519
Runlog ID: 39779
Analytical Workgroups: 360441, 359367, 360221, 360149, 360516

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	X
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	916
Level 4	502, 503, 995, 002, 004, 006, 008, 010
Additional Level 4	012, 030
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	KHR
Secondary Reviewer	MMB
Comments	

Primary Reviewer:
01-APR-2011

Secondary Reviewer:
01-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-01-2011 15:15:11

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6020 AAB#: WG360516

Login Number: L11031030

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-32911-SS-7'-SW-	01	03/29/11					03/31/11	2	180		03/31/11	2.3	180	
SWMU57-32911-SS-13'-FC-	02	03/29/11					03/31/11	2	180		03/31/11	2.2	180	
SWMU-57-33011-SS-FC-14'	04	03/30/11					03/31/11	.8	180		03/31/11	1.1	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1960564
Report generated 04/01/2011 11:27

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11031030
Work Group: WG360516
Blank File ID: EL.033111.162655
Blank Sample ID: WG360489-02
Prep Date: 03/31/11 12:24
Instrument ID: ELAN-ICP
Analyzed Date: 03/31/11 16:26
Method: 6020
Analyst: EDL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360489-03	EL.033111.163401	03/31/11 16:34	01
SWMU-57-32911-SS-7'-SW-5	L11031030-01	EL.033111.182807	03/31/11 18:28	DL01
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	EL.033111.183515	03/31/11 18:35	DL01
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	EL.033111.184223	03/31/11 18:42	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1960565
Report generated 04/01/2011 11:27

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11031030 Prep Date: 03/31/11 12:24 Sample ID: WG360489-02
Instrument ID: ELAN-ICP Run Date: 03/31/11 16:26 Prep Method: 3051A
File ID: EL.033111.162655 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360516 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ELAN-I - 31-MAR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Cadmium, Total	0.0500	0.100	0.0500	1	U
Chromium, Total	0.200	0.400	0.200	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1960566
01-APR-2011 11:27

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360489-03
Instrument ID: ELAN-ICP Run Time: 16:34 Prep Method: 3051A
File ID: EL.033111.163401 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360516 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-31-MAR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Cadmium, Total	10.0	9.56	95.6	80 - 120	
Chromium, Total	10.0	10.0	100	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1960567
Report generated: 04/01/2011 11:27

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11031030 Cal ID:ELAN-ICP- Worknum:WG360516

Instrument ID:ELAN-ICP Contract #: Method:6020

Parent ID:WG360489-01 File ID:EL.033111.184223 Dil:5 Matrix:SOLID

Sample ID:WG360489-04 MS File ID:EL.033111.184932 Dil:5 Units:mg/kg

Sample ID:WG360489-05 MSD File ID:EL.033111.185641 Dil:5 Percent Solid:81.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Cadmium, Total	ND	12.3	13.2	108	12.3	12.6	102	5.16	80 - 120	20	
Chromium, Total	10.8	12.3	27.7	138	12.3	19.8	73.4	33.2	80 - 120	20	*#

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008

PDF File ID:1960568

Report generated 04/01/2011 11:27

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11031030 **Worknum:** WG360516
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG360516-02 **File ID:** EL.033111.173106 **Dil:** 25 **Units:** ug/L
Sample: L11031006-01 **File ID:** EL.033111.171648 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Cadmium	8.9	X	6.925	X	22.20	
Chromium	19.15	X	ND	U		

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1960562
04/01/2011 11:27

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11031030 **Worknum:** WG360516
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG360516-01 **File ID:** EL.033111.172357 **Dil:** 5 **Units:** ug/L
Sample ID: L11031006-01 **File ID:** EL.033111.171648 **Dil:** 5 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
CADMIUM	58.6		1.78		50	113.7	75 - 125	
CHROMIUM	57.0		3.83		50	106.3	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1960563
Report generated: 04/01/2011 11:27

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11031030**	Workgroup (AAB#):	**WG360516**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG360519**	Initial Calibration Date:	**31-MAR-2011 10:22**

	WG360519-01		WG360519-02		WG360519-03		WG360519-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
CADMIUM	0	5.07	.4	561	50	63900	100	129000	.99967	
CHROMIUM	0	8790	.4	11900	50	383000	100	711000	.999979	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-06
Instrument ID: ELAN-ICP Run Time: 10:36 Method: 6020
File ID: EL.033111.103603 Analyst: EDL Units: ug/L
Workgroup (AAB#): WG360516 Cal ID: ELAN-ICP - 31-MAR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
CADMIUM	.125	.25	.125	U
CHROMIUM	.5	1	.5	U

U = Result is less than 2 x MDL

F = Result is between MDL and 2 x MDL

* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1960575
Report generated 04/01/2011 11:27

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11031030	Run Date:	03/31/2011	Sample ID:	WG360519-11
Instrument ID:	ELAN-ICP	Run Time:	11:11	Method:	6020
File ID:	EL.033111.111140	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360516	Cal ID:	ELAN-I - 31-MAR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960579
Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11031030	Run Date:	03/31/2011	Sample ID:	WG360519-20
Instrument ID:	ELAN-ICP	Run Time:	16:11	Method:	6020
File ID:	EL.033111.161143	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360516	Cal ID:	ELAN-I - 31-MAR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960579
Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11031030	Run Date:	03/31/2011	Sample ID:	WG360519-23
Instrument ID:	ELAN-ICP	Run Time:	17:45	Method:	6020
File ID:	EL.033111.174520	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360516	Cal ID:	ELAN-I - 31-MAR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960579
Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11031030	Run Date:	03/31/2011	Sample ID:	WG360519-25
Instrument ID:	ELAN-ICP	Run Time:	19:10	Method:	6020
File ID:	EL.033111.191055	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360516	Cal ID:	ELAN-I - 31-MAR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1960579
Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-05

Instrument ID: ELAN-ICP Run Time: 10:28 Method: 6020

File ID: EL.033111.102858 Analyst: EDL Units: ug/L

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Cadmium		50	50.7	101	90 - 110	
Chromium		50	49.4	98.7	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1960573

Report generated 04/01/2011 11:27

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-10

Instrument ID: ELAN-ICP Run Time: 11:04 Method: 6020

File ID: EL.033111.110434 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	51.9	ug/L	104	90 - 110		
Chromium		50.0	49.1	ug/L	98.2	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960578

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-19

Instrument ID: ELAN-ICP Run Time: 16:04 Method: 6020

File ID: EL.033111.160437 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	51.0	ug/L	102	90 - 110		
Chromium		50.0	48.1	ug/L	96.1	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960578

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-22

Instrument ID: ELAN-ICP Run Time: 17:38 Method: 6020

File ID: EL.033111.173814 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	51.6	ug/L	103	90 - 110		
Chromium		50.0	50.5	ug/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960578

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-24

Instrument ID: ELAN-ICP Run Time: 19:03 Method: 6020

File ID: EL.033111.190349 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	51.9	ug/L	104	90 - 110		
Chromium		50.0	50.2	ug/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1960578

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-07

Instrument ID: ELAN-ICP Run Time: 10:43 Method: 6020

File ID: EL.033111.104310 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.219	ug/L	110	80 - 120		
Chromium		0.800	0.811	ug/L	101	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1960581

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-16

Instrument ID: ELAN-ICP Run Time: 13:47 Method: 6020

File ID: EL.033111.134754 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.192	ug/L	95.9	80 - 120		
Chromium		0.800	0.746	ug/L	93.3	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1960581

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-21

Instrument ID: ELAN-ICP Run Time: 16:18 Method: 6020

File ID: EL.033111.161850 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.185	ug/L	92.6	80 - 120		
Chromium		0.800	0.830	ug/L	104	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1960581

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11031030 Run Date: 03/31/2011 Sample ID: WG360519-26

Instrument ID: ELAN-ICP Run Time: 19:18 Method: 6020

File ID: EL.033111.191802 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360516 Cal ID: ELAN-I - 31-MAR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.202	ug/L	101	80 - 120		
Chromium		0.800	0.831	ug/L	104	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1960581

Report generated 04/01/2011 11:28

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11031030 **Workgroup (AAB#):** WG360516
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG360519-08 **File ID:** EL.033111.105018 **Units:** ug/L
Sol. AB : WG360519-09 **File ID:** EL.033111.105726 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Cadmium	NS	0.0296	NS	100	103	103	
Chromium	NS	-0.0483	NS	100	96.3	96.3	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11031030 **Analytical Method** 6020
Analytical Workgroup: WG360516 **Matrix:** 7
Instrument: ELAN-ICP **Analyst:** EDL
ICAL Date: 31-MAR-2011 10:01

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11031006-01	SAMP	31-MAR-2011 17:16	90.249	92.927	89.115	91.809
L11031030-01	SAMP	31-MAR-2011 18:28	92.265	94.216	90.648	88.994
L11031030-02	SAMP	31-MAR-2011 18:35	91.261	95.466	90.443	91.799
L11031030-04	SAMP	31-MAR-2011 18:42	89.537	95.545	90.974	90.343
WG360489-02	BLANK	31-MAR-2011 16:26	95.29	100.927	99.093	97.373
WG360489-03	LCS	31-MAR-2011 16:34	95.054	101.294	99.848	98.515
WG360489-04	MS	31-MAR-2011 18:49	90.525	95.563	91.517	91.006
WG360489-05	MSD	31-MAR-2011 18:56	89.469	97.149	90.916	89.825
WG360516-01	PSPK	31-MAR-2011 17:23	90.063	91.891	89.829	91.822
WG360516-02	SERIAL	31-MAR-2011 17:31	92.53	96.694	92.819	92.097
WG360519-05	ICV	31-MAR-2011 10:28	94.192	96.704	97.111	97.303
WG360519-06	ICB	31-MAR-2011 10:36	98.31	99.92	101.442	100.031
WG360519-07	LLICV	31-MAR-2011 10:43	95.046	96.701	98.73	96.07
WG360519-08	ICS	31-MAR-2011 10:50	90.915	93.341	91.43	92.089
WG360519-09	ICS	31-MAR-2011 10:57	92.606	87.368	84.127	87.147
WG360519-10	CCV	31-MAR-2011 11:04	94.541	97.657	96.834	96.173
WG360519-11	CCB	31-MAR-2011 11:11	96.003	97.888	99.089	97.098
WG360519-16	LLCCV	31-MAR-2011 13:47	92.137	97.241	95.343	93.844
WG360519-19	CCV	31-MAR-2011 16:04	91.852	97.865	97.141	94.054
WG360519-20	CCB	31-MAR-2011 16:11	93.42	98.767	98.127	96.333
WG360519-21	LLCCV	31-MAR-2011 16:18	91.765	98.176	96.297	93.618
WG360519-22	CCV	31-MAR-2011 17:38	91.969	95.131	93.198	91.194
WG360519-23	CCB	31-MAR-2011 17:45	94.499	99.16	96.671	95.672
WG360519-24	CCV	31-MAR-2011 19:03	89.349	96.706	94.145	92.647
WG360519-25	CCB	31-MAR-2011 19:10	89.746	100.139	96.574	94.664
WG360519-26	LLCCV	31-MAR-2011 19:18	89.316	99.391	94.928	93.765

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1960570
Report generated: 04/01/2011 11:27

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11031030 **Date:** 12/07/2010
Insturment ID: ELAN-ICP **Method:** 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Barium	1.00	100.0
Cadmium	1.00	100.0
Chromium	1.00	100.0
Cobalt	1.00	100.0
Copper	1.00	100.0
Lead	1.00	100.0
Manganese	1.00	100.0
Nickel	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0
Uranium	1.00	100.0
Vanadium	1.00	100.0
Zinc	1.00	100.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

2.1.2.3 Raw Data

Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Thursday, March 31, 2011 10:01:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18383.646	-0.00				ug/L
|	Be	9	14.000	0.00				ug/L
|	Al	27	2617.011	-0.00				ug/L
⌊>	Sc	45	159394.084	159394.08				ug/L
⌈	Ti	49	53.339	0.00				ug/L
|	V	51	2474.104	0.00				ug/L
|	Cr	52	8788.950	0.00				ug/L
|	Cr	53	333.372	0.00				ug/L
|	Mn	55	397.012	-0.00				ug/L
|	Co	59	127.335	-0.00				ug/L
|	Ni	60	56.334	-0.00				ug/L
|	Cu	65	73.334	0.00				ug/L
|	Zn	66	224.338	0.00				ug/L
|>	Ge	72	327123.361	327123.36				ug/L
|	As	75	-160.584	-0.00				ug/L
|	Se	77	82.000	0.00				ug/L
|	Se	82	6.162	0.00				ug/L
⌊	Rb	85	23.000	0.00				mg/L
	Y	89	230021.539	511.35				ug/L
	Rh	103	13.333	-0.00				ug/L
⌈	Mo	98	74.613	-0.00				ug/L
|	Ag	107	41.667	0.00				ug/L
|	Cd	114	5.074	0.00				ug/L
|>	In	115	327027.621	327027.62				ug/L
|	Sn	118	158.135	-0.00				ug/L
⌊	Sb	123	74.076	-0.00				ug/L
⌈	Ba	135	17.667	0.00				ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	400277.178	400277.18				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	16.334	-0.00				ug/L
|	Tl	205	23.336	0.00				ug/L
|	Pb	206	290.674	-0.00				ug/L
|	Pb	207	260.339	-0.00				ug/L
|	Pb	208	1138.703	-0.00				ug/L
|	U	238	29.000	0.00				ug/L
⌊>	Bi	209	343138.509	343138.51				ug/L

Sample ID: Standard 1
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⌈	Na	23	35580.185	-0.01		mg/L
|	Mg	24	473.393	-0.00		mg/L
|	K	39	366553.440	0.27		mg/L
|	Ca	43	203.356	0.00		mg/L
|	Fe	54	55157.370	0.01		mg/L
|	Fe	57	5939.024	0.00		mg/L
⌊>	Sc-1	45	159394.084	159394.08		mg/L
	Cl	35	11724.202	-555.34		mg/L
	Kr	83	58.001	-6.67		mg/L
	Br	81	7494.809	-174.80		mg/L
	P	31	11666.157	403.80		mg/L
	S	34	153218.666	10394.50		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 1
Report Date/Time: Thursday, March 31, 2011 10:04:08

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Thursday, March 31, 2011 10:08:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19869.733	-0.00				ug/L
|	Be	9	134.001	0.00				ug/L
|	Al	27	5368.109	0.01				ug/L
⌊>	Sc	45	171729.717	171729.72				ug/L
⌈	Ti	49	520.066	0.00				ug/L
|	V	51	6082.241	0.01				ug/L
|	Cr	52	11867.490	0.01				ug/L
|	Cr	53	643.418	0.00				ug/L
|	Mn	55	5436.532	0.02				ug/L
|	Co	59	3918.474	0.01				ug/L
|	Ni	60	852.378	0.00				ug/L
|	Cu	65	886.715	0.00				ug/L
|	Zn	66	1927.872	0.01				ug/L
|>	Ge	72	332313.072	332313.07				ug/L
|	As	75	255.690	0.00				ug/L
|	Se	77	102.001	0.00				ug/L
|	Se	82	47.415	0.00				ug/L
⌊	Rb	85	44.334	0.00				mg/L
	Y	89	232982.523	3472.33				ug/L
	Rh	103	12.667	-0.67				ug/L
⌈	Mo	98	2504.206	0.01				ug/L
|	Ag	107	2588.694	0.01				ug/L
|	Cd	114	560.545	0.00				ug/L
|>	In	115	331457.750	331457.75				ug/L
|	Sn	118	2151.698	0.01				ug/L
⌊	Sb	123	1707.653	0.00				ug/L
⌈	Ba	135	760.370	0.00				ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	412660.654	412660.65				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	2947.797	0.01				ug/L
|	Tl	205	7310.076	0.02				ug/L
|	Pb	206	2746.071	0.01				ug/L
|	Pb	207	2495.670	0.01				ug/L
|	Pb	208	11230.594	0.03				ug/L
|	U	238	11745.011	0.03				ug/L
⌊>	Bi	209	352129.398	352129.40				ug/L

Sample ID: Standard 2
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⌈	Na	23	243083.454	1.18		mg/L
|	Mg	24	147555.721	0.85		mg/L
|	K	39	658542.744	1.80		mg/L
|	Ca	43	863.457	0.00		mg/L
|	Fe	54	83412.630	0.15		mg/L
|	Fe	57	15727.263	0.06		mg/L
⌊>	Sc-1	45	171729.717	171729.72		mg/L
	Cl	35	10795.157	-1484.38		mg/L
	Kr	83	67.334	2.67		mg/L
	Br	81	7460.783	-208.82		mg/L
	P	31	12140.035	877.67		mg/L
	S	34	142102.843	-721.32		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 2
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
Report Date/Time: Thursday, March 31, 2011 10:10:53
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Thursday, March 31, 2011 10:15:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17231.519	-0.01				ug/L
|	Be	9	14903.098	0.09	50.0000	2.845	5.691	ug/L
|	Al	27	269466.179	1.60	50.0000	1.673	3.346	ug/L
⌊>	Sc	45	166645.575	166645.57				ug/L
⌈	Ti	49	53799.762	0.16	100.0000	1.399	1.399	ug/L
|	V	51	433362.643	1.31	50.0000	0.800	1.600	ug/L
|	Cr	52	382936.959	1.14	50.0000	0.739	1.478	ug/L
|	Cr	53	42782.262	0.13	50.0000	0.996	1.991	ug/L
|	Mn	55	581968.520	1.77	50.0000	0.991	1.983	ug/L
|	Co	59	450852.486	1.37	50.0000	0.433	0.865	ug/L
|	Ni	60	95422.409	0.29	50.0000	0.405	0.810	ug/L
|	Cu	65	98762.410	0.30	50.0000	0.696	1.392	ug/L
|	Zn	66	58756.031	0.18	50.0000	0.328	0.656	ug/L
|>	Ge	72	328517.360	328517.36				ug/L
|	As	75	54329.024	0.17	50.0000	1.419	2.839	ug/L
|	Se	77	4312.263	0.01	50.0000	1.362	2.724	ug/L
|	Se	82	5151.183	0.02	50.0000	1.554	3.107	ug/L
⌊	Rb	85	2201.264	0.01				mg/L
	Y	89	224480.630	-5029.56				ug/L
	Rh	103	39.667	26.33				ug/L
⌈	Mo	98	304110.393	0.93	100.0000	0.844	0.844	ug/L
|	Ag	107	320401.191	0.99	50.0000	0.322	0.645	ug/L
|	Cd	114	63857.949	0.20	50.0000	0.912	1.824	ug/L
|>	In	115	325179.690	325179.69				ug/L
|	Sn	118	240214.089	0.74	50.0000	0.349	0.698	ug/L
⌊	Sb	123	210230.813	0.65	50.0000	0.638	1.276	ug/L
⌈	Ba	135	87497.748	0.22	50.0000	0.756	1.512	ug/L
|	Ce	140	36.670	0.00				ug/L
⌊>	Tb	159	402060.903	402060.90				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	364407.211	1.07	50.0000	0.777	1.554	ug/L
|	Tl	205	904463.388	2.65	50.0000	0.503	1.005	ug/L
|	Pb	206	292728.476	0.86	50.0000	0.666	1.332	ug/L
|	Pb	207	274021.745	0.80	50.0000	0.114	0.229	ug/L
|	Pb	208	1227590.269	3.59	50.0000	0.432	0.863	ug/L
|	U	238	1461007.396	4.28	50.0000	0.485	0.971	ug/L
⌊>	Bi	209	341358.214	341358.21				ug/L

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Na	23	24232022.003	145.51	5.0000	0.386	7.724	mg/L
Mg	24	16902108.675	101.63	5.0000	0.359	7.185	mg/L
K	39	32384692.397	192.62	5.0000	0.281	5.614	mg/L
Ca	43	79643.839	0.48	5.0000	0.252	5.031	mg/L
Fe	54	2720142.259	16.01	5.0000	0.251	5.018	mg/L
Fe	57	1139633.098	6.81	5.0000	0.211	4.228	mg/L
Sc-1	45	166645.575	166645.57				mg/L
Cl	35	10755.114	-1524.43				mg/L
Kr	83	64.668	0.00				mg/L
Br	81	7151.223	-518.38				mg/L
P	31	9748.083	-1514.28				mg/L
S	34	150165.209	7341.05				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					
Na	23					

Sample ID: Standard 3
Report Date/Time: Thursday, March 31, 2011 10:17:39

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 3
Report Date/Time: Thursday, March 31, 2011 10:17:39

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Thursday, March 31, 2011 10:22:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17081.259	-0.01				ug/L
|	Be	9	28933.814	0.18	101.0610	6.399	6.332	ug/L
|	Al	27	508617.427	3.19	99.9483	5.592	5.595	ug/L
|>	Sc	45	158447.263	158447.26				ug/L
⌈	Ti	49	102108.898	0.33	199.9202	4.901	2.451	ug/L
|	V	51	819430.936	2.62	99.8692	1.772	1.775	ug/L
|	Cr	52	710601.504	2.25	99.3505	1.577	1.587	ug/L
|	Cr	53	84369.510	0.27	101.9935	2.083	2.043	ug/L
|	Mn	55	1084145.995	3.47	99.0029	1.293	1.306	ug/L
|	Co	59	848928.883	2.72	99.5276	1.301	1.307	ug/L
|	Ni	60	177182.735	0.57	98.8391	1.508	1.525	ug/L
|	Cu	65	180439.522	0.58	98.0370	1.369	1.396	ug/L
|	Zn	66	112847.647	0.36	101.1285	0.629	0.622	ug/L
|>	Ge	72	312331.600	312331.60				ug/L
|	As	75	105690.087	0.34	101.0454	0.964	0.954	ug/L
|	Se	77	8638.396	0.03	102.9976	1.164	1.131	ug/L
|	Se	82	10166.772	0.03	101.8850	2.379	2.335	ug/L
⌊	Rb	85	4131.228	0.01				mg/L
	Y	89	216251.650	-13258.54				ug/L
	Rh	103	52.667	39.33				ug/L
⌈	Mo	98	580043.860	1.86	199.2842	1.058	0.531	ug/L
|	Ag	107	611757.823	1.96	99.6923	0.915	0.918	ug/L
|	Cd	114	129085.928	0.41	102.5480	1.921	1.873	ug/L
|>	In	115	312352.065	312352.07				ug/L
|	Sn	118	459302.659	1.47	99.7842	0.336	0.337	ug/L
⌊	Sb	123	413017.283	1.32	101.1130	0.177	0.175	ug/L
⌈	Ba	135	168815.052	0.43	99.2282	1.086	1.095	ug/L
|	Ce	140	80.008	0.00				ug/L
|>	Tb	159	394033.944	394033.94				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	677480.062	2.11	99.4277	1.410	1.418	ug/L
|	Tl	205	1648251.092	5.14	98.4347	1.630	1.656	ug/L
|	Pb	206	549698.396	1.71	99.9593	1.462	1.463	ug/L
|	Pb	207	513121.391	1.60	99.8105	1.053	1.055	ug/L
|	Pb	208	2284977.350	7.12	99.5134	1.189	1.195	ug/L
|	U	238	2712015.795	8.45	99.3523	1.656	1.667	ug/L
|>	Bi	209	320985.459	320985.46				ug/L

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⌈	Na	23	46359297.929	292.87	10.0321	0.570	5.684	mg/L
|	Mg	24	31438542.087	198.74	9.8887	0.518	5.235	mg/L
|	K	39	60833132.467	382.42	9.9667	0.436	4.376	mg/L
|	Ca	43	146780.850	0.93	9.8481	0.358	3.638	mg/L
|	Fe	54	5096174.086	31.88	9.9818	0.555	5.559	mg/L
|	Fe	57	2188263.510	13.80	10.0654	0.617	6.125	mg/L
⌊>	Sc-1	45	158447.263	158447.26				mg/L
	Cl	35	11048.768	-1230.77				mg/L
	Kr	83	64.668	-0.00				mg/L
	Br	81	6610.184	-1059.42				mg/L
	P	31	6869.045	-4393.32				mg/L
	S	34	151144.439	8320.28				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 4
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
Report Date/Time: Thursday, March 31, 2011 10:24:25

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Thursday, March 31, 2011 10:28:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18383.561	-0.00				ug/L
|	Be	9	14497.838	0.09	50.2346	2.659	5.294	ug/L
|	Al	27	279434.496	1.73	54.2161	1.915	3.532	ug/L
⌊>	Sc	45	159546.895	159546.90				ug/L
⌈	Ti	49	58117.542	0.18	111.6889	0.758	0.679	ug/L
|	V	51	411493.908	1.29	49.1098	0.543	1.106	ug/L
|	Cr	52	363625.034	1.12	49.3528	0.443	0.898	ug/L
|	Cr	53	42795.667	0.13	50.6477	0.827	1.632	ug/L
|	Mn	55	566365.209	1.78	50.7755	0.590	1.163	ug/L
|	Co	59	430210.778	1.35	49.5299	0.791	1.597	ug/L
|	Ni	60	91376.510	0.29	50.0474	0.583	1.165	ug/L
|	Cu	65	91859.916	0.29	49.0007	0.728	1.485	ug/L
|	Zn	66	57775.337	0.18	50.2454	0.817	1.626	ug/L
|>	Ge	72	317947.032	317947.03				ug/L
|	As	75	54097.309	0.17	50.8933	1.178	2.315	ug/L
|	Se	77	4406.971	0.01	51.2400	1.491	2.909	ug/L
|	Se	82	5348.935	0.02	52.6333	1.531	2.908	ug/L
⌊	Rb	85	2157.588	0.01				mg/L
	Y	89	222217.466	-7292.72				ug/L
	Rh	103	37.000	23.67				ug/L
⌈	Mo	98	326014.167	1.03	110.0661	1.797	1.633	ug/L
|	Ag	107	316626.340	1.00	50.7051	0.445	0.877	ug/L
|	Cd	114	64946.231	0.20	50.6891	0.375	0.740	ug/L
|>	In	115	317860.861	317860.86				ug/L
|	Sn	118	255992.144	0.80	54.6327	0.232	0.424	ug/L
⌊	Sb	123	202726.498	0.64	48.7736	0.298	0.611	ug/L
⌈	Ba	135	85058.400	0.21	49.3916	0.306	0.619	ug/L
|	Ce	140	73.341	0.00				ug/L
⌊>	Tb	159	398741.395	398741.39				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	348479.548	1.05	49.4483	0.836	1.691	ug/L
|	Tl	205	864318.288	2.60	49.9041	1.516	3.037	ug/L
|	Pb	206	291571.812	0.88	51.2333	0.980	1.914	ug/L
|	Pb	207	257346.033	0.77	48.3772	0.440	0.910	ug/L
|	Pb	208	1185826.597	3.57	49.9092	0.154	0.309	ug/L
|	U	238	1334174.392	4.02	47.2590	0.349	0.738	ug/L
⌊>	Bi	209	331959.529	331959.53				ug/L

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Na	23	23381954.758	146.40	5.0146	0.142	2.824	mg/L	
Mg	24	16017270.042	100.48	4.9984	0.236	4.719	mg/L	
K	39	31436931.523	195.10	5.0814	0.118	2.319	mg/L	
Ca	43	75766.906	0.47	5.0380	0.099	1.961	mg/L	
Fe	54	2627090.223	16.14	5.0491	0.135	2.680	mg/L	
Fe	57	1113126.172	6.95	5.0655	0.190	3.752	mg/L	
Sc-1	45	159546.895	159546.90				mg/L	
Cl	35	11138.871	-1140.67				mg/L	
Kr	83	67.334	2.67				mg/L	
Br	81	6684.904	-984.70				mg/L	
P	31	7604.251	-3658.11				mg/L	
S	34	149846.035	7021.87				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9	100.469				
Al	27	108.432				
Sc	45					
Ti	49	111.689				
V	51	98.220				
Cr	52	98.706				
Cr	53					
Mn	55	101.551				
Co	59	99.060				
Ni	60	100.095				
Cu	65	98.001				
Zn	66	100.491				
Ge	72		96.704			
As	75	101.787				
Se	77					
Se	82	105.267				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.410				
Cd	114	101.378				
In	115		97.111			
Sn	118					
Sb	123	97.547				
Ba	135	98.783				
Ce	140					
Tb	159		97.303			
Ho	165					
Tl	203	98.897				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.818				
U	238	94.518				
Bi	209		94.192			
Na	23	100.292				

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|	Mg	24	99.968
|	K	39	101.627
|	Ca	43	100.761
|	Fe	54	100.981
|	Fe	57	101.309
|>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 1
Report Date/Time: Thursday, March 31, 2011 10:31:09

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Thursday, March 31, 2011 10:36:03
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20253.893	0.00				ug/L
|	Be	9	8.667	-0.00	-0.0027	0.003	124.606	ug/L
|	Al	27	2150.238	-0.01	-0.1818	0.096	52.741	ug/L
⌊>	Sc	45	169966.280	169966.28				ug/L
⌈	Ti	49	33.337	0.00	-0.0952	0.022	22.914	ug/L
|	V	51	2596.886	0.00	0.0030	0.013	448.858	ug/L
|	Cr	52	8923.403	0.00	0.0221	0.008	36.877	ug/L
|	Cr	53	260.030	-0.00	-0.0332	0.070	211.095	ug/L
|	Mn	55	432.014	0.00	-0.0294	0.003	10.184	ug/L
|	Co	59	168.336	0.00	-0.0131	0.003	25.512	ug/L
|	Ni	60	45.001	-0.00	-0.0232	0.006	25.089	ug/L
|	Cu	65	85.001	0.00	-0.0091	0.008	87.157	ug/L
|	Zn	66	230.005	0.00	-1.0456	0.015	1.396	ug/L
|>	Ge	72	328521.503	328521.50				ug/L
|	As	75	-151.948	0.00	0.0325	0.037	113.803	ug/L
|	Se	77	74.000	0.00	0.0945	0.062	65.558	ug/L
|	Se	82	2.783	0.00	-0.0202	0.102	504.246	ug/L
⌊	Rb	85	23.334	0.00				mg/L
	Y	89	232897.953	3387.76				ug/L
	Rh	103	18.000	4.67				ug/L
⌈	Mo	98	250.946	0.00	0.0704	0.015	21.738	ug/L
|	Ag	107	70.001	0.00	0.0132	0.001	5.629	ug/L
|	Cd	114	0.304	0.00	-0.0195	0.003	16.383	ug/L
|>	In	115	332036.386	332036.39				ug/L
|	Sn	118	463.744	0.00	0.0542	0.005	9.840	ug/L
⌊	Sb	123	579.517	0.00	0.1397	0.019	13.440	ug/L
⌈	Ba	135	29.334	0.00	-0.0104	0.002	16.546	ug/L
|	Ce	140	26.669	-0.00				ug/L
⌊>	Tb	159	409917.577	409917.58				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	59.667	0.00	0.0138	0.001	7.692	ug/L
|	Tl	205	90.009	0.00	0.0071	0.000	0.619	ug/L
|	Pb	206	314.675	0.00	-0.0023	0.003	143.235	ug/L
|	Pb	207	287.674	0.00	0.0091	0.003	35.927	ug/L
|	Pb	208	1278.711	0.00	0.0056	0.002	32.808	ug/L
|	U	238	179.003	0.00	0.0139	0.001	7.695	ug/L
⌊>	Bi	209	346475.765	346475.76				ug/L

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Na	23	38447.623	-0.01	-0.0008	0.000	8.614	mg/L
Mg	24	1513.607	0.00	-0.0024	0.000	6.113	mg/L
K	39	356909.365	0.07	-0.0053	0.002	29.107	mg/L
Ca	43	250.028	0.00	0.0020	0.001	50.603	mg/L
Fe	54	58851.533	0.01	-0.0037	0.005	126.411	mg/L
Fe	57	6209.221	0.00	-0.0002	0.001	550.032	mg/L
> Sc-1	45	169966.280	169966.28				mg/L
Cl	35	10342.012	-1937.53				mg/L
Kr	83	63.334	-1.33				mg/L
Br	81	7587.546	-82.06				mg/L
P	31	11734.269	471.91				mg/L
S	34	146966.293	4142.13				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		99.920			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		101.442			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		100.031			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.310			
Na	23					

Sample ID: QC Std 2
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
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Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Thursday, March 31, 2011 10:43:10
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16997.789	-0.01				ug/L
|	Be	9	10.000	0.00	0.0039	0.012	297.620	ug/L
|	Al	27	3067.139	-0.00	0.0267	0.030	111.949	ug/L
⌊>	Sc	45	158191.894	158191.89				ug/L
⌈	Ti	49	56.673	0.00	-0.0494	0.085	173.118	ug/L
|	V	51	5949.105	0.01	0.4163	0.047	11.355	ug/L
|	Cr	52	14303.702	0.02	0.8108	0.078	9.587	ug/L
|	Cr	53	833.452	0.00	0.6593	0.044	6.737	ug/L
|	Mn	55	6155.623	0.02	0.4859	0.024	4.962	ug/L
|	Co	59	3669.710	0.01	0.3911	0.019	4.840	ug/L
|	Ni	60	3077.171	0.01	1.6404	0.039	2.402	ug/L
|	Cu	65	1627.482	0.00	0.8163	0.028	3.456	ug/L
|	Zn	66	7530.243	0.02	5.4698	0.212	3.881	ug/L
|>	Ge	72	317937.876	317937.88				ug/L
|	As	75	299.555	0.00	0.4509	0.033	7.342	ug/L
|	Se	77	102.667	0.00	0.4619	0.083	17.890	ug/L
|	Se	82	44.821	0.00	0.3933	0.149	37.761	ug/L
⌊	Rb	85	27.334	0.00				mg/L
	Y	89	224446.751	-5063.44				ug/L
	Rh	103	13.667	0.33				ug/L
⌈	Mo	98	119.833	-0.00	0.0290	0.003	8.871	ug/L
|	Ag	107	2577.358	0.01	0.4084	0.015	3.640	ug/L
|	Cd	114	310.862	0.00	0.2190	0.023	10.453	ug/L
|>	In	115	323159.624	323159.62				ug/L
|	Sn	118	242.003	0.00	0.0102	0.003	28.305	ug/L
⌊	Sb	123	1902.482	0.01	0.4563	0.007	1.544	ug/L
⌈	Ba	135	1295.430	0.00	0.7354	0.006	0.796	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	393689.104	393689.10				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	596.357	0.00	0.0895	0.003	3.318	ug/L
|	Tl	205	1533.605	0.00	0.0899	0.006	7.053	ug/L
|	Pb	206	2626.705	0.01	0.4025	0.006	1.562	ug/L
|	Pb	207	2394.644	0.01	0.4038	0.017	4.269	ug/L
|	Pb	208	10794.072	0.03	0.4046	0.006	1.505	ug/L
|	U	238	11130.305	0.03	0.3985	0.012	2.910	ug/L
⌊>	Bi	209	334970.315	334970.32				ug/L

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⌈	Na	23	11027.180	-0.17	-0.0062	0.000	1.001	mg/L
|	Mg	24	413.383	-0.00	-0.0027	0.000	0.596	mg/L
|	K	39	370668.280	0.31	0.0010	0.001	129.744	mg/L
|	Ca	43	220.024	0.00	0.0012	0.002	196.593	mg/L
|	Fe	54	35002.420	-0.11	-0.0429	0.004	9.135	mg/L
|	Fe	57	5578.782	0.00	-0.0011	0.002	166.972	mg/L
⌊>	Sc-1	45	158191.894	158191.89				mg/L
	Cl	35	10726.417	-1553.12				mg/L
	Kr	83	59.001	-5.67				mg/L
	Br	81	7217.273	-452.33				mg/L
	P	31	7121.226	-4141.14				mg/L
	S	34	144454.088	1629.92				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	104.071				
|	Cr	52	101.347				
|	Cr	53					
|	Mn	55	97.175				
|	Co	59	97.766				
|	Ni	60	102.526				
|	Cu	65	102.038				
|	Zn	66	87.517				
|>	Ge	72		96.701			
|	As	75	112.723				
|	Se	77					
|	Se	82	98.337				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	102.096				
|	Cd	114	109.519				
|>	In	115		98.730			
|	Sn	118					
⌊	Sb	123	114.065				
⌈	Ba	135	98.047				
|	Ce	140					
⌊>	Tb	159		96.070			
⌈	Ho	165					
|	Tl	203	111.850				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	101.156				
|	U	238	99.626				
⌊>	Bi	209		95.046			
⌈	Na	23					

Sample ID: QC Std 3
Report Date/Time: Thursday, March 31, 2011 10:45:23

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
Report Date/Time: Thursday, March 31, 2011 10:45:23

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Thursday, March 31, 2011 10:50:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17782.464	0.01				ug/L
|	Be	9	10.000	0.00	0.0074	0.020	271.595	ug/L
|	Al	27	22269765.129	154.98	4845.4634	34.169	0.705	ug/L
⌊>	Sc	45	143674.986	143674.99				ug/L
⌈	Ti	49	49547.423	0.16	98.6392	2.131	2.160	ug/L
|	V	51	2090.705	-0.00	-0.0388	0.018	45.370	ug/L
|	Cr	52	7847.157	-0.00	-0.0483	0.015	30.440	ug/L
|	Cr	53	1003.484	0.00	0.9047	0.133	14.658	ug/L
|	Mn	55	3055.832	0.01	0.2172	0.015	6.977	ug/L
|	Co	59	1714.831	0.01	0.1728	0.005	2.965	ug/L
|	Ni	60	758.036	0.00	0.3834	0.015	3.993	ug/L
|	Cu	65	689.697	0.00	0.3286	0.026	7.865	ug/L
|	Zn	66	659.028	0.00	-0.6353	0.024	3.758	ug/L
|>	Ge	72	306888.584	306888.58				ug/L
|	As	75	-124.985	0.00	0.0491	0.029	59.319	ug/L
|	Se	77	148.668	0.00	1.0668	0.059	5.543	ug/L
|	Se	82	15.786	0.00	0.1138	0.091	79.603	ug/L
⌊	Rb	85	2001.887	0.01				mg/L
	Y	89	208866.323	-20643.87				ug/L
	Rh	103	20.000	6.67				ug/L
⌈	Mo	98	295078.846	0.99	105.8101	1.375	1.299	ug/L
|	Ag	107	105.002	0.00	0.0203	0.001	6.746	ug/L
|	Cd	114	59.575	0.00	0.0296	0.013	42.751	ug/L
|>	In	115	299265.173	299265.17				ug/L
|	Sn	118	186.535	0.00	0.0016	0.001	75.478	ug/L
⌊	Sb	123	229.455	0.00	0.0647	0.003	4.545	ug/L
⌈	Ba	135	63.001	0.00	0.0117	0.002	14.576	ug/L
|	Ce	140	220.024	0.00				ug/L
⌊>	Tb	159	377374.246	377374.25				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	27.334	0.00	0.0097	0.001	12.551	ug/L
|	Tl	205	50.005	0.00	0.0051	0.001	12.032	ug/L
|	Pb	206	354.010	0.00	0.0091	0.002	25.542	ug/L
|	Pb	207	323.342	0.00	0.0203	0.004	20.922	ug/L
|	Pb	208	1441.055	0.00	0.0169	0.002	11.017	ug/L
|	U	238	38.334	0.00	0.0092	0.000	0.309	ug/L
⌊>	Bi	209	320412.242	320412.24				ug/L

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Na	23	54686383.078	380.47	13.0325	0.277	2.122	mg/L
Mg	24	14885860.133	103.61	5.1541	0.050	0.975	mg/L
K	39	30169086.664	207.98	5.4171	0.092	1.698	mg/L
Ca	43	211633.924	1.47	15.6549	0.447	2.857	mg/L
Fe	54	6332652.244	43.76	13.7015	0.439	3.202	mg/L
Fe	57	2766947.453	19.23	14.0209	0.155	1.108	mg/L
Sc-1	45	143674.986	143674.99				mg/L
Cl	35	1576509.001	1564229.46				mg/L
Kr	83	63.001	-1.67				mg/L
Br	81	6921.062	-748.55				mg/L
P	31	1422684.856	1411422.49				mg/L
S	34	275896.903	133072.74				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		93.341			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		91.430			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		92.089			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		90.915			
Na	23					

Sample ID: QC Std 4
Report Date/Time: Thursday, March 31, 2011 10:52:31

Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
Report Date/Time: Thursday, March 31, 2011 10:52:31
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Thursday, March 31, 2011 10:57:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17281.611	0.01				ug/L
|	Be	9	28447.073	0.20	112.8679	4.833	4.282	ug/L
|	Al	27	20358880.742	146.25	4572.6671	235.935	5.160	ug/L
⌊>	Sc	45	139416.606	139416.61				ug/L
⌈	Ti	49	46747.042	0.16	99.4736	3.978	3.999	ug/L
|	V	51	702570.942	2.44	93.0983	1.845	1.982	ug/L
|	Cr	52	633898.323	2.18	96.3404	1.504	1.561	ug/L
|	Cr	53	114196.491	0.40	150.3204	5.743	3.821	ug/L
|	Mn	55	1039999.666	3.62	103.3044	2.885	2.793	ug/L
|	Co	59	793567.682	2.76	101.2125	4.335	4.283	ug/L
|	Ni	60	170052.113	0.59	103.1645	2.154	2.088	ug/L
|	Cu	65	175778.921	0.61	103.8791	2.986	2.874	ug/L
|	Zn	66	105706.153	0.37	103.0556	2.578	2.501	ug/L
|>	Ge	72	287252.279	287252.28				ug/L
|	As	75	96773.560	0.34	100.6183	1.872	1.860	ug/L
|	Se	77	10438.112	0.04	135.6057	4.136	3.050	ug/L
|	Se	82	9431.282	0.03	102.7862	2.718	2.644	ug/L
⌊	Rb	85	1802.180	0.01				mg/L
	Y	89	187860.151	-41650.04				ug/L
	Rh	103	61.001	47.67				ug/L
⌈	Mo	98	266195.046	0.97	103.7500	1.882	1.814	ug/L
|	Ag	107	543967.722	1.98	100.5611	1.763	1.753	ug/L
|	Cd	114	114054.757	0.41	102.8018	3.359	3.267	ug/L
|>	In	115	275362.572	275362.57				ug/L
|	Sn	118	2700.498	0.01	0.6251	0.003	0.491	ug/L
⌊	Sb	123	374652.757	1.36	104.0414	0.200	0.192	ug/L
⌈	Ba	135	149577.796	0.42	97.0374	2.083	2.147	ug/L
|	Ce	140	206.689	0.00				ug/L
⌊>	Tb	159	357120.136	357120.14				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	681670.252	2.09	98.4119	1.926	1.957	ug/L
|	Tl	205	1662323.826	5.09	97.6543	2.840	2.908	ug/L
|	Pb	206	580022.715	1.78	103.7668	2.727	2.628	ug/L
|	Pb	207	513771.857	1.57	98.3351	3.474	3.533	ug/L
|	Pb	208	2362838.510	7.24	101.2438	2.928	2.892	ug/L
|	U	238	2836740.510	8.69	102.2322	2.555	2.499	ug/L
⌊>	Bi	209	326372.998	326373.00				ug/L

Sample ID: QC Std 5
Report Date/Time: Thursday, March 31, 2011 10:59:40
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⌈	Na	23	49301347.480	353.80	12.1191	0.436	3.599	mg/L
|	Mg	24	13472390.297	96.78	4.8141	0.258	5.368	mg/L
|	K	39	27965972.013	198.89	5.1801	0.267	5.147	mg/L
|	Ca	43	197191.477	1.42	15.0483	0.661	4.393	mg/L
|	Fe	54	5968436.878	42.54	13.3210	0.707	5.309	mg/L
|	Fe	57	2604754.756	18.69	13.6254	0.798	5.859	mg/L
⌊>	Sc-1	45	139416.606	139416.61				mg/L
	Cl	35	59306024.619	59293745.08				mg/L
	Kr	83	76.334	11.67				mg/L
	Br	81	9840.174	2170.57				mg/L
	P	31	1281349.010	1270086.65				mg/L
	S	34	240819.454	97995.29				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	93.098				
|	Cr	52	96.340				
|	Cr	53					
|	Mn	55	103.304				
|	Co	59	101.213				
|	Ni	60	103.165				
|	Cu	65	103.879				
|	Zn	66	103.056				
|>	Ge	72		87.368			
|	As	75	100.618				
|	Se	77					
|	Se	82	102.786				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	100.561				
|	Cd	114	102.802				
|>	In	115		84.127			
|	Sn	118					
⌊	Sb	123	104.041				
⌈	Ba	135	97.037				
|	Ce	140					
⌊>	Tb	159		87.147			
⌈	Ho	165					
|	Tl	203	98.412				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	101.244				
|	U	238	102.232				
⌊>	Bi	209		92.606			
⌈	Na	23					

Sample ID: QC Std 5
Report Date/Time: Thursday, March 31, 2011 10:59:40

Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
Report Date/Time: Thursday, March 31, 2011 10:59:40

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 11:04:34
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17064.642	-0.01				ug/L
|	Be	9	14945.830	0.10	52.6081	3.216	6.113	ug/L
|	Al	27	263527.209	1.66	51.9130	2.280	4.392	ug/L
⌊>	Sc	45	157160.205	157160.20				ug/L
⌈	Ti	49	52398.824	0.16	99.7032	0.963	0.966	ug/L
|	V	51	413865.366	1.28	48.9096	0.129	0.263	ug/L
|	Cr	52	365478.642	1.11	49.1128	0.250	0.510	ug/L
|	Cr	53	47778.675	0.15	56.0263	1.135	2.025	ug/L
|	Mn	55	568055.742	1.77	50.4271	0.046	0.091	ug/L
|	Co	59	441410.209	1.37	50.3212	0.433	0.861	ug/L
|	Ni	60	92798.921	0.29	50.3303	0.905	1.798	ug/L
|	Cu	65	95955.194	0.30	50.6850	0.807	1.592	ug/L
|	Zn	66	60293.152	0.19	51.9618	0.299	0.576	ug/L
|>	Ge	72	321079.343	321079.34				ug/L
|	As	75	55588.239	0.17	51.7766	0.841	1.624	ug/L
|	Se	77	4597.057	0.01	52.9551	1.527	2.884	ug/L
|	Se	82	5542.721	0.02	54.0004	1.096	2.030	ug/L
⌊	Rb	85	2195.263	0.01				mg/L
	Y	89	220050.116	-9460.07				ug/L
	Rh	103	36.334	23.00				ug/L
⌈	Mo	98	305692.393	0.96	103.5025	1.435	1.386	ug/L
|	Ag	107	315145.722	0.99	50.6153	0.735	1.452	ug/L
|	Cd	114	66297.662	0.21	51.8977	0.940	1.811	ug/L
|>	In	115	316954.463	316954.46				ug/L
|	Sn	118	233872.783	0.74	50.0505	0.216	0.432	ug/L
⌊	Sb	123	212386.101	0.67	51.2446	0.221	0.431	ug/L
⌈	Ba	135	85737.837	0.22	50.3746	0.597	1.186	ug/L
|	Ce	140	90.009	0.00				ug/L
⌊>	Tb	159	394107.860	394107.86				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	353775.962	1.06	50.0185	0.529	1.057	ug/L
|	Tl	205	876127.625	2.63	50.4043	0.865	1.716	ug/L
|	Pb	206	285872.389	0.86	50.0536	0.699	1.396	ug/L
|	Pb	207	271104.547	0.81	50.7811	0.368	0.724	ug/L
|	Pb	208	1194931.498	3.58	50.1107	0.508	1.013	ug/L
|	U	238	1453801.179	4.36	51.3050	0.235	0.458	ug/L
⌊>	Bi	209	333190.540	333190.54				ug/L

Sample ID: QC Std 6
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Na	23	23203261.944	147.66	5.0577	0.302	5.969	mg/L
Mg	24	15662207.405	99.82	4.9655	0.287	5.788	mg/L
K	39	31710173.950	200.02	5.2096	0.253	4.856	mg/L
Ca	43	76613.378	0.49	5.1745	0.148	2.863	mg/L
Fe	54	2666935.716	16.66	5.2134	0.317	6.077	mg/L
Fe	57	1126153.957	7.14	5.2070	0.264	5.062	mg/L
> Sc-1	45	157160.205	157160.20				mg/L
Cl	35	63758.715	51479.18				mg/L
Kr	83	66.001	1.33				mg/L
Br	81	7041.146	-628.46				mg/L
P	31	7626.927	-3635.44				mg/L
S	34	151962.221	9138.06				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	97.819				
Cr	52	98.226				
Cr	53					
Mn	55	100.854				
Co	59	100.642				
Ni	60	100.661				
Cu	65	101.370				
Zn	66	103.924				
> Ge	72		97.657			
As	75	103.553				
Se	77					
Se	82	108.001				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.231				
Cd	114	103.795				
> In	115		96.834			
Sn	118					
Sb	123	102.489				
Ba	135	100.749				
Ce	140					
> Tb	159		96.173			
Ho	165					
Tl	203	100.037				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.221				
U	238	102.610				
> Bi	209		94.541			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 11:06:47
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 11:06:47
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 11:11:40
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19585.870	0.01				ug/L
|	Be	9	13.333	0.00	0.0154	0.010	62.639	ug/L
|	Al	27	2450.301	-0.00	-0.0957	0.044	46.268	ug/L
⌊>	Sc	45	158699.832	158699.83				ug/L
⌈	Ti	49	66.674	0.00	-0.0302	0.062	205.548	ug/L
|	V	51	2478.250	0.00	-0.0049	0.035	712.718	ug/L
|	Cr	52	8990.463	0.00	0.0566	0.032	56.856	ug/L
|	Cr	53	2877.373	0.01	3.0588	0.504	16.467	ug/L
|	Mn	55	419.346	0.00	-0.0298	0.002	5.598	ug/L
|	Co	59	161.336	0.00	-0.0135	0.002	16.555	ug/L
|	Ni	60	51.334	-0.00	-0.0193	0.006	28.710	ug/L
|	Cu	65	87.668	0.00	-0.0068	0.002	35.205	ug/L
|	Zn	66	213.004	0.00	-1.0565	0.008	0.746	ug/L
|>	Ge	72	321837.663	321837.66				ug/L
|	As	75	-150.741	0.00	0.0308	0.014	43.927	ug/L
|	Se	77	94.000	0.00	0.3477	0.266	76.439	ug/L
|	Se	82	-0.838	0.00	-0.0546	0.097	178.549	ug/L
⌊	Rb	85	20.334	-0.00				mg/L
	Y	89	231014.082	1503.89				ug/L
	Rh	103	9.667	-3.67				ug/L
⌈	Mo	98	169.249	0.00	0.0452	0.003	6.148	ug/L
|	Ag	107	69.001	0.00	0.0133	0.003	22.981	ug/L
|	Cd	114	4.794	0.00	-0.0161	0.001	9.280	ug/L
|>	In	115	324336.327	324336.33				ug/L
|	Sn	118	353.073	0.00	0.0332	0.008	22.875	ug/L
⌊	Sb	123	224.995	0.00	0.0591	0.002	3.801	ug/L
⌈	Ba	135	20.667	0.00	-0.0149	0.002	11.137	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	397900.630	397900.63				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	189.670	0.00	0.0320	0.008	24.944	ug/L
|	Tl	205	433.386	0.00	0.0267	0.002	8.255	ug/L
|	Pb	206	304.008	0.00	-0.0029	0.006	198.038	ug/L
|	Pb	207	272.340	0.00	0.0075	0.004	54.198	ug/L
|	Pb	208	1238.709	0.00	0.0052	0.001	28.467	ug/L
|	U	238	159.003	0.00	0.0134	0.002	12.314	ug/L
⌊>	Bi	209	338345.342	338345.34				ug/L

Sample ID: QC Std 7
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⌈	Na	23	35764.103	-0.01	-0.0008	0.000	40.163	mg/L
|	Mg	24	1210.200	0.00	-0.0024	0.000	5.679	mg/L
|	K	39	358260.224	0.22	-0.0012	0.002	167.370	mg/L
|	Ca	43	280.032	0.00	0.0051	0.006	112.751	mg/L
|	Fe	54	55020.811	0.01	-0.0036	0.001	29.525	mg/L
|	Fe	57	6159.180	0.01	0.0015	0.000	29.898	mg/L
⌊>	Sc-1	45	158699.832	158699.83				mg/L
	Cl	35	36093.043	23813.50				mg/L
	Kr	83	58.001	-6.67				mg/L
	Br	81	7692.291	22.68				mg/L
	P	31	10065.083	-1197.28				mg/L
	S	34	145953.429	3129.27				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.888			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.089			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.098			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.003			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 11:13:51

Approved: April 01, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 11:13:51

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: PBW 71 WG360427-02

Sample Date/Time: Thursday, March 31, 2011 11:18:44
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18667.539	-0.01				ug/L
|	Be	9	7.333	-0.00	-0.0074	0.013	173.831	ug/L
|	Al	27	61622.644	0.34	10.6615	0.166	1.556	ug/L
⌊>	Sc	45	171423.842	171423.84				ug/L
⌈	Ti	49	250.028	0.00	0.3043	0.060	19.616	ug/L
|	V	51	2616.707	0.00	0.0024	0.011	462.513	ug/L
|	Cr	52	10485.933	0.01	0.2188	0.002	0.730	ug/L
|	Cr	53	2110.435	0.01	2.0770	0.222	10.669	ug/L
|	Mn	55	3406.614	0.01	0.2262	0.006	2.578	ug/L
|	Co	59	218.338	0.00	-0.0078	0.001	18.263	ug/L
|	Ni	60	139.669	0.00	0.0263	0.007	24.959	ug/L
|	Cu	65	199.337	0.00	0.0490	0.005	9.747	ug/L
|	Zn	66	5123.030	0.01	3.1330	0.125	3.982	ug/L
|>	Ge	72	331689.387	331689.39				ug/L
|	As	75	-129.561	0.00	0.0541	0.012	21.550	ug/L
|	Se	77	90.000	0.00	0.2674	0.236	88.424	ug/L
|	Se	82	6.107	0.00	0.0114	0.184	1618.137	ug/L
⌊	Rb	85	198.671	0.00				mg/L
	Y	89	237255.233	7745.04				ug/L
	Rh	103	12.667	-0.67				ug/L
⌈	Mo	98	101.979	-0.00	0.0223	0.005	23.988	ug/L
|	Ag	107	234.672	0.00	0.0386	0.002	4.385	ug/L
|	Cd	114	-1.141	-0.00	-0.0206	0.005	24.160	ug/L
|>	In	115	330619.195	330619.19				ug/L
|	Sn	118	937.911	0.00	0.1519	0.009	5.934	ug/L
⌊	Sb	123	165.161	0.00	0.0443	0.001	3.011	ug/L
⌈	Ba	135	248.006	0.00	0.1138	0.002	2.071	ug/L
|	Ce	140	366.710	0.00				ug/L
⌊>	Tb	159	408400.609	408400.61				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	118.002	0.00	0.0217	0.003	12.175	ug/L
|	Tl	205	273.364	0.00	0.0173	0.002	12.073	ug/L
|	Pb	206	400.012	0.00	0.0124	0.002	18.027	ug/L
|	Pb	207	339.676	0.00	0.0187	0.003	17.632	ug/L
|	Pb	208	1588.399	0.00	0.0184	0.001	7.931	ug/L
|	U	238	76.001	0.00	0.0104	0.001	4.945	ug/L
⌊>	Bi	209	344927.957	344927.96				ug/L

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Na	23	136789.988	0.56	0.0188	0.001	4.389	mg/L
Mg	24	74907.044	0.43	0.0189	0.000	1.842	mg/L
K	39	460221.828	0.65	0.0099	0.002	17.079	mg/L
Ca	43	1196.859	0.01	0.0606	0.008	12.907	mg/L
Fe	54	94228.230	0.21	0.0600	0.002	3.220	mg/L
Fe	57	8340.983	0.02	0.0086	0.001	13.613	mg/L
Sc-1	45	171423.842	171423.84				mg/L
Cl	35	145415.767	133136.23				mg/L
Kr	83	64.334	-0.33				mg/L
Br	81	11624.754	3955.15				mg/L
P	31	18209.952	6947.59				mg/L
S	34	141023.710	-1800.45				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		100.884			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		101.009			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		99.660			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		97.871			
Na	23					

Sample ID: PBW 71 WG360427-02
Report Date/Time: Thursday, March 31, 2011 11:20:56

Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 71 WG360427-02
Report Date/Time: Thursday, March 31, 2011 11:20:56
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: LCSW 71 WG360427-03

Sample Date/Time: Thursday, March 31, 2011 11:25:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20020.129	0.00				ug/L
|	Be	9	6988.442	0.04	22.5552	1.003	4.445	ug/L
|	Al	27	183298.507	1.05	32.9501	1.717	5.212	ug/L
⌊>	Sc	45	171102.343	171102.34				ug/L
⌈	Ti	49	160.017	0.00	0.1398	0.050	36.010	ug/L
|	V	51	220819.490	0.66	25.2660	0.363	1.438	ug/L
|	Cr	52	202857.705	0.59	26.0009	0.223	0.859	ug/L
|	Cr	53	24194.993	0.07	27.4609	0.803	2.924	ug/L
|	Mn	55	304180.761	0.92	26.2603	0.258	0.981	ug/L
|	Co	59	235572.894	0.71	26.1340	0.334	1.276	ug/L
|	Ni	60	50191.814	0.15	26.4836	0.318	1.201	ug/L
|	Cu	65	50911.115	0.15	26.1577	0.040	0.151	ug/L
|	Zn	66	29286.114	0.09	23.9191	0.115	0.481	ug/L
| >	Ge	72	329768.736	329768.74				ug/L
|	As	75	25328.298	0.08	23.0671	0.316	1.371	ug/L
|	Se	77	1864.841	0.01	20.4575	0.589	2.879	ug/L
|	Se	82	2267.048	0.01	21.4790	0.249	1.160	ug/L
⌊	Rb	85	157.336	0.00				mg/L
	Y	89	236197.729	6687.54				ug/L
	Rh	103	27.667	14.33				ug/L
⌈	Mo	98	77.243	-0.00	0.0144	0.003	21.509	ug/L
|	Ag	107	149332.629	0.45	23.1303	0.173	0.748	ug/L
|	Cd	114	31319.323	0.10	23.6288	0.329	1.392	ug/L
| >	In	115	328660.454	328660.45				ug/L
|	Sn	118	235.603	0.00	0.0080	0.003	35.678	ug/L
⌊	Sb	123	103104.625	0.31	23.9962	0.308	1.285	ug/L
⌈	Ba	135	44347.901	0.11	25.0204	0.169	0.677	ug/L
|	Ce	140	330.040	0.00				ug/L
⌊>	Tb	159	410169.658	410169.66				ug/L
⌈	Ho	165	0.000	-0.00				ug/L
|	Tl	203	183062.921	0.53	24.8025	0.184	0.741	ug/L
|	Tl	205	447009.550	1.29	24.6430	0.286	1.161	ug/L
|	Pb	206	153902.481	0.44	25.7907	0.217	0.843	ug/L
|	Pb	207	136066.357	0.39	24.3956	0.228	0.934	ug/L
|	Pb	208	629017.538	1.81	25.2503	0.084	0.332	ug/L
|	U	238	726345.632	2.09	24.5658	0.108	0.438	ug/L
⌊>	Bi	209	347732.706	347732.71				ug/L

Sample ID: LCSW 71 WG360427-03
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⌈	Na	23	94060.268	0.31	0.0103	0.001	5.867	mg/L
|	Mg	24	81801.397	0.47	0.0210	0.000	2.302	mg/L
|	K	39	426000.327	0.46	0.0049	0.002	43.009	mg/L
|	Ca	43	1170.186	0.01	0.0593	0.012	20.038	mg/L
|	Fe	54	90450.691	0.19	0.0535	0.007	12.194	mg/L
|	Fe	57	7960.633	0.01	0.0071	0.001	14.922	mg/L
⌊>	Sc-1	45	171102.343	171102.34				mg/L
	Cl	35	81828.099	69548.56				mg/L
	Kr	83	66.668	2.00				mg/L
	Br	81	11402.499	3732.89				mg/L
	P	31	17676.308	6413.95				mg/L
	S	34	148143.922	5319.76				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.300			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.410			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.092			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.667			
⌈	Na	23					

Sample ID: LCSW 71 WG360427-03
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103098801 WG360427-01

Sample Date/Time: Thursday, March 31, 2011 11:32:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20070.142	0.02				ug/L
|	Be	9	15.333	0.00	0.0259	0.008	30.020	ug/L
|	Al	27	167597.523	1.10	34.5849	2.524	7.298	ug/L
⌊>	Sc	45	149035.968	149035.97				ug/L
⌈	Ti	49	696.761	0.00	1.1971	0.213	17.804	ug/L
|	V	51	12043.415	0.03	1.1600	0.070	6.018	ug/L
|	Cr	52	18484.589	0.03	1.4119	0.042	2.960	ug/L
|	Cr	53	2037.078	0.01	2.1141	0.163	7.688	ug/L
|	Mn	55	114528.266	0.36	10.3012	0.287	2.790	ug/L
|	Co	59	1841.188	0.01	0.1820	0.010	5.333	ug/L
|	Ni	60	1992.885	0.01	1.0549	0.050	4.706	ug/L
|	Cu	65	1027.396	0.00	0.5003	0.021	4.112	ug/L
|	Zn	66	2818.425	0.01	1.2888	0.049	3.818	ug/L
|>	Ge	72	315380.103	315380.10				ug/L
|	As	75	2749.838	0.01	2.7685	0.080	2.899	ug/L
|	Se	77	111.334	0.00	0.5732	0.142	24.779	ug/L
|	Se	82	50.126	0.00	0.4478	0.232	51.810	ug/L
⌊	Rb	85	6166.630	0.02				mg/L
	Y	89	215490.048	-14020.14				ug/L
	Rh	103	55.001	41.67				ug/L
⌈	Mo	98	11623.513	0.04	4.0041	0.058	1.445	ug/L
|	Ag	107	125.669	0.00	0.0231	0.006	24.716	ug/L
|	Cd	114	9.394	0.00	-0.0123	0.004	31.139	ug/L
|>	In	115	310756.961	310756.96				ug/L
|	Sn	118	188.668	0.00	0.0005	0.001	270.172	ug/L
⌊	Sb	123	963.170	0.00	0.2431	0.002	0.862	ug/L
⌈	Ba	135	30641.183	0.08	18.1335	0.538	2.969	ug/L
|	Ce	140	1030.156	0.00				ug/L
⌊>	Tb	159	391054.823	391054.82				ug/L
⌈	Ho	165	50.005	0.00				ug/L
|	Tl	203	928.386	0.00	0.1381	0.004	3.147	ug/L
|	Tl	205	2310.498	0.01	0.1362	0.005	3.637	ug/L
|	Pb	206	526.019	0.00	0.0376	0.000	0.806	ug/L
|	Pb	207	456.348	0.00	0.0435	0.003	7.101	ug/L
|	Pb	208	2083.772	0.00	0.0422	0.002	3.871	ug/L
|	U	238	7097.589	0.02	0.2606	0.008	3.176	ug/L
⌊>	Bi	209	330229.698	330229.70				ug/L

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Na	23	16654170.298	111.55	3.8206	0.115	3.012	mg/L
Mg	24	5608439.778	37.63	1.8705	0.054	2.903	mg/L
K	39	4614454.669	28.94	0.7476	0.026	3.521	mg/L
Ca	43	155922.191	1.05	11.1110	0.134	1.210	mg/L
Fe	54	98661.412	0.33	0.0953	0.012	12.806	mg/L
Fe	57	22233.600	0.12	0.0820	0.004	4.625	mg/L
> Sc-1	45	149035.968	149035.97				mg/L
Cl	35	111603.318	99323.78				mg/L
Kr	83	62.334	-2.33				mg/L
Br	81	15559.436	7889.83				mg/L
P	31	14596.646	3334.28				mg/L
S	34	342042.525	199218.36				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.924			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.941			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.428			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		93.701			
Na	23					

Sample ID: L1103098801 WG360427-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103098801S WG360427-04

Sample Date/Time: Thursday, March 31, 2011 11:40:00
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21456.336	0.01				ug/L
|	Be	9	3641.997	0.02	12.2701	0.478	3.893	ug/L
|	Al	27	251712.844	1.52	47.5070	1.042	2.192	ug/L
⌊>	Sc	45	163696.125	163696.12				ug/L
⌈	Ti	49	826.784	0.00	1.4322	0.161	11.257	ug/L
|	V	51	115399.869	0.36	13.5472	0.057	0.421	ug/L
|	Cr	52	109688.103	0.32	14.0535	0.199	1.416	ug/L
|	Cr	53	12752.736	0.04	14.8485	0.337	2.270	ug/L
|	Mn	55	263127.979	0.83	23.5355	0.143	0.606	ug/L
|	Co	59	115020.552	0.36	13.2084	0.066	0.503	ug/L
|	Ni	60	25847.960	0.08	14.1121	0.171	1.213	ug/L
|	Cu	65	25221.685	0.08	13.4050	0.027	0.199	ug/L
|	Zn	66	18613.496	0.06	15.3312	0.250	1.628	ug/L
|>	Ge	72	318176.423	318176.42				ug/L
|	As	75	15336.905	0.05	14.5387	0.127	0.877	ug/L
|	Se	77	1040.721	0.00	11.5156	0.825	7.163	ug/L
|	Se	82	1167.577	0.00	11.4411	0.586	5.125	ug/L
⌊	Rb	85	6170.632	0.02				mg/L
	Y	89	220591.725	-8918.46				ug/L
	Rh	103	55.334	42.00				ug/L
⌈	Mo	98	11481.873	0.04	3.9267	0.038	0.966	ug/L
|	Ag	107	70401.680	0.22	11.4526	0.142	1.243	ug/L
|	Cd	114	15539.843	0.05	12.3053	0.413	3.360	ug/L
|>	In	115	312960.419	312960.42				ug/L
|	Sn	118	192.002	0.00	0.0010	0.002	247.349	ug/L
⌊	Sb	123	50890.187	0.16	12.4398	0.162	1.299	ug/L
⌈	Ba	135	51451.218	0.13	29.7237	0.484	1.629	ug/L
|	Ce	140	1413.576	0.00				ug/L
⌊>	Tb	159	400653.147	400653.15				ug/L
⌈	Ho	165	50.005	0.00				ug/L
|	Tl	203	94054.574	0.27	12.8824	0.220	1.711	ug/L
|	Tl	205	233464.304	0.68	13.0089	0.282	2.171	ug/L
|	Pb	206	78983.899	0.23	13.3513	0.306	2.289	ug/L
|	Pb	207	69612.837	0.20	12.5951	0.139	1.104	ug/L
|	Pb	208	321606.289	0.93	13.0267	0.129	0.992	ug/L
|	U	238	386493.727	1.12	13.2155	0.225	1.703	ug/L
⌊>	Bi	209	344041.210	344041.21				ug/L

Sample ID: L1103098801S WG360427-04
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⌈	Na	23	17037083.471	103.88	3.5581	0.101	2.834	mg/L
|	Mg	24	5808977.077	35.49	1.7637	0.047	2.686	mg/L
|	K	39	4700135.687	26.70	0.6892	0.027	3.956	mg/L
|	Ca	43	158228.012	0.97	10.2720	0.440	4.285	mg/L
|	Fe	54	96423.385	0.25	0.0724	0.008	10.928	mg/L
|	Fe	57	21876.115	0.10	0.0707	0.006	9.064	mg/L
⌊>	Sc-1	45	163696.125	163696.12				mg/L
	Cl	35	133068.204	120788.66				mg/L
	Kr	83	58.667	-6.00				mg/L
	Br	81	15549.414	7879.81				mg/L
	P	31	16813.489	5551.13				mg/L
	S	34	338628.093	195803.93				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.774			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.614			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.770			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.620			
⌈	Na	23					

Sample ID: L1103098801S WG360427-04
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103098801S WG360427-04
Report Date/Time: Thursday, March 31, 2011 11:42:12
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103098801SD WG360427-05

Sample Date/Time: Thursday, March 31, 2011 11:47:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21372.834	0.02				ug/L
|	Be	9	17.333	0.00	0.0285	0.015	51.213	ug/L
|	Al	27	145857.593	0.89	27.9570	3.152	11.273	ug/L
⌊>	Sc	45	160634.323	160634.32				ug/L
⌈	Ti	49	643.419	0.00	1.0820	0.260	23.988	ug/L
|	V	51	11452.735	0.03	1.0804	0.058	5.408	ug/L
|	Cr	52	17689.477	0.03	1.2867	0.029	2.269	ug/L
|	Cr	53	1636.965	0.00	1.6239	0.196	12.056	ug/L
|	Mn	55	112567.183	0.35	10.0661	0.229	2.279	ug/L
|	Co	59	1797.513	0.01	0.1757	0.005	2.795	ug/L
|	Ni	60	2008.555	0.01	1.0570	0.039	3.659	ug/L
|	Cu	65	1005.727	0.00	0.4854	0.012	2.414	ug/L
|	Zn	66	3577.342	0.01	1.9526	0.057	2.943	ug/L
|>	Ge	72	317114.904	317114.90				ug/L
|	As	75	2634.859	0.01	2.6471	0.030	1.151	ug/L
|	Se	77	102.001	0.00	0.4570	0.235	51.329	ug/L
|	Se	82	36.160	0.00	0.3102	0.053	17.091	ug/L
⌊	Rb	85	6082.577	0.02				mg/L
	Y	89	219136.917	-10373.27				ug/L
	Rh	103	57.334	44.00				ug/L
⌈	Mo	98	11184.383	0.04	3.8417	0.084	2.192	ug/L
|	Ag	107	105.335	0.00	0.0197	0.001	3.376	ug/L
|	Cd	114	5.980	0.00	-0.0150	0.009	59.833	ug/L
|>	In	115	311615.319	311615.32				ug/L
|	Sn	118	160.535	-0.00	-0.0057	0.000	7.241	ug/L
⌊	Sb	123	939.459	0.00	0.2366	0.004	1.818	ug/L
⌈	Ba	135	30065.432	0.08	17.4662	0.158	0.907	ug/L
|	Ce	140	960.143	0.00				ug/L
⌊>	Tb	159	398158.857	398158.86				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	924.052	0.00	0.1328	0.000	0.239	ug/L
|	Tl	205	2360.517	0.01	0.1341	0.012	9.181	ug/L
|	Pb	206	483.683	0.00	0.0271	0.002	5.921	ug/L
|	Pb	207	407.679	0.00	0.0316	0.001	4.622	ug/L
|	Pb	208	1969.765	0.00	0.0344	0.001	2.158	ug/L
|	U	238	7080.578	0.02	0.2510	0.005	1.818	ug/L
⌊>	Bi	209	342383.427	342383.43				ug/L

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⌈	Na	23	16798400.926	104.63	3.5835	0.203	5.670	mg/L
|	Mg	24	5679857.387	35.43	1.7607	0.084	4.744	mg/L
|	K	39	4642462.017	26.98	0.6965	0.063	9.099	mg/L
|	Ca	43	155969.465	0.97	10.3368	0.535	5.180	mg/L
|	Fe	54	95482.222	0.26	0.0744	0.009	12.342	mg/L
|	Fe	57	21946.250	0.10	0.0732	0.008	10.883	mg/L
⌊>	Sc-1	45	160634.323	160634.32				mg/L
	Cl	35	107938.844	95659.30				mg/L
	Kr	83	58.334	-6.33				mg/L
	Br	81	14579.288	6909.68				mg/L
	P	31	15330.436	4068.07				mg/L
	S	34	344514.521	201690.36				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.451			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.203			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.161			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.149			
⌈	Na	23					

Sample ID: L1103098801SD WG360427-05
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103098801SD WG360427-05
Report Date/Time: Thursday, March 31, 2011 11:49:18
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Method 6020 - Summary Report

Sample ID: L1103098801PS WG360441-01

Sample Date/Time: Thursday, March 31, 2011 11:54:12
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21807.106	0.02				ug/L
|	Be	9	14238.135	0.09	50.1203	1.010	2.015	ug/L
|	Al	27	391536.523	2.48	77.4789	2.115	2.730	ug/L
⌊>	Sc	45	156905.684	156905.68				ug/L
⌈	Ti	49	780.110	0.00	1.4011	0.387	27.633	ug/L
|	V	51	400354.447	1.30	49.6718	0.773	1.556	ug/L
|	Cr	52	357977.367	1.14	50.5322	0.476	0.943	ug/L
|	Cr	53	41694.237	0.14	51.3004	0.733	1.429	ug/L
|	Mn	55	651366.411	2.13	60.7161	0.876	1.443	ug/L
|	Co	59	427012.810	1.40	51.1049	0.745	1.458	ug/L
|	Ni	60	91018.615	0.30	51.8251	1.022	1.972	ug/L
|	Cu	65	90926.139	0.30	50.4203	1.035	2.053	ug/L
|	Zn	66	56994.563	0.19	51.5578	1.342	2.603	ug/L
|>	Ge	72	305872.011	305872.01				ug/L
|	As	75	50510.663	0.17	49.4032	1.392	2.818	ug/L
|	Se	77	3813.394	0.01	46.0196	1.179	2.561	ug/L
|	Se	82	4482.916	0.01	45.8501	1.511	3.296	ug/L
⌊	Rb	85	5915.475	0.02				mg/L
	Y	89	211140.040	-18370.15				ug/L
	Rh	103	66.334	53.00				ug/L
⌈	Mo	98	10987.418	0.04	3.9150	0.025	0.647	ug/L
|	Ag	107	291163.796	0.97	49.3455	0.773	1.566	ug/L
|	Cd	114	59210.236	0.20	48.9071	0.969	1.980	ug/L
|>	In	115	300366.680	300366.68				ug/L
|	Sn	118	248.403	0.00	0.0155	0.002	11.799	ug/L
⌊	Sb	123	194003.330	0.65	49.3954	0.557	1.127	ug/L
⌈	Ba	135	109070.457	0.28	65.3172	2.165	3.315	ug/L
|	Ce	140	1053.495	0.00				ug/L
⌊>	Tb	159	386824.051	386824.05				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	349783.364	1.05	49.4595	0.677	1.369	ug/L
|	Tl	205	857294.896	2.57	49.3206	0.657	1.333	ug/L
|	Pb	206	292389.920	0.88	51.1983	0.906	1.770	ug/L
|	Pb	207	258693.932	0.78	48.4619	1.027	2.119	ug/L
|	Pb	208	1188708.802	3.56	49.8534	0.661	1.325	ug/L
|	U	238	1435354.426	4.31	50.6618	0.571	1.128	ug/L
⌊>	Bi	209	333161.193	333161.19				ug/L

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⌈	Na	23	16425698.771	104.48	3.5784	0.052	1.445	mg/L
|	Mg	24	5516878.177	35.16	1.7474	0.018	1.010	mg/L
|	K	39	4433260.785	26.24	0.6774	0.024	3.613	mg/L
|	Ca	43	150191.136	0.96	10.1707	0.239	2.348	mg/L
|	Fe	54	90220.121	0.24	0.0682	0.012	17.716	mg/L
|	Fe	57	20807.043	0.10	0.0700	0.004	5.067	mg/L
⌊>	Sc-1	45	156905.684	156905.68				mg/L
	Cl	35	103694.937	91415.40				mg/L
	Kr	83	56.667	-8.00				mg/L
	Br	81	14678.100	7008.49				mg/L
	P	31	14752.908	3490.55				mg/L
	S	34	327969.055	185144.89				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.032			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.766			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		94.395			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.532			
⌈	Na	23					

Sample ID: L1103098801PS WG360441-01
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103098801PS WG360441-01
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Method 6020 - Summary Report

Sample ID: L1103098801SDL WG360441-02

Sample Date/Time: Thursday, March 31, 2011 12:01:19
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19969.936	0.01				ug/L
|	Be	9	5.333	-0.00	-0.0118	0.007	62.978	ug/L
|	Al	27	31215.478	0.18	5.8209	0.722	12.396	ug/L
⌊>	Sc	45	152962.460	152962.46				ug/L
⌈	Ti	49	160.017	0.00	0.1620	0.056	34.587	ug/L
|	V	51	4107.162	0.01	0.2120	0.007	3.323	ug/L
|	Cr	52	10223.661	0.01	0.2936	0.028	9.594	ug/L
|	Cr	53	663.422	0.00	0.4865	0.148	30.402	ug/L
|	Mn	55	21890.492	0.07	1.9685	0.037	1.860	ug/L
|	Co	59	453.682	0.00	0.0222	0.003	12.738	ug/L
|	Ni	60	433.014	0.00	0.1988	0.011	5.407	ug/L
|	Cu	65	251.339	0.00	0.0860	0.001	1.672	ug/L
|	Zn	66	3355.930	0.01	1.8543	0.061	3.315	ug/L
|>	Ge	72	306969.032	306969.03				ug/L
|	As	75	406.392	0.00	0.5650	0.011	1.936	ug/L
|	Se	77	67.334	0.00	0.0728	0.061	84.168	ug/L
|	Se	82	12.189	0.00	0.0776	0.016	20.324	ug/L
⌊	Rb	85	1205.418	0.00				mg/L
	Y	89	214266.415	-15243.78				ug/L
	Rh	103	20.334	7.00				ug/L
⌈	Mo	98	2174.601	0.01	0.7597	0.007	0.954	ug/L
|	Ag	107	58.001	0.00	0.0122	0.001	11.550	ug/L
|	Cd	114	0.755	0.00	-0.0191	0.003	15.067	ug/L
|>	In	115	302868.182	302868.18				ug/L
|	Sn	118	116.801	-0.00	-0.0145	0.002	15.624	ug/L
⌊	Sb	123	537.843	0.00	0.1418	0.022	15.751	ug/L
⌈	Ba	135	5787.732	0.02	3.4679	0.052	1.491	ug/L
|	Ce	140	200.022	0.00				ug/L
⌊>	Tb	159	383697.412	383697.41				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	225.005	0.00	0.0368	0.001	1.835	ug/L
|	Tl	205	493.395	0.00	0.0299	0.002	6.289	ug/L
|	Pb	206	339.342	0.00	0.0029	0.001	50.683	ug/L
|	Pb	207	286.674	0.00	0.0099	0.003	33.155	ug/L
|	Pb	208	1349.716	0.00	0.0095	0.002	16.701	ug/L
|	U	238	1511.463	0.00	0.0601	0.001	2.213	ug/L
⌊>	Bi	209	339899.861	339899.86				ug/L

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Na	23	3268243.710	21.17	0.7248	0.050	6.839	mg/L	
Mg	24	1190369.586	7.79	0.3852	0.025	6.395	mg/L	
K	39	1287360.538	6.39	0.1597	0.009	5.529	mg/L	
Ca	43	30315.596	0.20	2.0982	0.147	7.012	mg/L	
Fe	54	60927.967	0.06	0.0127	0.009	67.691	mg/L	
Fe	57	8874.824	0.03	0.0155	0.001	9.296	mg/L	
> Sc-1	45	152962.460	152962.46				mg/L	
Cl	35	31705.523	19425.98				mg/L	
Kr	83	55.001	-9.67				mg/L	
Br	81	8721.140	1051.53				mg/L	
P	31	11144.916	-117.45				mg/L	
S	34	183866.671	41042.51				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.365			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.530			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.632			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.445			
Na	23					

Sample ID: L1103098801SDL WG360441-02
Report Date/Time: Thursday, March 31, 2011 12:03:31
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103098801SDL WG360441-02
Report Date/Time: Thursday, March 31, 2011 12:03:31
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 12:08:25
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18984.705	0.01				ug/L
|	Be	9	15125.434	0.10	56.6560	2.521	4.450	ug/L
|	Al	27	267874.064	1.80	56.2310	2.418	4.300	ug/L
⌊>	Sc	45	147582.129	147582.13				ug/L
⌈	Ti	49	49292.791	0.16	97.4268	0.490	0.503	ug/L
|	V	51	401952.321	1.29	49.3501	0.500	1.012	ug/L
|	Cr	52	356205.161	1.13	49.7387	0.460	0.925	ug/L
|	Cr	53	41998.899	0.13	51.1281	0.524	1.025	ug/L
|	Mn	55	550016.777	1.78	50.7183	0.133	0.262	ug/L
|	Co	59	431900.440	1.40	51.1455	0.261	0.511	ug/L
|	Ni	60	91197.211	0.29	51.3868	0.859	1.671	ug/L
|	Cu	65	93140.350	0.30	51.1128	0.803	1.570	ug/L
|	Zn	66	57877.263	0.19	51.8133	0.532	1.026	ug/L
| >	Ge	72	309108.477	309108.48				ug/L
|	As	75	52812.959	0.17	51.1067	0.815	1.595	ug/L
|	Se	77	4302.926	0.01	51.4537	1.211	2.354	ug/L
|	Se	82	5298.972	0.02	53.6334	0.591	1.102	ug/L
⌊	Rb	85	2127.248	0.01				mg/L
	Y	89	209997.363	-19512.83				ug/L
	Rh	103	29.000	15.67				ug/L
⌈	Mo	98	293864.599	0.97	103.8444	2.065	1.989	ug/L
|	Ag	107	298169.310	0.98	49.9634	0.418	0.837	ug/L
|	Cd	114	62780.284	0.21	51.2963	1.584	3.088	ug/L
| >	In	115	303768.951	303768.95				ug/L
|	Sn	118	226214.117	0.74	50.5337	1.282	2.538	ug/L
⌊	Sb	123	202751.724	0.67	51.0544	0.723	1.416	ug/L
⌈	Ba	135	82641.246	0.22	50.2611	1.291	2.569	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	380890.304	380890.30				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	353050.728	1.07	50.3022	1.245	2.475	ug/L
|	Tl	205	867928.775	2.62	50.3083	1.043	2.073	ug/L
|	Pb	206	288048.137	0.87	50.8341	1.929	3.795	ug/L
|	Pb	207	268631.943	0.81	50.7041	1.365	2.692	ug/L
|	Pb	208	1195429.028	3.61	50.5207	1.397	2.765	ug/L
|	U	238	1459819.856	4.41	51.9014	0.722	1.392	ug/L
⌊>	Bi	209	330780.526	330780.53				ug/L

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Report Date/Time: Thursday, March 31, 2011 12:10:38
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Na	23	22346812.812	151.28	5.1815	0.132	2.539	mg/L	
Mg	24	15194426.472	103.04	5.1260	0.182	3.554	mg/L	
K	39	30337716.276	203.81	5.3084	0.291	5.481	mg/L	
Ca	43	74510.710	0.50	5.3625	0.291	5.418	mg/L	
Fe	54	2577668.465	17.15	5.3660	0.241	4.488	mg/L	
Fe	57	1099939.104	7.42	5.4102	0.048	0.887	mg/L	
> Sc-1	45	147582.129	147582.13				mg/L	
Cl	35	14324.920	2045.38				mg/L	
Kr	83	59.334	-5.33				mg/L	
Br	81	6983.775	-685.83				mg/L	
P	31	6963.100	-4299.26				mg/L	
S	34	149301.861	6477.70				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	98.700				
Cr	52	99.477				
Cr	53					
Mn	55	101.437				
Co	59	102.291				
Ni	60	102.774				
Cu	65	102.226				
Zn	66	103.627				
> Ge	72		94.016			
As	75	102.213				
Se	77					
Se	82	107.267				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.927				
Cd	114	102.593				
> In	115		92.806			
Sn	118					
Sb	123	102.109				
Ba	135	100.522				
Ce	140					
> Tb	159		92.947			
Ho	165					
Tl	203	100.604				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.041				
U	238	103.803				
> Bi	209		93.857			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 12:10:38

Approved: April 01, 2011

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 12:10:38

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 12:15:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17131.329	-0.01				ug/L
|	Be	9	6.667	-0.00	-0.0070	0.008	120.436	ug/L
|	Al	27	2000.204	-0.01	-0.1734	0.069	39.751	ug/L
⌊>	Sc	45	154128.953	154128.95				ug/L
⌈	Ti	49	60.006	0.00	-0.0370	0.070	188.100	ug/L
|	V	51	2375.434	0.00	-0.0019	0.006	309.174	ug/L
|	Cr	52	8283.512	0.00	0.0200	0.008	42.421	ug/L
|	Cr	53	396.714	0.00	0.1589	0.082	51.844	ug/L
|	Mn	55	347.343	-0.00	-0.0345	0.001	2.439	ug/L
|	Co	59	113.668	-0.00	-0.0183	0.002	11.915	ug/L
|	Ni	60	55.001	-0.00	-0.0157	0.003	16.895	ug/L
|	Cu	65	75.001	0.00	-0.0113	0.004	35.374	ug/L
|	Zn	66	201.337	0.00	-1.0572	0.026	2.479	ug/L
| >	Ge	72	305491.758	305491.76				ug/L
|	As	75	-158.201	-0.00	0.0162	0.013	79.668	ug/L
|	Se	77	64.667	-0.00	0.0437	0.118	269.849	ug/L
|	Se	82	-2.533	0.00	-0.0727	0.011	14.743	ug/L
⌊	Rb	85	26.000	0.00				mg/L
	Y	89	210537.383	-18972.81				ug/L
	Rh	103	12.333	-1.00				ug/L
⌈	Mo	98	126.833	-0.00	0.0338	0.003	8.235	ug/L
|	Ag	107	64.334	0.00	0.0132	0.001	9.530	ug/L
|	Cd	114	4.877	0.00	-0.0157	0.004	24.038	ug/L
| >	In	115	304818.285	304818.28				ug/L
|	Sn	118	361.473	0.00	0.0398	0.007	18.696	ug/L
⌊	Sb	123	136.827	0.00	0.0404	0.004	10.802	ug/L
⌈	Ba	135	25.000	0.00	-0.0117	0.005	42.104	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	381147.066	381147.07				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	56.001	0.00	0.0136	0.001	5.064	ug/L
|	Tl	205	93.343	0.00	0.0075	0.003	38.938	ug/L
|	Pb	206	296.674	0.00	-0.0028	0.004	124.899	ug/L
|	Pb	207	256.339	-0.00	0.0058	0.006	97.858	ug/L
|	Pb	208	1153.704	0.00	0.0029	0.001	50.924	ug/L
|	U	238	120.002	0.00	0.0121	0.001	4.303	ug/L
⌊>	Bi	209	329587.872	329587.87				ug/L

Sample ID: QC Std 7
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Na	23	32763.555	-0.02	-0.0013	0.000	27.325	mg/L	
Mg	24	636.751	-0.00	-0.0026	0.000	0.498	mg/L	
K	39	354085.598	0.26	-0.0002	0.001	351.451	mg/L	
Ca	43	250.028	0.00	0.0036	0.003	81.434	mg/L	
Fe	54	50901.749	-0.01	-0.0088	0.002	28.056	mg/L	
Fe	57	5845.629	0.01	0.0008	0.001	155.593	mg/L	
Sc-1	45	154128.953	154128.95				mg/L	
Cl	35	14376.997	2097.46				mg/L	
Kr	83	61.334	-3.33				mg/L	
Br	81	7145.219	-524.39				mg/L	
P	31	9749.427	-1512.93				mg/L	
S	34	154414.632	11590.47				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		92.916			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		93.126			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		93.010			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		93.519			
Na	23					

Sample ID: QC Std 7
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 12:17:42

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: PBS 70 WG359321-02

Sample Date/Time: Thursday, March 31, 2011 12:22:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19134.985	-0.00				ug/L
|	Be	9	10.000	0.00	0.0027	0.021	747.621	ug/L
|	Al	27	24697.349	0.13	4.0977	0.532	12.982	ug/L
⌊>	Sc	45	165220.580	165220.58				ug/L
⌈	Ti	49	330.038	0.00	0.4782	0.008	1.621	ug/L
|	V	51	2543.219	0.00	0.0068	0.005	80.733	ug/L
|	Cr	52	9317.766	0.00	0.1176	0.022	18.424	ug/L
|	Cr	53	440.054	0.00	0.1912	0.074	38.650	ug/L
|	Mn	55	1126.408	0.00	0.0342	0.001	2.125	ug/L
|	Co	59	149.003	-0.00	-0.0147	0.002	14.305	ug/L
|	Ni	60	160.003	0.00	0.0407	0.008	20.318	ug/L
|	Cu	65	195.337	0.00	0.0513	0.013	25.819	ug/L
|	Zn	66	2557.019	0.01	1.0359	0.042	4.072	ug/L
|>	Ge	72	317792.908	317792.91				ug/L
|	As	75	-127.531	0.00	0.0510	0.041	80.450	ug/L
|	Se	77	67.334	-0.00	0.0439	0.066	149.509	ug/L
|	Se	82	7.487	0.00	0.0279	0.155	554.982	ug/L
⌊	Rb	85	60.334	0.00				mg/L
	Y	89	223341.993	-6168.20				ug/L
	Rh	103	14.667	1.33				ug/L
⌈	Mo	98	81.499	-0.00	0.0167	0.002	11.359	ug/L
|	Ag	107	253.672	0.00	0.0431	0.002	5.779	ug/L
|	Cd	114	2.201	0.00	-0.0180	0.002	13.061	ug/L
|>	In	115	317440.584	317440.58				ug/L
|	Sn	118	210.936	0.00	0.0044	0.001	25.812	ug/L
⌊	Sb	123	127.244	0.00	0.0367	0.002	5.299	ug/L
⌈	Ba	135	109.668	0.00	0.0376	0.011	29.591	ug/L
|	Ce	140	736.768	0.00				ug/L
⌊>	Tb	159	394343.980	394343.98				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	33.334	0.00	0.0102	0.001	7.725	ug/L
|	Tl	205	63.340	0.00	0.0056	0.001	13.667	ug/L
|	Pb	206	359.677	0.00	0.0052	0.004	85.534	ug/L
|	Pb	207	291.007	0.00	0.0096	0.008	78.826	ug/L
|	Pb	208	1370.384	0.00	0.0092	0.004	43.520	ug/L
|	U	238	74.334	0.00	0.0104	0.000	2.573	ug/L
⌊>	Bi	209	347175.199	347175.20				ug/L

Sample ID: PBS 70 WG359321-02
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Na	23	69950.799	0.19	0.0059	0.000	4.849	mg/L	
Mg	24	18348.668	0.10	0.0027	0.000	8.224	mg/L	
K	39	377566.601	0.25	-0.0005	0.001	135.369	mg/L	
Ca	43	526.733	0.00	0.0203	0.005	23.669	mg/L	
Fe	54	65737.415	0.06	0.0125	0.005	39.189	mg/L	
Fe	57	6649.542	0.01	0.0025	0.000	17.176	mg/L	
Sc-1	45	165220.580	165220.58				mg/L	
Cl	35	26059.915	13780.38				mg/L	
Kr	83	59.001	-5.67				mg/L	
Br	81	7552.185	-117.42				mg/L	
P	31	12531.907	1269.54				mg/L	
S	34	149873.679	7049.51				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.657			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		96.982			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		96.230			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		98.509			
Na	23					

Sample ID: PBS 70 WG359321-02
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: LCSS 70 WG359321-03

Sample Date/Time: Thursday, March 31, 2011 12:29:44
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21239.246	0.01				ug/L
|	Be	9	7205.930	0.04	23.5610	0.961	4.078	ug/L
|	Al	27	145045.137	0.84	26.2751	0.537	2.045	ug/L
⌊>	Sc	45	168916.123	168916.12				ug/L
⌈	Ti	49	53.339	0.00	-0.0556	0.055	98.018	ug/L
|	V	51	206764.577	0.64	24.3904	0.590	2.418	ug/L
|	Cr	52	188013.563	0.56	24.8017	0.437	1.763	ug/L
|	Cr	53	21782.564	0.07	25.4794	1.363	5.349	ug/L
|	Mn	55	289710.208	0.90	25.7933	0.421	1.634	ug/L
|	Co	59	224452.092	0.70	25.6798	0.541	2.107	ug/L
|	Ni	60	47606.201	0.15	25.9031	0.412	1.589	ug/L
|	Cu	65	48522.259	0.15	25.7089	0.191	0.743	ug/L
|	Zn	66	30599.384	0.10	25.8711	0.395	1.527	ug/L
|>	Ge	72	319789.693	319789.69				ug/L
|	As	75	24989.734	0.08	23.4680	0.398	1.697	ug/L
|	Se	77	1994.866	0.01	22.6538	0.850	3.751	ug/L
|	Se	82	2267.729	0.01	22.1574	0.198	0.894	ug/L
⌊	Rb	85	53.334	0.00				mg/L
	Y	89	223601.232	-5908.96				ug/L
	Rh	103	24.334	11.00				ug/L
⌈	Mo	98	61.421	-0.00	0.0098	0.005	54.751	ug/L
|	Ag	107	141159.790	0.44	22.4182	0.719	3.209	ug/L
|	Cd	114	31209.228	0.10	24.1411	0.056	0.231	ug/L
|>	In	115	320584.248	320584.25				ug/L
|	Sn	118	210.802	0.00	0.0040	0.001	32.998	ug/L
⌊	Sb	123	100331.301	0.31	23.9383	0.370	1.544	ug/L
⌈	Ba	135	42149.077	0.10	24.2845	0.742	3.054	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	401752.963	401752.96				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	179705.173	0.52	24.3636	0.700	2.874	ug/L
|	Tl	205	443193.103	1.28	24.4465	0.812	3.323	ug/L
|	Pb	206	154034.215	0.44	25.8299	0.826	3.198	ug/L
|	Pb	207	135090.399	0.39	24.2384	0.781	3.221	ug/L
|	Pb	208	624091.819	1.79	25.0700	0.765	3.051	ug/L
|	U	238	734190.721	2.11	24.8461	0.485	1.953	ug/L
⌊>	Bi	209	347553.271	347553.27				ug/L

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⌈	Na	23	55133.734	0.09	0.0026	0.000	17.494	mg/L
|	Mg	24	23175.806	0.13	0.0040	0.000	7.258	mg/L
|	K	39	368437.705	0.15	-0.0032	0.002	56.883	mg/L
|	Ca	43	370.044	0.00	0.0097	0.003	32.894	mg/L
|	Fe	54	66446.813	0.06	0.0111	0.005	41.863	mg/L
|	Fe	57	6646.207	0.01	0.0019	0.001	67.547	mg/L
⌊>	Sc-1	45	168916.123	168916.12				mg/L
	Cl	35	21260.580	8981.04				mg/L
	Kr	83	65.001	0.33				mg/L
	Br	81	7821.063	151.46				mg/L
	P	31	13518.544	2256.18				mg/L
	S	34	158579.055	15754.89				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.265			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.943			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.038			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.616			
⌈	Na	23					

Sample ID: LCSS 70 WG359321-03
Report Date/Time: Thursday, March 31, 2011 12:31:57
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 70 WG359321-03
Report Date/Time: Thursday, March 31, 2011 12:31:57
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Method 6020 - Summary Report

Sample ID: L1103042701

Sample Date/Time: Thursday, March 31, 2011 12:36:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19485.663	0.03				ug/L
|	Be	9	32.667	0.00	0.1021	0.014	14.073	ug/L
|	Al	27	4450270.592	32.74	1023.7331	41.878	4.091	ug/L
⌊>	Sc	45	135900.739	135900.74				ug/L
⌈	Ti	49	3677.713	0.01	7.6615	0.571	7.448	ug/L
|	V	51	21257.597	0.07	2.5211	0.127	5.029	ug/L
|	Cr	52	36149.292	0.10	4.3718	0.201	4.597	ug/L
|	Cr	53	3520.976	0.01	4.3020	0.468	10.887	ug/L
|	Mn	55	296313.249	1.03	29.3185	0.819	2.794	ug/L
|	Co	59	10581.038	0.04	1.3147	0.050	3.812	ug/L
|	Ni	60	8748.249	0.03	5.2513	0.215	4.099	ug/L
|	Cu	65	18187.728	0.06	10.6770	0.524	4.907	ug/L
|	Zn	66	6822.062	0.02	5.4725	0.173	3.155	ug/L
|>	Ge	72	287812.951	287812.95				ug/L
|	As	75	1709.478	0.01	1.9411	0.074	3.787	ug/L
|	Se	77	76.667	0.00	0.2489	0.103	41.216	ug/L
|	Se	82	26.479	0.00	0.2412	0.046	19.134	ug/L
⌊	Rb	85	19379.963	0.07				mg/L
	Y	89	207001.291	-22508.90				ug/L
	Rh	103	326.675	313.34				ug/L
⌈	Mo	98	3668.395	0.01	1.4025	0.039	2.761	ug/L
|	Ag	107	142.336	0.00	0.0285	0.001	1.868	ug/L
|	Cd	114	11.959	0.00	-0.0091	0.006	62.062	ug/L
|>	In	115	278561.910	278561.91				ug/L
|	Sn	118	257.070	0.00	0.0220	0.002	7.425	ug/L
⌊	Sb	123	79.572	0.00	0.0279	0.002	6.238	ug/L
⌈	Ba	135	78294.687	0.22	49.8966	1.649	3.304	ug/L
|	Ce	140	48974.631	0.13				ug/L
⌊>	Tb	159	363289.527	363289.53				ug/L
⌈	Ho	165	720.098	0.00				ug/L
|	Tl	203	334.342	0.00	0.0573	0.008	14.218	ug/L
|	Tl	205	756.771	0.00	0.0497	0.004	8.976	ug/L
|	Pb	206	61641.067	0.20	11.7507	0.269	2.292	ug/L
|	Pb	207	51172.471	0.17	10.4397	0.172	1.648	ug/L
|	Pb	208	240242.440	0.78	10.9733	0.293	2.674	ug/L
|	U	238	11056.889	0.04	0.4342	0.009	2.024	ug/L
⌊>	Bi	209	304901.911	304901.91				ug/L

Sample ID: L1103042701
Report Date/Time: Thursday, March 31, 2011 12:39:04
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⌈	Na	23	18581499.938	136.54	4.6767	0.190	4.062	mg/L
|	Mg	24	60345149.421	444.08	22.0994	0.837	3.785	mg/L
|	K	39	2553328.493	16.76	0.4301	0.024	5.475	mg/L
|	Ca	43	1064989.059	7.84	83.3480	4.045	4.853	mg/L
|	Fe	54	1193948.897	8.45	2.6404	0.108	4.073	mg/L
|	Fe	57	510740.057	3.73	2.7152	0.122	4.502	mg/L
⌊>	Sc-1	45	135900.739	135900.74				mg/L
	Cl	35	102803.058	90523.52				mg/L
	Kr	83	60.001	-4.67				mg/L
	Br	81	10260.595	2590.99				mg/L
	P	31	13559.859	2297.50				mg/L
	S	34	1078264.371	935440.21				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		87.539			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		85.104			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.652			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		86.514			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103042901

Sample Date/Time: Thursday, March 31, 2011 12:44:00
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19502.368	0.01				ug/L
|	Be	9	104.667	0.00	0.3461	0.104	30.050	ug/L
|	Al	27	15541486.463	101.47	3172.4986	249.102	7.852	ug/L
⌊>	Sc	45	153709.821	153709.82				ug/L
⌈	Ti	49	7006.492	0.02	14.0718	0.805	5.722	ug/L
|	V	51	58381.130	0.19	7.0973	0.292	4.115	ug/L
|	Cr	52	57324.509	0.16	7.2268	0.239	3.312	ug/L
|	Cr	53	6012.409	0.02	7.2244	0.170	2.349	ug/L
|	Mn	55	2081232.216	6.90	197.0367	9.061	4.599	ug/L
|	Co	59	46411.020	0.15	5.6088	0.196	3.489	ug/L
|	Ni	60	21413.796	0.07	12.3386	0.297	2.405	ug/L
|	Cu	65	30313.212	0.10	17.0250	0.516	3.032	ug/L
|	Zn	66	42049.399	0.14	38.2912	1.416	3.697	ug/L
|>	Ge	72	301326.866	301326.87				ug/L
|	As	75	6470.472	0.02	6.5709	0.238	3.620	ug/L
|	Se	77	98.667	0.00	0.4781	0.187	39.196	ug/L
|	Se	82	46.781	0.00	0.4394	0.028	6.346	ug/L
⌊	Rb	85	51602.051	0.17				mg/L
	Y	89	243308.499	13798.31				ug/L
	Rh	103	31.000	17.67				ug/L
⌈	Mo	98	2065.216	0.01	0.7493	0.023	3.044	ug/L
|	Ag	107	323.008	0.00	0.0588	0.003	4.571	ug/L
|	Cd	114	56.602	0.00	0.0285	0.020	69.000	ug/L
|>	In	115	291590.016	291590.02				ug/L
|	Sn	118	206.935	0.00	0.0075	0.004	48.446	ug/L
⌊	Sb	123	151.949	0.00	0.0459	0.006	12.059	ug/L
⌈	Ba	135	336066.237	0.92	212.1016	6.317	2.978	ug/L
|	Ce	140	104221.392	0.28				ug/L
⌊>	Tb	159	366912.169	366912.17				ug/L
⌈	Ho	165	3024.096	0.01				ug/L
|	Tl	203	641.360	0.00	0.0982	0.004	4.073	ug/L
|	Tl	205	1493.595	0.00	0.0899	0.012	13.887	ug/L
|	Pb	206	192948.895	0.59	34.4428	0.764	2.218	ug/L
|	Pb	207	164174.834	0.50	31.3514	0.865	2.758	ug/L
|	Pb	208	766311.054	2.34	32.7651	0.813	2.481	ug/L
|	U	238	8442.318	0.03	0.3117	0.008	2.500	ug/L
⌊>	Bi	209	326516.371	326516.37				ug/L

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Na	23	2180371.429	13.99	0.4789	0.032	6.641	mg/L	
Mg	24	6383223.965	41.64	2.0701	0.129	6.248	mg/L	
K	39	3742762.535	22.38	0.5767	0.038	6.565	mg/L	
Ca	43	99856.350	0.65	6.9148	0.450	6.507	mg/L	
Fe	54	6695338.304	43.41	13.5933	1.348	9.918	mg/L	
Fe	57	2897675.218	18.92	13.7936	1.561	11.316	mg/L	
> Sc-1	45	153709.821	153709.82				mg/L	
Cl	35	43685.907	31406.37				mg/L	
Kr	83	63.668	-1.00				mg/L	
Br	81	8314.790	645.18				mg/L	
P	31	54354.091	43091.73				mg/L	
S	34	199139.095	56314.93				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.649			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.085			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.536			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		92.647			
Na	23					

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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050105 WG359321-01

Sample Date/Time: Thursday, March 31, 2011 12:51:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18767.778	0.01				ug/L
|	Be	9	144.668	0.00	0.4943	0.047	9.443	ug/L
|	Al	27	25749167.117	168.96	5282.6599	215.360	4.077	ug/L
⌊>	Sc	45	152368.974	152368.97				ug/L
⌈	Ti	49	1166.852	0.00	2.2054	0.387	17.551	ug/L
|	V	51	58478.255	0.19	7.0806	0.370	5.220	ug/L
|	Cr	52	37078.340	0.10	4.2366	0.203	4.793	ug/L
|	Cr	53	3921.164	0.01	4.5780	0.439	9.597	ug/L
|	Mn	55	1461722.213	4.83	137.8291	6.067	4.401	ug/L
|	Co	59	24052.835	0.08	2.8804	0.167	5.805	ug/L
|	Ni	60	8947.759	0.03	5.1076	0.198	3.870	ug/L
|	Cu	65	10164.606	0.03	5.6521	0.355	6.285	ug/L
|	Zn	66	27820.968	0.09	24.8158	1.483	5.975	ug/L
| >	Ge	72	302667.851	302667.85				ug/L
|	As	75	2388.753	0.01	2.5244	0.130	5.158	ug/L
|	Se	77	107.334	0.00	0.5784	0.119	20.591	ug/L
|	Se	82	20.397	0.00	0.1645	0.038	23.146	ug/L
⌊	Rb	85	78156.618	0.26				mg/L
	Y	89	272380.031	42869.84				ug/L
	Rh	103	21.000	7.67				ug/L
⌈	Mo	98	167.318	0.00	0.0503	0.004	7.752	ug/L
|	Ag	107	306.341	0.00	0.0556	0.002	2.749	ug/L
|	Cd	114	75.398	0.00	0.0440	0.016	37.437	ug/L
| >	In	115	293504.262	293504.26				ug/L
|	Sn	118	118.134	-0.00	-0.0134	0.002	11.823	ug/L
⌊	Sb	123	45.324	-0.00	0.0179	0.001	6.185	ug/L
⌈	Ba	135	98265.790	0.26	60.9817	2.081	3.412	ug/L
|	Ce	140	518461.356	1.39				ug/L
⌊>	Tb	159	373139.140	373139.14				ug/L
⌈	Ho	165	4504.798	0.01				ug/L
|	Tl	203	544.687	0.00	0.0838	0.002	2.781	ug/L
|	Tl	205	1400.238	0.00	0.0839	0.005	6.161	ug/L
|	Pb	206	36194.477	0.11	6.3843	0.260	4.066	ug/L
|	Pb	207	30128.652	0.09	5.6906	0.193	3.390	ug/L
|	Pb	208	142058.705	0.43	6.0067	0.184	3.066	ug/L
|	U	238	16936.177	0.05	0.6145	0.022	3.508	ug/L
⌊>	Bi	209	328225.885	328225.89				ug/L

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⌈	Na	23	219761.234	1.21	0.0408	0.001	2.353	mg/L
|	Mg	24	6648310.101	43.62	2.1684	0.080	3.710	mg/L
|	K	39	11737591.970	74.99	1.9488	0.068	3.482	mg/L
|	Ca	43	80222.184	0.53	5.5857	0.229	4.101	mg/L
|	Fe	54	3313214.102	21.41	6.7009	0.160	2.388	mg/L
|	Fe	57	1443459.462	9.44	6.8819	0.223	3.234	mg/L
⌊>	Sc-1	45	152368.974	152368.97				mg/L
	Cl	35	16489.587	4210.05				mg/L
	Kr	83	69.334	4.67				mg/L
	Br	81	7674.944	5.34				mg/L
	P	31	72974.832	61712.47				mg/L
	S	34	126490.490	-16333.67				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.057			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.670			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.056			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.132			
⌈	Na	23					

Sample ID: L1103050105 WG359321-01
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050106S WG359321-04

Sample Date/Time: Thursday, March 31, 2011 12:58:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 24
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17899.435	0.00				ug/L
|	Be	9	1862.842	0.01	6.7608	0.806	11.921	ug/L
|	Al	27	26330394.451	173.64	5428.9593	336.127	6.191	ug/L
⌊>	Sc	45	151641.340	151641.34				ug/L
⌈	Ti	49	1250.204	0.00	2.3632	0.374	15.845	ug/L
|	V	51	93436.625	0.30	11.4649	0.615	5.361	ug/L
|	Cr	52	75050.779	0.22	9.7570	0.484	4.960	ug/L
|	Cr	53	8137.484	0.03	9.8307	1.105	11.237	ug/L
|	Mn	55	1476532.916	4.87	138.8799	7.480	5.386	ug/L
|	Co	59	69967.050	0.23	8.4171	0.503	5.978	ug/L
|	Ni	60	18549.761	0.06	10.6138	0.653	6.155	ug/L
|	Cu	65	19800.154	0.07	11.0312	0.514	4.662	ug/L
|	Zn	66	34308.246	0.11	30.8070	1.710	5.551	ug/L
|>	Ge	72	303228.897	303228.90				ug/L
|	As	75	7469.405	0.03	7.5099	0.403	5.365	ug/L
|	Se	77	575.350	0.00	6.3631	0.268	4.212	ug/L
|	Se	82	551.097	0.00	5.6412	0.179	3.181	ug/L
⌊	Rb	85	80177.238	0.26				mg/L
	Y	89	272650.587	43140.40				ug/L
	Rh	103	26.000	12.67				ug/L
⌈	Mo	98	218.388	0.00	0.0687	0.008	11.518	ug/L
|	Ag	107	30296.224	0.10	5.2319	0.275	5.253	ug/L
|	Cd	114	7379.358	0.03	6.1914	0.353	5.699	ug/L
|>	In	115	294840.973	294840.97				ug/L
|	Sn	118	114.134	-0.00	-0.0144	0.001	9.478	ug/L
⌊	Sb	123	379.375	0.00	0.1045	0.005	5.206	ug/L
⌈	Ba	135	105827.944	0.28	65.5732	3.419	5.215	ug/L
|	Ce	140	509261.895	1.36				ug/L
⌊>	Tb	159	373671.117	373671.12				ug/L
⌈	Ho	165	4318.034	0.01				ug/L
|	Tl	203	37417.028	0.12	5.5292	0.257	4.654	ug/L
|	Tl	205	92156.074	0.29	5.5381	0.290	5.237	ug/L
|	Pb	206	65163.899	0.20	11.8705	0.749	6.313	ug/L
|	Pb	207	55764.382	0.17	10.8730	0.671	6.173	ug/L
|	Pb	208	261745.597	0.82	11.4252	0.652	5.709	ug/L
|	U	238	167914.371	0.53	6.1939	0.365	5.889	ug/L
⌊>	Bi	209	319033.378	319033.38				ug/L

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Na	23	201804.910	1.09	0.0370	0.002	6.241	mg/L
Mg	24	6460893.917	42.62	2.1186	0.143	6.768	mg/L
K	39	11766867.944	75.58	1.9642	0.129	6.574	mg/L
Ca	43	76157.320	0.50	5.3278	0.363	6.810	mg/L
Fe	54	3342065.652	21.71	6.7936	0.469	6.898	mg/L
Fe	57	1439644.651	9.46	6.9001	0.570	8.260	mg/L
Sc-1	45	151641.340	151641.34				mg/L
Cl	35	16301.947	4022.41				mg/L
Kr	83	68.334	3.67				mg/L
Br	81	7614.898	-54.71				mg/L
P	31	69633.775	58371.41				mg/L
S	34	133713.017	-9111.15				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		92.228			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		90.078			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		91.186			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		90.524			
Na	23					

Sample ID: L1103050106S WG359321-04
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1103050106S WG359321-04
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Method 6020 - Summary Report

Sample ID: L1103050107SD WG359321-05

Sample Date/Time: Thursday, March 31, 2011 13:05:16
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 25
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18968.036	0.01				ug/L
|	Be	9	1859.507	0.01	6.5996	0.454	6.874	ug/L
|	Al	27	29077290.758	187.88	5874.1454	531.115	9.042	ug/L
⌊>	Sc	45	155026.796	155026.80				ug/L
⌈	Ti	49	1383.567	0.00	2.6726	0.015	0.552	ug/L
|	V	51	97072.302	0.32	12.0880	0.663	5.484	ug/L
|	Cr	52	78075.376	0.23	10.3520	0.647	6.251	ug/L
|	Cr	53	8551.197	0.03	10.4925	0.980	9.343	ug/L
|	Mn	55	1624697.387	5.43	154.9238	7.809	5.041	ug/L
|	Co	59	71400.114	0.24	8.7092	0.419	4.815	ug/L
|	Ni	60	19285.823	0.06	11.1884	0.704	6.296	ug/L
|	Cu	65	20562.367	0.07	11.6154	0.628	5.403	ug/L
|	Zn	66	35606.729	0.12	32.4772	1.539	4.739	ug/L
| >	Ge	72	299162.586	299162.59				ug/L
|	As	75	7708.658	0.03	7.8510	0.412	5.249	ug/L
|	Se	77	547.348	0.00	6.1121	0.403	6.592	ug/L
|	Se	82	568.388	0.00	5.9017	0.267	4.524	ug/L
⌊	Rb	85	88478.585	0.30				mg/L
	Y	89	275186.143	45675.95				ug/L
	Rh	103	30.334	17.00				ug/L
⌈	Mo	98	211.616	0.00	0.0664	0.009	13.437	ug/L
|	Ag	107	29774.289	0.10	5.1568	0.226	4.385	ug/L
|	Cd	114	7221.953	0.02	6.0763	0.388	6.382	ug/L
| >	In	115	293995.753	293995.75				ug/L
|	Sn	118	124.001	-0.00	-0.0120	0.001	7.590	ug/L
⌊	Sb	123	274.953	0.00	0.0776	0.003	4.030	ug/L
⌈	Ba	135	113403.490	0.31	71.3602	2.642	3.702	ug/L
|	Ce	140	554753.773	1.51				ug/L
⌊>	Tb	159	367917.562	367917.56				ug/L
⌈	Ho	165	4854.999	0.02				ug/L
|	Tl	203	37271.124	0.12	5.4621	0.243	4.451	ug/L
|	Tl	205	92853.034	0.29	5.5338	0.383	6.923	ug/L
|	Pb	206	70148.428	0.22	12.6768	0.740	5.841	ug/L
|	Pb	207	59642.879	0.18	11.5360	0.570	4.945	ug/L
|	Pb	208	279883.286	0.87	12.1193	0.615	5.076	ug/L
|	U	238	172923.956	0.54	6.3267	0.323	5.102	ug/L
⌊>	Bi	209	321733.254	321733.25				ug/L

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⌈	Na	23	224865.005	1.22	0.0412	0.003	6.860	mg/L
|	Mg	24	7258375.870	46.86	2.3297	0.153	6.549	mg/L
|	K	39	12952740.075	81.59	2.1209	0.154	7.275	mg/L
|	Ca	43	81240.631	0.52	5.5609	0.264	4.755	mg/L
|	Fe	54	3648626.913	23.22	7.2663	0.492	6.770	mg/L
|	Fe	57	1566784.105	10.08	7.3485	0.430	5.846	mg/L
⌊>	Sc-1	45	155026.796	155026.80				mg/L
	Cl	35	16690.585	4411.05				mg/L
	Kr	83	73.334	8.67				mg/L
	Br	81	7630.913	-38.69				mg/L
	P	31	76164.093	64901.73				mg/L
	S	34	127661.744	-15162.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		90.991			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.820			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.782			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		91.290			
⌈	Na	23					

Sample ID: L1103050107SD WG359321-05
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1103050107SD WG359321-05
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Method 6020 - Summary Report

Sample ID: L1103042901PS WG359367-03

Sample Date/Time: Thursday, March 31, 2011 13:12:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 26
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18149.825	-0.00				ug/L
|	Be	9	17713.112	0.11	62.4018	5.706	9.144	ug/L
|	Al	27	17611237.996	112.28	3510.6251	323.893	9.226	ug/L
⌊>	Sc	45	156770.511	156770.51				ug/L
⌈	Ti	49	7837.206	0.03	15.2513	1.539	10.093	ug/L
|	V	51	517119.147	1.65	63.1452	7.353	11.645	ug/L
|	Cr	52	462536.223	1.46	64.4934	7.067	10.957	ug/L
|	Cr	53	54038.607	0.17	65.4357	6.677	10.204	ug/L
|	Mn	55	2970115.771	9.54	272.3421	28.794	10.573	ug/L
|	Co	59	552061.709	1.77	64.9438	6.583	10.136	ug/L
|	Ni	60	130916.924	0.42	73.2796	7.149	9.756	ug/L
|	Cu	65	140730.209	0.45	76.7281	8.224	10.718	ug/L
|	Zn	66	115241.457	0.37	103.6801	10.140	9.780	ug/L
|>	Ge	72	311268.326	311268.33				ug/L
|	As	75	72103.943	0.23	69.2334	5.293	7.645	ug/L
|	Se	77	5373.448	0.02	64.0112	4.819	7.529	ug/L
|	Se	82	6712.187	0.02	67.4796	5.060	7.499	ug/L
⌊	Rb	85	59099.871	0.19				mg/L
	Y	89	255365.379	25855.19				ug/L
	Rh	103	59.667	46.33				ug/L
⌈	Mo	98	2377.623	0.01	0.8398	0.080	9.540	ug/L
|	Ag	107	354926.583	1.18	60.2265	5.281	8.768	ug/L
|	Cd	114	75119.451	0.25	62.1296	5.711	9.192	ug/L
|>	In	115	299920.176	299920.18				ug/L
|	Sn	118	266.137	0.00	0.0196	0.004	21.500	ug/L
⌊	Sb	123	236547.321	0.79	60.3045	4.629	7.676	ug/L
⌈	Ba	135	471831.427	1.24	287.3200	31.981	11.131	ug/L
|	Ce	140	115055.482	0.30				ug/L
⌊>	Tb	159	380315.779	380315.78				ug/L
⌈	Ho	165	3520.976	0.01				ug/L
|	Tl	203	410208.708	1.25	58.8053	5.060	8.604	ug/L
|	Tl	205	1013602.313	3.08	59.1274	4.972	8.408	ug/L
|	Pb	206	549981.010	1.67	97.6907	9.015	9.228	ug/L
|	Pb	207	480279.092	1.46	91.2648	8.883	9.733	ug/L
|	Pb	208	2217760.473	6.75	94.3527	9.120	9.666	ug/L
|	U	238	1648029.717	5.02	58.9779	6.001	10.175	ug/L
⌊>	Bi	209	328542.999	328543.00				ug/L

Sample ID: L1103042901PS WG359367-03
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Na	23	2452758.311	15.41	0.5273	0.049	9.314	mg/L	
Mg	24	6979662.268	44.49	2.2118	0.197	8.895	mg/L	
K	39	4184341.813	24.65	0.6359	0.058	9.172	mg/L	
Ca	43	111052.731	0.71	7.5200	0.797	10.601	mg/L	
Fe	54	7502378.510	47.53	14.8850	1.447	9.719	mg/L	
Fe	57	3165933.106	20.17	14.7062	1.407	9.568	mg/L	
Sc-1	45	156770.511	156770.51				mg/L	
Cl	35	46998.226	34718.69				mg/L	
Kr	83	59.001	-5.67				mg/L	
Br	81	9403.753	1734.15				mg/L	
P	31	60570.321	49307.96				mg/L	
S	34	204889.720	62065.56				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		94.673			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		91.630			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		92.807			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		93.222			
Na	23					

Sample ID: L1103042901PS WG359367-03
Report Date/Time: Thursday, March 31, 2011 13:14:34

Approved: April 01, 2011

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103042901SDL WG359367-04

Sample Date/Time: Thursday, March 31, 2011 13:19:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 27
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17398.511	0.00				ug/L
|	Be	9	32.667	0.00	0.0906	0.021	23.267	ug/L
|	Al	27	3082918.359	20.77	649.5714	30.447	4.687	ug/L
⌊>	Sc	45	148393.584	148393.58				ug/L
⌈	Ti	49	1366.897	0.00	2.4579	0.227	9.218	ug/L
|	V	51	12986.120	0.03	1.2508	0.015	1.193	ug/L
|	Cr	52	16449.684	0.03	1.0937	0.032	2.954	ug/L
|	Cr	53	1296.881	0.00	1.2026	0.084	7.005	ug/L
|	Mn	55	390538.134	1.22	34.7718	0.495	1.425	ug/L
|	Co	59	8750.915	0.03	0.9699	0.003	0.306	ug/L
|	Ni	60	4238.274	0.01	2.2619	0.013	0.594	ug/L
|	Cu	65	5784.063	0.02	3.0164	0.027	0.896	ug/L
|	Zn	66	10465.579	0.03	8.0243	0.147	1.831	ug/L
|>	Ge	72	319938.384	319938.38				ug/L
|	As	75	1088.494	0.00	1.1847	0.025	2.083	ug/L
|	Se	77	87.334	0.00	0.2729	0.209	76.494	ug/L
|	Se	82	7.093	0.00	0.0229	0.084	366.992	ug/L
⌊	Rb	85	10090.857	0.03				mg/L
	Y	89	226638.932	-2871.26				ug/L
	Rh	103	14.000	0.67				ug/L
⌈	Mo	98	396.587	0.00	0.1276	0.007	5.607	ug/L
|	Ag	107	111.002	0.00	0.0208	0.000	2.328	ug/L
|	Cd	114	26.414	0.00	0.0016	0.008	530.875	ug/L
|>	In	115	307529.763	307529.76				ug/L
|	Sn	118	160.001	-0.00	-0.0054	0.001	23.332	ug/L
⌊	Sb	123	348.329	0.00	0.0927	0.008	8.166	ug/L
⌈	Ba	135	62806.580	0.17	38.5547	0.950	2.464	ug/L
|	Ce	140	19434.145	0.05				ug/L
⌊>	Tb	159	377250.194	377250.19				ug/L
⌈	Ho	165	513.398	0.00				ug/L
|	Tl	203	213.671	0.00	0.0367	0.003	6.930	ug/L
|	Tl	205	446.722	0.00	0.0285	0.004	15.613	ug/L
|	Pb	206	35022.906	0.11	6.2658	0.142	2.264	ug/L
|	Pb	207	29525.494	0.09	5.6556	0.033	0.588	ug/L
|	Pb	208	138018.778	0.42	5.9184	0.064	1.080	ug/L
|	U	238	1491.460	0.00	0.0621	0.003	5.495	ug/L
⌊>	Bi	209	323651.321	323651.32				ug/L

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Na	23	446095.858	2.77	0.0945	0.005	5.794	mg/L	
Mg	24	1244213.934	8.38	0.4147	0.013	3.153	mg/L	
K	39	1122522.786	5.54	0.1373	0.007	5.337	mg/L	
Ca	43	18542.387	0.12	1.3172	0.102	7.777	mg/L	
Fe	54	1336052.744	8.68	2.7111	0.129	4.753	mg/L	
Fe	57	550273.523	3.68	2.6805	0.141	5.253	mg/L	
> Sc-1	45	148393.584	148393.58				mg/L	
Cl	35	18715.498	6435.96				mg/L	
Kr	83	66.001	1.33				mg/L	
Br	81	7753.673	84.07				mg/L	
P	31	12643.324	1380.96				mg/L	
S	34	146370.965	3546.80				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.310			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		93.955			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		92.059			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		91.834			
Na	23					

Sample ID: L1103042901SDL WG359367-04
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103042901SDL WG359367-04
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103091601

Sample Date/Time: Thursday, March 31, 2011 13:26:34
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 28
Method File: C:\elandata\Method\6020a.mth
Sample Description: 250

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18450.406	-0.00				ug/L
|	Be	9	10.667	0.00	0.0055	0.009	170.235	ug/L
|	Al	27	6652.255	0.02	0.7109	0.211	29.626	ug/L
⌊>	Sc	45	161155.729	161155.73				ug/L
⌈	Ti	49	43.338	0.00	-0.0757	0.029	38.445	ug/L
|	V	51	2565.313	0.00	0.0025	0.009	376.751	ug/L
|	Cr	52	8806.633	0.00	0.0190	0.031	165.703	ug/L
|	Cr	53	410.049	0.00	0.1449	0.033	22.607	ug/L
|	Mn	55	5690.676	0.02	0.4326	0.003	0.578	ug/L
|	Co	59	363.677	0.00	0.0091	0.002	16.710	ug/L
|	Ni	60	154.336	0.00	0.0356	0.004	11.032	ug/L
|	Cu	65	99.335	0.00	-0.0012	0.004	346.457	ug/L
|	Zn	66	3117.184	0.01	1.4730	0.020	1.362	ug/L
|>	Ge	72	325080.750	325080.75				ug/L
|	As	75	-151.167	0.00	0.0320	0.048	150.581	ug/L
|	Se	77	87.334	0.00	0.2568	0.293	114.005	ug/L
|	Se	82	17.093	0.00	0.1184	0.138	116.580	ug/L
⌊	Rb	85	156.003	0.00				mg/L
	Y	89	230906.175	1395.99				ug/L
	Rh	103	14.667	1.33				ug/L
⌈	Mo	98	22.461	-0.00	-0.0033	0.001	22.286	ug/L
|	Ag	107	52.001	0.00	0.0108	0.001	4.716	ug/L
|	Cd	114	-3.059	-0.00	-0.0222	0.005	23.272	ug/L
|>	In	115	318024.234	318024.23				ug/L
|	Sn	118	113.201	-0.00	-0.0165	0.002	13.319	ug/L
⌊	Sb	123	276.496	0.00	0.0726	0.004	4.968	ug/L
⌈	Ba	135	41972.665	0.11	25.0159	0.307	1.226	ug/L
|	Ce	140	200.022	0.00				ug/L
⌊>	Tb	159	388274.649	388274.65				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	111.002	0.00	0.0215	0.007	32.346	ug/L
|	Tl	205	303.369	0.00	0.0198	0.008	40.352	ug/L
|	Pb	206	306.008	0.00	-0.0010	0.006	543.550	ug/L
|	Pb	207	273.006	0.00	0.0091	0.002	18.777	ug/L
|	Pb	208	1220.708	0.00	0.0059	0.003	44.360	ug/L
|	U	238	127.002	0.00	0.0124	0.000	1.493	ug/L
⌊>	Bi	209	329143.918	329143.92				ug/L

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Na	23	9842803.071	60.87	2.0845	0.048	2.290	mg/L
Mg	24	1959361.027	12.16	0.6027	0.017	2.870	mg/L
K	39	427056.938	0.62	0.0091	0.003	28.517	mg/L
Ca	43	12218.683	0.07	0.7932	0.032	4.032	mg/L
Fe	54	57668.021	0.02	-0.0000	0.008	59918.403	mg/L
Fe	57	7163.283	0.01	0.0056	0.001	10.059	mg/L
Sc-1	45	161155.729	161155.73				mg/L
Cl	35	112799.318	100519.78				mg/L
Kr	83	66.001	1.33				mg/L
Br	81	19969.926	12300.32				mg/L
P	31	11094.823	-167.54				mg/L
S	34	128572.684	-14251.48				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		98.874			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.161			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		94.749			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		93.393			
Na	23					

Sample ID: L1103091601
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103091601
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 13:33:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18784.329	0.01				ug/L
|	Be	9	14745.534	0.10	54.1610	1.084	2.002	ug/L
|	Al	27	258994.749	1.70	53.2905	1.371	2.572	ug/L
⌊>	Sc	45	150355.439	150355.44				ug/L
⌈	Ti	49	50197.378	0.16	96.6930	1.853	1.917	ug/L
|	V	51	409584.572	1.28	49.0043	0.413	0.843	ug/L
|	Cr	52	361864.474	1.12	49.2324	0.312	0.634	ug/L
|	Cr	53	41925.239	0.13	49.7390	1.082	2.176	ug/L
|	Mn	55	568332.916	1.79	51.0780	0.131	0.257	ug/L
|	Co	59	444946.366	1.40	51.3529	0.333	0.649	ug/L
|	Ni	60	92093.373	0.29	50.5656	0.200	0.395	ug/L
|	Cu	65	95574.848	0.30	51.1095	0.176	0.344	ug/L
|	Zn	66	59102.761	0.19	51.5558	0.666	1.292	ug/L
|>	Ge	72	317148.134	317148.13				ug/L
|	As	75	55244.485	0.17	52.0944	0.402	0.772	ug/L
|	Se	77	4509.017	0.01	52.5807	1.603	3.049	ug/L
|	Se	82	5518.773	0.02	54.4387	1.245	2.286	ug/L
⌊	Rb	85	2241.274	0.01				mg/L
	Y	89	219287.498	-10222.69				ug/L
	Rh	103	42.667	29.33				ug/L
⌈	Mo	98	304618.573	0.98	105.7403	1.285	1.215	ug/L
|	Ag	107	311594.206	1.01	51.3064	0.663	1.292	ug/L
|	Cd	114	65570.132	0.21	52.6159	0.820	1.558	ug/L
|>	In	115	309168.490	309168.49				ug/L
|	Sn	118	232762.645	0.75	51.0731	0.585	1.145	ug/L
⌊	Sb	123	206118.141	0.67	50.9883	0.577	1.131	ug/L
⌈	Ba	135	84470.105	0.22	50.9093	0.198	0.388	ug/L
|	Ce	140	43.338	0.00				ug/L
⌊>	Tb	159	384183.377	384183.38				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	347121.010	1.07	50.2970	0.652	1.297	ug/L
|	Tl	205	850326.851	2.62	50.1310	0.395	0.789	ug/L
|	Pb	206	281753.463	0.87	50.5551	0.863	1.707	ug/L
|	Pb	207	265953.807	0.82	51.0511	0.315	0.617	ug/L
|	Pb	208	1183431.959	3.64	50.8617	0.757	1.488	ug/L
|	U	238	1439110.039	4.43	52.0449	0.376	0.723	ug/L
⌊>	Bi	209	325122.164	325122.16				ug/L

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Na	23	22321285.267	148.22	5.0769	0.073	1.432	mg/L	
Mg	24	15278965.195	101.63	5.0554	0.071	1.396	mg/L	
K	39	30562555.758	201.26	5.2420	0.121	2.309	mg/L	
Ca	43	74372.970	0.49	5.2471	0.073	1.387	mg/L	
Fe	54	2662577.853	17.37	5.4357	0.065	1.202	mg/L	
Fe	57	1123765.416	7.44	5.4241	0.063	1.161	mg/L	
Sc-1	45	150355.439	150355.44				mg/L	
Cl	35	12456.421	176.88				mg/L	
Kr	83	58.001	-6.67				mg/L	
Br	81	7642.920	-26.69				mg/L	
P	31	7117.869	-4144.49				mg/L	
S	34	139097.794	-3726.37				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	98.009				
Cr	52	98.465				
Cr	53					
Mn	55	102.156				
Co	59	102.706				
Ni	60	101.131				
Cu	65	102.219				
Zn	66	103.112				
Ge	72		96.461			
As	75	104.189				
Se	77					
Se	82	108.877				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	102.613				
Cd	114	105.232				
In	115		94.455			
Sn	118					
Sb	123	101.977				
Ba	135	101.819				
Ce	140					
Tb	159		93.751			
Ho	165					
Tl	203	100.594				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.723				
U	238	104.090				
Bi	209		92.251			
Na	23					

Sample ID: QC Std 6
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 13:40:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18083.008	-0.00				ug/L
|	Be	9	12.000	0.00	0.0103	0.001	10.963	ug/L
|	Al	27	1716.814	-0.01	-0.2456	0.017	6.786	ug/L
⌊>	Sc	45	161036.902	161036.90				ug/L
⌈	Ti	49	33.337	0.00	-0.0944	0.044	46.373	ug/L
|	V	51	2534.783	0.00	-0.0003	0.008	2684.507	ug/L
|	Cr	52	8811.636	0.00	0.0227	0.016	68.575	ug/L
|	Cr	53	293.367	0.00	0.0097	0.066	681.525	ug/L
|	Mn	55	362.344	-0.00	-0.0351	0.001	1.671	ug/L
|	Co	59	118.335	-0.00	-0.0185	0.001	5.548	ug/L
|	Ni	60	53.334	-0.00	-0.0185	0.003	13.826	ug/L
|	Cu	65	72.334	0.00	-0.0151	0.002	14.565	ug/L
|	Zn	66	177.670	-0.00	-1.0887	0.023	2.155	ug/L
|>	Ge	72	324251.286	324251.29				ug/L
|	As	75	-147.812	0.00	0.0346	0.015	43.882	ug/L
|	Se	77	56.667	-0.00	-0.0948	0.129	136.068	ug/L
|	Se	82	11.490	0.00	0.0640	0.135	211.473	ug/L
⌊	Rb	85	23.000	0.00				mg/L
	Y	89	229022.935	-487.26				ug/L
	Rh	103	9.333	-4.00				ug/L
⌈	Mo	98	156.797	0.00	0.0414	0.010	23.012	ug/L
|	Ag	107	75.001	0.00	0.0143	0.002	12.432	ug/L
|	Cd	114	5.599	0.00	-0.0154	0.003	17.636	ug/L
|>	In	115	322446.851	322446.85				ug/L
|	Sn	118	319.338	0.00	0.0265	0.006	21.073	ug/L
⌊	Sb	123	151.287	0.00	0.0419	0.006	13.333	ug/L
⌈	Ba	135	25.334	0.00	-0.0122	0.005	39.237	ug/L
|	Ce	140	26.669	-0.00				ug/L
⌊>	Tb	159	396384.916	396384.92				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	55.334	0.00	0.0134	0.001	9.483	ug/L
|	Tl	205	173.352	0.00	0.0120	0.000	3.836	ug/L
|	Pb	206	295.674	0.00	-0.0040	0.003	74.062	ug/L
|	Pb	207	278.673	0.00	0.0090	0.004	43.636	ug/L
|	Pb	208	1199.707	0.00	0.0038	0.000	11.695	ug/L
|	U	238	116.669	0.00	0.0119	0.000	3.819	ug/L
⌊>	Bi	209	336434.460	336434.46				ug/L

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⌈	Na	23	26541.200	-0.07	-0.0029	0.000	8.691	mg/L
|	Mg	24	883.463	-0.00	-0.0025	0.000	2.630	mg/L
|	K	39	368088.179	0.25	-0.0004	0.002	371.338	mg/L
|	Ca	43	190.021	0.00	-0.0011	0.002	181.317	mg/L
|	Fe	54	56500.913	0.02	-0.0022	0.006	258.072	mg/L
|	Fe	57	6362.660	0.01	0.0020	0.001	49.135	mg/L
⌊>	Sc-1	45	161036.902	161036.90				mg/L
	Cl	35	13007.790	728.25				mg/L
	Kr	83	58.667	-6.00				mg/L
	Br	81	7863.092	193.49				mg/L
	P	31	11104.164	-158.20				mg/L
	S	34	153911.869	11087.70				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
\>	Ge	72		98.622			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
\>	In	115		98.512			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.728			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.461			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 13:42:58

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Thursday, March 31, 2011 13:47:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17865.964	-0.00				ug/L
|	Be	9	8.667	-0.00	0.0002	0.004	2306.278	ug/L
|	Al	27	3367.235	0.00	0.1054	0.060	56.799	ug/L
⌊>	Sc	45	154061.743	154061.74				ug/L
⌈	Ti	49	40.004	0.00	-0.0806	0.033	41.483	ug/L
|	V	51	5777.391	0.01	0.3911	0.007	1.713	ug/L
|	Cr	52	13921.824	0.02	0.7460	0.023	3.106	ug/L
|	Cr	53	920.135	0.00	0.7570	0.143	18.862	ug/L
|	Mn	55	6070.903	0.02	0.4750	0.001	0.313	ug/L
|	Co	59	3681.048	0.01	0.3898	0.010	2.641	ug/L
|	Ni	60	3105.180	0.01	1.6457	0.020	1.237	ug/L
|	Cu	65	1638.817	0.00	0.8172	0.009	1.073	ug/L
|	Zn	66	7477.536	0.02	5.3831	0.091	1.689	ug/L
|>	Ge	72	319710.912	319710.91				ug/L
|	As	75	278.624	0.00	0.4302	0.026	6.098	ug/L
|	Se	77	101.334	0.00	0.4381	0.061	13.988	ug/L
|	Se	82	53.172	0.00	0.4740	0.253	53.271	ug/L
⌊	Rb	85	31.334	0.00				mg/L
	Y	89	223332.050	-6178.14				ug/L
	Rh	103	12.333	-1.00				ug/L
⌈	Mo	98	74.316	-0.00	0.0147	0.002	15.346	ug/L
|	Ag	107	2593.696	0.01	0.4255	0.004	0.912	ug/L
|	Cd	114	265.818	0.00	0.1917	0.017	8.797	ug/L
|>	In	115	312074.894	312074.89				ug/L
|	Sn	118	144.534	-0.00	-0.0092	0.002	17.074	ug/L
⌊	Sb	123	1736.949	0.01	0.4317	0.009	2.062	ug/L
⌈	Ba	135	1245.090	0.00	0.7232	0.035	4.811	ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	384564.819	384564.82				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	597.357	0.00	0.0923	0.002	1.745	ug/L
|	Tl	205	1223.531	0.00	0.0743	0.005	6.093	ug/L
|	Pb	206	2498.004	0.01	0.3938	0.013	3.279	ug/L
|	Pb	207	2317.625	0.01	0.4030	0.008	2.003	ug/L
|	Pb	208	10413.251	0.03	0.4024	0.005	1.162	ug/L
|	U	238	11149.324	0.03	0.4115	0.005	1.124	ug/L
⌊>	Bi	209	324717.461	324717.46				ug/L

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Na	23	8224.206	-0.18	-0.0067	0.000	0.708	mg/L	
Mg	24	330.038	-0.01	-0.0027	0.000	0.172	mg/L	
K	39	350491.056	0.24	-0.0007	0.002	311.180	mg/L	
Ca	43	166.685	0.00	-0.0020	0.005	223.948	mg/L	
Fe	54	35324.285	-0.11	-0.0404	0.003	7.012	mg/L	
Fe	57	5788.921	0.00	0.0006	0.001	116.381	mg/L	
Sc-1	45	154061.743	154061.74				mg/L	
Cl	35	11576.030	-703.51				mg/L	
Kr	83	57.001	-7.67				mg/L	
Br	81	7513.490	-156.12				mg/L	
P	31	6773.634	-4488.73				mg/L	
S	34	132528.150	-10296.01				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	97.772				
Cr	52	93.247				
Cr	53					
Mn	55	94.995				
Co	59	97.450				
Ni	60	102.856				
Cu	65	102.155				
Zn	66	86.130				
Ge	72		97.241			
As	75	107.561				
Se	77					
Se	82	118.509				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	106.375				
Cd	114	95.844				
In	115		95.343			
Sn	118					
Sb	123	107.920				
Ba	135	96.427				
Ce	140					
Tb	159		93.844			
Ho	165					
Tl	203	115.360				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.608				
U	238	102.873				
Bi	209		92.137			
Na	23					

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 13:50:08

Approved: April 01, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 13:50:08
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Method 6020 - Summary Report

Sample ID: PBS 76 WG359447-02

Sample Date/Time: Thursday, March 31, 2011 13:56:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 29
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18684.110	-0.01				ug/L
|	Be	9	10.000	0.00	0.0019	0.012	627.362	ug/L
|	Al	27	16580.401	0.08	2.4799	0.083	3.340	ug/L
⌊>	Sc	45	169559.667	169559.67				ug/L
⌈	Ti	49	50.005	0.00	-0.0642	0.032	49.933	ug/L
|	V	51	2610.562	0.00	0.0048	0.018	361.859	ug/L
|	Cr	52	9639.074	0.00	0.1190	0.033	27.622	ug/L
|	Cr	53	333.373	0.00	0.0515	0.105	203.041	ug/L
|	Mn	55	988.059	0.00	0.0189	0.003	15.274	ug/L
|	Co	59	115.002	-0.00	-0.0191	0.001	4.380	ug/L
|	Ni	60	123.669	0.00	0.0185	0.010	54.079	ug/L
|	Cu	65	140.002	0.00	0.0194	0.005	26.232	ug/L
|	Zn	66	3143.192	0.01	1.4680	0.029	1.996	ug/L
|>	Ge	72	328393.923	328393.92				ug/L
|	As	75	-172.541	-0.00	0.0138	0.012	86.412	ug/L
|	Se	77	68.667	-0.00	0.0341	0.042	122.844	ug/L
|	Se	82	6.791	0.00	0.0183	0.101	548.178	ug/L
⌊	Rb	85	79.334	0.00				mg/L
	Y	89	234740.291	5230.10				ug/L
	Rh	103	11.667	-1.67				ug/L
⌈	Mo	98	46.425	-0.00	0.0046	0.001	13.330	ug/L
|	Ag	107	162.670	0.00	0.0281	0.002	6.729	ug/L
|	Cd	114	-2.205	-0.00	-0.0214	0.004	20.937	ug/L
|>	In	115	323318.285	323318.28				ug/L
|	Sn	118	136.134	-0.00	-0.0121	0.002	13.757	ug/L
⌊	Sb	123	80.115	-0.00	0.0250	0.003	10.217	ug/L
⌈	Ba	135	51.667	0.00	0.0030	0.003	107.273	ug/L
|	Ce	140	60.006	0.00				ug/L
⌊>	Tb	159	399339.109	399339.11				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	31.000	0.00	0.0099	0.001	8.248	ug/L
|	Tl	205	53.339	0.00	0.0051	0.002	35.676	ug/L
|	Pb	206	304.674	0.00	-0.0030	0.002	72.157	ug/L
|	Pb	207	284.007	0.00	0.0095	0.003	27.312	ug/L
|	Pb	208	1257.044	0.00	0.0058	0.001	18.291	ug/L
|	U	238	26.667	-0.00	0.0088	0.000	3.715	ug/L
⌊>	Bi	209	339325.476	339325.48				ug/L

Approved: April 01, 2011

Na	23	96230.451	0.33	0.0109	0.000	4.025	mg/L
Mg	24	5755.565	0.03	-0.0011	0.000	6.674	mg/L
K	39	381263.175	0.22	-0.0014	0.002	114.424	mg/L
Ca	43	310.036	0.00	0.0058	0.001	22.197	mg/L
Fe	54	70427.369	0.08	0.0180	0.005	30.345	mg/L
Fe	57	7016.497	0.01	0.0034	0.002	47.969	mg/L
Sc-1	45	169559.667	169559.67				mg/L
Cl	35	14015.818	1736.28				mg/L
Kr	83	62.334	-2.33				mg/L
Br	81	10213.886	2544.28				mg/L
P	31	13300.845	2038.48				mg/L
S	34	134641.908	-8182.26				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		99.882			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		98.778			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		97.449			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		96.282			
Na	23					

Sample ID: PBS 76 WG359447-02
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 76 WG359447-02
Report Date/Time: Thursday, March 31, 2011 13:58:45
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Method 6020 - Summary Report

Sample ID: LCSS 76 WG359447-03

Sample Date/Time: Thursday, March 31, 2011 14:03:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 30
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18099.773	-0.01				ug/L
|	Be	9	7084.509	0.04	23.5147	1.166	4.960	ug/L
|	Al	27	142745.898	0.84	26.2889	2.159	8.212	ug/L
⌊>	Sc	45	166544.797	166544.80				ug/L
⌈	Ti	49	130.014	0.00	0.0878	0.086	97.879	ug/L
|	V	51	217749.364	0.66	25.1978	0.820	3.256	ug/L
|	Cr	52	198088.751	0.58	25.6618	0.795	3.097	ug/L
|	Cr	53	23098.962	0.07	26.5049	1.121	4.229	ug/L
|	Mn	55	298457.298	0.91	26.0557	0.595	2.283	ug/L
|	Co	59	232458.846	0.71	26.0836	0.948	3.635	ug/L
|	Ni	60	49424.666	0.15	26.3720	0.636	2.413	ug/L
|	Cu	65	49771.388	0.15	25.8634	0.792	3.063	ug/L
|	Zn	66	31774.055	0.10	26.3689	0.919	3.483	ug/L
| >	Ge	72	326191.899	326191.90				ug/L
|	As	75	26461.270	0.08	24.3547	0.237	0.973	ug/L
|	Se	77	2081.550	0.01	23.1908	0.385	1.660	ug/L
|	Se	82	2448.798	0.01	23.4663	0.618	2.633	ug/L
⌊	Rb	85	56.334	0.00				mg/L
	Y	89	231400.027	1889.84				ug/L
	Rh	103	29.000	15.67				ug/L
⌈	Mo	98	59.087	-0.00	0.0088	0.002	25.172	ug/L
|	Ag	107	145987.059	0.45	23.0691	0.449	1.946	ug/L
|	Cd	114	32004.849	0.10	24.6380	0.683	2.772	ug/L
| >	In	115	322209.223	322209.22				ug/L
|	Sn	118	305.871	0.00	0.0238	0.004	15.248	ug/L
⌊	Sb	123	102223.105	0.32	24.2715	0.537	2.211	ug/L
⌈	Ba	135	42648.183	0.11	25.2963	0.662	2.619	ug/L
|	Ce	140	70.007	0.00				ug/L
⌊>	Tb	159	390278.829	390278.83				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	176995.554	0.53	24.9270	0.366	1.469	ug/L
|	Tl	205	434567.817	1.30	24.9018	0.258	1.035	ug/L
|	Pb	206	150258.418	0.45	26.1731	0.168	0.643	ug/L
|	Pb	207	131750.904	0.39	24.5570	0.232	0.944	ug/L
|	Pb	208	613681.707	1.83	25.6085	0.180	0.702	ug/L
|	U	238	707688.275	2.12	24.8818	0.485	1.950	ug/L
⌊>	Bi	209	334544.308	334544.31				ug/L

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⌈	Na	23	40679.970	0.01	-0.0002	0.000	247.897	mg/L
|	Mg	24	12355.534	0.07	0.0009	0.000	19.800	mg/L
|	K	39	380236.686	0.25	-0.0005	0.002	483.969	mg/L
|	Ca	43	440.054	0.00	0.0144	0.006	43.784	mg/L
|	Fe	54	66699.682	0.07	0.0136	0.009	67.899	mg/L
|	Fe	57	7193.309	0.01	0.0047	0.001	18.826	mg/L
⌊>	Sc-1	45	166544.797	166544.80				mg/L
	Cl	35	19768.860	7489.32				mg/L
	Kr	83	62.334	-2.33				mg/L
	Br	81	8468.918	799.31				mg/L
	P	31	12857.600	1595.24				mg/L
	S	34	144901.855	2077.69				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.212			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.439			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.238			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.925			
⌈	Na	23					

Sample ID: LCSS 76 WG359447-03
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 76 WG359447-03
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Method 6020 - Summary Report

Sample ID: L1103050214

Sample Date/Time: Thursday, March 31, 2011 14:10:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 31
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19168.396	0.00				ug/L
|	Be	9	78.667	0.00	0.2412	0.029	12.012	ug/L
|	Al	27	15167147.197	94.86	2965.8834	13.029	0.439	ug/L
⌊>	Sc	45	159850.984	159850.98				ug/L
⌈	Ti	49	2403.863	0.01	4.3794	0.259	5.917	ug/L
|	V	51	50485.872	0.15	5.6467	0.090	1.586	ug/L
|	Cr	52	33332.796	0.08	3.3648	0.037	1.110	ug/L
|	Cr	53	3340.892	0.01	3.5707	0.141	3.959	ug/L
|	Mn	55	1236777.897	3.81	108.8243	3.297	3.030	ug/L
|	Co	59	24089.902	0.07	2.6900	0.085	3.155	ug/L
|	Ni	60	14986.372	0.05	8.0107	0.146	1.821	ug/L
|	Cu	65	8882.034	0.03	4.5988	0.160	3.472	ug/L
|	Zn	66	18943.784	0.06	15.3132	0.243	1.585	ug/L
|>	Ge	72	324189.383	324189.38				ug/L
|	As	75	1781.759	0.01	1.8086	0.056	3.075	ug/L
|	Se	77	92.000	0.00	0.3140	0.064	20.314	ug/L
|	Se	82	25.719	0.00	0.2015	0.070	34.746	ug/L
⌊	Rb	85	45840.303	0.14				mg/L
	Y	89	268476.198	38966.01				ug/L
	Rh	103	24.667	11.33				ug/L
⌈	Mo	98	173.542	0.00	0.0478	0.002	4.058	ug/L
|	Ag	107	203.004	0.00	0.0350	0.001	3.164	ug/L
|	Cd	114	36.554	0.00	0.0089	0.007	77.119	ug/L
|>	In	115	317421.906	317421.91				ug/L
|	Sn	118	104.401	-0.00	-0.0184	0.001	4.259	ug/L
⌊	Sb	123	50.028	-0.00	0.0181	0.001	7.550	ug/L
⌈	Ba	135	69422.993	0.18	40.9756	1.522	3.713	ug/L
|	Ce	140	318204.859	0.81				ug/L
⌊>	Tb	159	392294.839	392294.84				ug/L
⌈	Ho	165	2784.001	0.01				ug/L
|	Tl	203	390.345	0.00	0.0603	0.002	2.599	ug/L
|	Tl	205	856.790	0.00	0.0510	0.008	15.322	ug/L
|	Pb	206	22722.023	0.07	3.8925	0.170	4.379	ug/L
|	Pb	207	18986.539	0.06	3.4850	0.132	3.792	ug/L
|	Pb	208	89953.162	0.26	3.6963	0.127	3.439	ug/L
|	U	238	6971.166	0.02	0.2516	0.007	2.750	ug/L
⌊>	Bi	209	336267.484	336267.48				ug/L

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Na	23	437584.235	2.50	0.0852	0.003	3.782	mg/L	
Mg	24	9192177.142	57.51	2.8596	0.046	1.625	mg/L	
K	39	6438665.022	38.26	0.9908	0.040	4.049	mg/L	
Ca	43	141369.746	0.88	9.3931	0.248	2.638	mg/L	
Fe	54	2865283.057	17.60	5.5061	0.278	5.054	mg/L	
Fe	57	1218688.637	7.59	5.5354	0.202	3.655	mg/L	
> Sc-1	45	159850.984	159850.98				mg/L	
Cl	35	14400.362	2120.82				mg/L	
Kr	83	70.668	6.00				mg/L	
Br	81	7945.159	275.55				mg/L	
P	31	63218.566	51956.20				mg/L	
S	34	145987.975	3163.81				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.603			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		96.977			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.730			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		95.414			
Na	23					

Sample ID: L1103050214
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1103050214
Report Date/Time: Thursday, March 31, 2011 14:12:59
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050215

Sample Date/Time: Thursday, March 31, 2011 14:17:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 32
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18300.080	-0.00				ug/L
|	Be	9	100.001	0.00	0.3091	0.017	5.383	ug/L
|	Al	27	27301760.682	167.93	5250.5114	58.014	1.105	ug/L
⌊>	Sc	45	162577.874	162577.87				ug/L
⌈	Ti	49	4631.536	0.01	8.7329	0.315	3.613	ug/L
|	V	51	73265.860	0.22	8.4752	0.275	3.243	ug/L
|	Cr	52	47744.860	0.12	5.4384	0.135	2.475	ug/L
|	Cr	53	4804.969	0.01	5.3771	0.329	6.127	ug/L
|	Mn	55	1461204.078	4.58	130.7596	5.212	3.986	ug/L
|	Co	59	24372.251	0.08	2.7680	0.079	2.837	ug/L
|	Ni	60	12734.564	0.04	6.9147	0.104	1.509	ug/L
|	Cu	65	10292.397	0.03	5.4276	0.084	1.556	ug/L
|	Zn	66	29011.314	0.09	24.5389	0.528	2.153	ug/L
|>	Ge	72	318865.252	318865.25				ug/L
|	As	75	1703.837	0.01	1.7635	0.058	3.262	ug/L
|	Se	77	103.334	0.00	0.4642	0.253	54.524	ug/L
|	Se	82	23.708	0.00	0.1861	0.008	4.066	ug/L
⌊	Rb	85	78066.376	0.24				mg/L
	Y	89	270791.380	41281.19				ug/L
	Rh	103	33.000	19.67				ug/L
⌈	Mo	98	228.726	0.00	0.0686	0.004	6.273	ug/L
|	Ag	107	278.007	0.00	0.0482	0.002	4.305	ug/L
|	Cd	114	73.527	0.00	0.0393	0.008	19.142	ug/L
|>	In	115	309055.440	309055.44				ug/L
|	Sn	118	173.868	0.00	-0.0025	0.001	20.801	ug/L
⌊	Sb	123	41.362	-0.00	0.0163	0.003	18.630	ug/L
⌈	Ba	135	118372.756	0.31	71.9434	1.335	1.856	ug/L
|	Ce	140	406237.559	1.07				ug/L
⌊>	Tb	159	381049.446	381049.45				ug/L
⌈	Ho	165	3657.702	0.01				ug/L
|	Tl	203	544.020	0.00	0.0836	0.005	5.453	ug/L
|	Tl	205	1310.217	0.00	0.0785	0.004	5.027	ug/L
|	Pb	206	36970.588	0.11	6.5154	0.076	1.165	ug/L
|	Pb	207	30762.561	0.09	5.8050	0.101	1.739	ug/L
|	Pb	208	144963.673	0.44	6.1240	0.059	0.962	ug/L
|	U	238	10702.501	0.03	0.3908	0.011	2.766	ug/L
⌊>	Bi	209	328567.233	328567.23				ug/L

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Na	23	769593.196	4.50	0.1536	0.004	2.586	mg/L	
Mg	24	9702953.942	59.68	2.9680	0.042	1.407	mg/L	
K	39	11994635.024	71.75	1.8642	0.032	1.709	mg/L	
Ca	43	189206.030	1.16	12.3620	0.226	1.825	mg/L	
Fe	54	3657679.551	22.17	6.9384	0.215	3.091	mg/L	
Fe	57	1549418.441	9.50	6.9250	0.082	1.188	mg/L	
Sc-1	45	162577.874	162577.87				mg/L	
Cl	35	17284.265	5004.73				mg/L	
Kr	83	72.001	7.33				mg/L	
Br	81	9369.726	1700.12				mg/L	
P	31	91278.110	80015.75				mg/L	
S	34	144075.360	1251.20				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.984			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		94.421			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		92.986			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		93.229			
Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050216

Sample Date/Time: Thursday, March 31, 2011 14:25:03
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18667.444	-0.00				ug/L
|	Be	9	121.334	0.00	0.3763	0.025	6.672	ug/L
|	Al	27	30430833.865	184.98	5783.4726	338.849	5.859	ug/L
⌊>	Sc	45	164594.284	164594.28				ug/L
⌈	Ti	49	6926.424	0.02	13.0348	0.249	1.913	ug/L
|	V	51	80679.950	0.24	9.2876	0.141	1.516	ug/L
|	Cr	52	52362.933	0.14	6.0225	0.108	1.793	ug/L
|	Cr	53	5338.626	0.02	5.9626	0.316	5.291	ug/L
|	Mn	55	1414765.923	4.40	125.5943	0.495	0.394	ug/L
|	Co	59	23606.403	0.07	2.6593	0.057	2.143	ug/L
|	Ni	60	11979.958	0.04	6.4521	0.108	1.670	ug/L
|	Cu	65	10749.896	0.03	5.6246	0.268	4.763	ug/L
|	Zn	66	29423.872	0.09	24.6993	0.474	1.917	ug/L
|>	Ge	72	321328.049	321328.05				ug/L
|	As	75	1696.909	0.01	1.7449	0.045	2.578	ug/L
|	Se	77	105.334	0.00	0.4817	0.293	60.832	ug/L
|	Se	82	27.748	0.00	0.2248	0.125	55.624	ug/L
⌊	Rb	85	84406.242	0.26				mg/L
	Y	89	270078.867	40568.68				ug/L
	Rh	103	24.334	11.00				ug/L
⌈	Mo	98	248.056	0.00	0.0744	0.005	6.810	ug/L
|	Ag	107	287.674	0.00	0.0493	0.004	8.496	ug/L
|	Cd	114	76.033	0.00	0.0408	0.017	42.485	ug/L
|>	In	115	312520.741	312520.74				ug/L
|	Sn	118	121.334	-0.00	-0.0143	0.000	1.296	ug/L
⌊	Sb	123	39.157	-0.00	0.0156	0.002	12.716	ug/L
⌈	Ba	135	115756.275	0.30	69.1117	0.727	1.052	ug/L
|	Ce	140	380725.615	0.98				ug/L
⌊>	Tb	159	387892.901	387892.90				ug/L
⌈	Ho	165	3637.692	0.01				ug/L
|	Tl	203	551.021	0.00	0.0834	0.003	3.498	ug/L
|	Tl	205	1260.205	0.00	0.0744	0.001	1.731	ug/L
|	Pb	206	33916.760	0.10	5.8762	0.011	0.195	ug/L
|	Pb	207	28120.435	0.08	5.2175	0.080	1.530	ug/L
|	Pb	208	132986.732	0.39	5.5238	0.046	0.841	ug/L
|	U	238	10277.715	0.03	0.3697	0.004	1.039	ug/L
⌊>	Bi	209	333900.680	333900.68				ug/L

Sample ID: L1103050216
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Na	23	796782.229	4.61	0.1574	0.007	4.239	mg/L
Mg	24	9557564.951	58.10	2.8889	0.089	3.080	mg/L
K	39	13627404.902	80.81	2.1004	0.061	2.886	mg/L
Ca	43	174656.332	1.06	11.2805	0.520	4.608	mg/L
Fe	54	3645013.333	21.82	6.8300	0.242	3.537	mg/L
Fe	57	1580783.717	9.58	6.9814	0.192	2.756	mg/L
> Sc-1	45	164594.284	164594.28				mg/L
Cl	35	18514.463	6234.92				mg/L
Kr	83	67.334	2.67				mg/L
Br	81	8797.203	1127.60				mg/L
P	31	90959.860	79697.50				mg/L
S	34	155620.490	12796.33				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.733			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.479			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.656			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.742			
Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050301

Sample Date/Time: Thursday, March 31, 2011 14:32:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	18600.636	0.00				ug/L
|	Be	9	80.000	0.00	0.2469	0.028	11.180	ug/L
|	Al	27	15434248.029	97.09	3035.4552	104.086	3.429	ug/L
⌊>	Sc	45	158970.595	158970.60				ug/L
⌜	Ti	49	3154.148	0.01	5.8228	0.486	8.338	ug/L
|	V	51	246646.244	0.76	28.8612	0.213	0.738	ug/L
|	Cr	52	28950.471	0.06	2.7834	0.033	1.190	ug/L
|	Cr	53	2797.338	0.01	2.9490	0.109	3.711	ug/L
|	Mn	55	918488.077	2.84	81.1231	0.945	1.165	ug/L
|	Co	59	15378.303	0.05	1.7125	0.002	0.135	ug/L
|	Ni	60	5043.322	0.02	2.6751	0.038	1.434	ug/L
|	Cu	65	6150.619	0.02	3.1811	0.027	0.836	ug/L
|	Zn	66	18956.474	0.06	15.3909	0.179	1.160	ug/L
|>	Ge	72	322893.310	322893.31				ug/L
|	As	75	2754.958	0.01	2.7136	0.107	3.940	ug/L
|	Se	77	719.359	0.00	7.6084	0.521	6.845	ug/L
|	Se	82	831.460	0.00	8.0167	0.186	2.320	ug/L
⌊	Rb	85	60411.560	0.19				mg/L
	Y	89	258384.463	28874.27				ug/L
	Rh	103	19.667	6.33				ug/L
⌜	Mo	98	2264.590	0.01	0.7657	0.005	0.689	ug/L
|	Ag	107	205.004	0.00	0.0358	0.004	12.018	ug/L
|	Cd	114	46.971	0.00	0.0175	0.013	71.785	ug/L
|>	In	115	312990.352	312990.35				ug/L
|	Sn	118	104.001	-0.00	-0.0181	0.003	13.877	ug/L
⌊	Sb	123	38.406	-0.00	0.0155	0.001	8.677	ug/L
⌜	Ba	135	59547.370	0.16	35.9027	0.534	1.489	ug/L
|	Ce	140	346633.302	0.90				ug/L
⌊>	Tb	159	383968.361	383968.36				ug/L
⌜	Ho	165	2767.327	0.01				ug/L
|	Tl	203	668.696	0.00	0.1020	0.005	5.282	ug/L
|	Tl	205	1726.989	0.01	0.1033	0.005	4.359	ug/L
|	Pb	206	52605.204	0.16	9.3367	0.199	2.130	ug/L
|	Pb	207	18540.358	0.06	3.4973	0.034	0.977	ug/L
|	Pb	208	114369.542	0.35	4.8439	0.089	1.848	ug/L
|	U	238	454210.810	1.39	16.3345	0.305	1.868	ug/L
⌊>	Bi	209	327136.943	327136.94				ug/L

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Na	23	548748.393	3.22	0.1097	0.001	1.006	mg/L
Mg	24	3884950.595	24.44	1.2137	0.025	2.082	mg/L
K	39	8900579.286	53.97	1.4005	0.032	2.278	mg/L
Ca	43	82893.780	0.52	5.5322	0.091	1.644	mg/L
Fe	54	2666821.718	16.44	5.1447	0.115	2.238	mg/L
Fe	57	1141044.395	7.15	5.2088	0.077	1.480	mg/L
> Sc-1	45	158970.595	158970.60				mg/L
Cl	35	16616.462	4336.92				mg/L
Kr	83	67.668	3.00				mg/L
Br	81	7943.822	274.22				mg/L
P	31	62935.451	51673.09				mg/L
S	34	145549.086	2724.92				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.209			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.623			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.698			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		92.823			
Na	23					

Sample ID: L1103050301
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050302

Sample Date/Time: Thursday, March 31, 2011 14:39:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 35
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18183.188	0.00				ug/L
|	Be	9	60.000	0.00	0.1819	0.025	13.654	ug/L
|	Al	27	12805164.712	82.09	2566.7231	63.828	2.487	ug/L
⌊>	Sc	45	155990.830	155990.83				ug/L
⌈	Ti	49	3751.079	0.01	7.1293	0.316	4.433	ug/L
|	V	51	42022.459	0.13	4.7940	0.167	3.490	ug/L
|	Cr	52	25190.615	0.05	2.3551	0.082	3.498	ug/L
|	Cr	53	2270.485	0.01	2.3969	0.039	1.638	ug/L
|	Mn	55	947925.567	3.01	85.8150	1.836	2.140	ug/L
|	Co	59	11416.962	0.04	1.2955	0.022	1.690	ug/L
|	Ni	60	4174.247	0.01	2.2625	0.074	3.254	ug/L
|	Cu	65	4549.080	0.01	2.3986	0.057	2.395	ug/L
|	Zn	66	15265.130	0.05	12.4857	0.236	1.887	ug/L
|>	Ge	72	315033.164	315033.16				ug/L
|	As	75	1136.204	0.00	1.2455	0.107	8.598	ug/L
|	Se	77	85.334	0.00	0.2655	0.096	36.209	ug/L
|	Se	82	9.371	0.00	0.0465	0.140	300.809	ug/L
⌊	Rb	85	47681.217	0.15				mg/L
	Y	89	249516.246	20006.06				ug/L
	Rh	103	16.667	3.33				ug/L
⌈	Mo	98	274.951	0.00	0.0855	0.008	8.954	ug/L
|	Ag	107	148.669	0.00	0.0272	0.003	11.275	ug/L
|	Cd	114	63.894	0.00	0.0320	0.006	18.077	ug/L
|>	In	115	306224.338	306224.34				ug/L
|	Sn	118	118.401	-0.00	-0.0144	0.001	5.960	ug/L
⌊	Sb	123	35.529	-0.00	0.0149	0.002	14.482	ug/L
⌈	Ba	135	37463.756	0.10	22.9974	0.347	1.508	ug/L
|	Ce	140	274675.038	0.73				ug/L
⌊>	Tb	159	376978.220	376978.22				ug/L
⌈	Ho	165	2103.765	0.01				ug/L
|	Tl	203	312.341	0.00	0.0503	0.006	12.191	ug/L
|	Tl	205	783.443	0.00	0.0478	0.006	12.831	ug/L
|	Pb	206	19622.767	0.06	3.4286	0.108	3.153	ug/L
|	Pb	207	15962.223	0.05	2.9882	0.060	2.002	ug/L
|	Pb	208	76165.240	0.23	3.1923	0.085	2.670	ug/L
|	U	238	9434.209	0.03	0.3450	0.004	1.222	ug/L
⌊>	Bi	209	328999.830	328999.83				ug/L

Approved: April 01, 2011

Na	23	100250.186	0.41	0.0135	0.001	6.865	mg/L
Mg	24	3239330.129	20.77	1.0313	0.049	4.748	mg/L
K	39	5849730.007	35.48	0.9184	0.036	3.935	mg/L
Ca	43	30365.778	0.19	2.0575	0.109	5.274	mg/L
Fe	54	2050681.417	12.81	4.0073	0.084	2.108	mg/L
Fe	57	873643.331	5.57	4.0583	0.087	2.133	mg/L
Sc-1	45	155990.830	155990.83				mg/L
Cl	35	20052.752	7773.21				mg/L
Kr	83	72.334	7.67				mg/L
Br	81	7534.838	-134.77				mg/L
P	31	43478.386	32216.02				mg/L
S	34	126309.126	-16515.04				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		95.818			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		93.556			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		91.993			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		93.352			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103050302
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050303

Sample Date/Time: Thursday, March 31, 2011 14:46:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19569.299	0.01				ug/L
|	Be	9	63.334	0.00	0.1924	0.013	6.587	ug/L
|	Al	27	11609742.311	74.12	2317.5875	124.219	5.360	ug/L
⌊>	Sc	45	156668.684	156668.68				ug/L
⌈	Ti	49	2373.853	0.01	4.2947	0.200	4.662	ug/L
|	V	51	37892.316	0.11	4.1359	0.122	2.953	ug/L
|	Cr	52	23207.131	0.05	1.9657	0.006	0.303	ug/L
|	Cr	53	2020.406	0.01	2.0131	0.061	3.030	ug/L
|	Mn	55	946022.665	2.90	82.7011	1.838	2.223	ug/L
|	Co	59	11181.695	0.03	1.2237	0.010	0.786	ug/L
|	Ni	60	4036.189	0.01	2.1097	0.048	2.278	ug/L
|	Cu	65	4359.995	0.01	2.2161	0.055	2.466	ug/L
|	Zn	66	15000.398	0.05	11.7853	0.218	1.853	ug/L
|>	Ge	72	326158.611	326158.61				ug/L
|	As	75	1183.501	0.00	1.2521	0.025	1.995	ug/L
|	Se	77	82.667	0.00	0.2007	0.080	39.792	ug/L
|	Se	82	23.484	0.00	0.1778	0.168	94.534	ug/L
⌊	Rb	85	42773.427	0.13				mg/L
	Y	89	251112.110	21601.92				ug/L
	Rh	103	13.333	0.00				ug/L
⌈	Mo	98	221.132	0.00	0.0644	0.005	8.265	ug/L
|	Ag	107	155.003	0.00	0.0275	0.002	7.582	ug/L
|	Cd	114	39.229	0.00	0.0111	0.006	55.965	ug/L
|>	In	115	315483.801	315483.80				ug/L
|	Sn	118	141.068	-0.00	-0.0103	0.007	69.392	ug/L
⌊	Sb	123	31.574	-0.00	0.0137	0.001	9.755	ug/L
⌈	Ba	135	37090.064	0.10	22.2733	0.554	2.489	ug/L
|	Ce	140	268511.123	0.70				ug/L
⌊>	Tb	159	385282.461	385282.46				ug/L
⌈	Ho	165	2200.462	0.01				ug/L
|	Tl	203	276.007	0.00	0.0440	0.004	10.012	ug/L
|	Tl	205	790.111	0.00	0.0468	0.005	11.048	ug/L
|	Pb	206	19158.208	0.06	3.2444	0.102	3.152	ug/L
|	Pb	207	15499.494	0.04	2.8128	0.046	1.643	ug/L
|	Pb	208	73626.227	0.21	2.9910	0.059	1.977	ug/L
|	U	238	9387.499	0.03	0.3334	0.005	1.426	ug/L
⌊>	Bi	209	338998.672	338998.67				ug/L

Approved: April 01, 2011

Na	23	95802.928	0.38	0.0124	0.001	6.330	mg/L
Mg	24	3107678.680	19.82	0.9842	0.036	3.690	mg/L
K	39	5331594.055	32.02	0.8280	0.034	4.155	mg/L
Ca	43	30987.785	0.20	2.0899	0.091	4.332	mg/L
Fe	54	1988834.322	12.37	3.8686	0.166	4.279	mg/L
Fe	57	838148.645	5.32	3.8768	0.102	2.618	mg/L
Sc-1	45	156668.684	156668.68				mg/L
Cl	35	14736.184	2456.65				mg/L
Kr	83	59.334	-5.33				mg/L
Br	81	7718.979	49.37				mg/L
P	31	44608.039	33345.68				mg/L
S	34	129721.993	-13102.17				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		99.202			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		96.385			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		94.019			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		96.189			
Na	23					

Sample ID: L1103050303
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103050303
Report Date/Time: Thursday, March 31, 2011 14:48:35
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050303PS WG360149-03

Sample Date/Time: Thursday, March 31, 2011 14:53:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 37
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18734.209	0.00				ug/L
|	Be	9	19700.434	0.13	70.1253	18.602	26.527	ug/L
|	Al	27	10932099.911	70.70	2210.5712	73.034	3.304	ug/L
⌊>	Sc	45	154636.828	154636.83				ug/L
⌈	Ti	49	2360.515	0.01	4.3725	0.270	6.165	ug/L
|	V	51	555723.111	1.73	66.0833	17.037	25.781	ug/L
|	Cr	52	475413.717	1.46	64.5389	17.495	27.108	ug/L
|	Cr	53	54598.461	0.17	64.3666	17.306	26.887	ug/L
|	Mn	55	1624100.805	5.09	145.1456	16.703	11.508	ug/L
|	Co	59	578770.176	1.81	66.2953	17.207	25.955	ug/L
|	Ni	60	124878.095	0.39	68.0586	17.414	25.586	ug/L
|	Cu	65	127840.838	0.40	67.8583	17.418	25.668	ug/L
|	Zn	66	93896.273	0.29	82.0188	19.071	23.252	ug/L
| >	Ge	72	318890.778	318890.78				ug/L
|	As	75	76476.231	0.24	71.4952	18.817	26.319	ug/L
|	Se	77	6514.891	0.02	75.7101	19.683	25.998	ug/L
|	Se	82	7884.791	0.02	77.2022	19.339	25.050	ug/L
⌊	Rb	85	40829.592	0.13				mg/L
	Y	89	246109.507	16599.32				ug/L
	Rh	103	45.667	32.33				ug/L
⌈	Mo	98	241.877	0.00	0.0730	0.006	7.611	ug/L
|	Ag	107	421006.426	1.36	69.2586	18.922	27.321	ug/L
|	Cd	114	85807.498	0.28	68.8070	18.995	27.607	ug/L
| >	In	115	309762.703	309762.70				ug/L
|	Sn	118	166.935	0.00	-0.0041	0.003	65.274	ug/L
⌊	Sb	123	274558.148	0.89	67.8564	18.532	27.311	ug/L
⌈	Ba	135	141229.061	0.37	86.2530	16.742	19.411	ug/L
|	Ce	140	259423.297	0.68				ug/L
⌊>	Tb	159	378829.521	378829.52				ug/L
⌈	Ho	165	1780.336	0.01				ug/L
|	Tl	203	465607.898	1.40	65.8390	16.711	25.382	ug/L
|	Tl	205	1137305.911	3.41	65.4448	15.944	24.363	ug/L
|	Pb	206	393094.943	1.18	68.8508	17.761	25.796	ug/L
|	Pb	207	344094.637	1.03	64.4740	16.184	25.102	ug/L
|	Pb	208	1589015.134	4.77	66.6628	16.612	24.920	ug/L
|	U	238	1749040.379	5.25	61.7261	17.015	27.565	ug/L
⌊>	Bi	209	332688.569	332688.57				ug/L

Sample ID: L1103050303PS WG360149-03
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Na	23	93461.247	0.37	0.0121	0.001	5.532	mg/L	
Mg	24	2853225.930	18.45	0.9159	0.029	3.113	mg/L	
K	39	5088286.312	30.88	0.7983	0.019	2.331	mg/L	
Ca	43	28841.083	0.19	1.9700	0.030	1.506	mg/L	
Fe	54	1915427.483	12.05	3.7688	0.046	1.223	mg/L	
Fe	57	789424.685	5.07	3.6971	0.066	1.798	mg/L	
> Sc-1	45	154636.828	154636.83				mg/L	
Cl	35	14917.120	2637.58				mg/L	
Kr	83	68.334	3.67				mg/L	
Br	81	7473.459	-196.15				mg/L	
P	31	40941.029	29678.67				mg/L	
S	34	134243.735	-8580.43				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.991			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.637			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		92.444			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.398			
Na	23					

Sample ID: L1103050303PS WG360149-03
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1103050303PS WG360149-03
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050303SDL WG360149-04

Sample Date/Time: Thursday, March 31, 2011 15:00:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 38
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17732.441	0.00				ug/L
|	Be	9	15.333	0.00	0.0256	0.011	42.396	ug/L
|	Al	27	2112671.788	14.09	440.4555	10.106	2.295	ug/L
⌊>	Sc	45	149780.077	149780.08				ug/L
⌈	Ti	49	443.388	0.00	0.6845	0.120	17.568	ug/L
|	V	51	8652.077	0.02	0.7256	0.014	1.992	ug/L
|	Cr	52	9934.365	0.00	0.1833	0.022	11.825	ug/L
|	Cr	53	413.383	0.00	0.1527	0.050	32.817	ug/L
|	Mn	55	170391.790	0.53	15.0150	0.158	1.049	ug/L
|	Co	59	2029.226	0.01	0.1986	0.008	4.129	ug/L
|	Ni	60	907.717	0.00	0.4436	0.007	1.688	ug/L
|	Cu	65	912.384	0.00	0.4273	0.011	2.517	ug/L
|	Zn	66	4655.130	0.01	2.8467	0.078	2.743	ug/L
|>	Ge	72	322453.600	322453.60				ug/L
|	As	75	127.831	0.00	0.2886	0.047	16.410	ug/L
|	Se	77	87.334	0.00	0.2655	0.074	27.896	ug/L
|	Se	82	18.464	0.00	0.1325	0.144	108.707	ug/L
⌊	Rb	85	7834.813	0.02				mg/L
	Y	89	229564.770	54.58				ug/L
	Rh	103	10.667	-2.67				ug/L
⌈	Mo	98	44.571	-0.00	0.0045	0.002	35.875	ug/L
|	Ag	107	73.334	0.00	0.0144	0.002	14.696	ug/L
|	Cd	114	14.249	0.00	-0.0084	0.003	34.690	ug/L
|>	In	115	312126.673	312126.67				ug/L
|	Sn	118	2501.380	0.01	0.5034	0.015	2.956	ug/L
⌊	Sb	123	345.499	0.00	0.0907	0.004	4.677	ug/L
⌈	Ba	135	6741.005	0.02	4.0487	0.059	1.467	ug/L
|	Ce	140	49614.406	0.13				ug/L
⌊>	Tb	159	383190.027	383190.03				ug/L
⌈	Ho	165	383.380	0.00				ug/L
|	Tl	203	98.668	0.00	0.0196	0.002	10.639	ug/L
|	Tl	205	263.363	0.00	0.0173	0.002	11.479	ug/L
|	Pb	206	3726.732	0.01	0.5982	0.018	3.077	ug/L
|	Pb	207	3065.834	0.01	0.5323	0.015	2.861	ug/L
|	Pb	208	14411.210	0.04	0.5591	0.005	0.808	ug/L
|	U	238	1745.837	0.01	0.0695	0.001	1.335	ug/L
⌊>	Bi	209	333034.058	333034.06				ug/L

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Na	23	41868.365	0.04	0.0010	0.000	36.719	mg/L
Mg	24	604572.993	4.03	0.1981	0.004	2.077	mg/L
K	39	1387921.304	7.23	0.1816	0.005	2.505	mg/L
Ca	43	5235.227	0.03	0.3581	0.005	1.363	mg/L
Fe	54	380563.728	2.20	0.6838	0.001	0.216	mg/L
Fe	57	155126.014	1.00	0.7286	0.005	0.656	mg/L
> Sc-1	45	149780.077	149780.08				mg/L
Cl	35	10926.633	-1352.91				mg/L
Kr	83	61.667	-3.00				mg/L
Br	81	7231.281	-438.33				mg/L
P	31	10300.637	-961.72				mg/L
S	34	120014.185	-22809.98				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.075			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.359			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.508			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.496			
Na	23					

Sample ID: L1103050303SDL WG360149-04
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 15:07:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16613.876	-0.01				ug/L
|	Be	9	15068.679	0.10	52.9076	0.371	0.702	ug/L
|	Al	27	259412.078	1.63	50.9878	2.895	5.679	ug/L
⌊>	Sc	45	157277.174	157277.17				ug/L
⌈	Ti	49	51252.842	0.16	97.1462	1.936	1.993	ug/L
|	V	51	426555.548	1.32	50.2286	0.152	0.302	ug/L
|	Cr	52	378716.155	1.15	50.7404	0.305	0.601	ug/L
|	Cr	53	44325.804	0.14	51.7646	1.327	2.564	ug/L
|	Mn	55	571439.231	1.77	50.5389	0.281	0.556	ug/L
|	Co	59	451043.291	1.40	51.2286	0.560	1.094	ug/L
|	Ni	60	94915.022	0.29	51.2847	0.852	1.662	ug/L
|	Cu	65	97243.158	0.30	51.1742	0.333	0.651	ug/L
|	Zn	66	59455.148	0.18	51.0267	0.317	0.620	ug/L
|>	Ge	72	322284.968	322284.97				ug/L
|	As	75	55604.845	0.17	51.5977	0.535	1.037	ug/L
|	Se	77	4608.395	0.01	52.8841	1.261	2.385	ug/L
|	Se	82	5518.393	0.02	53.5640	0.791	1.477	ug/L
⌊	Rb	85	2260.945	0.01				mg/L
	Y	89	221341.787	-8168.40				ug/L
	Rh	103	35.667	22.33				ug/L
⌈	Mo	98	306748.092	0.96	102.9345	1.625	1.579	ug/L
|	Ag	107	317291.747	0.99	50.5054	0.886	1.754	ug/L
|	Cd	114	67231.152	0.21	52.1548	0.898	1.721	ug/L
|>	In	115	319818.845	319818.85				ug/L
|	Sn	118	236571.186	0.74	50.1792	0.575	1.146	ug/L
⌊	Sb	123	209981.027	0.66	50.2118	0.370	0.738	ug/L
⌈	Ba	135	86552.861	0.22	51.1440	0.445	0.871	ug/L
|	Ce	140	50.005	0.00				ug/L
⌊>	Tb	159	391844.890	391844.89				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	354121.057	1.07	50.2946	0.552	1.097	ug/L
|	Tl	205	890709.767	2.69	51.4749	0.394	0.765	ug/L
|	Pb	206	288176.569	0.87	50.6821	0.442	0.871	ug/L
|	Pb	207	270368.388	0.81	50.8715	0.502	0.987	ug/L
|	Pb	208	1202126.566	3.62	50.6397	0.372	0.736	ug/L
|	U	238	1470449.941	4.43	52.1289	0.444	0.853	ug/L
⌊>	Bi	209	331676.017	331676.02				ug/L

Sample ID: QC Std 6
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Na	23	22930117.213	145.57	4.9859	0.094	1.894	mg/L
Mg	24	15827057.915	100.63	5.0057	0.080	1.594	mg/L
K	39	31583701.741	198.79	5.1776	0.079	1.527	mg/L
Ca	43	76620.088	0.49	5.1672	0.103	2.001	mg/L
Fe	54	2688108.098	16.76	5.2425	0.051	0.966	mg/L
Fe	57	1121830.683	7.10	5.1755	0.043	0.834	mg/L
Sc-1	45	157277.174	157277.17				mg/L
Cl	35	11387.814	-891.72				mg/L
Kr	83	63.668	-1.00				mg/L
Br	81	7592.215	-77.39				mg/L
P	31	7413.426	-3848.94				mg/L
S	34	148338.134	5513.97				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	100.457				
Cr	52	101.481				
Cr	53					
Mn	55	101.078				
Co	59	102.457				
Ni	60	102.569				
Cu	65	102.348				
Zn	66	102.053				
Ge	72		98.024			
As	75	103.195				
Se	77					
Se	82	107.128				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.011				
Cd	114	104.310				
In	115		97.709			
Sn	118					
Sb	123	100.424				
Ba	135	102.288				
Ce	140					
Tb	159		95.620			
Ho	165					
Tl	203	100.589				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.279				
U	238	104.258				
Bi	209		94.111			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 15:09:54

Approved: April 01, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 15:09:54

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 15:14:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18917.884	0.00				ug/L
|	Be	9	14.000	0.00	0.0179	0.027	150.354	ug/L
|	Al	27	2050.216	-0.01	-0.1754	0.103	58.646	ug/L
⌊>	Sc	45	160174.750	160174.75				ug/L
⌈	Ti	49	46.671	0.00	-0.0698	0.022	31.120	ug/L
|	V	51	2668.924	0.00	0.0134	0.006	43.700	ug/L
|	Cr	52	9184.641	0.00	0.0652	0.005	7.770	ug/L
|	Cr	53	253.362	-0.00	-0.0389	0.036	93.345	ug/L
|	Mn	55	388.345	-0.00	-0.0330	0.001	4.376	ug/L
|	Co	59	106.335	-0.00	-0.0200	0.000	0.605	ug/L
|	Ni	60	56.001	-0.00	-0.0172	0.002	12.254	ug/L
|	Cu	65	83.335	0.00	-0.0097	0.001	8.174	ug/L
|	Zn	66	181.337	-0.00	-1.0866	0.018	1.616	ug/L
|>	Ge	72	326422.146	326422.15				ug/L
|	As	75	-123.667	0.00	0.0577	0.025	43.880	ug/L
|	Se	77	69.334	-0.00	0.0456	0.109	238.383	ug/L
|	Se	82	13.136	0.00	0.0795	0.068	85.640	ug/L
⌊	Rb	85	20.667	-0.00				mg/L
	Y	89	231082.635	1572.45				ug/L
	Rh	103	11.333	-2.00				ug/L
⌈	Mo	98	165.094	0.00	0.0431	0.012	27.686	ug/L
|	Ag	107	82.001	0.00	0.0152	0.002	10.024	ug/L
|	Cd	114	2.512	0.00	-0.0178	0.002	11.219	ug/L
|>	In	115	328418.927	328418.93				ug/L
|	Sn	118	308.138	0.00	0.0230	0.007	28.876	ug/L
⌊	Sb	123	252.204	0.00	0.0648	0.007	10.885	ug/L
⌈	Ba	135	22.334	0.00	-0.0139	0.001	8.376	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	395698.995	395699.00				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	54.334	0.00	0.0131	0.000	1.720	ug/L
|	Tl	205	116.679	0.00	0.0086	0.001	8.155	ug/L
|	Pb	206	287.007	-0.00	-0.0064	0.003	49.054	ug/L
|	Pb	207	253.672	-0.00	0.0036	0.004	113.534	ug/L
|	Pb	208	1202.708	0.00	0.0031	0.002	52.702	ug/L
|	U	238	134.002	0.00	0.0124	0.001	6.444	ug/L
⌊>	Bi	209	342108.082	342108.08				ug/L

Sample ID: QC Std 7
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Na	23	27253.145	-0.07	-0.0027	0.000	8.472	mg/L
Mg	24	1036.825	-0.00	-0.0025	0.000	1.114	mg/L
K	39	365291.676	0.25	-0.0005	0.003	567.558	mg/L
Ca	43	233.359	0.00	0.0018	0.001	75.633	mg/L
Fe	54	56349.556	0.02	-0.0019	0.004	198.915	mg/L
Fe	57	6809.665	0.01	0.0042	0.001	34.777	mg/L
> Sc-1	45	160174.750	160174.75				mg/L
Cl	35	11923.105	-356.43				mg/L
Kr	83	61.001	-3.67				mg/L
Br	81	8524.970	855.36				mg/L
P	31	11959.815	697.45				mg/L
S	34	154081.326	11257.16				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		99.282			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		100.336			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.561			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.071			
Na	23					

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 15:16:58
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 15:16:58
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050304

Sample Date/Time: Thursday, March 31, 2011 15:21:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 39
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17849.278	-0.00				ug/L
|	Be	9	45.333	0.00	0.1266	0.010	7.781	ug/L
|	Al	27	6092063.643	38.30	1197.5091	39.539	3.302	ug/L
⌊>	Sc	45	159141.423	159141.42				ug/L
⌈	Ti	49	1526.936	0.00	2.7242	0.147	5.386	ug/L
|	V	51	47097.344	0.14	5.2471	0.018	0.349	ug/L
|	Cr	52	17601.320	0.03	1.2208	0.033	2.671	ug/L
|	Cr	53	1316.886	0.00	1.2063	0.181	15.026	ug/L
|	Mn	55	533570.127	1.64	46.9035	0.374	0.798	ug/L
|	Co	59	8541.398	0.03	0.9331	0.012	1.324	ug/L
|	Ni	60	2902.451	0.01	1.5131	0.060	3.935	ug/L
|	Cu	65	4935.600	0.02	2.5316	0.007	0.283	ug/L
|	Zn	66	15285.831	0.05	12.1144	0.252	2.078	ug/L
|>	Ge	72	324202.861	324202.86				ug/L
|	As	75	1127.902	0.00	1.2076	0.083	6.843	ug/L
|	Se	77	191.335	0.00	1.4625	0.172	11.761	ug/L
|	Se	82	120.052	0.00	1.1128	0.177	15.942	ug/L
⌊	Rb	85	33434.467	0.10				mg/L
	Y	89	242639.541	13129.35				ug/L
	Rh	103	21.000	7.67				ug/L
⌈	Mo	98	956.110	0.00	0.3123	0.006	1.877	ug/L
|	Ag	107	144.002	0.00	0.0255	0.003	11.578	ug/L
|	Cd	114	30.053	0.00	0.0038	0.007	182.771	ug/L
|>	In	115	317490.452	317490.45				ug/L
|	Sn	118	130.534	-0.00	-0.0128	0.002	14.000	ug/L
⌊	Sb	123	75.530	-0.00	0.0243	0.001	2.631	ug/L
⌈	Ba	135	29863.161	0.08	17.8424	0.123	0.692	ug/L
|	Ce	140	197239.817	0.51				ug/L
⌊>	Tb	159	387143.406	387143.41				ug/L
⌈	Ho	165	1486.926	0.00				ug/L
|	Tl	203	256.673	0.00	0.0421	0.002	5.737	ug/L
|	Tl	205	680.092	0.00	0.0414	0.006	14.632	ug/L
|	Pb	206	15379.972	0.05	2.6501	0.007	0.268	ug/L
|	Pb	207	10031.130	0.03	1.8445	0.029	1.554	ug/L
|	Pb	208	50609.062	0.15	2.0860	0.011	0.511	ug/L
|	U	238	82893.990	0.25	2.9436	0.021	0.722	ug/L
⌊>	Bi	209	331964.844	331964.84				ug/L

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Na	23	1170897.887	7.13	0.2439	0.016	6.637	mg/L
Mg	24	2306057.852	14.50	0.7193	0.031	4.256	mg/L
K	39	9195876.280	55.86	1.4498	0.092	6.326	mg/L
Ca	43	46837.534	0.29	3.1184	0.116	3.723	mg/L
Fe	54	1731072.614	10.56	3.3008	0.170	5.157	mg/L
Fe	57	693352.861	4.33	3.1561	0.172	5.452	mg/L
Sc-1	45	159141.423	159141.42				mg/L
Cl	35	37406.545	25127.01				mg/L
Kr	83	71.001	6.33				mg/L
Br	81	8419.548	749.94				mg/L
P	31	107749.395	96487.03				mg/L
S	34	147771.819	4947.65				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		98.607			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		96.998			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		94.473			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		94.193			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103050305

Sample Date/Time: Thursday, March 31, 2011 15:28:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 40
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18650.879	0.00				ug/L
|	Be	9	72.000	0.00	0.2222	0.058	26.199	ug/L
|	Al	27	12706137.109	80.67	2522.2252	54.526	2.162	ug/L
⌊>	Sc	45	157446.789	157446.79				ug/L
⌈	Ti	49	2904.047	0.01	5.3498	0.396	7.406	ug/L
|	V	51	43741.863	0.13	4.8734	0.221	4.525	ug/L
|	Cr	52	24381.966	0.05	2.1589	0.111	5.161	ug/L
|	Cr	53	2207.131	0.01	2.2583	0.155	6.882	ug/L
|	Mn	55	1111666.303	3.44	98.2020	4.783	4.870	ug/L
|	Co	59	12191.899	0.04	1.3511	0.062	4.590	ug/L
|	Ni	60	4400.682	0.01	2.3284	0.146	6.260	ug/L
|	Cu	65	4717.162	0.01	2.4272	0.112	4.624	ug/L
|	Zn	66	15552.272	0.05	12.4026	0.699	5.637	ug/L
|>	Ge	72	322777.012	322777.01				ug/L
|	As	75	1423.060	0.00	1.4844	0.037	2.518	ug/L
|	Se	77	98.667	0.00	0.3950	0.221	55.961	ug/L
|	Se	82	23.737	0.00	0.1838	0.033	18.206	ug/L
⌊	Rb	85	45071.309	0.14				mg/L
	Y	89	253454.673	23944.48				ug/L
	Rh	103	17.667	4.33				ug/L
⌈	Mo	98	249.613	0.00	0.0738	0.008	10.715	ug/L
|	Ag	107	150.003	0.00	0.0266	0.001	4.998	ug/L
|	Cd	114	57.619	0.00	0.0255	0.007	26.013	ug/L
|>	In	115	316483.647	316483.65				ug/L
|	Sn	118	107.201	-0.00	-0.0177	0.001	6.760	ug/L
⌊	Sb	123	70.406	-0.00	0.0231	0.003	12.459	ug/L
⌈	Ba	135	40380.284	0.10	24.0939	1.170	4.856	ug/L
|	Ce	140	292338.508	0.75				ug/L
⌊>	Tb	159	387700.703	387700.70				ug/L
⌈	Ho	165	2143.778	0.01				ug/L
|	Tl	203	296.007	0.00	0.0471	0.003	6.834	ug/L
|	Tl	205	716.764	0.00	0.0429	0.003	6.912	ug/L
|	Pb	206	20177.578	0.06	3.4471	0.235	6.813	ug/L
|	Pb	207	16436.343	0.05	3.0085	0.163	5.411	ug/L
|	Pb	208	78384.927	0.23	3.2123	0.213	6.644	ug/L
|	U	238	9567.344	0.03	0.3422	0.020	5.838	ug/L
⌊>	Bi	209	336603.931	336603.93				ug/L

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Na	23	100880.398	0.40	0.0134	0.001	4.688	mg/L
Mg	24	3201992.193	20.32	1.0087	0.053	5.249	mg/L
K	39	5434157.552	32.48	0.8400	0.032	3.755	mg/L
Ca	43	55013.780	0.35	3.6988	0.238	6.432	mg/L
Fe	54	2151684.280	13.33	4.1683	0.126	3.012	mg/L
Fe	57	907554.974	5.73	4.1761	0.143	3.419	mg/L
Sc-1	45	157446.789	157446.79				mg/L
Cl	35	12044.583	-234.96				mg/L
Kr	83	68.668	4.00				mg/L
Br	81	7955.164	285.56				mg/L
P	31	47707.959	36445.60				mg/L
S	34	138101.974	-4722.19				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		98.173			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		96.690			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		94.609			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		95.509			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103061221 WG359447-01

Sample Date/Time: Thursday, March 31, 2011 15:36:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 41
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19051.542	-0.01				ug/L
|	Be	9	73.334	0.00	0.1996	0.034	17.189	ug/L
|	Al	27	30462681.939	173.74	5432.2365	414.554	7.631	ug/L
⌊>	Sc	45	175750.064	175750.06				ug/L
⌈	Ti	49	94941.370	0.30	181.2891	0.506	0.279	ug/L
|	V	51	204210.364	0.63	24.0509	0.181	0.755	ug/L
|	Cr	52	81847.402	0.23	10.1167	0.077	0.759	ug/L
|	Cr	53	8728.015	0.03	9.9916	0.276	2.762	ug/L
|	Mn	55	2196586.097	6.86	195.7489	2.792	1.427	ug/L
|	Co	59	51596.624	0.16	5.8705	0.023	0.400	ug/L
|	Ni	60	16268.385	0.05	8.8093	0.084	0.953	ug/L
|	Cu	65	19139.827	0.06	10.0956	0.112	1.106	ug/L
|	Zn	66	24515.259	0.08	20.4505	0.040	0.196	ug/L
|>	Ge	72	320172.710	320172.71				ug/L
|	As	75	4520.837	0.01	4.3797	0.070	1.593	ug/L
|	Se	77	84.000	0.00	0.2338	0.272	116.393	ug/L
|	Se	82	-2.012	0.00	-0.0664	0.006	8.934	ug/L
⌊	Rb	85	31652.331	0.10				mg/L
	Y	89	272993.144	43482.95				ug/L
	Rh	103	21.667	8.33				ug/L
⌈	Mo	98	954.251	0.00	0.3204	0.012	3.597	ug/L
|	Ag	107	226.672	0.00	0.0398	0.001	2.088	ug/L
|	Cd	114	28.519	0.00	0.0031	0.009	270.914	ug/L
|>	In	115	309248.530	309248.53				ug/L
|	Sn	118	172.001	0.00	-0.0029	0.003	118.294	ug/L
⌊	Sb	123	77.821	-0.00	0.0253	0.001	2.693	ug/L
⌈	Ba	135	99538.985	0.26	60.3166	1.200	1.989	ug/L
|	Ce	140	248119.037	0.65				ug/L
⌊>	Tb	159	382177.757	382177.76				ug/L
⌈	Ho	165	3694.386	0.01				ug/L
|	Tl	203	370.344	0.00	0.0583	0.002	2.820	ug/L
|	Tl	205	883.461	0.00	0.0532	0.007	13.282	ug/L
|	Pb	206	11672.260	0.03	2.0041	0.055	2.729	ug/L
|	Pb	207	9412.522	0.03	1.7335	0.032	1.849	ug/L
|	Pb	208	44907.697	0.13	1.8514	0.024	1.302	ug/L
|	U	238	10028.126	0.03	0.3641	0.006	1.685	ug/L
⌊>	Bi	209	331004.673	331004.67				ug/L

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⌈	Na	23	860348.056	4.67	0.1594	0.008	5.156	mg/L
|	Mg	24	7273984.712	41.45	2.0607	0.112	5.426	mg/L
|	K	39	4088487.394	21.27	0.5476	0.030	5.539	mg/L
|	Ca	43	28155.742	0.16	1.6929	0.099	5.841	mg/L
|	Fe	54	5747344.278	32.44	10.1575	0.743	7.314	mg/L
|	Fe	57	2465515.984	14.02	10.2239	0.591	5.776	mg/L
⌊>	Sc-1	45	175750.064	175750.06				mg/L
	Cl	35	12246.829	-32.71				mg/L
	Kr	83	78.001	13.33				mg/L
	Br	81	7935.149	265.54				mg/L
	P	31	128568.552	117306.19				mg/L
	S	34	131976.938	-10847.23				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.381			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.480			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.261			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.921			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103061222S WG359447-04

Sample Date/Time: Thursday, March 31, 2011 15:43:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18450.383	-0.01				ug/L
|	Be	9	1553.454	0.01	5.0572	0.100	1.982	ug/L
|	Al	27	35813158.223	212.34	6638.9570	274.712	4.138	ug/L
⌊>	Sc	45	168762.918	168762.92				ug/L
⌈	Ti	49	124648.102	0.40	243.7048	6.596	2.706	ug/L
|	V	51	268698.025	0.85	32.4947	0.436	1.342	ug/L
|	Cr	52	113537.780	0.34	14.8591	0.089	0.600	ug/L
|	Cr	53	12832.861	0.04	15.2008	0.654	4.301	ug/L
|	Mn	55	1965011.036	6.28	179.2361	1.790	0.999	ug/L
|	Co	59	87256.574	0.28	10.1867	0.163	1.597	ug/L
|	Ni	60	21798.623	0.07	12.0998	0.166	1.373	ug/L
|	Cu	65	27530.123	0.09	14.8907	0.239	1.602	ug/L
|	Zn	66	33260.220	0.11	28.8866	0.359	1.241	ug/L
| >	Ge	72	312792.201	312792.20				ug/L
|	As	75	8636.193	0.03	8.4014	0.167	1.984	ug/L
|	Se	77	553.349	0.00	5.8802	0.705	11.996	ug/L
|	Se	82	567.012	0.00	5.6328	0.510	9.057	ug/L
⌊	Rb	85	34273.646	0.11				mg/L
	Y	89	269404.475	39894.28				ug/L
	Rh	103	19.667	6.33				ug/L
⌈	Mo	98	1464.583	0.00	0.5044	0.004	0.763	ug/L
|	Ag	107	27362.666	0.09	4.5671	0.046	1.011	ug/L
|	Cd	114	6477.152	0.02	5.2492	0.188	3.577	ug/L
| >	In	115	305097.363	305097.36				ug/L
|	Sn	118	181.068	0.00	-0.0004	0.001	225.539	ug/L
⌊	Sb	123	798.779	0.00	0.2063	0.003	1.588	ug/L
⌈	Ba	135	79350.103	0.21	48.9239	1.201	2.456	ug/L
|	Ce	140	238853.331	0.64				ug/L
⌊>	Tb	159	375569.842	375569.84				ug/L
⌈	Ho	165	3684.380	0.01				ug/L
|	Tl	203	34464.660	0.10	4.9502	0.125	2.515	ug/L
|	Tl	205	85630.286	0.26	5.0016	0.069	1.389	ug/L
|	Pb	206	39653.532	0.12	6.9978	0.044	0.624	ug/L
|	Pb	207	34554.954	0.10	6.5310	0.058	0.884	ug/L
|	Pb	208	159819.940	0.48	6.7619	0.061	0.908	ug/L
|	U	238	148263.667	0.45	5.3172	0.071	1.337	ug/L
⌊>	Bi	209	328299.769	328299.77				ug/L

Approved: April 01, 2011

⌈	Na	23	831981.705	4.70	0.1604	0.004	2.617	mg/L
|	Mg	24	6179230.265	36.61	1.8195	0.020	1.081	mg/L
|	K	39	4279976.663	23.33	0.6013	0.003	0.486	mg/L
|	Ca	43	22093.256	0.13	1.3793	0.045	3.281	mg/L
|	Fe	54	5897091.149	34.61	10.8372	0.102	0.940	mg/L
|	Fe	57	2548627.249	15.08	10.9940	0.335	3.043	mg/L
⌊>	Sc-1	45	168762.918	168762.92				mg/L
	Cl	35	10947.995	-1331.54				mg/L
	Kr	83	78.334	13.67				mg/L
	Br	81	7713.646	44.04				mg/L
	P	31	118008.586	106746.22				mg/L
	S	34	123236.668	-19587.50				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.136			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.211			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.649			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.153			
⌈	Na	23					

Sample ID: L1103061222S WG359447-04
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103061223SD WG359447-05

Sample Date/Time: Thursday, March 31, 2011 15:50:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 43
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19034.773	-0.00				ug/L
|	Be	9	1620.798	0.01	5.3174	0.417	7.834	ug/L
|	Al	27	32453186.509	193.70	6056.1928	124.797	2.061	ug/L
⌊>	Sc	45	167559.397	167559.40				ug/L
⌈	Ti	49	114968.771	0.37	223.7423	4.682	2.092	ug/L
|	V	51	281117.582	0.89	33.8592	0.869	2.567	ug/L
|	Cr	52	101260.339	0.30	13.0617	0.403	3.084	ug/L
|	Cr	53	11471.059	0.04	13.4945	0.388	2.872	ug/L
|	Mn	55	2329566.565	7.41	211.5616	7.047	3.331	ug/L
|	Co	59	95705.666	0.30	11.1257	0.364	3.270	ug/L
|	Ni	60	22347.510	0.07	12.3510	0.361	2.926	ug/L
|	Cu	65	28444.721	0.09	15.3179	0.616	4.022	ug/L
|	Zn	66	33651.202	0.11	29.1025	0.455	1.563	ug/L
| >	Ge	72	314194.376	314194.38				ug/L
|	As	75	9329.373	0.03	9.0216	0.155	1.717	ug/L
|	Se	77	515.347	0.00	5.4015	0.113	2.101	ug/L
|	Se	82	556.074	0.00	5.4946	0.278	5.052	ug/L
⌊	Rb	85	33897.037	0.11				mg/L
	Y	89	262363.491	32853.30				ug/L
	Rh	103	24.667	11.33				ug/L
⌈	Mo	98	692.821	0.00	0.2337	0.009	4.025	ug/L
|	Ag	107	27876.089	0.09	4.6687	0.074	1.576	ug/L
|	Cd	114	6722.042	0.02	5.4670	0.031	0.570	ug/L
| >	In	115	304054.961	304054.96				ug/L
|	Sn	118	272.537	0.00	0.0202	0.001	3.939	ug/L
⌊	Sb	123	939.459	0.00	0.2423	0.005	2.190	ug/L
⌈	Ba	135	125513.873	0.33	76.9990	1.942	2.523	ug/L
|	Ce	140	210702.319	0.56				ug/L
⌊>	Tb	159	377535.846	377535.85				ug/L
⌈	Ho	165	3404.253	0.01				ug/L
|	Tl	203	34985.111	0.11	4.9614	0.100	2.019	ug/L
|	Tl	205	86497.869	0.26	4.9886	0.161	3.222	ug/L
|	Pb	206	46294.403	0.14	8.0760	0.277	3.429	ug/L
|	Pb	207	40116.389	0.12	7.4936	0.233	3.107	ug/L
|	Pb	208	186793.704	0.56	7.8115	0.292	3.738	ug/L
|	U	238	153542.074	0.46	5.4370	0.138	2.532	ug/L
⌊>	Bi	209	332563.417	332563.42				ug/L

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⌈	Na	23	681275.990	3.83	0.1308	0.008	5.862	mg/L
|	Mg	24	6431701.639	38.39	1.9084	0.056	2.958	mg/L
|	K	39	4407546.720	24.27	0.6260	0.013	2.106	mg/L
|	Ca	43	21281.422	0.13	1.3370	0.009	0.670	mg/L
|	Fe	54	6043679.448	35.76	11.1954	0.491	4.382	mg/L
|	Fe	57	2595018.680	15.46	11.2748	0.479	4.248	mg/L
⌊>	Sc-1	45	167559.397	167559.40				mg/L
	Cl	35	10997.379	-1282.16				mg/L
	Kr	83	71.001	6.33				mg/L
	Br	81	7561.525	-108.08				mg/L
	P	31	109579.157	98316.79				mg/L
	S	34	118836.635	-23987.53				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.563			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.893			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.129			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.363			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1103061223SD WG359447-05
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Method 6020 - Summary Report

Sample ID: L1103042901PS WG359367-03

Sample Date/Time: Thursday, March 31, 2011 15:57:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 44
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19452.353	0.01				ug/L
|	Be	9	15557.428	0.10	54.2368	0.467	0.862	ug/L
|	Al	27	15522949.889	97.99	3063.7470	71.806	2.344	ug/L
⌊>	Sc	45	158394.666	158394.67				ug/L
⌈	Ti	49	6909.748	0.02	12.9387	0.689	5.325	ug/L
|	V	51	471904.883	1.45	55.5014	0.502	0.905	ug/L
|	Cr	52	421787.977	1.28	56.5413	0.169	0.298	ug/L
|	Cr	53	48415.120	0.15	56.4670	1.377	2.438	ug/L
|	Mn	55	2629837.374	8.14	232.4142	1.348	0.580	ug/L
|	Co	59	501167.242	1.55	56.8213	0.763	1.343	ug/L
|	Ni	60	118473.218	0.37	63.9111	0.337	0.527	ug/L
|	Cu	65	127802.440	0.40	67.1519	0.232	0.345	ug/L
|	Zn	66	104819.564	0.32	90.7468	1.123	1.237	ug/L
|>	Ge	72	322856.951	322856.95				ug/L
|	As	75	64830.407	0.20	60.0281	0.927	1.545	ug/L
|	Se	77	5046.607	0.02	57.8854	1.841	3.180	ug/L
|	Se	82	6013.621	0.02	58.2721	0.247	0.425	ug/L
⌊	Rb	85	51090.703	0.16				mg/L
	Y	89	258271.953	28761.76				ug/L
	Rh	103	56.001	42.67				ug/L
⌈	Mo	98	2074.291	0.01	0.7080	0.003	0.418	ug/L
|	Ag	107	322391.714	1.04	52.9902	0.233	0.439	ug/L
|	Cd	114	68419.943	0.22	54.8147	1.275	2.327	ug/L
|>	In	115	309687.455	309687.45				ug/L
|	Sn	118	243.870	0.00	0.0128	0.004	31.549	ug/L
⌊	Sb	123	210180.001	0.68	51.9041	0.628	1.209	ug/L
⌈	Ba	135	419476.433	1.09	253.6012	2.112	0.833	ug/L
|	Ce	140	100553.022	0.26				ug/L
⌊>	Tb	159	383132.862	383132.86				ug/L
⌈	Ho	165	3104.126	0.01				ug/L
|	Tl	203	358942.248	1.08	51.0581	0.858	1.680	ug/L
|	Tl	205	878096.583	2.65	50.8246	0.756	1.487	ug/L
|	Pb	206	480368.564	1.45	84.6524	1.568	1.852	ug/L
|	Pb	207	421653.871	1.27	79.4806	0.590	0.742	ug/L
|	Pb	208	1940172.520	5.86	81.8868	1.364	1.666	ug/L
|	U	238	1462034.173	4.41	51.9101	0.516	0.994	ug/L
⌊>	Bi	209	331188.177	331188.18				ug/L

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⌈	Na	23	2122356.095	13.16	0.4504	0.007	1.503	mg/L
|	Mg	24	6108230.947	38.55	1.9163	0.025	1.280	mg/L
|	K	39	3762840.974	21.72	0.5595	0.009	1.661	mg/L
|	Ca	43	99139.340	0.62	6.6410	0.189	2.851	mg/L
|	Fe	54	6636022.453	41.56	13.0148	0.224	1.718	mg/L
|	Fe	57	2860149.418	18.03	13.1437	0.151	1.152	mg/L
⌊>	Sc-1	45	158394.666	158394.67				mg/L
	Cl	35	40074.208	27794.67				mg/L
	Kr	83	71.668	7.00				mg/L
	Br	81	9565.240	1895.63				mg/L
	P	31	53416.979	42154.62				mg/L
	S	34	198531.921	55707.76				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.198			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.614			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.494			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.973			
⌈	Na	23					

Sample ID: L1103042901PS WG359367-03
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1103042901PS WG359367-03
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 16:04:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16329.996	-0.01				ug/L
|	Be	9	14245.476	0.09	49.9622	1.701	3.404	ug/L
|	Al	27	259784.481	1.63	51.0179	2.776	5.441	ug/L
⌊>	Sc	45	157497.423	157497.42				ug/L
⌈	Ti	49	49835.514	0.15	94.6152	0.557	0.588	ug/L
|	V	51	407532.963	1.26	48.0533	0.776	1.616	ug/L
|	Cr	52	358654.129	1.09	48.0684	0.641	1.333	ug/L
|	Cr	53	41925.252	0.13	49.0158	0.958	1.955	ug/L
|	Mn	55	558989.179	1.74	49.5159	0.091	0.184	ug/L
|	Co	59	439841.609	1.37	50.0356	0.382	0.764	ug/L
|	Ni	60	91655.376	0.28	49.6035	0.454	0.914	ug/L
|	Cu	65	93750.349	0.29	49.4129	0.080	0.162	ug/L
|	Zn	66	58548.145	0.18	50.3120	0.110	0.219	ug/L
|>	Ge	72	321762.833	321762.83				ug/L
|	As	75	54569.603	0.17	50.7249	0.310	0.612	ug/L
|	Se	77	4543.032	0.01	52.2074	0.584	1.118	ug/L
|	Se	82	5398.989	0.02	52.4893	0.431	0.820	ug/L
⌊	Rb	85	2204.265	0.01				mg/L
	Y	89	223611.282	-5898.91				ug/L
	Rh	103	33.667	20.33				ug/L
⌈	Mo	98	303818.454	0.96	102.5452	1.531	1.493	ug/L
|	Ag	107	310835.015	0.98	49.7677	1.143	2.297	ug/L
|	Cd	114	65384.915	0.21	51.0134	0.329	0.645	ug/L
|>	In	115	317960.650	317960.65				ug/L
|	Sn	118	228797.532	0.72	48.8134	0.790	1.618	ug/L
⌊	Sb	123	204338.800	0.64	49.1505	0.820	1.669	ug/L
⌈	Ba	135	83536.668	0.22	50.1823	0.372	0.742	ug/L
|	Ce	140	63.340	0.00				ug/L
⌊>	Tb	159	385425.446	385425.45				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	330398.446	1.02	48.0830	0.663	1.379	ug/L
|	Tl	205	807260.416	2.49	47.7983	0.648	1.357	ug/L
|	Pb	206	269475.110	0.83	48.5562	0.269	0.553	ug/L
|	Pb	207	253699.862	0.78	48.9110	0.712	1.455	ug/L
|	Pb	208	1130318.328	3.49	48.7849	0.498	1.021	ug/L
|	U	238	1375296.621	4.25	49.9586	0.465	0.931	ug/L
⌊>	Bi	209	323713.931	323713.93				ug/L

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Na	23	22432330.087	142.21	4.8711	0.102	2.102	mg/L
Mg	24	14911221.750	94.68	4.7096	0.130	2.768	mg/L
K	39	30320541.038	190.52	4.9618	0.133	2.679	mg/L
Ca	43	73483.196	0.47	4.9474	0.127	2.570	mg/L
Fe	54	2686564.968	16.72	5.2324	0.070	1.340	mg/L
Fe	57	1110057.627	7.02	5.1146	0.094	1.842	mg/L
> Sc-1	45	157497.423	157497.42				mg/L
Cl	35	12742.783	463.24				mg/L
Kr	83	64.001	-0.67				mg/L
Br	81	7997.865	328.26				mg/L
P	31	6827.014	-4435.35				mg/L
S	34	149699.731	6875.57				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	96.107				
Cr	52	96.137				
Cr	53					
Mn	55	99.032				
Co	59	100.071				
Ni	60	99.207				
Cu	65	98.826				
Zn	66	100.624				
> Ge	72		97.865			
As	75	101.450				
Se	77					
Se	82	104.979				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.535				
Cd	114	102.027				
> In	115		97.141			
Sn	118					
Sb	123	98.301				
Ba	135	100.365				
Ce	140					
> Tb	159		94.054			
Ho	165					
Tl	203	96.166				
Tl	205					
Pb	206					
Pb	207					
Pb	208	97.570				
U	238	99.917				
> Bi	209		91.852			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 16:06:49

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 16:06:49
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 16:11:43
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18634.075	-0.00				ug/L
|	Be	9	10.000	0.00	0.0026	0.013	499.136	ug/L
|	Al	27	2500.313	-0.01	-0.1030	0.014	13.555	ug/L
⌊>	Sc	45	164271.854	164271.85				ug/L
⌈	Ti	49	23.336	-0.00	-0.1132	0.039	34.746	ug/L
|	V	51	2571.756	0.00	0.0036	0.006	176.975	ug/L
|	Cr	52	9110.907	0.00	0.0616	0.013	21.108	ug/L
|	Cr	53	316.703	0.00	0.0367	0.062	168.343	ug/L
|	Mn	55	390.345	-0.00	-0.0327	0.001	4.471	ug/L
|	Co	59	108.668	-0.00	-0.0197	0.001	7.379	ug/L
|	Ni	60	53.001	-0.00	-0.0187	0.003	14.006	ug/L
|	Cu	65	85.668	0.00	-0.0082	0.003	34.926	ug/L
|	Zn	66	190.337	-0.00	-1.0778	0.018	1.651	ug/L
|>	Ge	72	324730.643	324730.64				ug/L
|	As	75	-133.648	0.00	0.0477	0.012	25.903	ug/L
|	Se	77	70.667	0.00	0.0669	0.246	368.509	ug/L
|	Se	82	5.145	0.00	0.0026	0.070	2718.099	ug/L
⌊	Rb	85	25.000	0.00				mg/L
	Y	89	232270.253	2760.06				ug/L
	Rh	103	9.000	-4.33				ug/L
⌈	Mo	98	165.985	0.00	0.0446	0.006	14.083	ug/L
|	Ag	107	139.669	0.00	0.0246	0.002	7.137	ug/L
|	Cd	114	5.715	0.00	-0.0153	0.001	9.124	ug/L
|>	In	115	321187.875	321187.88				ug/L
|	Sn	118	276.271	0.00	0.0177	0.008	44.712	ug/L
⌊	Sb	123	249.579	0.00	0.0655	0.005	6.937	ug/L
⌈	Ba	135	25.667	0.00	-0.0119	0.003	24.253	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	394764.179	394764.18				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	81.334	0.00	0.0173	0.002	13.782	ug/L
|	Tl	205	166.685	0.00	0.0118	0.002	14.650	ug/L
|	Pb	206	301.341	0.00	-0.0019	0.002	93.185	ug/L
|	Pb	207	271.673	0.00	0.0088	0.003	39.355	ug/L
|	Pb	208	1222.042	0.00	0.0059	0.001	12.468	ug/L
|	U	238	120.335	0.00	0.0121	0.001	4.954	ug/L
⌊>	Bi	209	329240.611	329240.61				ug/L

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⌈	Na	23	26755.137	-0.07	-0.0030	0.000	6.515	mg/L
|	Mg	24	906.799	-0.00	-0.0025	0.000	1.451	mg/L
|	K	39	353247.973	0.12	-0.0040	0.001	18.628	mg/L
|	Ca	43	216.691	0.00	0.0004	0.003	879.182	mg/L
|	Fe	54	58216.065	0.02	-0.0011	0.007	652.372	mg/L
|	Fe	57	6973.128	0.01	0.0041	0.000	7.479	mg/L
⌊>	Sc-1	45	164271.854	164271.85				mg/L
	Cl	35	11476.582	-802.96				mg/L
	Kr	83	60.001	-4.67				mg/L
	Br	81	8685.103	1015.50				mg/L
	P	31	11399.191	136.83				mg/L
	S	34	140341.611	-2482.55				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.767			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.127			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.333			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.420			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 16:13:53

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 16:13:53
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Thursday, March 31, 2011 16:18:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17966.146	0.00				ug/L
|	Be	9	12.667	0.00	0.0135	0.033	242.229	ug/L
|	Al	27	3634.001	0.00	0.1599	0.105	65.579	ug/L
⌊>	Sc	45	154234.128	154234.13				ug/L
⌈	Ti	49	23.336	-0.00	-0.1128	0.030	26.375	ug/L
|	V	51	6207.078	0.01	0.4354	0.017	3.989	ug/L
|	Cr	52	14672.237	0.02	0.8303	0.010	1.164	ug/L
|	Cr	53	820.116	0.00	0.6291	0.090	14.273	ug/L
|	Mn	55	6329.733	0.02	0.4927	0.004	0.814	ug/L
|	Co	59	3814.766	0.01	0.4011	0.020	4.869	ug/L
|	Ni	60	3221.218	0.01	1.6927	0.063	3.702	ug/L
|	Cu	65	1703.162	0.01	0.8426	0.025	2.942	ug/L
|	Zn	66	7668.349	0.02	5.4880	0.124	2.267	ug/L
|>	Ge	72	322786.343	322786.34				ug/L
|	As	75	349.623	0.00	0.4932	0.020	4.138	ug/L
|	Se	77	108.667	0.00	0.5103	0.206	40.394	ug/L
|	Se	82	49.810	0.00	0.4365	0.039	8.926	ug/L
⌊	Rb	85	23.667	0.00				mg/L
	Y	89	229520.353	10.16				ug/L
	Rh	103	12.667	-0.67				ug/L
⌈	Mo	98	89.869	-0.00	0.0198	0.002	10.851	ug/L
|	Ag	107	2689.055	0.01	0.4367	0.013	3.051	ug/L
|	Cd	114	260.162	0.00	0.1852	0.014	7.715	ug/L
|>	In	115	315196.570	315196.57				ug/L
|	Sn	118	148.934	-0.00	-0.0086	0.002	23.448	ug/L
⌊	Sb	123	1802.127	0.01	0.4432	0.008	1.814	ug/L
⌈	Ba	135	1306.765	0.00	0.7621	0.012	1.627	ug/L
|	Ce	140	36.670	0.00				ug/L
⌊>	Tb	159	383639.647	383639.65				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	583.356	0.00	0.0906	0.005	5.201	ug/L
|	Tl	205	1450.250	0.00	0.0881	0.005	5.434	ug/L
|	Pb	206	2544.016	0.01	0.4040	0.026	6.380	ug/L
|	Pb	207	2359.969	0.01	0.4130	0.011	2.638	ug/L
|	Pb	208	10538.629	0.03	0.4097	0.008	1.914	ug/L
|	U	238	11131.303	0.03	0.4125	0.004	0.970	ug/L
⌊>	Bi	209	323407.109	323407.11				ug/L

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 16:21:03
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Na	23	8024.022	-0.18	-0.0068	0.000	2.818	mg/L
Mg	24	253.362	-0.01	-0.0027	0.000	0.932	mg/L
K	39	343818.223	0.20	-0.0018	0.004	238.992	mg/L
Ca	43	226.692	0.00	0.0020	0.001	44.235	mg/L
Fe	54	37682.122	-0.09	-0.0354	0.006	17.713	mg/L
Fe	57	6679.564	0.01	0.0049	0.002	47.942	mg/L
Sc-1	45	154234.128	154234.13				mg/L
Cl	35	9971.637	-2307.90				mg/L
Kr	83	60.334	-4.33				mg/L
Br	81	8408.201	738.59				mg/L
P	31	7032.472	-4229.89				mg/L
S	34	122603.746	-20220.42				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	108.853				
Cr	52	103.794				
Cr	53					
Mn	55	98.544				
Co	59	100.271				
Ni	60	105.796				
Cu	65	105.329				
Zn	66	87.808				
Ge	72		98.176			
As	75	123.305				
Se	77					
Se	82	109.115				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	109.165				
Cd	114	92.577				
In	115		96.297			
Sn	118					
Sb	123	110.807				
Ba	135	101.618				
Ce	140					
Tb	159		93.618			
Ho	165					
Tl	203	113.244				
Tl	205					
Pb	206					
Pb	207					
Pb	208	102.427				
U	238	103.125				
Bi	209		91.765			
Na	23					

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 16:21:03
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 16:21:03
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: PBS 17 WG360489-02

Sample Date/Time: Thursday, March 31, 2011 16:26:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 71
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18049.667	-0.01				ug/L
|	Be	9	8.667	-0.00	-0.0011	0.023	2099.375	ug/L
|	Al	27	16196.502	0.08	2.5170	0.340	13.507	ug/L
⌊>	Sc	45	163900.123	163900.12				ug/L
⌈	Ti	49	50.005	0.00	-0.0651	0.032	49.578	ug/L
|	V	51	2793.325	0.00	0.0226	0.007	32.674	ug/L
|	Cr	52	9850.282	0.00	0.1336	0.028	21.094	ug/L
|	Cr	53	346.708	0.00	0.0628	0.119	189.117	ug/L
|	Mn	55	1236.422	0.00	0.0394	0.004	9.800	ug/L
|	Co	59	93.668	-0.00	-0.0216	0.001	3.696	ug/L
|	Ni	60	279.340	0.00	0.0996	0.008	8.325	ug/L
|	Cu	65	511.018	0.00	0.2084	0.006	2.979	ug/L
|	Zn	66	2593.696	0.01	0.9707	0.045	4.622	ug/L
|>	Ge	72	331832.062	331832.06				ug/L
|	As	75	-219.951	-0.00	-0.0271	0.034	126.853	ug/L
|	Se	77	80.000	0.00	0.1536	0.118	76.591	ug/L
|	Se	82	-5.568	-0.00	-0.0994	0.117	117.638	ug/L
⌊	Rb	85	62.668	0.00				mg/L
	Y	89	235603.207	6093.02				ug/L
	Rh	103	9.333	-4.00				ug/L
⌈	Mo	98	59.800	-0.00	0.0090	0.002	22.482	ug/L
|	Ag	107	84.001	0.00	0.0156	0.000	1.419	ug/L
|	Cd	114	3.900	0.00	-0.0167	0.008	47.108	ug/L
|>	In	115	324348.761	324348.76				ug/L
|	Sn	118	319.605	0.00	0.0262	0.003	10.469	ug/L
⌊	Sb	123	143.951	0.00	0.0400	0.001	3.058	ug/L
⌈	Ba	135	145.669	0.00	0.0576	0.007	12.186	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	399025.360	399025.36				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	39.667	0.00	0.0112	0.001	5.282	ug/L
|	Tl	205	96.677	0.00	0.0076	0.002	25.862	ug/L
|	Pb	206	316.342	0.00	-0.0004	0.003	882.782	ug/L
|	Pb	207	281.007	0.00	0.0095	0.005	53.600	ug/L
|	Pb	208	1297.046	0.00	0.0080	0.001	18.116	ug/L
|	U	238	39.667	0.00	0.0092	0.000	2.240	ug/L
⌊>	Bi	209	335831.257	335831.26				ug/L

Sample ID: PBS 17 WG360489-02
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⌈	Na	23	36001.695	-0.02	-0.0010	0.000	30.090	mg/L
|	Mg	24	4141.273	0.02	-0.0016	0.000	3.275	mg/L
|	K	39	369004.842	0.22	-0.0013	0.002	172.761	mg/L
|	Ca	43	280.032	0.00	0.0047	0.004	88.983	mg/L
|	Fe	54	68578.423	0.08	0.0190	0.006	31.708	mg/L
|	Fe	57	8247.563	0.02	0.0099	0.002	19.767	mg/L
⌊>	Sc-1	45	163900.123	163900.12				mg/L
	Cl	35	13633.960	1354.42				mg/L
	Kr	83	65.334	0.67				mg/L
	Br	81	9302.992	1633.39				mg/L
	P	31	12921.747	1659.38				mg/L
	S	34	137479.632	-5344.53				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.927			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.093			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.373			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.290			
⌈	Na	23					

Sample ID: PBS 17 WG360489-02
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 17 WG360489-02
Report Date/Time: Thursday, March 31, 2011 16:29:07
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: LCSS 17 WG360489-03

Sample Date/Time: Thursday, March 31, 2011 16:34:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 72
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18583.963	-0.00				ug/L
|	Be	9	6826.329	0.04	22.8058	1.100	4.823	ug/L
|	Al	27	137522.814	0.81	25.4409	0.892	3.504	ug/L
⌊>	Sc	45	165374.345	165374.35				ug/L
⌈	Ti	49	43.338	0.00	-0.0773	0.065	84.547	ug/L
|	V	51	216605.369	0.64	24.5322	0.275	1.123	ug/L
|	Cr	52	197692.693	0.57	25.0510	0.436	1.742	ug/L
|	Cr	53	22584.400	0.07	25.3525	0.341	1.345	ug/L
|	Mn	55	300119.108	0.90	25.6538	0.287	1.117	ug/L
|	Co	59	231492.112	0.69	25.4291	0.366	1.441	ug/L
|	Ni	60	49012.327	0.15	25.6074	0.628	2.452	ug/L
|	Cu	65	49688.322	0.15	25.2803	0.600	2.375	ug/L
|	Zn	66	31246.393	0.09	25.3415	0.524	2.069	ug/L
|>	Ge	72	333037.774	333037.77				ug/L
|	As	75	26124.871	0.08	23.5552	0.413	1.755	ug/L
|	Se	77	2052.878	0.01	22.3672	1.048	4.686	ug/L
|	Se	82	2397.737	0.01	22.4997	0.816	3.629	ug/L
⌊	Rb	85	53.001	0.00				mg/L
	Y	89	235719.205	6209.01				ug/L
	Rh	103	26.000	12.67				ug/L
⌈	Mo	98	53.425	-0.00	0.0067	0.003	42.300	ug/L
|	Ag	107	142346.399	0.44	22.1757	0.353	1.591	ug/L
|	Cd	114	31484.827	0.10	23.9007	1.042	4.360	ug/L
|>	In	115	326821.245	326821.24				ug/L
|	Sn	118	189.735	0.00	-0.0013	0.001	95.583	ug/L
⌊	Sb	123	99554.684	0.30	23.3039	0.472	2.024	ug/L
⌈	Ba	135	42419.537	0.11	24.3161	0.193	0.793	ug/L
|	Ce	140	90.009	0.00				ug/L
⌊>	Tb	159	403705.586	403705.59				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	175367.128	0.52	24.6649	0.306	1.241	ug/L
|	Tl	205	427975.246	1.28	24.4872	0.354	1.446	ug/L
|	Pb	206	147560.337	0.44	25.6705	0.520	2.025	ug/L
|	Pb	207	129032.187	0.38	24.0183	0.478	1.992	ug/L
|	Pb	208	598088.062	1.78	24.9259	0.543	2.177	ug/L
|	U	238	695230.057	2.08	24.4056	0.438	1.794	ug/L
⌊>	Bi	209	335000.430	335000.43				ug/L

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⌈	Na	23	43910.579	0.03	0.0005	0.000	61.600	mg/L
|	Mg	24	22363.881	0.13	0.0039	0.000	5.713	mg/L
|	K	39	366308.488	0.18	-0.0023	0.002	70.194	mg/L
|	Ca	43	430.053	0.00	0.0139	0.008	55.716	mg/L
|	Fe	54	69582.217	0.09	0.0198	0.008	40.870	mg/L
|	Fe	57	7276.709	0.01	0.0053	0.001	16.167	mg/L
⌊>	Sc-1	45	165374.345	165374.35				mg/L
	Cl	35	13434.352	1154.81				mg/L
	Kr	83	68.001	3.33				mg/L
	Br	81	8849.915	1180.31				mg/L
	P	31	13131.965	1869.60				mg/L
	S	34	135205.023	-7619.14				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		101.294			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.848			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.515			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.054			
⌈	Na	23					

Sample ID: LCSS 17 WG360489-03
Report Date/Time: Thursday, March 31, 2011 16:36:13
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 17 WG360489-03
Report Date/Time: Thursday, March 31, 2011 16:36:13
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Method 6020 - Summary Report

Sample ID: L1103099501

Sample Date/Time: Thursday, March 31, 2011 16:41:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 73
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18600.636	0.00				ug/L
|	Be	9	94.667	0.00	0.3070	0.040	13.094	ug/L
|	Al	27	17143967.048	110.74	3462.3150	364.086	10.516	ug/L
⌊>	Sc	45	154738.324	154738.32				ug/L
⌈	Ti	49	2353.849	0.01	4.4008	0.594	13.490	ug/L
|	V	51	51489.786	0.16	5.9228	0.443	7.485	ug/L
|	Cr	52	58818.718	0.16	7.0471	0.495	7.029	ug/L
|	Cr	53	6646.209	0.02	7.6345	0.426	5.576	ug/L
|	Mn	55	1991332.620	6.30	179.8260	12.074	6.714	ug/L
|	Co	59	56720.690	0.18	6.5433	0.434	6.631	ug/L
|	Ni	60	26808.899	0.08	14.7408	0.896	6.075	ug/L
|	Cu	65	28052.314	0.09	15.0206	0.911	6.068	ug/L
|	Zn	66	43484.295	0.14	37.7486	2.333	6.181	ug/L
|>	Ge	72	316041.606	316041.61				ug/L
|	As	75	15762.784	0.05	15.0396	0.804	5.344	ug/L
|	Se	77	126.001	0.00	0.7461	0.331	44.390	ug/L
|	Se	82	51.453	0.00	0.4628	0.121	26.070	ug/L
⌊	Rb	85	41785.694	0.13				mg/L
	Y	89	253395.883	23885.69				ug/L
	Rh	103	19.667	6.33				ug/L
⌈	Mo	98	3878.883	0.01	1.3895	0.038	2.765	ug/L
|	Ag	107	328.342	0.00	0.0587	0.005	8.176	ug/L
|	Cd	114	101.871	0.00	0.0654	0.009	14.176	ug/L
|>	In	115	297245.184	297245.18				ug/L
|	Sn	118	116.934	-0.00	-0.0140	0.002	14.253	ug/L
⌊	Sb	123	136.112	0.00	0.0411	0.002	5.470	ug/L
⌈	Ba	135	32354.377	0.09	20.0772	1.435	7.149	ug/L
|	Ce	140	114116.523	0.31				ug/L
⌊>	Tb	159	372995.728	372995.73				ug/L
⌈	Ho	165	3110.796	0.01				ug/L
|	Tl	203	1013.062	0.00	0.1513	0.010	6.919	ug/L
|	Tl	205	2567.253	0.01	0.1523	0.003	2.251	ug/L
|	Pb	206	37239.715	0.11	6.5809	0.349	5.299	ug/L
|	Pb	207	31069.605	0.09	5.8799	0.346	5.884	ug/L
|	Pb	208	147624.550	0.45	6.2545	0.372	5.955	ug/L
|	U	238	27427.580	0.08	0.9919	0.054	5.403	ug/L
⌊>	Bi	209	327678.657	327678.66				ug/L

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⌈	Na	23	264018.478	1.47	0.0499	0.004	8.129	mg/L
|	Mg	24	5050374.130	32.62	1.6212	0.106	6.519	mg/L
|	K	39	2379624.379	13.34	0.3409	0.017	4.927	mg/L
|	Ca	43	19554.401	0.13	1.3305	0.050	3.779	mg/L
|	Fe	54	10956949.050	70.44	22.0627	1.285	5.823	mg/L
|	Fe	57	4724317.681	30.50	22.2387	1.213	5.456	mg/L
⌊>	Sc-1	45	154738.324	154738.32				mg/L
	Cl	35	12116.670	-162.87				mg/L
	Kr	83	63.001	-1.67				mg/L
	Br	81	7482.136	-187.47				mg/L
	P	31	79276.615	68014.25				mg/L
	S	34	531407.657	388583.49				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.125			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.812			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.021			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		92.977			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103099503

Sample Date/Time: Thursday, March 31, 2011 16:48:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 74
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18684.152	0.01				ug/L
|	Be	9	75.334	0.00	0.2423	0.042	17.212	ug/L
|	Al	27	7252652.214	47.58	1487.7218	119.274	8.017	ug/L
⌊>	Sc	45	152470.451	152470.45				ug/L
⌈	Ti	49	3470.953	0.01	6.6558	0.666	10.006	ug/L
|	V	51	105165.134	0.33	12.5795	0.662	5.264	ug/L
|	Cr	52	46928.202	0.12	5.4728	0.338	6.177	ug/L
|	Cr	53	4824.995	0.01	5.5283	0.801	14.498	ug/L
|	Mn	55	1339132.827	4.29	122.5279	7.660	6.252	ug/L
|	Co	59	37415.739	0.12	4.3640	0.251	5.743	ug/L
|	Ni	60	52547.578	0.17	29.3319	1.736	5.920	ug/L
|	Cu	65	80563.976	0.26	43.8205	2.793	6.374	ug/L
|	Zn	66	99148.198	0.32	88.8674	5.030	5.660	ug/L
|>	Ge	72	311713.477	311713.48				ug/L
|	As	75	7941.979	0.03	7.7642	0.443	5.702	ug/L
|	Se	77	287.337	0.00	2.7072	0.317	11.702	ug/L
|	Se	82	232.737	0.00	2.2913	0.153	6.663	ug/L
⌊	Rb	85	31461.853	0.10				mg/L
	Y	89	249703.131	20192.94				ug/L
	Rh	103	47.334	34.00				ug/L
⌈	Mo	98	44827.891	0.15	16.0753	0.882	5.489	ug/L
|	Ag	107	1041.732	0.00	0.1798	0.012	6.840	ug/L
|	Cd	114	1604.209	0.01	1.3112	0.144	10.946	ug/L
|>	In	115	299023.774	299023.77				ug/L
|	Sn	118	474.945	0.00	0.0671	0.007	10.210	ug/L
⌊	Sb	123	392.200	0.00	0.1064	0.002	1.425	ug/L
⌈	Ba	135	2788750.688	7.36	1704.0839	83.883	4.922	ug/L
|	Ce	140	81039.560	0.21				ug/L
⌊>	Tb	159	379071.461	379071.46				ug/L
⌈	Ho	165	2814.012	0.01				ug/L
|	Tl	203	8579.438	0.03	1.2823	0.091	7.076	ug/L
|	Tl	205	21174.513	0.07	1.2834	0.025	1.964	ug/L
|	Pb	206	143813.752	0.45	26.4675	1.199	4.530	ug/L
|	Pb	207	119602.811	0.38	23.5568	1.518	6.444	ug/L
|	Pb	208	559928.539	1.77	24.6888	1.430	5.791	ug/L
|	U	238	60733.055	0.19	2.2635	0.144	6.381	ug/L
⌊>	Bi	209	316797.380	316797.38				ug/L

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⌈	Na	23	10892802.846	71.25	2.4401	0.154	6.303	mg/L
|	Mg	24	3206791.527	21.03	1.0445	0.048	4.599	mg/L
|	K	39	5208512.980	32.15	0.8314	0.060	7.176	mg/L
|	Ca	43	111560.308	0.73	7.7709	0.357	4.598	mg/L
|	Fe	54	4254422.003	27.59	8.6372	0.772	8.935	mg/L
|	Fe	57	1823426.952	11.94	8.7018	0.721	8.282	mg/L
⌊>	Sc-1	45	152470.451	152470.45				mg/L
	Cl	35	71840.700	59561.16				mg/L
	Kr	83	69.334	4.67				mg/L
	Br	81	8657.757	988.15				mg/L
	P	31	66199.403	54937.04				mg/L
	S	34	290481.743	147657.58				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.808			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.356			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.503			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		89.889			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100201

Sample Date/Time: Thursday, March 31, 2011 16:55:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 75
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18867.790	0.01				ug/L
|	Be	9	74.667	0.00	0.2345	0.034	14.402	ug/L
|	Al	27	5722949.452	36.85	1152.2341	34.794	3.020	ug/L
⌊>	Sc	45	155162.567	155162.57				ug/L
⌈	Ti	49	2880.705	0.01	5.5295	0.383	6.927	ug/L
|	V	51	30365.051	0.09	3.4428	0.180	5.243	ug/L
|	Cr	52	62567.156	0.18	7.7442	0.484	6.249	ug/L
|	Cr	53	6332.641	0.02	7.4090	0.394	5.324	ug/L
|	Mn	55	7323565.580	23.64	674.5307	30.327	4.496	ug/L
|	Co	59	27397.848	0.09	3.2066	0.181	5.640	ug/L
|	Ni	60	24327.196	0.08	13.6361	0.682	5.000	ug/L
|	Cu	65	90641.123	0.29	49.6106	2.088	4.209	ug/L
|	Zn	66	128893.629	0.42	116.6148	5.841	5.009	ug/L
|>	Ge	72	309822.888	309822.89				ug/L
|	As	75	66130.923	0.21	63.7844	3.029	4.749	ug/L
|	Se	77	124.001	0.00	0.7520	0.345	45.828	ug/L
|	Se	82	51.717	0.00	0.4752	0.376	79.057	ug/L
⌊	Rb	85	24895.563	0.08				mg/L
	Y	89	277005.165	47494.98				ug/L
	Rh	103	292.007	278.67				ug/L
⌈	Mo	98	6013.677	0.02	2.1318	0.144	6.768	ug/L
|	Ag	107	2934.129	0.01	0.4983	0.052	10.354	ug/L
|	Cd	114	582.346	0.00	0.4601	0.072	15.599	ug/L
|>	In	115	301226.155	301226.16				ug/L
|	Sn	118	393.608	0.00	0.0480	0.005	11.345	ug/L
⌊	Sb	123	2918.237	0.01	0.7469	0.042	5.600	ug/L
⌈	Ba	135	4353513.237	11.28	2612.2151	162.371	6.216	ug/L
|	Ce	140	193377.839	0.50				ug/L
⌊>	Tb	159	386179.806	386179.81				ug/L
⌈	Ho	165	3654.372	0.01				ug/L
|	Tl	203	5292.790	0.02	0.8190	0.058	7.138	ug/L
|	Tl	205	13146.660	0.04	0.8244	0.081	9.802	ug/L
|	Pb	206	1571812.792	5.13	299.4070	19.599	6.546	ug/L
|	Pb	207	1364719.023	4.45	278.0457	15.939	5.732	ug/L
|	Pb	208	6305106.775	20.57	287.6242	16.982	5.904	ug/L
|	U	238	13252.260	0.04	0.5162	0.035	6.738	ug/L
⌊>	Bi	209	306638.744	306638.74				ug/L

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⌈	Na	23	3458982.335	22.05	0.7549	0.009	1.254	mg/L
|	Mg	24	6989040.782	45.01	2.2379	0.045	2.029	mg/L
|	K	39	3552468.702	20.85	0.5368	0.008	1.419	mg/L
|	Ca	43	998050.724	6.42	68.3155	2.719	3.980	mg/L
|	Fe	54	3512978.150	22.29	6.9761	0.189	2.715	mg/L
|	Fe	57	1537189.799	9.87	7.1939	0.185	2.568	mg/L
⌊>	Sc-1	45	155162.567	155162.57				mg/L
	Cl	35	213756.009	201476.47				mg/L
	Kr	83	71.001	6.33				mg/L
	Br	81	22804.649	15135.04				mg/L
	P	31	149126.097	137863.73				mg/L
	S	34	266761.712	123937.55				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.233			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.029			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		94.238			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		87.007			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	
Pb 206 Upper, S, EEE	Pb	206	
Pb 208 Upper, S, EEE	Pb	208	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100401

Sample Date/Time: Thursday, March 31, 2011 17:02:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 76
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18834.403	0.00				ug/L
|	Be	9	103.334	0.00	0.3331	0.062	18.571	ug/L
|	Al	27	15695004.128	99.98	3126.1094	278.581	8.911	ug/L
⌊>	Sc	45	156837.516	156837.52				ug/L
⌈	Ti	49	3374.245	0.01	6.3480	0.707	11.141	ug/L
|	V	51	46306.726	0.14	5.2716	0.500	9.484	ug/L
|	Cr	52	49148.347	0.13	5.6643	0.592	10.450	ug/L
|	Cr	53	5021.772	0.01	5.6601	0.574	10.139	ug/L
|	Mn	55	2502779.614	7.88	224.9802	25.497	11.333	ug/L
|	Co	59	33341.105	0.10	3.8153	0.469	12.280	ug/L
|	Ni	60	16259.815	0.05	8.8822	0.935	10.524	ug/L
|	Cu	65	19832.346	0.06	10.5554	1.122	10.627	ug/L
|	Zn	66	35574.117	0.11	30.5120	3.553	11.644	ug/L
|>	Ge	72	317217.095	317217.09				ug/L
|	As	75	5247.849	0.02	5.0989	0.551	10.808	ug/L
|	Se	77	93.334	0.00	0.3527	0.102	28.974	ug/L
|	Se	82	17.339	0.00	0.1247	0.081	64.877	ug/L
⌊	Rb	85	55341.010	0.17				mg/L
	Y	89	257380.062	27869.87				ug/L
	Rh	103	28.000	14.67				ug/L
⌈	Mo	98	1328.266	0.00	0.4529	0.039	8.623	ug/L
|	Ag	107	217.005	0.00	0.0384	0.003	7.083	ug/L
|	Cd	114	184.946	0.00	0.1296	0.011	8.125	ug/L
|>	In	115	307453.520	307453.52				ug/L
|	Sn	118	439.743	0.00	0.0565	0.012	21.254	ug/L
⌊	Sb	123	103.032	0.00	0.0317	0.002	5.533	ug/L
⌈	Ba	135	144785.594	0.38	88.0474	9.869	11.209	ug/L
|	Ce	140	256386.950	0.67				ug/L
⌊>	Tb	159	380794.019	380794.02				ug/L
⌈	Ho	165	3497.637	0.01				ug/L
|	Tl	203	382.011	0.00	0.0595	0.004	6.405	ug/L
|	Tl	205	1013.487	0.00	0.0604	0.009	15.700	ug/L
|	Pb	206	42766.695	0.13	7.4276	0.802	10.804	ug/L
|	Pb	207	35548.929	0.11	6.6097	0.729	11.033	ug/L
|	Pb	208	168430.174	0.50	7.0112	0.804	11.469	ug/L
|	U	238	19628.609	0.06	0.6992	0.078	11.215	ug/L
⌊>	Bi	209	333798.281	333798.28				ug/L

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⌈	Na	23	10838616.643	68.78	2.3556	0.281	11.924	mg/L
|	Mg	24	5249260.282	33.42	1.6609	0.159	9.554	mg/L
|	K	39	3913880.604	22.90	0.5901	0.053	8.983	mg/L
|	Ca	43	141170.118	0.90	9.5498	0.803	8.407	mg/L
|	Fe	54	5263044.749	33.18	10.3879	1.008	9.702	mg/L
|	Fe	57	2253694.692	14.32	10.4387	1.212	11.608	mg/L
⌊>	Sc-1	45	156837.516	156837.52				mg/L
	Cl	35	53838.998	41559.46				mg/L
	Kr	83	76.001	11.33				mg/L
	Br	81	14270.848	6601.24				mg/L
	P	31	50985.828	39723.47				mg/L
	S	34	157875.982	15051.82				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.482			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.931			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.924			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.713			
⌈	Na	23					

Sample ID: L1103100401
Report Date/Time: Thursday, March 31, 2011 17:04:44
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100403

Sample Date/Time: Thursday, March 31, 2011 17:09:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 77
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19736.165	0.01				ug/L
|	Be	9	100.667	0.00	0.3208	0.073	22.709	ug/L
|	Al	27	18264869.934	115.60	3614.3674	301.479	8.341	ug/L
⌊>	Sc	45	158022.949	158022.95				ug/L
⌈	Ti	49	6549.494	0.02	12.5197	1.902	15.188	ug/L
|	V	51	60038.503	0.18	6.9487	0.701	10.086	ug/L
|	Cr	52	65313.483	0.18	7.9445	0.639	8.048	ug/L
|	Cr	53	6919.756	0.02	7.9530	0.487	6.118	ug/L
|	Mn	55	2136180.623	6.75	192.7181	19.807	10.277	ug/L
|	Co	59	51434.040	0.16	5.9245	0.538	9.089	ug/L
|	Ni	60	25827.747	0.08	14.1870	1.391	9.806	ug/L
|	Cu	65	27068.365	0.09	14.4774	1.352	9.339	ug/L
|	Zn	66	52390.270	0.17	45.6898	4.005	8.765	ug/L
|>	Ge	72	316425.750	316425.75				ug/L
|	As	75	8460.165	0.03	8.1440	0.641	7.872	ug/L
|	Se	77	97.334	0.00	0.4012	0.312	77.785	ug/L
|	Se	82	22.038	0.00	0.1721	0.128	74.295	ug/L
⌊	Rb	85	54120.962	0.17				mg/L
	Y	89	245723.672	16213.48				ug/L
	Rh	103	28.000	14.67				ug/L
⌈	Mo	98	3091.858	0.01	1.0955	0.076	6.918	ug/L
|	Ag	107	262.339	0.00	0.0470	0.006	12.428	ug/L
|	Cd	114	346.452	0.00	0.2670	0.030	11.344	ug/L
|>	In	115	299816.618	299816.62				ug/L
|	Sn	118	409.875	0.00	0.0521	0.007	12.856	ug/L
⌊	Sb	123	235.031	0.00	0.0659	0.009	13.707	ug/L
⌈	Ba	135	92513.018	0.25	57.4362	4.965	8.644	ug/L
|	Ce	140	88285.846	0.24				ug/L
⌊>	Tb	159	372950.365	372950.37				ug/L
⌈	Ho	165	2777.331	0.01				ug/L
|	Tl	203	634.693	0.00	0.0968	0.008	8.573	ug/L
|	Tl	205	1613.627	0.00	0.0964	0.013	13.555	ug/L
|	Pb	206	46865.257	0.14	8.2867	0.713	8.599	ug/L
|	Pb	207	39727.600	0.12	7.5208	0.680	9.035	ug/L
|	Pb	208	186263.960	0.56	7.8939	0.733	9.279	ug/L
|	U	238	7536.268	0.02	0.2779	0.027	9.834	ug/L
⌊>	Bi	209	328017.572	328017.57				ug/L

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Na	23	3355276.684	21.01	0.7191	0.053	7.397	mg/L	
Mg	24	6445020.891	40.81	2.0287	0.157	7.725	mg/L	
K	39	3837494.708	22.29	0.5742	0.070	12.152	mg/L	
Ca	43	162060.434	1.03	10.9033	1.395	12.794	mg/L	
Fe	54	7053620.570	44.35	13.8862	1.691	12.176	mg/L	
Fe	57	3052066.160	19.30	14.0727	1.533	10.892	mg/L	
Sc-1	45	158022.949	158022.95				mg/L	
Cl	35	30763.292	18483.75				mg/L	
Kr	83	72.334	7.67				mg/L	
Br	81	10255.924	2586.32				mg/L	
P	31	53104.425	41842.06				mg/L	
S	34	228970.514	86146.35				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.242			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		91.598			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		91.010			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		93.073			
Na	23					

Sample ID: L1103100403
Report Date/Time: Thursday, March 31, 2011 17:11:52

Approved: April 01, 2011

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100601

Sample Date/Time: Thursday, March 31, 2011 17:16:48
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 78
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18400.251	0.01				ug/L
|	Be	9	63.334	0.00	0.2110	0.050	23.562	ug/L
|	Al	27	4824983.078	33.48	1046.9716	36.389	3.476	ug/L
⌊>	Sc	45	143980.220	143980.22				ug/L
⌈	Ti	49	2030.410	0.01	3.9092	0.236	6.026	ug/L
|	V	51	76013.581	0.24	9.2000	0.770	8.369	ug/L
|	Cr	52	34624.010	0.09	3.8293	0.324	8.460	ug/L
|	Cr	53	3427.598	0.01	3.9162	0.268	6.850	ug/L
|	Mn	55	1399629.966	4.58	130.6927	10.885	8.329	ug/L
|	Co	59	47097.020	0.15	5.6145	0.503	8.961	ug/L
|	Ni	60	70907.305	0.23	40.4071	3.319	8.213	ug/L
|	Cu	65	90413.271	0.30	50.1917	3.792	7.556	ug/L
|	Zn	66	161027.981	0.53	148.0988	10.347	6.986	ug/L
|>	Ge	72	305526.874	305526.87				ug/L
|	As	75	8561.529	0.03	8.5237	0.564	6.613	ug/L
|	Se	77	298.671	0.00	2.9165	0.149	5.105	ug/L
|	Se	82	313.149	0.00	3.1616	0.270	8.530	ug/L
⌊	Rb	85	35639.625	0.12				mg/L
	Y	89	251563.685	22053.50				ug/L
	Rh	103	40.000	26.67				ug/L
⌈	Mo	98	67486.325	0.23	24.8119	1.541	6.211	ug/L
|	Ag	107	1163.746	0.00	0.2055	0.016	7.996	ug/L
|	Cd	114	2118.717	0.01	1.7824	0.119	6.678	ug/L
|>	In	115	291690.073	291690.07				ug/L
|	Sn	118	411.875	0.00	0.0551	0.009	16.845	ug/L
⌊	Sb	123	806.973	0.00	0.2175	0.023	10.563	ug/L
⌈	Ba	135	1838261.882	4.89	1131.6594	88.526	7.823	ug/L
|	Ce	140	90317.174	0.24				ug/L
⌊>	Tb	159	376227.401	376227.40				ug/L
⌈	Ho	165	3040.767	0.01				ug/L
|	Tl	203	11392.960	0.04	1.6928	0.133	7.877	ug/L
|	Tl	205	27908.571	0.09	1.6843	0.165	9.776	ug/L
|	Pb	206	153978.090	0.48	28.2174	2.292	8.122	ug/L
|	Pb	207	132024.867	0.41	25.8863	2.249	8.688	ug/L
|	Pb	208	612053.760	1.92	26.8671	2.114	7.868	ug/L
|	U	238	104261.167	0.33	3.8623	0.350	9.067	ug/L
⌊>	Bi	209	318064.669	318064.67				ug/L

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⌈	Na	23	2818181.128	19.32	0.6613	0.043	6.478	mg/L
|	Mg	24	3036547.270	21.06	1.0458	0.047	4.504	mg/L
|	K	39	3556542.942	22.66	0.5840	0.028	4.740	mg/L
|	Ca	43	139167.639	0.96	10.2531	0.620	6.050	mg/L
|	Fe	54	4656128.038	31.98	10.0132	0.364	3.635	mg/L
|	Fe	57	2009112.503	13.91	10.1398	0.498	4.914	mg/L
⌊>	Sc-1	45	143980.220	143980.22				mg/L
	Cl	35	97578.449	85298.91				mg/L
	Kr	83	60.667	-4.00				mg/L
	Br	81	17302.972	9633.36				mg/L
	P	31	41891.251	30628.89				mg/L
	S	34	354083.558	211259.39				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.927			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.115			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.809			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		90.249			
⌈	Na	23					

Sample ID: L1103100601
Report Date/Time: Thursday, March 31, 2011 17:19:01
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Approved: April 01, 2011

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100601PS WG360516-01

Sample Date/Time: Thursday, March 31, 2011 17:23:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 79
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17865.999	0.00				ug/L
|	Be	9	15616.853	0.11	58.2656	0.771	1.323	ug/L
|	Al	27	4972156.009	33.57	1049.7177	29.572	2.817	ug/L
⌊>	Sc	45	148020.802	148020.80				ug/L
⌈	Ti	49	2130.443	0.01	4.1573	0.613	14.750	ug/L
|	V	51	485617.630	1.60	61.0655	1.028	1.683	ug/L
|	Cr	52	397749.132	1.29	56.9887	0.508	0.892	ug/L
|	Cr	53	46355.203	0.15	57.7818	1.630	2.821	ug/L
|	Mn	55	1933327.987	6.40	182.5834	5.634	3.086	ug/L
|	Co	59	510710.422	1.69	61.8861	1.649	2.665	ug/L
|	Ni	60	167820.474	0.56	96.7751	2.132	2.203	ug/L
|	Cu	65	188997.404	0.63	106.1534	1.617	1.524	ug/L
|	Zn	66	219557.128	0.73	204.6672	2.999	1.465	ug/L
|>	Ge	72	302120.958	302120.96				ug/L
|	As	75	65657.186	0.22	64.9529	1.080	1.664	ug/L
|	Se	77	5274.724	0.02	64.7369	0.713	1.102	ug/L
|	Se	82	6290.173	0.02	65.1436	1.378	2.115	ug/L
⌊	Rb	85	34891.793	0.12				mg/L
	Y	89	246915.587	17405.40				ug/L
	Rh	103	69.001	55.67				ug/L
⌈	Mo	98	65997.359	0.22	24.0813	0.405	1.683	ug/L
|	Ag	107	320713.047	1.09	55.5199	1.754	3.160	ug/L
|	Cd	114	69493.506	0.24	58.6455	1.135	1.936	ug/L
|>	In	115	294027.224	294027.22				ug/L
|	Sn	118	438.676	0.00	0.0606	0.002	2.937	ug/L
⌊	Sb	123	210822.942	0.72	54.8391	1.186	2.163	ug/L
⌈	Ba	135	1885807.025	5.01	1161.0168	14.451	1.245	ug/L
|	Ce	140	89053.682	0.24				ug/L
⌊>	Tb	159	376278.254	376278.25				ug/L
⌈	Ho	165	3030.763	0.01				ug/L
|	Tl	203	377077.213	1.19	55.9621	0.922	1.648	ug/L
|	Tl	205	919175.797	2.90	55.4981	1.822	3.283	ug/L
|	Pb	206	457521.305	1.44	84.1095	1.421	1.690	ug/L
|	Pb	207	400021.536	1.26	78.6656	1.593	2.025	ug/L
|	Pb	208	1840324.671	5.79	81.0303	1.203	1.485	ug/L
|	U	238	1590896.905	5.01	58.9321	0.445	0.755	ug/L
⌊>	Bi	209	317409.045	317409.05				ug/L

Sample ID: L1103100601PS WG360516-01
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Na	23	2800152.299	18.68	0.6395	0.032	4.949	mg/L	
Mg	24	2925193.921	19.76	0.9808	0.028	2.852	mg/L	
K	39	3553956.897	21.98	0.5661	0.018	3.140	mg/L	
Ca	43	134184.442	0.91	9.6267	0.199	2.068	mg/L	
Fe	54	4631172.930	30.95	9.6903	0.260	2.680	mg/L	
Fe	57	1953645.468	13.17	9.5994	0.181	1.884	mg/L	
> Sc-1	45	148020.802	148020.80				mg/L	
Cl	35	96391.077	84111.54				mg/L	
Kr	83	66.334	1.67				mg/L	
Br	81	17160.047	9490.44				mg/L	
P	31	41286.409	30024.05				mg/L	
S	34	344582.002	201757.84				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.891			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.829			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.822			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		90.063			
Na	23					

Sample ID: L1103100601PS WG360516-01
Report Date/Time: Thursday, March 31, 2011 17:26:10
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Cu 65 Upper, S, EEE	Cu	65	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100601SDL WG360516-02

Sample Date/Time: Thursday, March 31, 2011 17:31:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 80
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17949.462	0.00				ug/L
|	Be	9	26.667	0.00	0.0682	0.013	19.558	ug/L
|	Al	27	867449.797	5.81	181.6264	9.469	5.213	ug/L
⌊>	Sc	45	148951.454	148951.45				ug/L
⌈	Ti	49	426.719	0.00	0.6636	0.190	28.665	ug/L
|	V	51	15100.092	0.04	1.5145	0.015	1.020	ug/L
|	Cr	52	11984.633	0.01	0.4877	0.041	8.339	ug/L
|	Cr	53	750.103	0.00	0.5609	0.081	14.437	ug/L
|	Mn	55	241897.226	0.76	21.6499	0.368	1.698	ug/L
|	Co	59	8299.526	0.03	0.9243	0.012	1.261	ug/L
|	Ni	60	12466.893	0.04	6.7877	0.127	1.874	ug/L
|	Cu	65	15999.284	0.05	8.4908	0.125	1.471	ug/L
|	Zn	66	31579.101	0.10	26.9010	0.294	1.093	ug/L
|>	Ge	72	317912.509	317912.51				ug/L
|	As	75	1409.471	0.00	1.4919	0.089	5.975	ug/L
|	Se	77	128.668	0.00	0.7679	0.245	31.897	ug/L
|	Se	82	65.436	0.00	0.5976	0.068	11.300	ug/L
⌊	Rb	85	6277.032	0.02				mg/L
	Y	89	224214.745	-5295.44				ug/L
	Rh	103	20.000	6.67				ug/L
⌈	Mo	98	11243.415	0.04	3.9606	0.075	1.893	ug/L
|	Ag	107	271.673	0.00	0.0480	0.005	10.427	ug/L
|	Cd	114	363.498	0.00	0.2772	0.008	3.057	ug/L
|>	In	115	303814.073	303814.07				ug/L
|	Sn	118	126.934	-0.00	-0.0123	0.002	19.029	ug/L
⌊	Sb	123	442.546	0.00	0.1175	0.006	5.493	ug/L
⌈	Ba	135	314024.678	0.83	192.7407	1.152	0.598	ug/L
|	Ce	140	15149.649	0.04				ug/L
⌊>	Tb	159	377404.642	377404.64				ug/L
⌈	Ho	165	513.398	0.00				ug/L
|	Tl	203	2084.572	0.01	0.3068	0.013	4.239	ug/L
|	Tl	205	4928.384	0.02	0.2914	0.025	8.715	ug/L
|	Pb	206	26824.201	0.08	4.7496	0.112	2.358	ug/L
|	Pb	207	22597.735	0.07	4.2864	0.082	1.902	ug/L
|	Pb	208	105733.348	0.32	4.4887	0.061	1.367	ug/L
|	U	238	17258.054	0.05	0.6301	0.006	0.970	ug/L
⌊>	Bi	209	326103.434	326103.43				ug/L

Approved: April 01, 2011

Na	23	554572.549	3.49	0.1190	0.002	1.550	mg/L	
Mg	24	573228.791	3.84	0.1888	0.009	4.540	mg/L	
K	39	989467.746	4.61	0.1132	0.006	5.341	mg/L	
Ca	43	23907.616	0.16	1.6930	0.019	1.138	mg/L	
Fe	54	846794.887	5.35	1.6699	0.081	4.875	mg/L	
Fe	57	342424.557	2.27	1.6505	0.046	2.802	mg/L	
> Sc-1	45	148951.454	148951.45				mg/L	
Cl	35	30222.280	17942.74				mg/L	
Kr	83	65.001	0.33				mg/L	
Br	81	9533.880	1864.27				mg/L	
P	31	9577.252	-1685.11				mg/L	
S	34	172173.856	29349.69				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.694			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.819			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		92.097			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		92.530			
Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1103100601SDL WG360516-02
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 17:38:14
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17799.202	0.00				ug/L
|	Be	9	14806.956	0.10	54.2813	2.038	3.755	ug/L
|	Al	27	256219.283	1.68	52.5264	2.787	5.305	ug/L
⌊>	Sc	45	150727.863	150727.86				ug/L
⌈	Ti	49	50388.345	0.16	98.4193	1.449	1.472	ug/L
|	V	51	413740.714	1.32	50.2008	0.280	0.557	ug/L
|	Cr	52	366081.432	1.14	50.5330	0.236	0.468	ug/L
|	Cr	53	41941.979	0.13	50.4572	0.987	1.955	ug/L
|	Mn	55	565001.355	1.81	51.4887	0.227	0.441	ug/L
|	Co	59	451966.514	1.44	52.8941	0.449	0.849	ug/L
|	Ni	60	95726.962	0.31	53.2981	0.309	0.580	ug/L
|	Cu	65	96546.490	0.31	52.3531	0.688	1.314	ug/L
|	Zn	66	59619.123	0.19	52.7631	0.108	0.205	ug/L
|>	Ge	72	312775.533	312775.53				ug/L
|	As	75	53904.652	0.17	51.5432	0.176	0.341	ug/L
|	Se	77	4450.990	0.01	52.6275	0.842	1.601	ug/L
|	Se	82	5394.665	0.02	53.9559	0.750	1.389	ug/L
⌊	Rb	85	2169.924	0.01				mg/L
	Y	89	214215.273	-15294.92				ug/L
	Rh	103	38.000	24.67				ug/L
⌈	Mo	98	296944.535	0.97	104.4608	1.094	1.048	ug/L
|	Ag	107	306674.539	1.01	51.1744	0.547	1.069	ug/L
|	Cd	114	63440.567	0.21	51.5899	0.793	1.536	ug/L
|>	In	115	305051.823	305051.82				ug/L
|	Sn	118	227842.449	0.75	50.6635	0.177	0.350	ug/L
⌊	Sb	123	200340.349	0.66	50.2229	0.139	0.277	ug/L
⌈	Ba	135	83005.917	0.22	51.4288	0.238	0.463	ug/L
|	Ce	140	73.341	0.00				ug/L
⌊>	Tb	159	373706.539	373706.54				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	347568.539	1.07	50.5142	0.402	0.796	ug/L
|	Tl	205	862816.084	2.66	51.0279	0.500	0.980	ug/L
|	Pb	206	281080.709	0.87	50.5909	0.787	1.555	ug/L
|	Pb	207	262057.220	0.81	50.4558	0.317	0.629	ug/L
|	Pb	208	1170914.030	3.61	50.4781	0.616	1.220	ug/L
|	U	238	1463738.424	4.52	53.1062	0.771	1.451	ug/L
⌊>	Bi	209	324126.481	324126.48				ug/L

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Na	23	22405526.165	148.47	5.0855	0.146	2.876	mg/L
Mg	24	15211334.216	100.96	5.0222	0.148	2.945	mg/L
K	39	30560994.373	200.81	5.2302	0.151	2.892	mg/L
Ca	43	74453.705	0.49	5.2408	0.181	3.450	mg/L
Fe	54	2689338.620	17.51	5.4782	0.089	1.624	mg/L
Fe	57	1123033.345	7.42	5.4078	0.052	0.960	mg/L
Sc-1	45	150727.863	150727.86				mg/L
Cl	35	14937.148	2657.61				mg/L
Kr	83	62.667	-2.00				mg/L
Br	81	8235.395	565.79				mg/L
P	31	7502.837	-3759.52				mg/L
S	34	138411.050	-4413.11				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	100.402				
Cr	52	101.066				
Cr	53					
Mn	55	102.977				
Co	59	105.788				
Ni	60	106.596				
Cu	65	104.706				
Zn	66	105.526				
Ge	72		95.131			
As	75	103.086				
Se	77					
Se	82	107.912				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	102.349				
Cd	114	103.180				
In	115		93.198			
Sn	118					
Sb	123	100.446				
Ba	135	102.858				
Ce	140					
Tb	159		91.194			
Ho	165					
Tl	203	101.028				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.956				
U	238	106.212				
Bi	209		91.969			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 17:40:27

Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 17:45:20
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18751.052	-0.00				ug/L
|	Be	9	9.333	-0.00	0.0004	0.024	6803.344	ug/L
|	Al	27	2083.551	-0.01	-0.1779	0.016	9.208	ug/L
⌊>	Sc	45	162392.229	162392.23				ug/L
⌈	Ti	49	20.002	-0.00	-0.1198	0.032	27.112	ug/L
|	V	51	2741.312	0.00	0.0222	0.002	10.831	ug/L
|	Cr	52	9339.787	0.00	0.0877	0.005	6.119	ug/L
|	Cr	53	266.697	-0.00	-0.0228	0.077	338.217	ug/L
|	Mn	55	377.011	-0.00	-0.0340	0.001	3.447	ug/L
|	Co	59	83.001	-0.00	-0.0226	0.001	3.978	ug/L
|	Ni	60	40.334	-0.00	-0.0255	0.006	23.781	ug/L
|	Cu	65	81.001	0.00	-0.0108	0.004	39.579	ug/L
|	Zn	66	208.671	0.00	-1.0626	0.006	0.562	ug/L
|>	Ge	72	326019.907	326019.91				ug/L
|	As	75	-177.650	-0.00	0.0080	0.037	466.037	ug/L
|	Se	77	79.334	0.00	0.1611	0.252	156.594	ug/L
|	Se	82	3.128	0.00	-0.0164	0.062	376.955	ug/L
⌊	Rb	85	25.334	0.00				mg/L
	Y	89	227819.752	-1690.44				ug/L
	Rh	103	10.667	-2.67				ug/L
⌈	Mo	98	181.907	0.00	0.0509	0.004	8.183	ug/L
|	Ag	107	60.334	0.00	0.0122	0.003	22.286	ug/L
|	Cd	114	4.059	0.00	-0.0166	0.003	18.825	ug/L
|>	In	115	316420.829	316420.83				ug/L
|	Sn	118	304.271	0.00	0.0246	0.004	14.431	ug/L
⌊	Sb	123	223.618	0.00	0.0601	0.005	7.859	ug/L
⌈	Ba	135	41.334	0.00	-0.0025	0.002	60.201	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	392056.788	392056.79				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	72.668	0.00	0.0159	0.002	9.862	ug/L
|	Tl	205	160.017	0.00	0.0113	0.003	22.173	ug/L
|	Pb	206	317.008	0.00	0.0002	0.005	2499.746	ug/L
|	Pb	207	257.673	-0.00	0.0056	0.001	24.281	ug/L
|	Pb	208	1179.372	0.00	0.0035	0.002	54.263	ug/L
|	U	238	88.668	0.00	0.0110	0.000	3.714	ug/L
⌊>	Bi	209	333043.580	333043.58				ug/L

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Na	23	23767.277	-0.09	-0.0036	0.000	2.290	mg/L
Mg	24	660.088	-0.00	-0.0026	0.000	1.313	mg/L
K	39	366383.848	0.22	-0.0012	0.002	159.145	mg/L
Ca	43	176.686	0.00	-0.0021	0.003	126.672	mg/L
Fe	54	56227.880	0.01	-0.0038	0.001	20.559	mg/L
Fe	57	6819.677	0.01	0.0038	0.001	28.581	mg/L
Sc-1	45	162392.229	162392.23				mg/L
Cl	35	14398.359	2118.82				mg/L
Kr	83	62.001	-2.67				mg/L
Br	81	8498.276	828.67				mg/L
P	31	10682.381	-579.98				mg/L
S	34	152476.491	9652.33				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		99.160			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		96.671			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		95.672			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		94.499			
Na	23					

Sample ID: QC Std 7
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Method 6020 - Summary Report

Sample ID: L1103100801

Sample Date/Time: Thursday, March 31, 2011 17:52:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 81
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17532.076	-0.00				ug/L
|	Be	9	104.667	0.00	0.3422	0.104	30.480	ug/L
|	Al	27	11899485.132	76.58	2394.2434	144.965	6.055	ug/L
⌊>	Sc	45	155466.133	155466.13				ug/L
⌈	Ti	49	1116.841	0.00	1.9716	0.116	5.884	ug/L
|	V	51	31075.976	0.09	3.3962	0.136	3.991	ug/L
|	Cr	52	35674.243	0.09	3.7310	0.133	3.564	ug/L
|	Cr	53	3414.259	0.01	3.6936	0.230	6.221	ug/L
|	Mn	55	2177483.860	6.78	193.4778	6.393	3.305	ug/L
|	Co	59	26803.847	0.08	3.0257	0.117	3.860	ug/L
|	Ni	60	13516.942	0.04	7.2900	0.283	3.877	ug/L
|	Cu	65	11607.856	0.04	6.0844	0.207	3.403	ug/L
|	Zn	66	24221.902	0.07	20.1289	0.689	3.424	ug/L
|>	Ge	72	321070.589	321070.59				ug/L
|	As	75	4008.962	0.01	3.8922	0.100	2.567	ug/L
|	Se	77	93.334	0.00	0.3415	0.341	99.919	ug/L
|	Se	82	33.030	0.00	0.2756	0.173	62.844	ug/L
⌊	Rb	85	35258.100	0.11				mg/L
	Y	89	265908.991	36398.80				ug/L
	Rh	103	21.334	8.00				ug/L
⌈	Mo	98	2241.141	0.01	0.7679	0.029	3.820	ug/L
|	Ag	107	194.004	0.00	0.0344	0.001	4.348	ug/L
|	Cd	114	42.944	0.00	0.0148	0.010	70.023	ug/L
|>	In	115	308890.683	308890.68				ug/L
|	Sn	118	305.338	0.00	0.0264	0.003	10.604	ug/L
⌊	Sb	123	77.281	-0.00	0.0252	0.001	5.519	ug/L
⌈	Ba	135	51843.313	0.14	31.6396	1.098	3.470	ug/L
|	Ce	140	231627.098	0.61				ug/L
⌊>	Tb	159	379296.550	379296.55				ug/L
⌈	Ho	165	3107.460	0.01				ug/L
|	Tl	203	569.022	0.00	0.0887	0.004	4.600	ug/L
|	Tl	205	1430.247	0.00	0.0871	0.013	14.825	ug/L
|	Pb	206	39806.864	0.12	7.1510	0.274	3.833	ug/L
|	Pb	207	32717.484	0.10	6.2922	0.266	4.235	ug/L
|	Pb	208	155518.733	0.48	6.6962	0.253	3.772	ug/L
|	U	238	21315.247	0.07	0.7847	0.020	2.527	ug/L
⌊>	Bi	209	322599.994	322599.99				ug/L

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Na	23	8280337.832	53.07	1.8175	0.125	6.877	mg/L	
Mg	24	3888120.797	25.02	1.2428	0.077	6.157	mg/L	
K	39	2999225.978	17.27	0.4434	0.028	6.361	mg/L	
Ca	43	40312.054	0.26	2.7463	0.238	8.669	mg/L	
Fe	54	4734085.962	30.13	9.4335	0.473	5.011	mg/L	
Fe	57	2055326.759	13.20	9.6220	0.612	6.363	mg/L	
Sc-1	45	155466.133	155466.13				mg/L	
Cl	35	25205.735	12926.20				mg/L	
Kr	83	73.334	8.67				mg/L	
Br	81	12586.585	4916.98				mg/L	
P	31	48338.025	37075.66				mg/L	
S	34	181583.509	38759.34				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		97.654			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		94.370			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		92.558			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		91.536			
Na	23					

Sample ID: L1103100801
Report Date/Time: Thursday, March 31, 2011 17:54:41

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103100803

Sample Date/Time: Thursday, March 31, 2011 17:59:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 82
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18249.975	0.00				ug/L
|	Be	9	96.000	0.00	0.3122	0.032	10.202	ug/L
|	Al	27	12822954.846	83.03	2596.1639	73.889	2.846	ug/L
⌊>	Sc	45	154450.748	154450.75				ug/L
⌈	Ti	49	7973.987	0.03	15.4724	1.097	7.093	ug/L
|	V	51	42482.863	0.13	4.8976	0.154	3.146	ug/L
|	Cr	52	45314.245	0.12	5.2363	0.107	2.038	ug/L
|	Cr	53	4751.604	0.01	5.4332	0.189	3.487	ug/L
|	Mn	55	1986930.746	6.36	181.6262	6.830	3.760	ug/L
|	Co	59	27628.750	0.09	3.2103	0.107	3.340	ug/L
|	Ni	60	14403.847	0.05	7.9970	0.224	2.805	ug/L
|	Cu	65	15649.734	0.05	8.4595	0.277	3.279	ug/L
|	Zn	66	32270.989	0.10	28.0520	0.671	2.390	ug/L
|>	Ge	72	312124.042	312124.04				ug/L
|	As	75	4395.411	0.01	4.3684	0.124	2.831	ug/L
|	Se	77	70.667	0.00	0.0988	0.041	41.097	ug/L
|	Se	82	13.090	0.00	0.0847	0.082	96.370	ug/L
⌊	Rb	85	43776.086	0.14				mg/L
	Y	89	244620.033	15109.84				ug/L
	Rh	103	25.334	12.00				ug/L
⌈	Mo	98	1218.255	0.00	0.4212	0.011	2.585	ug/L
|	Ag	107	162.003	0.00	0.0297	0.003	8.660	ug/L
|	Cd	114	176.100	0.00	0.1248	0.008	6.645	ug/L
|>	In	115	302603.362	302603.36				ug/L
|	Sn	118	559.349	0.00	0.0848	0.003	3.514	ug/L
⌊	Sb	123	170.283	0.00	0.0491	0.003	6.535	ug/L
⌈	Ba	135	65609.226	0.18	40.8475	0.716	1.753	ug/L
|	Ce	140	136813.551	0.37				ug/L
⌊>	Tb	159	371850.450	371850.45				ug/L
⌈	Ho	165	2207.131	0.01				ug/L
|	Tl	203	273.673	0.00	0.0455	0.002	5.370	ug/L
|	Tl	205	640.084	0.00	0.0401	0.001	1.581	ug/L
|	Pb	206	29048.767	0.09	5.1933	0.073	1.403	ug/L
|	Pb	207	24243.267	0.07	4.6427	0.078	1.688	ug/L
|	Pb	208	114535.337	0.35	4.9100	0.063	1.280	ug/L
|	U	238	11910.876	0.04	0.4411	0.004	0.984	ug/L
⌊>	Bi	209	323166.187	323166.19				ug/L

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Na	23	4658916.549	29.94	1.0251	0.035	3.381	mg/L	
Mg	24	3832972.489	24.82	1.2328	0.052	4.183	mg/L	
K	39	3102423.787	18.06	0.4640	0.011	2.430	mg/L	
Ca	43	144809.423	0.94	9.9566	0.229	2.297	mg/L	
Fe	54	3953335.503	25.26	7.9073	0.162	2.046	mg/L	
Fe	57	1702335.851	10.99	8.0160	0.319	3.978	mg/L	
> Sc-1	45	154450.748	154450.75				mg/L	
Cl	35	23194.869	10915.33				mg/L	
Kr	83	66.334	1.67				mg/L	
Br	81	10811.844	3142.24				mg/L	
P	31	35399.232	24136.87				mg/L	
S	34	154322.461	11498.30				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		94.933			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.449			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		90.741			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		91.696			
Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103101001

Sample Date/Time: Thursday, March 31, 2011 18:06:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 83
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17799.170	0.00				ug/L
|	Be	9	80.000	0.00	0.2677	0.033	12.149	ug/L
|	Al	27	7251283.742	49.04	1533.1840	141.244	9.212	ug/L
⌊>	Sc	45	147801.569	147801.57				ug/L
⌈	Ti	49	1356.896	0.00	2.5782	0.373	14.483	ug/L
|	V	51	62936.176	0.20	7.6184	0.480	6.300	ug/L
|	Cr	52	30854.903	0.08	3.3142	0.205	6.171	ug/L
|	Cr	53	2707.304	0.01	3.0463	0.141	4.627	ug/L
|	Mn	55	3211729.911	10.58	301.9853	18.216	6.032	ug/L
|	Co	59	44767.687	0.15	5.3712	0.334	6.224	ug/L
|	Ni	60	67929.505	0.22	38.9689	2.348	6.026	ug/L
|	Cu	65	69611.569	0.23	38.8905	1.983	5.098	ug/L
|	Zn	66	155956.556	0.51	144.3649	7.159	4.959	ug/L
|>	Ge	72	303463.014	303463.01				ug/L
|	As	75	27160.382	0.09	26.8486	1.384	5.157	ug/L
|	Se	77	228.669	0.00	2.0759	0.216	10.390	ug/L
|	Se	82	194.991	0.00	1.9653	0.094	4.758	ug/L
⌊	Rb	85	44795.383	0.15				mg/L
	Y	89	273988.465	44478.28				ug/L
	Rh	103	163.003	149.67				ug/L
⌈	Mo	98	60555.762	0.21	22.4616	1.121	4.992	ug/L
|	Ag	107	1260.759	0.00	0.2244	0.014	6.283	ug/L
|	Cd	114	1753.194	0.01	1.4850	0.043	2.908	ug/L
|>	In	115	289142.585	289142.58				ug/L
|	Sn	118	397.075	0.00	0.0525	0.002	3.894	ug/L
⌊	Sb	123	558.665	0.00	0.1537	0.012	7.926	ug/L
⌈	Ba	135	1219890.613	3.27	757.1530	41.635	5.499	ug/L
|	Ce	140	148626.804	0.40				ug/L
⌊>	Tb	159	373245.193	373245.19				ug/L
⌈	Ho	165	4304.690	0.01				ug/L
|	Tl	203	10986.148	0.03	1.6276	0.088	5.405	ug/L
|	Tl	205	26089.979	0.08	1.5696	0.092	5.858	ug/L
|	Pb	206	575381.671	1.80	105.2540	4.969	4.721	ug/L
|	Pb	207	496739.361	1.56	97.2065	5.596	5.757	ug/L
|	Pb	208	2304993.850	7.22	100.9878	5.243	5.192	ug/L
|	U	238	116797.906	0.37	4.3122	0.282	6.535	ug/L
⌊>	Bi	209	319179.063	319179.06				ug/L

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⌈	Na	23	4148186.161	27.83	0.9529	0.072	7.550	mg/L
|	Mg	24	3635671.439	24.60	1.2221	0.114	9.336	mg/L
|	K	39	4424014.456	27.90	0.7206	0.028	3.939	mg/L
|	Ca	43	221412.421	1.50	15.9167	0.505	3.172	mg/L
|	Fe	54	4316892.077	28.87	9.0367	0.641	7.096	mg/L
|	Fe	57	1860951.764	12.56	9.1560	0.541	5.909	mg/L
⌊>	Sc-1	45	147801.569	147801.57				mg/L
	Cl	35	172858.028	160578.49				mg/L
	Kr	83	78.334	13.67				mg/L
	Br	81	23309.147	15639.54				mg/L
	P	31	37044.708	25782.35				mg/L
	S	34	285769.874	142945.71				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.299			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.337			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.082			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		90.565			
⌈	Na	23					

Sample ID: L1103101001
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Approved: April 01, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	
Pb 206 Upper, S, EEE	Pb	206	
Pb 208 Upper, S, EEE	Pb	208	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103101201

Sample Date/Time: Thursday, March 31, 2011 18:13:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 84
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18750.914	0.01				ug/L
|	Be	9	106.667	0.00	0.3522	0.027	7.687	ug/L
|	Al	27	13688699.928	89.50	2798.3007	354.902	12.683	ug/L
⌊>	Sc	45	153966.404	153966.40				ug/L
⌈	Ti	49	803.446	0.00	1.3956	0.184	13.201	ug/L
|	V	51	32914.600	0.10	3.6700	0.266	7.252	ug/L
|	Cr	52	42084.307	0.11	4.6946	0.354	7.531	ug/L
|	Cr	53	4154.613	0.01	4.6370	0.253	5.457	ug/L
|	Mn	55	1712986.471	5.41	154.3455	9.133	5.917	ug/L
|	Co	59	32216.621	0.10	3.6950	0.263	7.130	ug/L
|	Ni	60	14971.036	0.05	8.1944	0.478	5.829	ug/L
|	Cu	65	13459.539	0.04	7.1642	0.434	6.052	ug/L
|	Zn	66	26981.372	0.08	22.9014	1.532	6.690	ug/L
|>	Ge	72	316665.883	316665.88				ug/L
|	As	75	4010.079	0.01	3.9457	0.178	4.517	ug/L
|	Se	77	75.334	0.00	0.1417	0.093	65.931	ug/L
|	Se	82	10.093	0.00	0.0528	0.105	199.512	ug/L
⌊	Rb	85	35602.098	0.11				mg/L
	Y	89	245825.783	16315.59				ug/L
	Rh	103	27.667	14.33				ug/L
⌈	Mo	98	1712.479	0.01	0.6016	0.037	6.161	ug/L
|	Ag	107	170.003	0.00	0.0313	0.002	5.294	ug/L
|	Cd	114	35.298	0.00	0.0094	0.002	24.309	ug/L
|>	In	115	300081.753	300081.75				ug/L
|	Sn	118	265.604	0.00	0.0194	0.002	12.666	ug/L
⌊	Sb	123	62.364	-0.00	0.0220	0.002	6.851	ug/L
⌈	Ba	135	178145.143	0.48	111.0731	7.775	7.000	ug/L
|	Ce	140	208521.652	0.56				ug/L
⌊>	Tb	159	371564.949	371564.95				ug/L
⌈	Ho	165	2507.233	0.01				ug/L
|	Tl	203	474.349	0.00	0.0742	0.005	7.267	ug/L
|	Tl	205	1153.516	0.00	0.0699	0.008	11.690	ug/L
|	Pb	206	44611.949	0.14	7.9364	0.485	6.117	ug/L
|	Pb	207	36619.155	0.11	6.9738	0.494	7.082	ug/L
|	Pb	208	175091.692	0.53	7.4655	0.465	6.228	ug/L
|	U	238	16271.427	0.05	0.5947	0.040	6.779	ug/L
⌊>	Bi	209	326027.037	326027.04				ug/L

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Na	23	6223615.448	40.41	1.3838	0.136	9.803	mg/L	
Mg	24	4363188.792	28.50	1.4161	0.161	11.375	mg/L	
K	39	2984148.851	17.43	0.4476	0.047	10.422	mg/L	
Ca	43	51176.080	0.33	3.5375	0.335	9.482	mg/L	
Fe	54	4216619.644	27.21	8.5180	0.940	11.034	mg/L	
Fe	57	1807773.948	11.78	8.5907	0.965	11.227	mg/L	
Sc-1	45	153966.404	153966.40				mg/L	
Cl	35	27627.478	15347.94				mg/L	
Kr	83	66.001	1.33				mg/L	
Br	81	9539.883	1870.28				mg/L	
P	31	37911.907	26649.55				mg/L	
S	34	168454.544	25630.38				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.315			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		91.679			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		90.672			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		92.508			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103101203

Sample Date/Time: Thursday, March 31, 2011 18:21:00
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 85
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18199.911	0.01				ug/L
|	Be	9	70.000	0.00	0.2296	0.021	9.000	ug/L
|	Al	27	10946904.289	73.74	2305.6243	158.019	6.854	ug/L
⌊>	Sc	45	148377.475	148377.47				ug/L
⌈	Ti	49	593.411	0.00	1.0119	0.243	24.054	ug/L
|	V	51	34292.855	0.10	3.9202	0.236	6.020	ug/L
|	Cr	52	36084.848	0.09	3.9609	0.211	5.333	ug/L
|	Cr	53	3497.629	0.01	3.9398	0.180	4.562	ug/L
|	Mn	55	2064978.605	6.65	189.8737	9.530	5.019	ug/L
|	Co	59	29991.734	0.10	3.5079	0.209	5.960	ug/L
|	Ni	60	19252.109	0.06	10.7670	0.574	5.330	ug/L
|	Cu	65	29270.601	0.09	15.9606	1.028	6.439	ug/L
|	Zn	66	35692.899	0.11	31.3436	2.003	6.390	ug/L
|>	Ge	72	310062.352	310062.35				ug/L
|	As	75	7742.452	0.03	7.6079	0.416	5.462	ug/L
|	Se	77	98.667	0.00	0.4425	0.077	17.326	ug/L
|	Se	82	19.021	0.00	0.1466	0.089	60.486	ug/L
⌊	Rb	85	38469.490	0.12				mg/L
	Y	89	234385.448	4875.26				ug/L
	Rh	103	83.001	69.67				ug/L
⌈	Mo	98	5496.886	0.02	1.9878	0.125	6.283	ug/L
|	Ag	107	342.009	0.00	0.0614	0.006	10.491	ug/L
|	Cd	114	217.062	0.00	0.1628	0.009	5.401	ug/L
|>	In	115	295033.809	295033.81				ug/L
|	Sn	118	438.676	0.00	0.0602	0.007	11.652	ug/L
⌊	Sb	123	130.699	0.00	0.0399	0.005	12.317	ug/L
⌈	Ba	135	1230636.345	3.31	767.5096	61.071	7.957	ug/L
|	Ce	140	114381.482	0.31				ug/L
⌊>	Tb	159	371581.457	371581.46				ug/L
⌈	Ho	165	1833.688	0.01				ug/L
|	Tl	203	1550.803	0.00	0.2335	0.019	8.201	ug/L
|	Tl	205	3761.084	0.01	0.2268	0.008	3.681	ug/L
|	Pb	206	222421.923	0.69	40.4669	2.797	6.913	ug/L
|	Pb	207	195533.869	0.61	38.0586	2.698	7.090	ug/L
|	Pb	208	897423.478	2.80	39.1074	2.658	6.796	ug/L
|	U	238	16372.918	0.05	0.6084	0.043	7.015	ug/L
⌊>	Bi	209	320741.151	320741.15				ug/L

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Na	23	3748002.007	25.03	0.8569	0.055	6.405	mg/L	
Mg	24	3805541.435	25.65	1.2743	0.111	8.738	mg/L	
K	39	3927079.189	24.45	0.6306	0.044	6.974	mg/L	
Ca	43	111346.619	0.75	7.9692	0.557	6.986	mg/L	
Fe	54	3593250.057	23.88	7.4759	0.464	6.202	mg/L	
Fe	57	1571079.318	10.56	7.6980	0.501	6.505	mg/L	
Sc-1	45	148377.475	148377.47				mg/L	
Cl	35	73912.932	61633.39				mg/L	
Kr	83	74.334	9.67				mg/L	
Br	81	14027.839	6358.23				mg/L	
P	31	33219.874	21957.51				mg/L	
S	34	197849.676	55025.51				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		94.306			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		90.137			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		90.676			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		91.008			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103103001

Sample Date/Time: Thursday, March 31, 2011 18:28:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 86
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17682.305	-0.02				ug/L
|	Be	9	49.333	0.00	0.1161	0.017	14.737	ug/L
|	Al	27	29714252.220	160.47	5017.1720	476.796	9.503	ug/L
⌊>	Sc	45	185099.076	185099.08				ug/L
⌈	Ti	49	14762.402	0.05	29.0158	2.356	8.118	ug/L
|	V	51	155438.541	0.49	18.8619	1.395	7.395	ug/L
|	Cr	52	32267.101	0.08	3.4251	0.307	8.956	ug/L
|	Cr	53	2997.418	0.01	3.3320	0.363	10.885	ug/L
|	Mn	55	675690.003	2.18	62.1982	5.202	8.364	ug/L
|	Co	59	17502.209	0.06	2.0380	0.171	8.402	ug/L
|	Ni	60	4021.184	0.01	2.2158	0.143	6.473	ug/L
|	Cu	65	7383.474	0.02	3.9941	0.288	7.210	ug/L
|	Zn	66	9911.687	0.03	7.8234	0.577	7.380	ug/L
|>	Ge	72	309765.815	309765.81				ug/L
|	As	75	719.686	0.00	0.8632	0.073	8.425	ug/L
|	Se	77	76.000	0.00	0.1701	0.078	45.819	ug/L
|	Se	82	-1.029	0.00	-0.0563	0.159	282.155	ug/L
⌊	Rb	85	36732.251	0.12				mg/L
	Y	89	240690.498	11180.31				ug/L
	Rh	103	11.667	-1.67				ug/L
⌈	Mo	98	115.463	-0.00	0.0310	0.005	15.057	ug/L
|	Ag	107	80.001	0.00	0.0162	0.001	3.883	ug/L
|	Cd	114	-0.706	0.00	-0.0203	0.003	16.708	ug/L
|>	In	115	296707.964	296707.96				ug/L
|	Sn	118	180.268	0.00	0.0006	0.001	207.709	ug/L
⌊	Sb	123	29.117	-0.00	0.0136	0.001	5.042	ug/L
⌈	Ba	135	31144.912	0.09	19.7530	1.369	6.929	ug/L
|	Ce	140	273552.390	0.75				ug/L
⌊>	Tb	159	364689.532	364689.53				ug/L
⌈	Ho	165	2440.542	0.01				ug/L
|	Tl	203	300.341	0.00	0.0491	0.005	9.517	ug/L
|	Tl	205	633.417	0.00	0.0394	0.004	9.415	ug/L
|	Pb	206	19732.039	0.06	3.4873	0.221	6.326	ug/L
|	Pb	207	16609.668	0.05	3.1468	0.224	7.126	ug/L
|	Pb	208	78302.701	0.24	3.3205	0.238	7.169	ug/L
|	U	238	10895.734	0.03	0.4017	0.030	7.359	ug/L
⌊>	Bi	209	325171.229	325171.23				ug/L

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Na	23	75656.930	0.17	0.0054	0.001	17.503	mg/L
Mg	24	609877.160	3.29	0.1611	0.011	6.746	mg/L
K	39	1643620.423	6.85	0.1716	0.017	9.792	mg/L
Ca	43	850.121	0.00	0.0354	0.007	20.993	mg/L
Fe	54	5196201.214	27.76	8.6894	0.702	8.075	mg/L
Fe	57	2303097.616	12.42	9.0569	0.904	9.978	mg/L
Sc-1	45	185099.076	185099.08				mg/L
Cl	35	13605.251	1325.71				mg/L
Kr	83	80.001	15.33				mg/L
Br	81	7708.971	39.36				mg/L
P	31	62333.582	51071.22				mg/L
S	34	105605.886	-37218.28				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		94.216			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		90.648			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		88.994			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		92.265			
Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103103001
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103103002

Sample Date/Time: Thursday, March 31, 2011 18:35:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 87
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18967.989	-0.01				ug/L
|	Be	9	133.334	0.00	0.4010	0.038	9.559	ug/L
|	Al	27	29714252.220	173.85	5435.4886	212.738	3.914	ug/L
|>	Sc	45	170781.201	170781.20				ug/L
⌈	Ti	49	2457.262	0.01	4.6498	2.392	51.441	ug/L
|	V	51	49146.033	0.15	5.6826	0.620	10.915	ug/L
|	Cr	52	47358.135	0.12	5.4919	0.587	10.690	ug/L
|	Cr	53	4978.404	0.01	5.6762	0.253	4.451	ug/L
|	Mn	55	1393877.622	4.44	126.7549	12.245	9.660	ug/L
|	Co	59	27876.328	0.09	3.2231	0.349	10.840	ug/L
|	Ni	60	8052.348	0.03	4.4280	0.542	12.232	ug/L
|	Cu	65	5406.191	0.02	2.8733	0.321	11.169	ug/L
|	Zn	66	10026.812	0.03	7.8126	0.808	10.345	ug/L
|>	Ge	72	313877.273	313877.27				ug/L
|	As	75	117.825	0.00	0.2824	0.004	1.514	ug/L
|	Se	77	121.334	0.00	0.6999	0.145	20.739	ug/L
|	Se	82	-1.826	0.00	-0.0655	0.092	140.471	ug/L
⌊	Rb	85	21866.857	0.07				mg/L
	Y	89	440471.632	210961.44				ug/L
	Rh	103	13.667	0.33				ug/L
⌈	Mo	98	43.242	-0.00	0.0048	0.002	49.048	ug/L
|	Ag	107	94.668	0.00	0.0187	0.002	12.013	ug/L
|	Cd	114	36.167	0.00	0.0106	0.005	43.127	ug/L
|>	In	115	296036.773	296036.77				ug/L
|	Sn	118	95.200	-0.00	-0.0189	0.002	9.299	ug/L
⌊	Sb	123	49.781	-0.00	0.0189	0.002	9.261	ug/L
⌈	Ba	135	26558.018	0.07	16.3338	1.597	9.779	ug/L
|	Ce	140	600109.055	1.60				ug/L
|>	Tb	159	376183.061	376183.06				ug/L
⌈	Ho	165	15393.409	0.05				ug/L
|	Tl	203	161.003	0.00	0.0292	0.003	11.427	ug/L
|	Tl	205	433.386	0.00	0.0279	0.003	9.778	ug/L
|	Pb	206	6001.538	0.02	1.0343	0.102	9.895	ug/L
|	Pb	207	4564.426	0.01	0.8437	0.078	9.284	ug/L
|	Pb	208	22701.160	0.07	0.9410	0.095	10.102	ug/L
|	U	238	6977.524	0.02	0.2629	0.029	10.981	ug/L
|>	Bi	209	321631.143	321631.14				ug/L

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Na	23	1951701.522	11.20	0.3833	0.012	3.178	mg/L	
Mg	24	575134.143	3.36	0.1649	0.010	6.305	mg/L	
K	39	1356958.159	5.91	0.1472	0.013	9.126	mg/L	
Ca	43	1283.545	0.01	0.0662	0.010	14.453	mg/L	
Fe	54	4857156.129	28.09	8.7939	0.717	8.156	mg/L	
Fe	57	2101939.082	12.27	8.9438	0.580	6.485	mg/L	
> Sc-1	45	170781.201	170781.20				mg/L	
Cl	35	10997.379	-1282.16				mg/L	
Kr	83	95.001	30.33				mg/L	
Br	81	7666.271	-3.34				mg/L	
P	31	51476.975	40214.61				mg/L	
S	34	105392.930	-37431.23				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.466			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.443			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.799			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		91.261			
Na	23					

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Report Date/Time: Thursday, March 31, 2011 18:37:28
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: L1103103004 WG360489-01

Sample Date/Time: Thursday, March 31, 2011 18:42:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 88
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18550.610	-0.00				ug/L
|	Be	9	60.000	0.00	0.1712	0.027	15.833	ug/L
|	Al	27	23129663.103	141.40	4421.1040	354.730	8.024	ug/L
⌊>	Sc	45	163866.783	163866.78				ug/L
⌈	Ti	49	29824.071	0.09	57.9392	1.596	2.755	ug/L
|	V	51	101296.645	0.32	12.0118	0.383	3.186	ug/L
|	Cr	52	39607.376	0.10	4.3927	0.146	3.313	ug/L
|	Cr	53	4104.587	0.01	4.6161	0.225	4.881	ug/L
|	Mn	55	643099.960	2.05	58.3638	2.384	4.084	ug/L
|	Co	59	22501.863	0.07	2.5918	0.087	3.355	ug/L
|	Ni	60	4650.796	0.01	2.5335	0.132	5.215	ug/L
|	Cu	65	5322.804	0.02	2.8238	0.122	4.319	ug/L
|	Zn	66	10882.702	0.03	8.5724	0.478	5.580	ug/L
|>	Ge	72	314135.551	314135.55				ug/L
|	As	75	164.111	0.00	0.3263	0.067	20.428	ug/L
|	Se	77	91.334	0.00	0.3402	0.094	27.544	ug/L
|	Se	82	9.290	0.00	0.0461	0.157	339.856	ug/L
⌊	Rb	85	30317.217	0.10				mg/L
	Y	89	282567.861	53057.67				ug/L
	Rh	103	13.667	0.33				ug/L
⌈	Mo	98	106.878	-0.00	0.0277	0.005	19.056	ug/L
|	Ag	107	78.334	0.00	0.0158	0.002	14.123	ug/L
|	Cd	114	2.292	0.00	-0.0178	0.003	15.679	ug/L
|>	In	115	297773.262	297773.26				ug/L
|	Sn	118	155.868	0.00	-0.0051	0.002	29.384	ug/L
⌊	Sb	123	36.907	-0.00	0.0156	0.002	11.991	ug/L
⌈	Ba	135	25377.129	0.07	15.8526	0.759	4.790	ug/L
|	Ce	140	418095.828	1.13				ug/L
⌊>	Tb	159	370218.873	370218.87				ug/L
⌈	Ho	165	4428.090	0.01				ug/L
|	Tl	203	225.338	0.00	0.0393	0.002	5.977	ug/L
|	Tl	205	520.066	0.00	0.0337	0.003	8.713	ug/L
|	Pb	206	10189.626	0.03	1.8302	0.030	1.652	ug/L
|	Pb	207	8702.875	0.03	1.6798	0.055	3.273	ug/L
|	Pb	208	40349.392	0.12	1.7421	0.046	2.643	ug/L
|	U	238	10117.890	0.03	0.3848	0.014	3.702	ug/L
⌊>	Bi	209	315555.060	315555.06				ug/L

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⌈	Na	23	56820.272	0.11	0.0033	0.001	23.404	mg/L
|	Mg	24	782551.465	4.77	0.2352	0.017	7.230	mg/L
|	K	39	1891167.709	9.51	0.2410	0.017	7.072	mg/L
|	Ca	43	1456.919	0.01	0.0811	0.007	8.402	mg/L
|	Fe	54	7110124.739	43.13	13.5044	0.802	5.942	mg/L
|	Fe	57	3113996.625	19.00	13.8543	1.010	7.292	mg/L
⌊>	Sc-1	45	163866.783	163866.78				mg/L
	Cl	35	11751.568	-527.97				mg/L
	Kr	83	81.668	17.00				mg/L
	Br	81	7677.614	8.01				mg/L
	P	31	26960.312	15697.95				mg/L
	S	34	110753.314	-32070.85				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.545			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.974			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		90.343			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		89.537			
⌈	Na	23					

Sample ID: L1103103004 WG360489-01
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103103004 WG360489-01
Report Date/Time: Thursday, March 31, 2011 18:44:36
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Method 6020 - Summary Report

Sample ID: L1103103004S WG360489-04

Sample Date/Time: Thursday, March 31, 2011 18:49:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 89
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17532.129	-0.02				ug/L
|	Be	9	1536.785	0.01	4.8665	0.262	5.384	ug/L
|	Al	27	20259106.700	116.71	3648.9901	70.963	1.945	ug/L
⌊>	Sc	45	173526.616	173526.62				ug/L
⌈	Ti	49	37075.696	0.12	72.0525	2.716	3.769	ug/L
|	V	51	163193.098	0.51	19.5299	0.457	2.340	ug/L
|	Cr	52	88512.737	0.26	11.2680	0.297	2.636	ug/L
|	Cr	53	9842.494	0.03	11.5330	0.362	3.137	ug/L
|	Mn	55	682009.974	2.17	61.8869	2.368	3.826	ug/L
|	Co	59	69478.677	0.22	8.0672	0.210	2.597	ug/L
|	Ni	60	14379.818	0.05	7.9299	0.290	3.651	ug/L
|	Cu	65	15446.755	0.05	8.2932	0.325	3.921	ug/L
|	Zn	66	17846.114	0.06	14.8488	0.767	5.162	ug/L
|>	Ge	72	314195.497	314195.50				ug/L
|	As	75	4100.327	0.01	4.0604	0.121	2.992	ug/L
|	Se	77	292.671	0.00	2.7439	0.573	20.874	ug/L
|	Se	82	213.719	0.00	2.0828	0.087	4.180	ug/L
⌊	Rb	85	31660.379	0.10				mg/L
	Y	89	276672.586	47162.40				ug/L
	Rh	103	18.000	4.67				ug/L
⌈	Mo	98	153.062	0.00	0.0440	0.004	10.032	ug/L
|	Ag	107	28172.277	0.09	4.7899	0.191	3.993	ug/L
|	Cd	114	6516.714	0.02	5.3802	0.312	5.797	ug/L
|>	In	115	299550.552	299550.55				ug/L
|	Sn	118	178.402	0.00	-0.0002	0.001	506.829	ug/L
⌊	Sb	123	1260.829	0.00	0.3280	0.032	9.793	ug/L
⌈	Ba	135	31026.740	0.08	19.2524	0.861	4.471	ug/L
|	Ce	140	347455.389	0.93				ug/L
⌊>	Tb	159	372935.581	372935.58				ug/L
⌈	Ho	165	4791.627	0.01				ug/L
|	Tl	203	34448.259	0.11	5.0914	0.110	2.167	ug/L
|	Tl	205	82302.796	0.26	4.9468	0.269	5.434	ug/L
|	Pb	206	37757.260	0.12	6.8558	0.273	3.988	ug/L
|	Pb	207	33205.416	0.10	6.4581	0.237	3.671	ug/L
|	Pb	208	153829.421	0.48	6.6971	0.258	3.860	ug/L
|	U	238	147580.109	0.46	5.4464	0.292	5.360	ug/L
⌊>	Bi	209	319036.452	319036.45				ug/L

Sample ID: L1103103004S WG360489-04
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⌈	Na	23	57919.935	0.10	0.0029	0.001	21.251	mg/L
|	Mg	24	799581.967	4.60	0.2265	0.004	1.878	mg/L
|	K	39	1819892.148	8.46	0.2136	0.009	4.076	mg/L
|	Ca	43	1116.842	0.01	0.0549	0.011	19.904	mg/L
|	Fe	54	7286596.973	41.67	13.0488	0.601	4.603	mg/L
|	Fe	57	3114576.921	17.93	13.0722	0.750	5.737	mg/L
⌊>	Sc-1	45	173526.616	173526.62				mg/L
	Cl	35	11875.049	-404.49				mg/L
	Kr	83	71.334	6.67				mg/L
	Br	81	7887.779	218.17				mg/L
	P	31	30997.344	19734.98				mg/L
	S	34	106930.167	-35894.00				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.563			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.517			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.006			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		90.525			
⌈	Na	23					

Sample ID: L1103103004S WG360489-04
Report Date/Time: Thursday, March 31, 2011 18:51:45
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103103004S WG360489-04
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Method 6020 - Summary Report

Sample ID: L1103103004SD WG360489-05

Sample Date/Time: Thursday, March 31, 2011 18:56:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 90
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16814.164	-0.01				ug/L
|	Be	9	1420.768	0.01	4.7493	0.095	1.996	ug/L
|	Al	27	19331780.383	117.74	3681.0795	128.592	3.493	ug/L
⌊>	Sc	45	164238.016	164238.02				ug/L
⌈	Ti	49	21431.802	0.07	40.9023	2.449	5.987	ug/L
|	V	51	126113.251	0.39	14.7752	0.251	1.696	ug/L
|	Cr	52	66809.504	0.18	8.0635	0.218	2.697	ug/L
|	Cr	53	7086.553	0.02	8.0711	0.230	2.852	ug/L
|	Mn	55	565074.743	1.77	50.4251	1.722	3.416	ug/L
|	Co	59	58589.429	0.18	6.6867	0.144	2.151	ug/L
|	Ni	60	13466.203	0.04	7.3017	0.269	3.680	ug/L
|	Cu	65	13927.166	0.04	7.3496	0.105	1.427	ug/L
|	Zn	66	15420.369	0.05	12.4351	0.197	1.585	ug/L
| >	Ge	72	319410.891	319410.89				ug/L
|	As	75	2872.690	0.01	2.8514	0.021	0.753	ug/L
|	Se	77	162.668	0.00	1.1592	0.167	14.381	ug/L
|	Se	82	102.252	0.00	0.9554	0.067	7.059	ug/L
⌊	Rb	85	29145.386	0.09				mg/L
	Y	89	280570.042	51059.85				ug/L
	Rh	103	18.667	5.33				ug/L
⌈	Mo	98	87.435	-0.00	0.0207	0.001	7.060	ug/L
|	Ag	107	26464.914	0.09	4.5297	0.123	2.716	ug/L
|	Cd	114	6148.623	0.02	5.1095	0.285	5.586	ug/L
| >	In	115	297582.371	297582.37				ug/L
|	Sn	118	144.934	-0.00	-0.0076	0.000	5.299	ug/L
⌊	Sb	123	1401.893	0.00	0.3664	0.010	2.770	ug/L
⌈	Ba	135	31219.985	0.08	19.6213	0.391	1.991	ug/L
|	Ce	140	242375.980	0.66				ug/L
⌊>	Tb	159	368095.269	368095.27				ug/L
⌈	Ho	165	4398.077	0.01				ug/L
|	Tl	203	31717.564	0.10	4.7448	0.186	3.920	ug/L
|	Tl	205	75333.743	0.24	4.5828	0.204	4.452	ug/L
|	Pb	206	33628.809	0.11	6.1741	0.223	3.605	ug/L
|	Pb	207	29330.918	0.09	5.7683	0.153	2.655	ug/L
|	Pb	208	136390.099	0.43	6.0041	0.157	2.608	ug/L
|	U	238	136104.382	0.43	5.0833	0.108	2.117	ug/L
⌊>	Bi	209	315316.213	315316.21				ug/L

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Na	23	55690.377	0.10	0.0031	0.001	22.220	mg/L
Mg	24	770115.809	4.68	0.2307	0.008	3.372	mg/L
K	39	1916460.821	9.64	0.2444	0.017	6.782	mg/L
Ca	43	1450.250	0.01	0.0803	0.007	8.565	mg/L
Fe	54	5017765.329	30.22	9.4614	0.212	2.240	mg/L
Fe	57	2174433.125	13.21	9.6285	0.196	2.038	mg/L
Sc-1	45	164238.016	164238.02				mg/L
Cl	35	10560.911	-1718.63				mg/L
Kr	83	86.335	21.67				mg/L
Br	81	8129.972	460.36				mg/L
P	31	23895.858	12633.50				mg/L
S	34	114002.512	-28821.65				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		97.149			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		90.916			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		89.825			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		89.469			
Na	23					

Sample ID: L1103103004SD WG360489-05
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103103004SD WG360489-05
Report Date/Time: Thursday, March 31, 2011 18:58:54
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Thursday, March 31, 2011 19:03:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17181.415	0.00				ug/L
|	Be	9	13893.650	0.09	52.1156	0.629	1.208	ug/L
|	Al	27	261457.346	1.76	54.9622	0.857	1.560	ug/L
|>	Sc	45	147209.239	147209.24				ug/L
⌈	Ti	49	51437.130	0.16	98.8479	3.050	3.086	ug/L
|	V	51	419836.128	1.31	50.1120	0.462	0.921	ug/L
|	Cr	52	369924.019	1.14	50.2284	0.804	1.601	ug/L
|	Cr	53	42842.537	0.13	50.7060	1.063	2.097	ug/L
|	Mn	55	568510.071	1.79	50.9648	0.329	0.645	ug/L
|	Co	59	451020.928	1.42	51.9257	0.565	1.089	ug/L
|	Ni	60	95497.443	0.30	52.3060	0.551	1.054	ug/L
|	Cu	65	96615.848	0.30	51.5406	1.078	2.091	ug/L
|	Zn	66	59656.013	0.19	51.9180	0.440	0.848	ug/L
|>	Ge	72	317952.889	317952.89				ug/L
|	As	75	55875.715	0.18	52.5538	0.501	0.953	ug/L
|	Se	77	4592.388	0.01	53.4350	2.002	3.746	ug/L
|	Se	82	5644.137	0.02	55.5341	0.488	0.878	ug/L
⌊	Rb	85	2276.615	0.01				mg/L
	Y	89	224998.703	-4511.49				ug/L
	Rh	103	38.667	25.33				ug/L
⌈	Mo	98	309073.043	1.00	107.6295	0.422	0.392	ug/L
|	Ag	107	314823.349	1.02	52.0035	0.129	0.248	ug/L
|	Cd	114	64501.519	0.21	51.9286	0.422	0.813	ug/L
|>	In	115	308151.672	308151.67				ug/L
|	Sn	118	231315.075	0.75	50.9184	0.272	0.535	ug/L
⌊	Sb	123	203408.932	0.66	50.4797	0.373	0.738	ug/L
⌈	Ba	135	84198.879	0.22	51.3491	0.671	1.307	ug/L
|	Ce	140	43.338	0.00				ug/L
|>	Tb	159	379660.257	379660.26				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	337155.714	1.07	50.4412	0.752	1.490	ug/L
|	Tl	205	821826.219	2.61	50.0305	0.691	1.381	ug/L
|	Pb	206	273592.242	0.87	50.6837	0.366	0.722	ug/L
|	Pb	207	254966.702	0.81	50.5294	0.153	0.303	ug/L
|	Pb	208	1133500.678	3.60	50.2966	0.489	0.973	ug/L
|	U	238	1397411.923	4.44	52.1899	1.149	2.202	ug/L
|>	Bi	209	314894.371	314894.37				ug/L

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Na	23	21593750.237	146.48	5.0174	0.081	1.624	mg/L
Mg	24	14705510.857	99.91	4.9701	0.105	2.122	mg/L
K	39	30959147.623	208.34	5.4266	0.240	4.415	mg/L
Ca	43	74453.932	0.50	5.3658	0.255	4.754	mg/L
Fe	54	2697517.092	17.99	5.6300	0.100	1.770	mg/L
Fe	57	1136141.694	7.69	5.6032	0.154	2.753	mg/L
> Sc-1	45	147209.239	147209.24				mg/L
Cl	35	11218.291	-1061.25				mg/L
Kr	83	63.001	-1.67				mg/L
Br	81	8451.573	781.97				mg/L
P	31	7196.595	-4065.77				mg/L
S	34	136820.539	-6003.62				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	100.224				
Cr	52	100.457				
Cr	53					
Mn	55	101.930				
Co	59	103.851				
Ni	60	104.612				
Cu	65	103.081				
Zn	66	103.836				
> Ge	72		96.706			
As	75	105.108				
Se	77					
Se	82	111.068				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	104.007				
Cd	114	103.857				
> In	115		94.145			
Sn	118					
Sb	123	100.959				
Ba	135	102.698				
Ce	140					
> Tb	159		92.647			
Ho	165					
Tl	203	100.882				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.593				
U	238	104.380				
> Bi	209		89.349			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Thursday, March 31, 2011 19:06:02
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 6	Se	82	CCV IS OUT OF LIMITS (+/-10% OR %RSD>20)

Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Thursday, March 31, 2011 19:10:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17548.747	-0.00				ug/L
|	Be	9	7.333	-0.00	-0.0043	0.017	383.279	ug/L
|	Al	27	2050.222	-0.01	-0.1531	0.136	88.531	ug/L
⌊>	Sc	45	151236.189	151236.19				ug/L
⌈	Ti	49	33.337	0.00	-0.0952	0.039	40.961	ug/L
|	V	51	2747.287	0.00	0.0198	0.012	61.422	ug/L
|	Cr	52	9424.200	0.00	0.0868	0.018	21.093	ug/L
|	Cr	53	240.027	-0.00	-0.0570	0.028	49.609	ug/L
|	Mn	55	395.345	-0.00	-0.0327	0.002	5.195	ug/L
|	Co	59	102.335	-0.00	-0.0205	0.000	2.187	ug/L
|	Ni	60	42.334	-0.00	-0.0247	0.004	15.885	ug/L
|	Cu	65	80.001	0.00	-0.0117	0.008	69.068	ug/L
|	Zn	66	202.004	-0.00	-1.0700	0.017	1.614	ug/L
|>	Ge	72	329241.097	329241.10				ug/L
|	As	75	-191.012	-0.00	-0.0025	0.051	2023.945	ug/L
|	Se	77	74.000	0.00	0.0933	0.166	177.710	ug/L
|	Se	82	4.125	0.00	-0.0073	0.207	2822.116	ug/L
⌊	Rb	85	30.000	0.00				mg/L
	Y	89	235098.037	5587.85				ug/L
	Rh	103	16.334	3.00				ug/L
⌈	Mo	98	152.167	0.00	0.0409	0.005	11.178	ug/L
|	Ag	107	67.334	0.00	0.0133	0.001	3.903	ug/L
|	Cd	114	-0.795	0.00	-0.0204	0.006	28.252	ug/L
|>	In	115	316104.932	316104.93				ug/L
|	Sn	118	282.137	0.00	0.0199	0.005	27.017	ug/L
⌊	Sb	123	75.779	-0.00	0.0244	0.000	0.450	ug/L
⌈	Ba	135	31.000	0.00	-0.0084	0.003	32.589	ug/L
|	Ce	140	26.669	-0.00				ug/L
⌊>	Tb	159	387924.461	387924.46				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	49.667	0.00	0.0130	0.001	8.338	ug/L
|	Tl	205	96.677	0.00	0.0080	0.001	11.920	ug/L
|	Pb	206	266.006	-0.00	-0.0063	0.001	21.347	ug/L
|	Pb	207	249.339	0.00	0.0065	0.001	21.550	ug/L
|	Pb	208	1116.036	0.00	0.0033	0.002	66.987	ug/L
|	U	238	98.668	0.00	0.0115	0.001	7.089	ug/L
⌊>	Bi	209	316291.061	316291.06				ug/L

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⌈	Na	23	23646.968	-0.08	-0.0032	0.000	5.538	mg/L
|	Mg	24	746.770	-0.00	-0.0026	0.000	2.051	mg/L
|	K	39	358008.507	0.34	0.0017	0.003	150.184	mg/L
|	Ca	43	216.691	0.00	0.0015	0.006	369.541	mg/L
|	Fe	54	58767.059	0.05	0.0095	0.001	10.795	mg/L
|	Fe	57	7663.705	0.02	0.0101	0.001	14.442	mg/L
⌊>	Sc-1	45	151236.189	151236.19				mg/L
	Cl	35	11423.858	-855.68				mg/L
	Kr	83	62.334	-2.33				mg/L
	Br	81	9395.079	1725.47				mg/L
	P	31	11757.828	495.47				mg/L
	S	34	139386.503	-3437.66				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.139			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.574			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		94.664			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		89.746			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Thursday, March 31, 2011 19:13:06
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Approved: April 01, 2011

Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Thursday, March 31, 2011 19:18:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17431.855	-0.00				ug/L
|	Be	9	11.333	0.00	0.0104	0.023	223.598	ug/L
|	Al	27	4067.495	0.01	0.2611	0.063	24.025	ug/L
⌊>	Sc	45	151608.120	151608.12				ug/L
⌈	Ti	49	26.669	-0.00	-0.1075	0.047	43.680	ug/L
|	V	51	6085.024	0.01	0.4122	0.019	4.561	ug/L
|	Cr	52	14861.851	0.02	0.8314	0.016	1.977	ug/L
|	Cr	53	960.143	0.00	0.7800	0.154	19.719	ug/L
|	Mn	55	6276.366	0.02	0.4812	0.012	2.566	ug/L
|	Co	59	3877.457	0.01	0.4027	0.009	2.323	ug/L
|	Ni	60	3293.575	0.01	1.7096	0.014	0.847	ug/L
|	Cu	65	1708.496	0.01	0.8346	0.007	0.850	ug/L
|	Zn	66	7735.402	0.02	5.4629	0.064	1.175	ug/L
|>	Ge	72	326780.732	326780.73				ug/L
|	As	75	319.664	0.00	0.4621	0.063	13.716	ug/L
|	Se	77	122.667	0.00	0.6575	0.073	11.096	ug/L
|	Se	82	62.488	0.00	0.5515	0.171	31.016	ug/L
⌊	Rb	85	25.334	0.00				mg/L
	Y	89	230390.154	879.96				ug/L
	Rh	103	11.667	-1.67				ug/L
⌈	Mo	98	83.311	-0.00	0.0179	0.002	12.630	ug/L
|	Ag	107	2655.713	0.01	0.4376	0.010	2.251	ug/L
|	Cd	114	277.561	0.00	0.2018	0.022	11.116	ug/L
|>	In	115	310716.638	310716.64				ug/L
|	Sn	118	152.935	-0.00	-0.0073	0.001	16.259	ug/L
⌊	Sb	123	1646.726	0.01	0.4114	0.015	3.578	ug/L
⌈	Ba	135	1268.093	0.00	0.7376	0.026	3.554	ug/L
|	Ce	140	36.670	0.00				ug/L
⌊>	Tb	159	384242.223	384242.22				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	569.689	0.00	0.0909	0.003	3.838	ug/L
|	Tl	205	1420.243	0.00	0.0886	0.001	1.646	ug/L
|	Pb	206	2457.327	0.01	0.4004	0.013	3.244	ug/L
|	Pb	207	2236.939	0.01	0.4011	0.008	1.934	ug/L
|	Pb	208	10095.445	0.03	0.4025	0.002	0.562	ug/L
|	U	238	10671.798	0.03	0.4064	0.002	0.483	ug/L
⌊>	Bi	209	314777.005	314777.00				ug/L

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Na	23	8020.694	-0.18	-0.0068	0.000	2.799	mg/L
Mg	24	223.358	-0.01	-0.0027	0.000	0.314	mg/L
K	39	346218.842	0.25	-0.0005	0.002	353.575	mg/L
Ca	43	196.688	0.00	0.0002	0.001	651.404	mg/L
Fe	54	38044.871	-0.08	-0.0336	0.001	3.074	mg/L
Fe	57	7817.172	0.02	0.0108	0.002	22.234	mg/L
Sc-1	45	151608.120	151608.12				mg/L
Cl	35	10303.975	-1975.56				mg/L
Kr	83	59.001	-5.67				mg/L
Br	81	8550.992	881.39				mg/L
P	31	6629.539	-4632.82				mg/L
S	34	118545.479	-24278.69				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	103.043				
Cr	52	103.927				
Cr	53					
Mn	55	96.231				
Co	59	100.678				
Ni	60	106.847				
Cu	65	104.328				
Zn	66	87.406				
Ge	72		99.391			
As	75	115.515				
Se	77					
Se	82	137.881				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	109.389				
Cd	114	100.912				
In	115		94.928			
Sn	118					
Sb	123	102.848				
Ba	135	98.340				
Ce	140					
Tb	159		93.765			
Ho	165					
Tl	203	113.587				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.616				
U	238	101.606				
Bi	209		89.316			
Na	23					

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 19:20:16
Page 2

Approved: April 01, 2011

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 8	Se	82	LLCCV IS OUT OF LIMITS (+/-20%)

Sample ID: QC Std 8
Report Date/Time: Thursday, March 31, 2011 19:20:16
Page 3

Approved: April 01, 2011

2.2 General Chemistry Data

2.2.1 Percent Solids Data

2.2.1.1 Raw Data

LABORATORY REPORT

L11031030

04/01/11 13:55

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-32911-SS-7'-SW-5	L11031030-01	D2216-90	1	31-MAR-11
SWMU57-32911-SS-13'-FC-NUM5	L11031030-02	D2216-90	1	31-MAR-11
SWMU-57-33011-SS-FC-20'-NUM3E	L11031030-03	D2216-90	1	31-MAR-11
SWMU-57-33011-SS-FC-14'-NUM6	L11031030-04	D2216-90	1	31-MAR-11

Microbac Laboratories Inc.

Report Number: **L11031030**
Report Date : **April 1, 2011**

Sample Number:	**L11031030-01**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-32911-SS-7'-SW-5**	Prep Method:	**D2216-90**	Prep Date:	**04/01/2011 09:34**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360529**	Analyst:	**JDH**	Run Date:	**04/01/2011 09:34**
Collect Date:	**03/29/2011 12:00**	Dilution:	**1**	File ID:	**B1.360529-0106**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**81.6**		**1.00**	**1.00**

Report Number: **L11031030**
Report Date : **April 1, 2011**

Sample Number: **L11031030-02**
Client ID: **SWMU57-32911-SS-13'-FC-NU**
Matrix: **Soil**
Workgroup Number: **WG360529**
Collect Date: **03/29/2011 13:00**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **04/01/2011 09:34**
Cal Date:
Run Date: **04/01/2011 09:34**
File ID: **B1.360529-0107**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**75.6**		**1.00**	**1.00**

Report Number: **L11031030**
Report Date : **April 1, 2011**

Sample Number: **L11031030-03**
Client ID: **SWMU-57-33011-SS-FC-20'-NI**
Matrix: **Soil**
Workgroup Number: **WG360529**
Collect Date: **03/30/2011 15:50**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **04/01/2011 09:34**
Cal Date:
Run Date: **04/01/2011 09:34**
File ID: **B1.360529-0108**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**79.1**		**1.00**	**1.00**

Report Number: **L11031030**
Report Date : **April 1, 2011**

Sample Number: **L11031030-04**
Client ID: **SWMU-57-33011-SS-FC-14'-NI**
Matrix: **Soil**
Workgroup Number: **WG360529**
Collect Date: **03/30/2011 16:25**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **04/01/2011 09:34**
Cal Date:
Run Date: **04/01/2011 09:34**
File ID: **B1.360529-0109**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**81.0**		**1.00**	**1.00**

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:	
WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

2.0 Calculating the percent moisture of a sample.

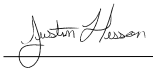
% Moisture = 100 - % Solids from 1.0 calculation

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG360529 Analyst:JDH ADT(on):03/31/2011 16:41
Method:D2216-90 Instrument:BAL001 ADT(off):04/01/2011 09:34
SOP:K0003 Rev:11

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE
L11030995-01	1.34	18.82	16.06			84.21	
L11030995-03	1.36	30.81	24.61			78.95	
L11030999-01	1.33	27.78	20.74			73.38	
L11030999-03	1.34	18.29	15.23			81.95	
L11031010-01	1.33	36.19	31.47			86.46	
L11031030-01	1.34	19.52	16.18			81.63	
L11031030-02	1.34	25.85	19.86			75.56	
L11031030-03	1.34	28.29	22.66			79.11	
L11031030-04	1.34	25.55	20.94			80.96	
WG360529-01	1.34	18.29	15.23			81.95	18.05
WG360529-02	1.33	38.49	31.54			81.30	18.70

Analyst: 

PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1960159
Report generated: 04/01/2011 09:33

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
April 5, 2011

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
ALV – AMY L. VALENTINE	AML – TONY M. LONG	AZH – AFTER HOURS
BLG – BRENDA L. GREENWALT	BRG – BRENDA R. GREGORY	CAA – CASSIE A. AUGENSTEIN
CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD
CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
ECL – ERIC C. LAWSON	EDL – ERIN D. LONG	ERP – ERIN R. PORTER
FJB – FRANCES J. BOLDEN	HAV – HEMA VILASAGAR	HJR – HOLLY J. REED
JAL – JOHN A. LENT	JBK – JEREMY B. KINNEY	JDH – JUSTIN D. HESSON
JKT – JANE K. THOMPSON	JLL – JOHN L. LENT	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KEB – KATIE E. BARNES
KHR – KIM H. RHODES	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MIKE D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	PDM – PIERCE D. MORRIS	PWD – PAUL W. DENT
RAH – ROY A. HALSTEAD	RB – BOB BUCHANAN	REK – BOB E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WJB – WILL J. BEASLEY
WTD – WADE T. DELONG		

Microbac Laboratories Inc.
List of Valid Qualifiers
April 05, 2011

Qualkey: DOD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	The reported result is associated with a contaminated method blank.
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated concentration; sample matrix interference.
J	Estimated value ; the analyte concentration was greater than the highest standard
J	Estimated value ; the analyte concentration was less than the low standard (LOQ)
J	The reported result is an estimated value.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported LOD.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: DOD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 2165

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4308
Fax: 740-376-2536

Company Name: UXB-KEMRON

Project Contact: MARY LOU ROCHOTTE | Contact Phone #: 740-373-4308

Turn Around Requirements: 1-DAY | Location: RFAAP SWMU-57

Project ID: MR0669-401-001

Sampler (print): JONAH ANDERSON | Signature:

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	METALS ★ SEE LIST ★	METAL ★ IRON ★	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
SWMU-57-32911-SS 7'-SW-5		X	3-29-11	1200	SOIL	1		1			PER QAPP RFAAP ★ ★ ALUMINUM, ANTIMONY, MANGANESE, CADMIUM, CHROMIUM, IRON
SWMU57-32911-SS 13'-FC-NUM5		X	3-29-11	1300	SOIL	1		1			
SWMU-57-33011-SS FC-20'-NUM3B		X	3-30-11	1550	SOIL	1			1		
SWMU-57-33011-SS FC-14'-NUM6		X	3-30-11	1625	SOIL	1		1			+ TEMP BLANK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)
	3-30-11	1700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Microbac OVD
Received: 03/31/2011 10:49
By: BRENDA GREENWALT
221000013639

Brenda Greenwalt

Remarks:

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

Page _____ of _____

COOLER INSPECTION

Received: 03/29/2011 11:00
Delivery Method: FedEx
Opened By: Brenda Greenwalt
Comments:

Login(s): L11030742|

Cooler(s)

Cooler #	Temp Gun	Temp	Tracking #	COC #	Comments
0015759	G	7.0	345750881100000341067565774520 13		

1	Yes	Were shipping coolers sealed?
2	Yes	Were custody seals intact?
3	NA	Were cooler temperatures in range of 0-6?
4	NA	Was ice present?
5	Yes	Were COC's received/information complete/signed and dated?
6	Yes	Were sample containers and labels intact and match COC?
7	Yes	Were the correct containers and volumes received?
8	Yes	Were samples received within EPA hold times?
9	NA	Were correct perservatives used? (water only)
10	NA	Were pH ranges acceptable? (voa's excluded)
11	NA	Were VOA samples free of headspace (less than 6mm)?

Discrepancies:

Microbac - Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750
Tel: (740)373-4071 Fax: (740)373-4835

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11031030
Account: 2820
Project: 2820.216
Samples: 4
Due Date: 01-APR-2011

Samplenum	Container ID	Products
L11031030-01	814197	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	31-MAR-2011 11:34	CLS	
2	PREP	W1	DIG	31-MAR-2011 11:40	REK	RLK
3	STORE	WET	W1	01-APR-2011 16:08	RLK	JDH

Samplenum	Container ID	Products
L11031030-02	814198	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	31-MAR-2011 11:34	CLS	
2	PREP	W1	DIG	31-MAR-2011 11:40	REK	RLK
3	STORE	WET	W1	01-APR-2011 16:08	RLK	JDH

Samplenum	Container ID	Products
L11031030-03	814199	FE PCT-S

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	31-MAR-2011 11:34	CLS	
2	PREP	W1	DIG	31-MAR-2011 11:40	REK	RLK
3	STORE	WET	W1	01-APR-2011 16:08	RLK	JDH

Samplenum	Container ID	Products
L11031030-04	814200	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	31-MAR-2011 11:34	CLS	
2	PREP	W1	DIG	31-MAR-2011 11:40	REK	RLK
3	STORE	WET	W1	01-APR-2011 16:08	RLK	JDH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L11040066

Client: Mary Lou Rochette, 156 Starlite Drive, Marietta, OH, 45750

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Kathy Albertson	*Team Chemist/Data Specialist*	Kathy.Albertson@microbac.com
Stephanie Mossburg	*Team Chemist/Data Specialist*	Stephanie.Mossburg@microbac.com
Tony Long	*Team Chemist/Data Specialist*	Tony.Long@microbac.com
Amanda Fickiesen	*Client Services Specialist*	Amanda.Fickiesen@microbac.com
Annie Brown	*Client Services Specialist*	Annie.Brown@microbac.com

This report was reviewed on April 06, 2011.

Stephanie Mossburg - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the DoD QSM and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, DoD ELAP certification number 2936.01. The reported results are related only to the samples analyzed as received.

This report was certified on April 06, 2011.

David Vandenberg - Managing Director

State of origin: Virginia
Accrediting authority: N/A ID:N/A
QAPP: DOD Ver 4.1
This report contains a total of 649 pages.

Look closer. Go further. Do more.

Microbac REPORT L11040066
PREPARED FOR Kemron Environmental Services
WORK ID:

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1.0 Introduction

LABORATORY REPORT

L11040066

04/06/11 14:54

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Marv Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
SWMU-57-4111-SS-4'-SW-6	L11040066-01	04/01/2011 09:40	04/04/2011
SWMU-57-4111-SS-1'-SW-7	L11040066-02	04/01/2011 11:45	04/04/2011
SWMU-57-4111-SS-FC-2'-NUM7	L11040066-03	04/01/2011 12:00	04/04/2011
SWMU-57-4111-SS-7'-SW-8	L11040066-04	04/01/2011 14:00	04/04/2011
SWMU-57-4111-SS-7'-SW-9	L11040066-05	04/01/2011 14:25	04/04/2011
SWMU-57-4111-SS-15'-FC-NUM8	L11040066-06	04/01/2011 14:55	04/04/2011
SWMU-57-4111-SS-7.5'-SW-13	L11040066-07	04/01/2011 16:25	04/04/2011
SWMU-57-4211-SS-7.5'-SW-10	L11040066-08	04/01/2011 07:50	04/04/2011

L1_A_PROD_COVER - Modified 02/06/2008
PDF File ID: 1963934
Report generated: 04/06/2011 14:54

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number: **L11040066-01** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-4'-SW-6** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:00**
Collect Date: **04/01/2011 09:40** | Dilution: **1** | File ID: **T2.040411.160013**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **76.3**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16400		19.6	9.80
Antimony, Total	7440-36-0		U	0.980	0.490
Iron, Total	7439-89-6	30700		2.94	1.47
Manganese, Total	7439-96-5	183		0.490	0.245

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-01** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-4'-SW-6** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:15**
Collect Date: **04/01/2011 09:40** | Dilution: **5** | File ID: **EL.040411.171533**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **76.3**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	0.580	J	0.637	0.318
Chromium, Total	7440-47-3	51.4		2.55	1.27

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11040066-01** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-4'-SW-6** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 09:40** | Dilution: **1** | File ID: **B1.360721-0101**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	76.3		1.00	1.00

Sample Number: **L11040066-02** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-1'-SW-7** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:03**
Collect Date: **04/01/2011 11:45** | Dilution: **1** | File ID: **T2.040411.160340**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **77.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11500		19.5	9.77
Antimony, Total	7440-36-0		U	0.977	0.489
Iron, Total	7439-89-6	36600		2.93	1.47
Manganese, Total	7439-96-5	459		0.489	0.244

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number: **L11040066-02** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-1'-SW-7** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:22**
Collect Date: **04/01/2011 11:45** | Dilution: **5** | File ID: **EL.040411.172239**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **77.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.625	0.312
Chromium, Total	7440-47-3	63.3		2.50	1.25

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-02** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-1'-SW-7** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 11:45** | Dilution: **1** | File ID: **B1.360721-0102**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	77.4		1.00	1.00

Sample Number: **L11040066-03** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-FC-2'-NUM** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:07**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **T2.040411.160708**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15200		19.3	9.63
Antimony, Total	7440-36-0		U	0.963	0.482
Iron, Total	7439-89-6	36800		2.89	1.44
Manganese, Total	7439-96-5	383		0.482	0.241

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-03** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-FC-2'-NUM** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:29**
Collect Date: **04/01/2011 12:00** | Dilution: **5** | File ID: **EL.040411.172946**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.651	0.325
Chromium, Total	7440-47-3	31.6		2.60	1.30

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number: **L11040066-03** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-FC-2'-NUM** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **B1.360721-0103**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.8		1.00	1.00

Sample Number: **L11040066-04** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-7'-SW-8** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:10**
Collect Date: **04/01/2011 14:00** | Dilution: **1** | File ID: **T2.040411.161035**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **76.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	13600		19.1	9.57
Antimony, Total	7440-36-0		U	0.957	0.478
Iron, Total	7439-89-6	28700		2.87	1.43
Manganese, Total	7439-96-5	461		0.478	0.239

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-04** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-7'-SW-8** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:36**
Collect Date: **04/01/2011 14:00** | Dilution: **5** | File ID: **EL.040411.173653**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **76.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.622	0.311
Chromium, Total	7440-47-3	21.2		2.49	1.24

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-04** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-7'-SW-8** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 14:00** | Dilution: **1** | File ID: **B1.360721-0104**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	76.4		1.00	1.00

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number: **L11040066-05** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-7'-SW-9** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:14**
Collect Date: **04/01/2011 14:25** | Dilution: **1** | File ID: **T2.040411.161408**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **76.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11700		17.6	8.81
Antimony, Total	7440-36-0		U	0.881	0.441
Iron, Total	7439-89-6	23400		2.64	1.32
Manganese, Total	7439-96-5	125		0.441	0.220

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-05** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-7'-SW-9** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:44**
Collect Date: **04/01/2011 14:25** | Dilution: **5** | File ID: **EL.040411.174401**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **76.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	0.367	J	0.643	0.322
Chromium, Total	7440-47-3	22.6		2.57	1.29

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11040066-05** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-7'-SW-9** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 14:25** | Dilution: **1** | File ID: **B1.360721-0105**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	76.7		1.00	1.00

Sample Number: **L11040066-06** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-15'-FC-NU** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:17**
Collect Date: **04/01/2011 14:55** | Dilution: **1** | File ID: **T2.040411.161734**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **80.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11700		17.0	8.51
Antimony, Total	7440-36-0	0.722	J	0.851	0.426
Iron, Total	7439-89-6	17100		2.55	1.28
Manganese, Total	7439-96-5	251		0.426	0.213

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number: **L11040066-06** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-15'-FC-NU** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:51**
Collect Date: **04/01/2011 14:55** | Dilution: **5** | File ID: **EL.040411.175109**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **80.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	0.614		0.597	0.299
Chromium, Total	7440-47-3	22.3		2.39	1.19

Sample Number: **L11040066-06** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-15'-FC-NU** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 14:55** | Dilution: **1** | File ID: **B1.360721-0106**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	80.4		1.00	1.00

Sample Number: **L11040066-07** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-7.5'-SW-1** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:21**
Collect Date: **04/01/2011 16:25** | Dilution: **1** | File ID: **T2.040411.162102**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **82.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	8380		17.0	8.48
Antimony, Total	7440-36-0	0.424	J	0.848	0.424
Iron, Total	7439-89-6	17000		2.54	1.27
Manganese, Total	7439-96-5	15.8		0.424	0.212

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11040066-07** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-7.5'-SW-1** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 17:58**
Collect Date: **04/01/2011 16:25** | Dilution: **5** | File ID: **EL.040411.175816**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **82.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.580	0.290
Chromium, Total	7440-47-3	26.5		2.32	1.16

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number: **L11040066-07** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-7.5'-SW-1** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 16:25** | Dilution: **1** | File ID: **B1.360721-0107**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	82.4		1.00	1.00

Sample Number: **L11040066-08** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4211-SS-7.5'-SW-1** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:31**
Collect Date: **04/01/2011 07:50** | Dilution: **1** | File ID: **T2.040411.163142**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15000		18.7	9.37
Antimony, Total	7440-36-0	0.621	J	0.937	0.468
Iron, Total	7439-89-6	30600		2.81	1.40
Manganese, Total	7439-96-5	420		0.468	0.234

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11040066-08** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4211-SS-7.5'-SW-1** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 18:05**
Collect Date: **04/01/2011 07:50** | Dilution: **5** | File ID: **EL.040411.180522**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.658	0.329
Chromium, Total	7440-47-3	15.5		2.63	1.32

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040066-08** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4211-SS-7.5'-SW-1** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 07:50** | Dilution: **1** | File ID: **B1.360721-0108**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.9		1.00	1.00

Login Number: L11040066

Department: Login

Chain of Custody:

Shipment Conditions

COC #	Cooler #	Temperature
2166	0015403	2.0

Sample Management: All samples were received intact.

Sample Identification

Lab ID	Client ID
L11040066-01	SWMU-57-4111-SS-4'-SW-6
L11040066-02	SWMU-57-4111-SS-1'-SW-7
L11040066-03	SWMU-57-4111-SS-FC-2'-NUM7
L11040066-04	SWMU-57-4111-SS-7'-SW-8
L11040066-05	SWMU-57-4111-SS-7'-SW-9
L11040066-06	SWMU-57-4111-SS-15'-FC-NUM8
L11040066-07	SWMU-57-4111-SS-7.5'-SW-13
L11040066-08	SWMU-57-4211-SS-7.5'-SW-10

Narrative ID: 24851
Approved By: Stephanie Mossburg
Stephanie Mossburg

2.0 Full Sample Data Package

2.1 Metals Data

2.1.1 Metals I C P Data

2.1.1.1 Summary Data

Login Number: L11040066

Department: Metals

Analyst: Ji Hu

METHOD

Preparation: SW-846 3005

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360751 - All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

Narrative ID: 24909
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040066

04/06/11 14:54

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4111-SS-4'-SW-6	L11040066-01	6010B	1	04-APR-11
SWMU-57-4111-SS-1'-SW-7	L11040066-02	6010B	1	04-APR-11
SWMU-57-4111-SS-FC-2'-NUM7	L11040066-03	6010B	1	04-APR-11
SWMU-57-4111-SS-7'-SW-8	L11040066-04	6010B	1	04-APR-11
SWMU-57-4111-SS-7'-SW-9	L11040066-05	6010B	1	04-APR-11
SWMU-57-4111-SS-15'-FC-NUM8	L11040066-06	6010B	1	04-APR-11
SWMU-57-4111-SS-7.5'-SW-13	L11040066-07	6010B	1	04-APR-11
SWMU-57-4211-SS-7.5'-SW-10	L11040066-08	6010B	1	04-APR-11

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-01	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-4'-SW-6	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:00
Collect Date:	04/01/2011 09:40	Dilution:	1	File ID:	T2.040411.160013
Sample Tag:	01	Units:	mg/kg	Percent Solid:	76.3

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16400		19.6	9.80
Antimony, Total	7440-36-0		U	0.980	0.490
Iron, Total	7439-89-6	30700		2.94	1.47
Manganese, Total	7439-96-5	183		0.490	0.245

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-1'-SW-7	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:03
Collect Date:	04/01/2011 11:45	Dilution:	1	File ID:	T2.040411.160340
Sample Tag:	01	Units:	mg/kg	Percent Solid:	77.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11500		19.5	9.77
Antimony, Total	7440-36-0		U	0.977	0.489
Iron, Total	7439-89-6	36600		2.93	1.47
Manganese, Total	7439-96-5	459		0.489	0.244

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-03	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-FC-2'-NUM	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:07
Collect Date:	04/01/2011 12:00	Dilution:	1	File ID:	T2.040411.160708
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.8

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15200		19.3	9.63
Antimony, Total	7440-36-0		U	0.963	0.482
Iron, Total	7439-89-6	36800		2.89	1.44
Manganese, Total	7439-96-5	383		0.482	0.241

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-04	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-7'-SW-8	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:10
Collect Date:	04/01/2011 14:00	Dilution:	1	File ID:	T2.040411.161035
Sample Tag:	01	Units:	mg/kg	Percent Solid:	76.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	13600		19.1	9.57
Antimony, Total	7440-36-0		U	0.957	0.478
Iron, Total	7439-89-6	28700		2.87	1.43
Manganese, Total	7439-96-5	461		0.478	0.239

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-05	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-7'-SW-9	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:14
Collect Date:	04/01/2011 14:25	Dilution:	1	File ID:	T2.040411.161408
Sample Tag:	01	Units:	mg/kg	Percent Solid:	76.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11700		17.6	8.81
Antimony, Total	7440-36-0		U	0.881	0.441
Iron, Total	7439-89-6	23400		2.64	1.32
Manganese, Total	7439-96-5	125		0.441	0.220

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-06	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-15'-FC-NUI	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:17
Collect Date:	04/01/2011 14:55	Dilution:	1	File ID:	T2.040411.161734
Sample Tag:	01	Units:	mg/kg	Percent Solid:	80.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	11700		17.0	8.51
Antimony, Total	7440-36-0	0.722	J	0.851	0.426
Iron, Total	7439-89-6	17100		2.55	1.28
Manganese, Total	7439-96-5	251		0.426	0.213

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-07	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-7.5'-SW-1	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:21
Collect Date:	04/01/2011 16:25	Dilution:	1	File ID:	T2.040411.162102
Sample Tag:	01	Units:	mg/kg	Percent Solid:	82.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	8380		17.0	8.48
Antimony, Total	7440-36-0	0.424	J	0.848	0.424
Iron, Total	7439-89-6	17000		2.54	1.27
Manganese, Total	7439-96-5	15.8		0.424	0.212

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-08	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4211-SS-7.5'-SW-1(	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:31
Collect Date:	04/01/2011 07:50	Dilution:	1	File ID:	T2.040411.163142
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15000		18.7	9.37
Antimony, Total	7440-36-0	0.621	J	0.937	0.468
Iron, Total	7439-89-6	30600		2.81	1.40
Manganese, Total	7439-96-5	420		0.468	0.234

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

2.1.1.2 QC Summary Data

Example 6010 Calculations
Thermo Scientific iCAP 6500

1.0 Initial Calibration (ICAL) Parameters
For a multi-point calibration, the system performs linear regression from data consisting of a blank and four standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360718
Analyst: REK
Spike Analyst: REK
Run Date: 04/04/2011 12:28
Method: 3051A
Balance: BAL014
Instrument: MW-3

SOP: ME406 Revison 12
Spike Solution: STD39933
Spike Witness: VC
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15342
HNO3 Lot #: COA15353

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360718-02	BLANK	7	1 g	50 mL	176.19 g	176.194 g		
2	WG360718-03	LCS	7	1 g	50 mL	181.995 g	181.998 g	5 mL	
3	L11040063-01	SAMP	7	1.328 g	50 mL	177.283 g	177.247 g		04/06/11
4	L11040066-01	SAMP	7	1.338 g	50 mL	176.181 g	176.085 g		04/05/11
5	L11040066-02	SAMP	7	1.322 g	50 mL	177.173 g	177.088 g		04/05/11
6	L11040066-03	SAMP	7	1.37 g	50 mL	180.874 g	180.862 g		04/05/11
7	L11040066-04	SAMP	7	1.368 g	50 mL	177.525 g	177.456 g		04/05/11
8	L11040066-05	SAMP	7	1.48 g	50 mL	178.629 g	178.539 g		04/05/11
9	L11040066-06	SAMP	7	1.462 g	50 mL	179.567 g	179.524 g		04/05/11
10	L11040066-07	SAMP	7	1.432 g	50 mL	176.638 g	176.619 g		04/05/11
11	L11040066-08	SAMP	7	1.407 g	50 mL	176.765 g	176.582 g		04/05/11
12	WG360718-01	REF	7	1.343 g	50 mL	179.781 g	179.784 g		
13	L11040067-01	RS01	7	1.343 g	50 mL	179.781 g	179.784 g		04/11/11
14	WG360718-04	MS	7	1.343 g	50 mL	182.218 g	182.224 g	5 mL	
15	L11040067-02	MS01	7	1.343 g	50 mL	182.218 g	182.224 g	5 mL	04/11/11
16	WG360718-05	MSD	7	1.343 g	50 mL	181.871 g	181.864 g	5 mL	
17	L11040067-03	SD01	7	1.343 g	50 mL	181.871 g	181.864 g	5 mL	04/11/11
18	L11040069-01	SAMP	7	1.383 g	50 mL	177.286 g	177.176 g		04/08/11
19	L11040069-02	SAMP	7	1.38 g	50 mL	178.723 g	178.728 g		04/08/11
20	L11040069-03	SAMP	7	1.326 g	50 mL	178.359 g	178.356 g		04/08/11
21	L11040069-04	SAMP	7	1.321 g	50 mL	177.175 g	177.099 g		04/08/11
22	L11040069-05	SAMP	7	1.441 g	50 mL	176.737 g	176.645 g		04/08/11
23	L11040069-06	SAMP	7	1.309 g	50 mL	178.946 g	178.839 g		04/08/11
24	L11040069-07	SAMP	7	1.385 g	50 mL	180.073 g	179.999 g		04/08/11
25	L11040069-08	SAMP	7	1.326 g	50 mL	177.185 g	177.071 g		04/08/11
26	L11040069-09	SAMP	7	1.403 g	50 mL	179.744 g	179.703 g		04/08/11
27	L11040069-10	SAMP	7	1.388 g	50 mL	176.908 g	176.806 g		04/08/11

Analyst:

Reviewer: Brenda Gregory

MW_DIG - Modified 09/30/2009
PDF ID: 1962954
Report generated: 04/04/2011 13:59

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.040411.124030	WG360766-01	Calibration Point		1		04/04/11 12:40
2	T2.040411.124408	WG360766-02	Calibration Point		1		04/04/11 12:44
3	T2.040411.124743	WG360766-03	Calibration Point		1		04/04/11 12:47
4	T2.040411.125119	WG360766-04	Calibration Point		1		04/04/11 12:51
5	T2.040411.125440	WG360766-05	Calibration Point		1		04/04/11 12:54
6	T2.040411.125806	WG360766-06	Initial Calibration Verification		1		04/04/11 12:58
7	T2.040411.130126	WG360766-07	Initial Calib Blank		1		04/04/11 13:01
8	T2.040411.130502	WG360766-08	Interference Check		1		04/04/11 13:05
9	T2.040411.130829	WG360766-09	Interference Check		1		04/04/11 13:08
10	T2.040411.131155	WG360766-10	CCV		1		04/04/11 13:11
11	T2.040411.131514	WG360766-11	CCB		1		04/04/11 13:15
12	T2.040411.131856	WG360664-03	Method/Prep Blank	1/50	1		04/04/11 13:18
13	T2.040411.132232	WG360664-04	Laboratory Control S	1/50	1		04/04/11 13:22
14	T2.040411.132558	L11030742-04	MAPEP-11-MAS24	1.408/50	1		04/04/11 13:25
15	T2.040411.132945	WG360719-03	Serial Dilution		5	L11030742-04	04/04/11 13:29
16	T2.040411.133316	WG360719-03	Serial Dilution		25	L11030742-04	04/04/11 13:33
17	T2.040411.133643	WG360719-03	Serial Dilution		125	L11030742-04	04/04/11 13:36
18	T2.040411.134014	L11040011-01	904892	1.34/50	1		04/04/11 13:40
19	T2.040411.134400	WG360719-01	Post Digestion Spike		1	L11040011-01	04/04/11 13:44
20	T2.040411.134744	WG360719-02	Serial Dilution		5	L11040011-01	04/04/11 13:47
21	T2.040411.135109	WG360719-02	Serial Dilution		25	L11040011-01	04/04/11 13:51
22	T2.040411.135444	WG360766-12	CCV		1		04/04/11 13:54
23	T2.040411.135803	WG360766-13	CCB		1		04/04/11 13:58
24	T2.040411.140148	WG360719-01	Post Digestion Spike		1	L11040011-01	04/04/11 14:01
25	T2.040411.140535	WG360664-01	Reference Sample		1	L11040011-05	04/04/11 14:05
26	T2.040411.140920	WG360664-05	Matrix Spike	1.426/50	1	L11040011-05	04/04/11 14:09
27	T2.040411.141303	WG360664-06	Matrix Spike Duplica	1.426/50	1	L11040011-05	04/04/11 14:13
28	T2.040411.141647	L11030995-01	\#1	1.346/50	1		04/04/11 14:16
29	T2.040411.142033	WG360505-01	Post Digestion Spike		1	L11030995-01	04/04/11 14:20
30	T2.040411.142416	L11030995-03	\#2	1.393/50	1		04/04/11 14:24
31	T2.040411.142804	WG360766-14	CCV		1		04/04/11 14:28
32	T2.040411.143124	WG360766-15	CCB		1		04/04/11 14:31
33	T2.040411.143505	L11040011-02	904893	1.345/50	1		04/04/11 14:35
34	T2.040411.143849	L11040011-03	904894	1.339/50	1		04/04/11 14:38

Page: 1 Approved: April 05, 2011

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.040411.144233	L11040011-04	904895	1.322/50	1		04/04/11 14:42
36	T2.040411.144621	L11040019-01	PFG6096	1.355/50	1		04/04/11 14:46
37	T2.040411.144949	L11040019-02	PFG6097	1.335/50	1		04/04/11 14:49
38	T2.040411.145316	L11040034-01	ORG-A3A-259-10	1.418/50	1		04/04/11 14:53
39	T2.040411.145644	L11040034-02	ORG-B1A-259-10	1.447/50	1		04/04/11 14:56
40	T2.040411.150011	L11040034-03	ORG-D2A-259-10	1.45/50	1		04/04/11 15:00
41	T2.040411.150338	L11040034-04	ORG-E4A-259-10	1.392/50	1		04/04/11 15:03
42	T2.040411.150706	WG360664-02	Reference Sample		1	L11040034-05	04/04/11 15:07
43	T2.040411.151039	WG360766-16	CCV		1		04/04/11 15:10
44	T2.040411.151358	WG360766-17	CCB		1		04/04/11 15:13
45	T2.040411.151741	WG360664-07	Matrix Spike	1.406/50	1	L11040034-05	04/04/11 15:17
46	T2.040411.152108	WG360664-08	Matrix Spike Duplica	1.406/50	1	L11040034-05	04/04/11 15:21
47	T2.040411.152437	WG360766-18	Linear Range Check		1		04/04/11 15:24
48	T2.040411.152808	WG360766-18	Linear Range Check		1		04/04/11 15:28
49	T2.040411.153144	WG360766-18	Linear Range Check		1		04/04/11 15:31
50	T2.040411.153527	L11040034-08	ORG-G2A-259-10	1.328/50	1		04/04/11 15:35
51	T2.040411.153854	L11040034-09	ORG-G2B-259-10	1.45/50	1		04/04/11 15:38
52	T2.040411.154228	WG360766-19	CCV		1		04/04/11 15:42
53	T2.040411.154547	WG360766-20	CCB		1		04/04/11 15:45
54	T2.040411.154927	WG360718-02	Method/Prep Blank	1/50	1		04/04/11 15:49
55	T2.040411.155301	WG360718-03	Laboratory Control S	1/50	1		04/04/11 15:53
56	T2.040411.155625	L11040063-01	\#4	1.328/50	1		04/04/11 15:56
57	T2.040411.160013	L11040066-01	SWMU-57-4111-SS-4'-SW-6	1.338/50	1		04/04/11 16:00
58	T2.040411.160340	L11040066-02	SWMU-57-4111-SS-1'-SW-7	1.322/50	1		04/04/11 16:03
59	T2.040411.160708	L11040066-03	SWMU-57-4111-SS-FC-2'-NU	1.37/50	1		04/04/11 16:07
60	T2.040411.161035	L11040066-04	SWMU-57-4111-SS-7'-SW-8	1.368/50	1		04/04/11 16:10
61	T2.040411.161408	L11040066-05	SWMU-57-4111-SS-7'-SW-9	1.48/50	1		04/04/11 16:14
62	T2.040411.161734	L11040066-06	SWMU-57-4111-SS-15'-FC-N	1.462/50	1		04/04/11 16:17
63	T2.040411.162102	L11040066-07	SWMU-57-4111-SS-7.5'-SW-	1.432/50	1		04/04/11 16:21
64	T2.040411.162441	WG360766-21	CCV		1		04/04/11 16:24
65	T2.040411.162800	WG360766-22	CCB		1		04/04/11 16:28
66	T2.040411.163142	L11040066-08	SWMU-57-4211-SS-7.5'-SW-	1.407/50	1		04/04/11 16:31
67	T2.040411.163509	WG360718-01	Reference Sample		1	L11040067-01	04/04/11 16:35
68	T2.040411.163837	WG360718-04	Matrix Spike	1.343/50	1	L11040067-01	04/04/11 16:38

Page: 2 Approved: April 05, 2011

Sheri L. Babcock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.040411.164203	WG360718-05	Matrix Spike Duplica	1.343/50	1	L11040067-01	04/04/11 16:42
70	T2.040411.164529	WG360751-01	Post Digestion Spike		1	L11040067-01	04/04/11 16:45
71	T2.040411.164855	WG360751-02	Serial Dilution		5	L11040067-01	04/04/11 16:48
72	T2.040411.165222	WG360751-02	Serial Dilution		25	L11040067-01	04/04/11 16:52
73	T2.040411.165558	L1104006701S-DL	L1104006701SDL		1		04/04/11 16:55
74	T2.040411.165935	WG360766-23	CCV		1		04/04/11 16:59
75	T2.040411.170255	WG360766-24	CCB		1		04/04/11 17:02
76	T2.040411.170635	L11040069-01	13825-C0001	1.383/50	1		04/04/11 17:06
77	T2.040411.171014	L11040069-02	13825-C0002	1.38/50	1		04/04/11 17:10
78	T2.040411.171353	L11040069-03	13825-C0003	1.326/50	1		04/04/11 17:13
79	T2.040411.171716	L11040069-04	13825-C0004	1.321/50	1		04/04/11 17:17
80	T2.040411.172046	L11040069-05	13825-C0005	1.441/50	1		04/04/11 17:20
81	T2.040411.172413	L11040069-06	13825-C0006	1.309/50	1		04/04/11 17:24
82	T2.040411.172745	L11040069-07	13825-C0007	1.385/50	1		04/04/11 17:27
83	T2.040411.173115	L11040069-08	13825-C0008	1.326/50	1		04/04/11 17:31
84	T2.040411.173444	L11040069-09	13825-C0009	1.403/50	1		04/04/11 17:34
85	T2.040411.173822	L11040069-10	13825-C0010	1.388/50	1		04/04/11 17:38
86	T2.040411.174149	WG360766-25	CCV		1		04/04/11 17:41
87	T2.040411.174508	WG360766-26	CCB		1		04/04/11 17:45
88	T2.040411.174849	L11040034-10	ORG-H1A-259-10	1.343/50	1		04/04/11 17:48
89	T2.040411.175216	L11040034-11	ORG-H4A-259-10	1.403/50	1		04/04/11 17:52
90	T2.040411.175544	L11040034-12	ORG-J3A-259-10	1.33/50	1		04/04/11 17:55
91	T2.040411.175917	L11031043-07	13955-C0001	1.004/50	1		04/04/11 17:59
92	T2.040411.180240	L11031043-09	13955-C0003	1.024/50	1		04/04/11 18:02
93	T2.040411.180607	L11031043-10	13955-C0004	1.007/50	1		04/04/11 18:06
94	T2.040411.180931	L11031043-11	13955-C0005	1.01/50	1		04/04/11 18:09
95	T2.040411.181257	L11031044-01	14235-C0007	1.008/50	1		04/04/11 18:12
96	T2.040411.181627	WG360766-27	CCV		1		04/04/11 18:16
97	T2.040411.181946	WG360766-28	CCB		1		04/04/11 18:19
98	T2.040411.182326	WG360226-02	Method/Prep Blank	1/50	1		04/04/11 18:23
99	T2.040411.182701	WG360226-03	Laboratory Control S	1/50	1		04/04/11 18:27
100	T2.040411.183025	L11030930-20	903319	1.366/50	1		04/04/11 18:30
101	T2.040411.183410	WG360746-01	Post Digestion Spike		1	L11030930-20	04/04/11 18:34
102	T2.040411.183754	WG360746-02	Serial Dilution		5	L11030930-20	04/04/11 18:37

Page: 3 Approved: April 05, 2011

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.040411.184118	WG360746-02	Serial Dilution		25	L11030930-20	04/04/11 18:41
104	T2.040411.184447	L11030930-21	903320		1	WG360226-01	04/04/11 18:44
105	T2.040411.184832	WG360226-04	Matrix Spike	1.346/50	1	L11030930-21	04/04/11 18:48
106	T2.040411.185224	WG360226-05	Matrix Spike Duplica	1.346/50	1	L11030930-21	04/04/11 18:52
107	T2.040411.185559	L11030829-06	14296-C0026	1.473/50	1		04/04/11 18:55
108	T2.040411.185930	WG360766-29	CCV		1		04/04/11 18:59
109	T2.040411.190249	WG360766-30	CCB		1		04/04/11 19:02
110	T2.040411.190629	L11030829-07	14296-C0027	1.391/50	1		04/04/11 19:06
111	T2.040411.191007	L11030829-08	14296-C0028	1.357/50	1		04/04/11 19:10
112	T2.040411.191330	L11030829-09	14296-C0029	1.467/50	1		04/04/11 19:13
113	T2.040411.191700	L11030829-10	14296-C0030	1.34/50	1		04/04/11 19:17
114	T2.040411.192023	L11030829-11	14296-G0001	1.376/50	1		04/04/11 19:20
115	T2.040411.192347	L11030829-12	14296-G0002	1.363/50	1		04/04/11 19:23
116	T2.040411.192718	L11030829-13	7353-C0001	1.4/50	1		04/04/11 19:27
117	T2.040411.193050	L11030829-14	7353-C0002	1.323/50	1		04/04/11 19:30
118	T2.040411.193421	L11030829-15	7353-C0003	1.321/50	1		04/04/11 19:34
119	T2.040411.193753	L11030829-16	7353-C0004	1.421/50	1		04/04/11 19:37
120	T2.040411.194129	WG360766-31	CCV		1		04/04/11 19:41
121	T2.040411.194448	WG360766-32	CCB		1		04/04/11 19:44
122	T2.040411.194829	L11030829-17	7353-C0005	1.32/50	1		04/04/11 19:48
123	T2.040411.195151	L11030829-18	7353-C0006	1.3/50	1		04/04/11 19:51
124	T2.040411.195522	L11030829-19	7353-C0007	1.331/50	1		04/04/11 19:55
125	T2.040411.195852	L11030829-20	7353-C0008	1.399/50	1		04/04/11 19:58
126	T2.040411.200224	L11030829-21	7353-C0009	1.309/50	1		04/04/11 20:02
127	T2.040411.200554	L11030829-22	7353-C0010	1.395/50	1		04/04/11 20:05
128	T2.040411.200926	L11030829-23	7353-C0012	1.338/50	1		04/04/11 20:09
129	T2.040411.201253	WG360766-33	CCV		1		04/04/11 20:12
130	T2.040411.201613	WG360766-34	CCB		1		04/04/11 20:16

Page: 4 Approved: April 05, 2011

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 04-APR-2011
Analyst: JYH
Analyst: NA
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 360766
Runlog ID: 39831
Analytical Workgroups: 360505,36953,360751,360746,360601

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	
Level 4	995,742,011,019,034,1043,1044
	063,066,067,829,930
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:

Secondary Reviewer:
05-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-05-2011 13:21:23

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11040066
Blank File ID: T2.040411.154927
Prep Date: 04/04/11 12:28
Analyzed Date: 04/04/11 15:49
Analyst: JYH

Work Group: WG360751
Blank Sample ID: WG360718-02
Instrument ID: ICP-THERMO2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360718-03	T2.040411.155301	04/04/11 15:53	01
SWMU-57-4111-SS-4'-SW-6	L11040066-01	T2.040411.160013	04/04/11 16:00	01
SWMU-57-4111-SS-1'-SW-7	L11040066-02	T2.040411.160340	04/04/11 16:03	01
SWMU-57-4111-SS-FC-2'-NUM7	L11040066-03	T2.040411.160708	04/04/11 16:07	01
SWMU-57-4111-SS-7'-SW-8	L11040066-04	T2.040411.161035	04/04/11 16:10	01
SWMU-57-4111-SS-7'-SW-9	L11040066-05	T2.040411.161408	04/04/11 16:14	01
SWMU-57-4111-SS-15'-FC-NUM8	L11040066-06	T2.040411.161734	04/04/11 16:17	01
SWMU-57-4111-SS-7.5'-SW-13	L11040066-07	T2.040411.162102	04/04/11 16:21	01
SWMU-57-4211-SS-7.5'-SW-10	L11040066-08	T2.040411.163142	04/04/11 16:31	01

Report Name: BLANK_SUMMARY
PDF File ID: 1963528
Report generated 04/05/2011 08:58

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040066 Prep Date: 04/04/11 12:28 Sample ID: WG360718-02
Instrument ID: ICP-THERMO2 Run Date: 04/04/11 15:49 Prep Method: 3051A
File ID: T2.040411.154927 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360751 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ICP-TH-04-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	10.0	20.0	10.0	1	U
Antimony, Total	0.500	1.00	0.500	1	U
Iron, Total	1.50	3.00	1.50	1	U
Manganese, Total	0.250	0.500	0.250	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1963529
05-APR-2011 08:58

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360718-03
Instrument ID: ICP-THERMO2 Run Time: 15:53 Prep Method: 3051A
File ID: T2.040411.155301 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360751 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-04-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	250	242	97.0	80 - 120	
Antimony, Total	30.0	28.8	96.1	80 - 120	
Iron, Total	100	96.4	96.4	80 - 120	
Manganese, Total	12.5	12.4	99.0	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1963530
Report generated: 04/05/2011 08:58

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11040066 Cal ID:ICP-THERMO2- Worknum:WG360751
Instrument ID:ICP-THERMO2 Contract #: Method:6010B
Parent ID:WG360718-01 File ID:T2.040411.163509 Dil:1 Matrix:SOLID
Sample ID:WG360718-04 MS File ID:T2.040411.163837 Dil:1 Units:mg/kg
Sample ID:WG360718-05 MSD File ID:T2.040411.164203 Dil:1 Percent Solid:75.8

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	17200	246	16300	-385	246	17800	222	8.76	80 - 120	20	*
Antimony, Total	ND	29.5	24.6	83.5	29.5	24.4	82.9	0.727	80 - 120	20	
Iron, Total	39000	98.2	38100	-957	98.2	39300	246	3.05	80 - 120	20	*
Manganese, Total	387	12.3	315	-591	12.3	291	-781	7.70	80 - 120	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008
PDF File ID:1963531
Report generated 04/06/2011 14:23

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040066 **Worknum:** WG360751
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360751-02 **File ID:** T2.040411.164855 **Dil:** 5 **Units:** mg/L
Sample: L11040067-01 **File ID:** T2.040411.163509 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	351		356		1.42	
Antimony	ND	U	ND	U		
Iron	795		840		5.66	
Manganese	7.88		8.15		3.43	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1963526
04/05/2011 08:58

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040066 **Worknum:** WG360751
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG360751-01 **File ID:** T2.040411.164529 **Dil:** 1 **Units:** mg/L
Sample ID: L11040067-01 **File ID:** T2.040411.163509 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	322		351		5	132.3	75 - 125	N
ANTIMONY	0.584		0	U	.6	97.4	75 - 125	
IRON	701		795		2	-705.2	75 - 125	N
MANGANESE	7.36		7.88		.25	104.0	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1963527
Report generated: 04/05/2011 08:58

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040066**	Workgroup (AAB#):	**WG360751**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG360766**	Initial Calibration Date:	**04-APR-2011 12:54**

	WG360766-01		WG360766-02		WG360766-03		WG360766-04		WG360766-05			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ALUMINUM	0	0.000240	.1	0.000760	.2	0.00120	10	0.0475	20	0.0941	.999981	
ANTIMONY	0	0.0000600	.012	0.000300	.024	0.000510	1.2	0.0218	2.4	0.0431	.999971	
IRON	0	0	.04	0.000620	.08	0.00127	4	0.0629	8	0.125	.99999	
MANGANESE	0	0.000180	.005	0.00110	.01	0.00197	.5	0.0885	1	0.175	.999986	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-07
Instrument ID: ICP-THERMO2 Run Time: 13:01 Method: 6010B
File ID: T2.040411.130126 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360751 Cal ID: ICP-THERI - 04-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
IRON	.03	.06	.03	U
MANGANESE	.005	.01	.005	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1963536
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-11

Instrument ID: ICP-THERMO2 Run Time: 13:15 Method: 6010B

File ID: T2.040411.131514 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963539
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-17

Instrument ID: ICP-THERMO2 Run Time: 15:13 Method: 6010B

File ID: T2.040411.151358 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963539
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-20

Instrument ID: ICP-THERMO2 Run Time: 15:45 Method: 6010B

File ID: T2.040411.154547 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963539
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-22

Instrument ID: ICP-THERMO2 Run Time: 16:28 Method: 6010B

File ID: T2.040411.162800 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963539
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-24

Instrument ID: ICP-THERMO2 Run Time: 17:02 Method: 6010B

File ID: T2.040411.170255 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963539
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-06

Instrument ID: ICP-THERMO2 Run Time: 12:58 Method: 6010B

File ID: T2.040411.125806 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.0	100	90 - 110	
Antimony		1.2	1.21	101	90 - 110	
Iron		4	3.97	99.3	90 - 110	
Manganese		.5	0.501	100	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1963535

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-10

Instrument ID: ICP-THERMO2 Run Time: 13:11 Method: 6010B

File ID: T2.040411.131155 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.98	mg/L	99.8	90 - 110		
Antimony		1.20	1.19	mg/L	99.4	90 - 110		
Iron		4.00	3.96	mg/L	98.9	90 - 110		
Manganese		0.500	0.499	mg/L	99.8	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963538

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-16

Instrument ID: ICP-THERMO2 Run Time: 15:10 Method: 6010B

File ID: T2.040411.151039 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.0	mg/L	100	90 - 110		
Antimony		1.20	1.22	mg/L	102	90 - 110		
Iron		4.00	4.00	mg/L	99.9	90 - 110		
Manganese		0.500	0.506	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963538

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-19

Instrument ID: ICP-THERMO2 Run Time: 15:42 Method: 6010B

File ID: T2.040411.154228 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.99	mg/L	99.9	90 - 110		
Antimony		1.20	1.23	mg/L	103	90 - 110		
Iron		4.00	3.98	mg/L	99.6	90 - 110		
Manganese		0.500	0.506	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963538

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-21

Instrument ID: ICP-THERMO2 Run Time: 16:24 Method: 6010B

File ID: T2.040411.162441 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.81	mg/L	98.1	90 - 110		
Antimony		1.20	1.22	mg/L	102	90 - 110		
Iron		4.00	3.94	mg/L	98.5	90 - 110		
Manganese		0.500	0.502	mg/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963538

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766-23

Instrument ID: ICP-THERMO2 Run Time: 16:59 Method: 6010B

File ID: T2.040411.165935 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.84	mg/L	98.4	90 - 110		
Antimony		1.20	1.22	mg/L	101	90 - 110		
Iron		4.00	3.94	mg/L	98.5	90 - 110		
Manganese		0.500	0.499	mg/L	99.7	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963538

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040066 **Workgroup (AAB#):** WG360751
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG360766-08 **File ID:** T2.040411.130502 **Units:** mg/L
Sol. AB : WG360766-09 **File ID:** T2.040411.130829 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	253	101	250	247	98.8	
Antimony	NS	-0.00118	NS	0.500	0.506	101	
Iron	100	98.4	98.4	100	95.4	95.4	
Manganese	NS	-0.00136	NS	0.250	0.246	98.4	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

LRC SAMPLE

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360766
Instrument ID: ICP-THERMO2 Run Time: 12:54 Prep Method: 3051A
Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360751 Matrix: Solid Units: mg/kg
Cal ID: 04-APR-11 - 04-APR-2011 12:54

Analytes	Expected	Found	% Rec	Limits	Q
Aluminum, Total	900	860	95.6	90 - 110	
Iron, Total	1000	962	96.2	90 - 110	
Manganese, Total	200	199	99.5	90 - 110	

KEMRON FORMS - Modified 08/28/2006
Version 1.5 PDF File ID: 1964265
Report generated 04/05/2011 13:40

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040066 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.0000210	0	0	0	0
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00190	0	-0.000140	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	224.70	0	0	0	0	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000335	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	-0.000750	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	-0.0000300	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	-0.0000120	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0
ZINC	206.20	0.0000420	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1963533
Report generated: 04/05/2011 08:57

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040066 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.000820	0	0	0
ANTIMONY	206.80	0	0	0.00950	0	0.0000560
ARSENIC	189.00	0	0	0.000490	0	-0.0000120
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00343	0	0	-0.000619
CADMIUM	228.80	0	-0.00200	0	0	-0.00000800
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000530
COBALT	228.60	0	0	0.000108	0	0
COPPER	224.70	0	0.0000770	0	0	0.000196
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	-0.0000930	-0.000172	0.000809	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	-0.0000920	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000100	0	0	0.0000320
PHOSPHORUS	214.90	0	0	0	0.00200	0.00120
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0.0000570	0	0	0	0
THALLIUM	190.80	0	0.00397	0.000276	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	-0.00000200
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	-0.0000300

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1963533
Report generated: 04/05/2011 08:57

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040066 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	LI	MG	MN	MO	NA
ALUMINUM	308.20	0	0	0	0.0153	0
ANTIMONY	206.80	0	0	0	0.000670	0
ARSENIC	189.00	0	0	0	0.00109	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.00169	0
CADMIUM	228.80	0	0	0	0.0000220	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0.000160	0	0
COBALT	228.60	0	0	0	-0.000983	0
COPPER	224.70	0	0	0	0.00274	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	0	0	-0.00183	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	-0.00190	-0.0110	0
MANGANESE	257.60	0	0.00000900	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0.00800	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0.000156	0
SILICON	212.40	0	0	0	0.0187	0
SILVER	328.00	0	0	0	-0.0000440	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	-0.000153	0
VANADIUM	292.40	0	0	0	-0.00778	0
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
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Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040066 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	NI	SB	SN	SR	TI
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0	0	-0.00840	0	-0.000990
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	-0.000128	0	0	0	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000550
COBALT	228.60	0.000175	0	0	0	0.00188
COPPER	224.70	-0.0120	0	0	0	0.000269
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000110	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	-0.00290
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	-0.00620
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	-0.00170
TIN	189.90	0	0	0	0	-0.00220
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0.000824
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
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Report generated: 04/05/2011 08:57

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040066 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	V	ZN	ZR
ALUMINUM	308.20	0.00300	0	0
ANTIMONY	206.80	-0.00438	0	0
ARSENIC	189.00	0.000107	0	0
BARIUM	455.40	0	0	0
BERYLLIUM	313.00	0	0	0
BORON	249.70	0	0	0
CADMIUM	228.80	0.0000820	0	0
CALCIUM	422.70	0	0	0
CHROMIUM	267.70	0	0	
COBALT	228.60	0.0000200	0	0
COPPER	224.70	0	0	
IRON	261.20	0	0	0
LEAD	220.30	-0.000126	0	0
LITHIUM	670.80	0	0	0
MAGNESIUM	279.10	0	0	0
MANGANESE	257.60	0	0	0
MOLYBDENUM	202.03	-0.000110	0	0
NICKEL	231.60	0	0	0
PHOSPHORUS	214.90	-0.00500	0	0.00200
POTASSIUM	766.40	0	0	0
SELENIUM	196.00	0	0	0
SILICON	212.40	0	0	0
SILVER	328.00	-0.00617	0	0
SODIUM	589.50	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-0.0282	0	0
TIN	189.90	0	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0	0	
ZINC	206.20	0	0	0
ZIRCONIUM	339.20	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1963533
Report generated: 04/05/2011 08:57

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040066 **Date:** 12/13/2010
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	810.0
Antimony	10.00	90.0
Arsenic	10.00	90.0
Barium	10.00	90.0
Beryllium	15.00	4.5
Boron	10.00	90.0
Cadmium	10.00	16.2
Calcium	10.00	900.0
Chromium	10.00	81.0
Cobalt	10.00	90.0
Copper	10.00	180.0
Iron	5.00	900.0
Lead	10.00	180.0
Lithium	10.00	90.0
Magnesium	15.00	900.0
Manganese	15.00	180.0
Molybdenum	10.00	9.0
Nickel	10.00	90.0
Phosphorus	10.00	900.0
Potassium	10.00	315.0
Selenium	10.00	90.0
Silicon	10.00	90.0
Silver	5.00	9.0
Sodium	10.00	315.0
Strontium	10.00	4.5
Thallium	10.00	9.0
Tin	10.00	90.0
Titanium	15.00	90.0
Vanadium	10.00	90.0
Zinc	10.00	45.0
Zirconium	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1963532
Report generated: 04/05/2011 08:57

2.1.1.3 Raw Data

Sample Name: S0 Acquired: 4/4/2011 12:40:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00042**	**.00024**	**-.00008**	**.00055**	**.00253**	**-.00176**	**-.00044**
Stddev	.00020	.00003	.00001	.00004	.00015	.00002	.00004
%RSD	47.959	11.173	13.164	6.6880	6.0318	1.0139	9.0196
#1	-.00039	.00026	-.00009	.00051	.00270	-.00178	-.00047
#2	-.00064	.00026	-.00007	.00059	.00248	-.00177	-.00044
#3	-.00024	.00021	-.00009	.00056	.00240	-.00174	-.00040

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00003**	**-.00014**	**-.00018**	**.00017**	**.00000**	**-.00048**	**-.00097**
Stddev	.00002	.00001	.00008	.00002	.00003	.00021	.00012
%RSD	86.966	9.8250	45.373	10.472	1221.9	44.166	11.839
#1	.00003	-.00014	-.00011	.00019	-.00001	-.00053	-.00106
#2	.00000	-.00012	-.00015	.00016	.00004	-.00066	-.00102
#3	.00005	-.00015	-.00027	.00017	-.00002	-.00024	-.00084

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00001**	**.00018**	**.00002**	**-.00291**	**-.00022**	**.00012**	**-.00018**
Stddev	.00003	.00005	.00001	.00013	.00002	.00001	.00005
%RSD	175.01	27.880	41.527	4.5904	8.6023	12.210	24.994
#1	.00001	.00024	.00002	-.00288	-.00024	.00011	-.00013
#2	-.00001	.00016	.00001	-.00305	-.00021	.00013	-.00019
#3	-.00004	.00015	.00002	-.00279	-.00021	.00010	-.00022

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00463**	**.00029**	**.00017**	**.00006**	**-.00008**	**.00040**	**.00004**
Stddev	.00014	.00001	.00001	.00003	.00001	.00002	.00001
%RSD	3.0200	3.1651	3.8089	43.327	11.610	5.1907	28.547
#1	-.00450	.00030	.00017	.00006	-.00007	.00043	.00005
#2	-.00478	.00030	.00016	.00004	-.00009	.00038	.00003
#3	-.00460	.00028	.00017	.00010	-.00008	.00041	.00005

Approved: April 05, 2011

Sample Name: S0 Acquired: 4/4/2011 12:40:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00060**	**-.00037**	**-.00005**	**.00026**	**.00025**	**-.00078**
Stddev	.00002	.00007	.00001	.00002	.00000	.00006
%RSD	3.6410	18.075	13.747	8.4320	.81096	7.7134
#1	.00060	-.00033	-.00005	.00028	.00025	-.00079
#2	.00062	-.00044	-.00006	.00025	.00025	-.00072
#3	.00057	-.00033	-.00006	.00024	.00025	-.00084

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65349.**	**69238.**
Stddev	319.	1391.
%RSD	.48754	2.0094
#1	65103.	68998.
#2	65237.	67983.
#3	65709.	70734.

Approved: April 05, 2011

Sample Name: S1 Acquired: 4/4/2011 12:44:08 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00065**	**.00076**	**.01014**	**.00039**	**.00088**	**.00023**	**.00035**
Stddev	.00015	.00013	.00021	.00008	.00005	.00003	.00003
%RSD	23.078	16.962	2.0404	19.583	6.0399	11.838	8.1412
#1	.00074	.00082	.01038	.00044	.00094	.00021	.00038
#2	.00048	.00085	.01003	.00042	.00084	.00026	.00032
#3	.00074	.00061	.01002	.00030	.00087	.00022	.00036

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00125**	**.00059**	**.00062**	**.00367**	**.00060**	**.00047**	**.00110**
Stddev	.00005	.00002	.00001	.00002	.00010	.00002	.00003
%RSD	3.7156	3.7112	2.0380	.41900	16.657	4.8976	2.4655
#1	.00120	.00058	.00063	.00366	.00069	.00047	.00107
#2	.00129	.00058	.00061	.00365	.00049	.00049	.00110
#3	.00127	.00062	.00061	.00368	.00062	.00044	.00112

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00077**	**.01133**	**.00010**	**.00089**	**.00004**	**-.00480**	**.00034**
Stddev	.00001	.00020	.00002	.00001	.00001	.00028	.00001
%RSD	1.2173	1.7638	20.166	.67655	38.632	5.9187	2.7536
#1	.00077	.01155	.00008	.00089	.00004	-.00501	.00035
#2	.00076	.01115	.00011	.00088	.00005	-.00490	.00035
#3	.00078	.01129	.00012	.00089	.00002	-.00447	.00033

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00017**	**.00030**	**.00138**	**.00058**	**.01371**	**.00051**	**.00579**
Stddev	.00001	.00002	.00001	.00001	.00004	.00004	.00001
%RSD	3.2282	5.3455	.82571	1.0198	.29619	7.5713	.25795
#1	.00017	.00032	.00137	.00057	.01373	.00050	.00581
#2	.00017	.00029	.00138	.00058	.01374	.00056	.00579
#3	.00016	.00029	.00139	.00059	.01367	.00049	.00578

Approved: April 05, 2011

Sample Name: S1 Acquired: 4/4/2011 12:44:08 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00318**	**.00957**
Stddev	.00003	.00008
%RSD	.92288	.79385
#1	.00314	.00961
#2	.00320	.00948
#3	.00318	.00961

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64976.**	**67715.**
Stddev	173.	728.
%RSD	.26587	1.0756
#1	65153.	67153.
#2	64808.	67455.
#3	64965.	68538.

Approved: April 05, 2011

Sample Name: S2 Acquired: 4/4/2011 12:47:43 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00207**	**.00120**	**.00005**	**.00196**	**.01727**	**.00262**	**.00211**
Stddev	.00006	.00001	.00000	.00002	.00009	.00004	.00005
%RSD	2.9476	.64126	7.3156	.99478	.53915	1.6872	2.1982
#1	.00200	.00121	.00006	.00194	.01732	.00258	.00216
#2	.00211	.00121	.00005	.00196	.01733	.00261	.00211
#3	.00210	.00119	.00005	.00197	.01716	.00267	.00207

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00045**	**.00084**	**.00264**	**.00101**	**.00127**	**.00733**	**.00230**
Stddev	.00001	.00002	.00004	.00003	.00000	.00026	.00023
%RSD	3.1144	1.8932	1.3853	2.8286	.18173	3.5024	9.9154
#1	.00046	.00082	.00265	.00102	.00127	.00763	.00204
#2	.00045	.00085	.00267	.00098	.00127	.00720	.00247
#3	.00043	.00085	.00260	.00103	.00127	.00717	.00238

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00091**	**.00197**	**.00154**	**.02581**	**.00041**	**.00170**	**.00017**
Stddev	.00003	.00004	.00000	.00030	.00003	.00002	.00002
%RSD	3.1103	1.9455	.26489	1.1680	6.9949	.95837	10.755
#1	.00094	.00200	.00154	.02590	.00045	.00168	.00019
#2	.00088	.00198	.00154	.02605	.00039	.00171	.00016
#3	.00091	.00193	.00153	.02547	.00040	.00169	.00017

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00479**	**.00038**	**.00017**	**.00051**	**-.00001**	**.00232**	**.00114**
Stddev	.00011	.00002	.00000	.00001	.00002	.00002	.00001
%RSD	2.2963	4.0311	1.5479	1.1052	427.00	.86797	1.2288
#1	-.00475	.00037	.00017	.00051	-.00003	.00233	.00114
#2	-.00491	.00040	.00017	.00052	.00001	.00233	.00112
#3	-.00470	.00037	.00018	.00052	.00000	.00230	.00115

Approved: April 05, 2011

Sample Name: S2 Acquired: 4/4/2011 12:47:43 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02658**	**.00153**	**.00008**	**.01122**	**.00609**	**.02006**
Stddev	.00021	.00005	.00000	.00016	.00003	.00006
%RSD	.78212	3.5367	2.0548	1.4475	.45395	.30074
#1	.02677	.00147	.00008	.01136	.00607	.02004
#2	.02660	.00156	.00008	.01104	.00612	.02013
#3	.02636	.00157	.00008	.01125	.00608	.02001

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63827.**	**69112.**
Stddev	58.	589.
%RSD	.09012	.85235
#1	63885.	68562.
#2	63826.	69733.
#3	63770.	69042.

Approved: April 05, 2011

Sample Name: S3 Acquired: 4/4/2011 12:51:19 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.11669**	**.04745**	**.00741**	**.06683**	**.73443**	**.21855**	**.12785**
Stddev	.00045	.00098	.00007	.00019	.01469	.00056	.00257
%RSD	.38681	2.0661	.89639	.29174	2.0002	.25587	2.0108
#1	.11617	.04702	.00744	.06700	.72833	.21885	.12637
#2	.11690	.04857	.00745	.06662	.75118	.21890	.13082
#3	.11700	.04677	.00733	.06687	.72377	.21791	.12636

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01850**	**.04532**	**.13337**	**.04057**	**.06285**	**.38213**	**.16057**
Stddev	.00010	.00017	.00069	.00019	.00125	.00722	.00325
%RSD	.52105	.38331	.51853	.47846	1.9934	1.8897	2.0260
#1	.01861	.04549	.13416	.04078	.06230	.37817	.15918
#2	.01846	.04531	.13291	.04054	.06428	.39046	.16429
#3	.01842	.04514	.13303	.04040	.06197	.37775	.15825

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.04569**	**.08850**	**.07526**	**1.3994**	**.02864**	**.07774**	**.01759**
Stddev	.00088	.00165	.00017	.0257	.00010	.00033	.00005
%RSD	1.9200	1.8638	.22370	1.8399	.34218	.42720	.27190
#1	.04530	.08745	.07534	1.3835	.02871	.07807	.01762
#2	.04670	.09041	.07537	1.4291	.02867	.07775	.01761
#3	.04508	.08765	.07507	1.3855	.02853	.07741	.01753

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00511**	**.00358**	**.00013**	**.02181**	**.00416**	**.09326**	**.05425**
Stddev	.00037	.00001	.00002	.00008	.00002	.00052	.00023
%RSD	7.1637	.32828	15.230	.37858	.42323	.55259	.41734
#1	-.00529	.00359	.00011	.02185	.00418	.09373	.05446
#2	-.00535	.00357	.00015	.02186	.00415	.09332	.05427
#3	-.00469	.00358	.00013	.02171	.00416	.09271	.05401

Approved: April 05, 2011

Sample Name: S3 Acquired: 4/4/2011 12:51:19 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.2831**	**.09783**	**.00687**	**.53999**	**.28922**	**1.0463**
Stddev	.0240	.00187	.00001	.00109	.00074	.0029
%RSD	1.8687	1.9154	.19774	.20252	.25636	.27275
#1	1.2683	.09681	.00688	.53879	.29008	1.0496
#2	1.3108	.09999	.00688	.54024	.28886	1.0444
#3	1.2703	.09669	.00686	.54093	.28874	1.0450

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63019.**	**66745.**
Stddev	282.	958.
%RSD	.44725	1.4357
#1	62693.	66797.
#2	63177.	65761.
#3	63186.	67675.

Approved: April 05, 2011

Sample Name: S4 Acquired: 4/4/2011 12:54:40 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.23235**	**.09414**	**.01492**	**.13196**	**1.4667**	**.44231**	**.25520**
Stddev	.00180	.00269	.00006	.00103	.0402	.00273	.00719
%RSD	.77580	2.8566	.41961	.78095	2.7402	.61635	2.8175
#1	.23078	.09194	.01492	.13109	1.4349	.43949	.24972
#2	.23432	.09713	.01486	.13310	1.5118	.44493	.26334
#3	.23195	.09333	.01498	.13170	1.4532	.44250	.25253

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03656**	**.08944**	**.26572**	**.07979**	**.12458**	**.76271**	**.32173**
Stddev	.00011	.00022	.00137	.00026	.00333	.02116	.00872
%RSD	.29031	.25035	.51591	.32570	2.6761	2.7744	2.7104
#1	.03654	.08950	.26428	.07990	.12184	.74618	.31497
#2	.03647	.08919	.26701	.07950	.12829	.78656	.33157
#3	.03668	.08963	.26586	.07998	.12360	.75538	.31866

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.08959**	**.17514**	**.15021**	**2.7743**	**.05649**	**.15531**	**.03452**
Stddev	.00228	.00486	.00016	.0810	.00006	.00026	.00005
%RSD	2.5440	2.7776	.10332	2.9216	.10211	.16705	.13983
#1	.08782	.17140	.15010	2.7127	.05646	.15541	.03447
#2	.09216	.18064	.15015	2.8661	.05645	.15501	.03457
#3	.08878	.17339	.15039	2.7441	.05655	.15549	.03453

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00488**	**.00659**	**.00009**	**.04308**	**.00829**	**.18410**	**.10694**
Stddev	.00015	.00002	.00001	.00013	.00002	.00045	.00010
%RSD	2.9774	.25120	13.118	.30257	.20656	.24194	.09413
#1	-.00476	.00657	.00010	.04316	.00829	.18446	.10692
#2	-.00484	.00660	.00008	.04293	.00828	.18360	.10686
#3	-.00504	.00660	.00009	.04315	.00831	.18424	.10706

Approved: April 05, 2011

Sample Name: S4 Acquired: 4/4/2011 12:54:40 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.5598**	**.19554**	**.01330**	**1.0829**	**.57538**	**2.1103**
Stddev	.0751	.00544	.00007	.0093	.00115	.0200
%RSD	2.9335	2.7835	.52103	.86128	.19933	.94692
#1	2.5034	.19135	.01325	1.0754	.57410	2.0937
#2	2.6451	.20169	.01328	1.0933	.57577	2.1325
#3	2.5310	.19357	.01338	1.0798	.57629	2.1047

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62133.**	**67784.**
Stddev	135.	1091.
%RSD	.21664	1.6090
#1	62221.	68511.
#2	62199.	66530.
#3	61978.	68311.

Approved: April 05, 2011

Sample Name: ICV Acquired: 4/4/2011 12:58:06 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40364**	**10.024**	**.40115**	**.50333**	**.99087**	**.05021**	**9.9521**
Stddev	.00194	.090	.00115	.00103	.00521	.00003	.0830
%RSD	.48013	.90139	.28769	.20461	.52597	.06763	.83448
#1	.40231	9.9253	.39989	.50234	.98651	.05020	9.8593
#2	.40586	10.102	.40215	.50440	.99664	.05018	10.019
#3	.40275	10.046	.40141	.50325	.98946	.05024	9.9775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05030**	**.20279**	**.50577**	**.50628**	**3.9726**	**49.894**	**.99488**
Stddev	.00007	.00009	.00044	.00075	.0258	.270	.00448
%RSD	.13756	.04582	.08779	.14769	.65029	.54199	.45059
#1	.05026	.20270	.50529	.50627	3.9428	49.597	.99309
#2	.05027	.20288	.50586	.50554	3.9890	50.127	.99998
#3	.05038	.20280	.50616	.50704	3.9860	49.959	.99156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.012**	**.50112**	**1.0082**	**50.330**	**.50815**	**9.9454**	**.51042**
Stddev	.063	.00150	.0022	.332	.00046	.0130	.00136
%RSD	.62925	.29861	.21426	.65894	.08958	.13044	.26739
#1	9.9430	.49990	1.0057	49.971	.50763	9.9304	.50933
#2	10.066	.50279	1.0097	50.625	.50837	9.9536	.51195
#3	10.028	.50066	1.0092	50.393	.50845	9.9522	.50998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: ICV Acquired: 4/4/2011 12:58:06 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.6887**	**10.214**	F **12.307**	**1.2077**	**.40400**	**5.0341**	**1.0096**
Stddev	5.0290	.031	1.211	.0032	.00355	.0084	.0025
%RSD	57.880	.30643	9.8377	.26376	.87974	.16605	.24880
#1	8.7700	10.177	12.792	1.2105	.40016	5.0279	1.0069
#2	3.6196	10.230	10.929	1.2043	.40718	5.0436	1.0102
#3	13.677	10.233	13.200	1.2083	.40466	5.0307	1.0118
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-5.0000%		5.0000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0005**	**.99353**	**.51372**	**1.0057**	**1.0066**	**1.0081**
Stddev	.0062	.00490	.00073	.0033	.0029	.0040
%RSD	.61899	.49284	.14239	.32966	.28746	.39621
#1	.99451	.98942	.51305	1.0038	1.0034	1.0117
#2	1.0069	.99894	.51361	1.0095	1.0074	1.0090
#3	1.0000	.99221	.51450	1.0037	1.0090	1.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62918.**	**67891.**
Stddev	54.	509.
%RSD	.08655	.75012
#1	62981.	68288.
#2	62881.	68069.
#3	62892.	67317.

Approved: April 05, 2011

Sample Name: ICB Acquired: 4/4/2011 13:01:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00112**	**-.00044**	**.00211**	**.00020**	**.00000**	**-.00769**
Stddev	.00010	.01091	.00049	.00048	.00015	.0000	.00407
%RSD	11.141	973.98	111.28	22.894	75.881	519.96	52.980
#1	-.00082	-.00102	-.00010	.00158	.00026	.00001	-.00459
#2	-.00092	-.00857	-.00022	.00226	.00032	-.00002	-.01231
#3	-.00102	.01295	-.00101	.00251	.00003	-.00001	-.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00001**	**-.00008**	**-.00020**	**.00012**	**.12135**	**-.00045**
Stddev	.00004	.00014	.00022	.00020	.00174	.03243	.00155
%RSD	49.090	2274.4	280.26	102.18	1498.3	26.722	346.78
#1	.00004	.00005	-.00033	-.00034	-.00182	.14854	.00092
#2	.00008	.00010	.00002	-.00030	.00062	.13006	-.00013
#3	.00012	-.00016	.00007	.00003	.00154	.08546	-.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**.00008**	**.00018**	**.00575**	**.00005**	**.00061**	**-.00009**
Stddev	.00231	.00013	.00018	.00571	.00036	.00177	.00090
%RSD	97.802	167.24	98.659	99.254	775.90	289.36	1027.7
#1	-.00471	.00011	.00037	.00196	-.00027	.00191	-.00101
#2	-.00009	.00019	.00013	.01232	.00043	.00133	.00080
#3	-.00229	-.00007	.00003	.00298	-.00002	-.00140	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: ICB Acquired: 4/4/2011 13:01:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.9588**	**-.01828**	F **3.3906**	**.00025**	**-.00148**	**.00209**	**-.00077**
Stddev	5.6031	.04301	1.6651	.00029	.00100	.00147	.00024
%RSD	56.263	235.28	49.110	119.19	67.773	70.335	30.896
#1	7.5403	-.06287	4.3104	.00049	-.00192	.00122	-.00093
#2	5.9712	-.01490	4.3930	.00033	-.00033	.00127	-.00049
#3	16.365	.02294	1.4685	-.00008	-.00218	.00379	-.00088
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0400		1.0400				
Low Limit	-1.2000		-1.0400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00160**	**-.00122**	**.00017**	**.00087**	**-.00001**
Stddev	.00002	.00019	.00025	.00021	.00004	.00011
%RSD	284.87	12.084	20.825	124.30	4.2929	1205.8
#1	.00002	-.00147	-.00094	.00008	.00087	.00011
#2	-.00002	-.00151	-.00129	.00041	.00083	-.00010
#3	-.00001	-.00182	-.00144	.00002	.00090	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64396.**	**67480.**
Stddev	144.	75.
%RSD	.22407	.11126
#1	64433.	67398.
#2	64518.	67497.
#3	64237.	67546.

Approved: April 05, 2011

Sample Name: ICSA Acquired: 4/4/2011 13:05:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**253.02**	**-.00263**	**.03985**	**.00136**	**-.00003**	**246.83**
Stddev	.00017	9.31	.00062	.00179	.00033	.00002	9.19
%RSD	14.436	3.6779	23.761	4.4885	24.544	75.508	3.7219
#1	-.00103	252.68	-.00310	.03956	.00128	-.00005	246.57
#2	-.00117	243.89	-.00286	.03822	.00107	-.00002	237.78
#3	-.00138	262.49	-.00192	.04176	.00173	-.00001	256.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00128**	**.00013**	**-.00129**	F **.01125**	**98.445**	**.16235**	**.01154**
Stddev	.00011	.00020	.00048	.00073	3.816	.04874	.00146
%RSD	8.5677	146.83	37.213	6.4469	3.8759	30.021	12.637
#1	.00115	.00035	-.00141	.01146	98.001	.13348	.01316
#2	.00134	.00008	-.00076	.01185	94.870	.13494	.01115
#3	.00135	-.00003	-.00169	.01045	102.46	.21862	.01032
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050			.00500			
Low Limit	-.00050			-.00500			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**254.65**	**-.00136**	**-.00044**	**.00851**	**-.00063**	**-.02219**	**-.00355**
Stddev	10.29	.00006	.00038	.00624	.00051	.00290	.00199
%RSD	4.0410	4.1625	86.272	73.314	80.503	13.059	55.893
#1	253.27	-.00141	-.00080	.01261	-.00048	-.01886	-.00348
#2	245.12	-.00130	-.00004	.01158	-.00022	-.02410	-.00161
#3	265.56	-.00137	-.00048	.00133	-.00120	-.02361	-.00558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: ICSA Acquired: 4/4/2011 13:05:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.9444**	F **237.11**	F **25.477**	**-.00118**	**-.00427**	**.03050**	**-.00019**
Stddev	5.9050	.47	3.225	.00068	.00150	.00086	.00020
%RSD	99.337	.19733	12.658	57.381	35.083	2.8060	102.47
#1	2.4435	237.13	29.174	-.00131	-.00527	.03120	-.00017
#2	2.6277	237.57	24.017	-.00045	-.00499	.03074	-.00040
#3	12.762	236.63	23.241	-.00179	-.00255	.02955	-.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00588**	**.00020**	**.00023**	**-.00699**	**-.00172**
Stddev	.00003	.00109	.00091	.00012	.00047	.00011
%RSD	107.65	18.570	458.03	50.844	6.6913	6.3735
#1	-.00007	-.00648	.00040	.00028	-.00697	-.00166
#2	-.00001	-.00462	-.00080	.00031	-.00654	-.00185
#3	-.00002	-.00655	.00100	.00010	-.00747	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59419.**	**67502.**
Stddev	50.	2197.
%RSD	.08372	3.2542
#1	59375.	68071.
#2	59409.	69358.
#3	59473.	65077.

Approved: April 05, 2011

Sample Name: ICSAB Acquired: 4/4/2011 13:08:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49558**	**246.67**	**.24796**	**.03637**	**.24972**	**.26474**	**240.08**
Stddev	.00150	.68	.00159	.00043	.00045	.00032	.70
%RSD	.30291	.27687	.64135	1.1701	.18139	.12263	.29024
#1	.49501	247.45	.24631	.03686	.25024	.26445	240.88
#2	.49445	246.39	.24808	.03618	.24954	.26509	239.58
#3	.49728	246.17	.24949	.03607	.24939	.26467	239.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47327**	**.24575**	**.24714**	**.25753**	**95.384**	**5.2453**	**.01015**
Stddev	.00109	.00056	.00054	.00074	.306	.0420	.00148
%RSD	.23107	.22787	.21785	.28717	.32044	.80162	14.550
#1	.47223	.24539	.24674	.25742	95.731	5.2924	.01098
#2	.47316	.24545	.24692	.25686	95.156	5.2117	.00844
#3	.47441	.24639	.24775	.25832	95.264	5.2317	.01102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**245.76**	**.24644**	**-.00043**	**5.1221**	**.48842**	**-.01782**	**.48408**
Stddev	.94	.00036	.00008	.0109	.00170	.00364	.00254
%RSD	.38429	.14578	19.541	.21222	.34727	20.433	.52506
#1	246.76	.24682	-.00033	5.1316	.48678	-.01619	.48183
#2	244.88	.24610	-.00047	5.1243	.48831	-.02198	.48356
#3	245.65	.24639	-.00049	5.1102	.49017	-.01527	.48684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: ICSAB Acquired: 4/4/2011 13:08:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.5159**	F **224.87**	F **26.678**	**.50612**	**.24354**	**.00533**	**-.00034**
Stddev	7.5349	.29	3.606	.00081	.00243	.00163	.00013
%RSD	115.64	.12909	13.517	.15926	.99634	30.640	37.422
#1	13.646	224.54	29.853	.50677	.24093	.00706	-.00047
#2	-1.3670	224.95	27.422	.50522	.24573	.00381	-.00032
#3	7.2684	225.10	22.758	.50637	.24395	.00513	-.00022
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00549**	**.45457**	**.24787**	**.47040**	**-.00170**
Stddev	.00009	.00081	.00154	.00066	.00072	.00009
%RSD	40.928	14.733	.33940	.26508	.15279	5.1880
#1	-.00031	-.00472	.45455	.24741	.46959	-.00162
#2	-.00016	-.00542	.45303	.24757	.47096	-.00168
#3	-.00016	-.00633	.45612	.24862	.47064	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59616.**	**66578.**
Stddev	42.	809.
%RSD	.07026	1.2144
#1	59610.	65782.
#2	59661.	67399.
#3	59578.	66553.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:11:55 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40269**	**9.9828**	**.39722**	**.49795**	**.98615**	**.04996**	**9.9108**
Stddev	.00513	.0567	.00656	.00482	.00550	.00053	.0407
%RSD	1.2736	.56812	1.6505	.96723	.55763	1.0702	.41073
#1	.40385	10.048	.40091	.49856	.99248	.04989	9.9571
#2	.39707	9.9537	.38965	.49286	.98338	.04947	9.8807
#3	.40713	9.9465	.40110	.50243	.98259	.05053	9.8946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04994**	**.20173**	**.50249**	**.50200**	**3.9559**	**49.670**	**.98947**
Stddev	.00092	.00387	.00564	.00950	.0148	.148	.00253
%RSD	1.8344	1.9180	1.1228	1.8927	.37499	.29861	.25552
#1	.05031	.20299	.50084	.50447	3.9716	49.836	.99215
#2	.04890	.19738	.49785	.49151	3.9539	49.549	.98916
#3	.05061	.20481	.50877	.51003	3.9422	49.625	.98712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9400**	**.49904**	**.98856**	**50.197**	**.50077**	**9.8158**	**.50212**
Stddev	.0500	.00093	.02129	.131	.00988	.1955	.00872
%RSD	.50250	.18700	2.1533	.26105	1.9726	1.9917	1.7366
#1	9.8862	.49806	.99759	50.343	.50483	9.8962	.50532
#2	9.9488	.49915	.96424	50.089	.48951	9.5929	.49225
#3	9.9849	.49992	1.0038	50.160	.50798	9.9582	.50879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:11:55 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.7059**	**10.107**	F **11.347**	**1.1929**	**.39797**	**4.9726**	**1.0014**
Stddev	2.9904	.195	4.161	.0250	.00698	.1020	.0205
%RSD	110.51	1.9341	36.670	2.0932	1.7527	2.0519	2.0454
#1	2.0135	10.157	14.876	1.2037	.40024	5.0204	1.0080
#2	5.9818	9.8920	6.7590	1.1644	.39015	4.8554	.97845
#3	.12250	10.273	12.405	1.2107	.40354	5.0419	1.0178
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99758**	**.98962**	**.50766**	**.99757**	**.99417**	**.99379**
Stddev	.00479	.00357	.00889	.01235	.01894	.01091
%RSD	.48064	.36124	1.7519	1.2382	1.9050	1.0982
#1	1.0031	.99333	.51101	1.0006	.99949	.99632
#2	.99414	.98619	.49758	.98398	.97314	.98183
#3	.99553	.98933	.51439	1.0081	1.0099	1.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63296.**	**68816.**
Stddev	784.	502.
%RSD	1.2389	.72911
#1	63131.	69390.
#2	64150.	68598.
#3	62608.	68461.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 13:15:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.01634**	**.00013**	**.00089**	**.00032**	**.00001**	**-.00174**
Stddev	.00012	.00992	.00038	.00044	.00017	.00001	.00128
%RSD	55.908	60.720	296.27	49.529	53.869	69.844	73.546
#1	-.00020	.01113	-.00013	.00100	.00037	.00001	-.00168
#2	-.00033	.01010	.00056	.00126	.00013	.00001	-.00049
#3	-.00010	.02777	-.00005	.00040	.00047	.00000	-.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00000**	**-.00013**	**-.00033**	**.00185**	**.04293**	**-.00103**
Stddev	.00005	.00006	.00029	.00039	.00350	.02399	.00050
%RSD	121.86	4822.9	221.85	120.24	188.81	55.868	48.311
#1	-.00001	-.00006	-.00029	-.00070	-.00200	.06006	-.00159
#2	.00005	.00006	-.00030	-.00037	.00482	.05321	-.00090
#3	.00008	.00000	.00020	.00008	.00273	.01552	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**-.00025**	**.00018**	**-.00380**	**.00040**	**-.00044**	**.00010**
Stddev	.00294	.00006	.00018	.00317	.00041	.00254	.00017
%RSD	28.212	25.419	99.536	83.386	102.08	571.45	163.20
#1	.00785	-.00026	.00003	-.00402	.00087	-.00328	.00015
#2	.00976	-.00018	.00038	-.00053	.00015	.00033	.00024
#3	.01362	-.00031	.00014	-.00686	.00019	.00162	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 13:15:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.265**	**-.04312**	F **4.0012**	**-.00071**	**.00055**	**.00068**	**-.00063**
Stddev	8.126	.03646	.9738	.00099	.00108	.00038	.00005
%RSD	79.163	84.570	24.337	139.30	197.96	55.247	8.3216
#1	18.606	-.00113	3.3673	-.00186	.00024	.00077	-.00059
#2	2.3722	-.06140	3.5140	-.00016	.00174	.00101	-.00069
#3	9.8172	-.06682	5.1225	-.00012	-.00035	.00027	-.00061
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00045**	**-.00158**	**.00023**	**-.00028**	**-.00008**
Stddev	.00005	.00036	.00028	.00008	.00002	.00003
%RSD	324.75	80.485	17.898	35.370	6.5885	43.724
#1	-.00004	-.00018	-.00140	.00018	-.00027	-.00005
#2	.00004	-.00086	-.00190	.00019	-.00027	-.00007
#3	-.00005	-.00031	-.00143	.00033	-.00030	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65370.**	**68739.**
Stddev	247.	1435.
%RSD	.37741	2.0872
#1	65526.	67292.
#2	65498.	70161.
#3	65085.	68764.

Approved: April 05, 2011

Sample Name: PBS X5 Acquired: 4/4/2011 13:18:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00531**	**-.00072**	**.00063**	**.00160**	**.00000**	**.00444**
Stddev	.00019	.01062	.00064	.00058	.00001	.00002	.00636
%RSD	38.859	200.07	89.233	93.174	.73351	1371.6	143.18
#1	-.00039	-.00106	-.00125	.00130	.00160	-.00002	-.00043
#2	-.00037	.01757	-.00001	.00028	.00158	-.00001	.01164
#3	-.00071	-.00058	-.00091	.00030	.00160	.00003	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00019**	**.00019**	**-.00016**	**.01610**	**.04126**	**-.00227**
Stddev	.00003	.00006	.00022	.00024	.00258	.02445	.00034
%RSD	55.711	34.168	117.25	152.15	16.012	59.249	14.842
#1	.00003	-.00021	-.00003	.00007	.01619	.04296	-.00211
#2	.00009	-.00024	.00041	-.00014	.01864	.06482	-.00266
#3	.00005	-.00012	.00019	-.00041	.01349	.01601	-.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00027**	**.00023**	**.00650**	**.00022**	**-.00118**	**.00011**
Stddev	.00238	.00020	.00014	.01164	.00029	.00113	.00079
%RSD	413.83	72.355	61.419	179.17	129.14	95.634	732.12
#1	-.00043	.00048	.00035	-.00198	-.00008	-.00113	-.00077
#2	-.00113	.00008	.00008	.01977	.00027	-.00234	.00076
#3	.00329	.00026	.00025	.00170	.00049	-.00008	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: PBS X5 Acquired: 4/4/2011 13:18:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.890**	**.45309**	F **-24.899**	**.00033**	**-.00018**	**.00397**	**.00055**
Stddev	4.494	.05779	2.262	.00120	.00249	.00031	.00010
%RSD	37.798	12.754	9.0845	367.01	1348.1	7.7595	18.640
#1	6.7090	.49920	-23.588	.00114	-.00286	.00424	.00044
#2	14.734	.38826	-27.511	.00090	.00206	.00403	.00060
#3	14.228	.47180	-23.599	-.00105	.00025	.00364	.00063
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00024**	**-.00169**	**.00021**	**.00124**	**-.00018**
Stddev	.00006	.00021	.00064	.00005	.00003	.00012
%RSD	710.91	91.242	37.970	25.335	2.6089	65.998
#1	.00005	-.00029	-.00096	.00017	.00123	-.00008
#2	-.00005	.00000	-.00191	.00027	.00121	-.00014
#3	.00002	-.00042	-.00218	.00018	.00127	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65632.**	**68543.**
Stddev	26.	945.
%RSD	.03892	1.3793
#1	65610.	69355.
#2	65660.	68769.
#3	65626.	67505.

Approved: April 05, 2011

Sample Name: LCSS X5 Acquired: 4/4/2011 13:22:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19099**	**5.0629**	**.18653**	**.88775**	**.50239**	**.02456**	**5.0286**
Stddev	.00019	.0655	.00234	.00618	.00425	.00011	.0583
%RSD	.09936	1.2939	1.2527	.69648	.84640	.44422	1.1596
#1	.19080	5.0220	.18620	.88706	.49797	.02463	4.9619
#2	.19100	5.0283	.18437	.88194	.50275	.02443	5.0544
#3	.19117	5.1385	.18901	.89425	.50645	.02461	5.0696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02413**	**.10170**	**.25792**	**.24781**	**2.0220**	**25.048**	**.49923**
Stddev	.00023	.00084	.00160	.00093	.0233	.275	.00325
%RSD	.93983	.82643	.62203	.37373	1.1527	1.0959	.65094
#1	.02397	.10153	.25885	.24824	2.0027	24.747	.49579
#2	.02402	.10097	.25607	.24674	2.0153	25.111	.49966
#3	.02439	.10262	.25884	.24844	2.0479	25.286	.50225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0991**	**.25208**	**.52440**	**25.235**	**.25565**	F **-.00524**	**.25250**
Stddev	.0754	.00292	.00306	.238	.00146	.00071	.00108
%RSD	1.4778	1.1574	.58342	.94278	.57275	13.470	.42620
#1	5.0183	.24889	.52348	24.988	.25591	-.00604	.25228
#2	5.1113	.25274	.52191	25.254	.25408	-.00470	.25156
#3	5.1676	.25461	.52782	25.463	.25698	-.00497	.25367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: LCSS X5 Acquired: 4/4/2011 13:22:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.482**	**5.1935**	F **-1.4559**	**.57787**	**.18416**	**2.4838**	**.50724**
Stddev	2.221	.0676	.2089	.00368	.00116	.0161	.00290
%RSD	15.334	1.3018	14.347	.63666	.63037	.64718	.57164
#1	15.611	5.1875	-1.3903	.57744	.18290	2.4818	.50606
#2	11.923	5.1290	-1.2877	.57443	.18518	2.4688	.50511
#3	15.911	5.2639	-1.6897	.58175	.18439	2.5008	.51054
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50104**	**.50368**	**.24791**	**.50571**	**.50071**	**.48546**
Stddev	.00361	.00440	.00084	.00258	.00189	.00350
%RSD	.71977	.87450	.33993	.50948	.37667	.72071
#1	.49729	.49869	.24872	.50568	.50062	.48629
#2	.50136	.50533	.24704	.50315	.49887	.48162
#3	.50448	.50703	.24797	.50830	.50264	.48847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63150.**	**65729.**
Stddev	220.	309.
%RSD	.34800	.47024
#1	62959.	66034.
#2	63390.	65738.
#3	63101.	65416.

Approved: April 05, 2011

Sample Name: L1103074204 Acquired: 4/4/2011 13:25:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50232**	**186.63**	**.91524**	**.25883**	**6.1374**	**.41846**	F **2177.4**
Stddev	.00587	8.21	.01627	.00649	.4238	.00350	95.8
%RSD	1.1694	4.4013	1.7775	2.5066	6.9056	.83724	4.3988
#1	.50652	177.28	.93340	.25136	5.7328	.42132	2077.2
#2	.50484	189.95	.91031	.26208	6.1012	.41951	2187.1
#3	.49561	192.67	.90200	.26305	6.5781	.41455	2268.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23392**	**1.0030**	**2.2658**	**2.3066**	**251.41**	**208.55**	**.75759**
Stddev	.00378	.0184	.0171	.0438	10.82	9.84	.03403
%RSD	1.6140	1.8295	.75660	1.8991	4.3027	4.7191	4.4914
#1	.23806	1.0228	2.2806	2.3540	239.09	197.41	.71946
#2	.23301	.99937	2.2697	2.2980	255.80	212.20	.76845
#3	.23068	.98668	2.2470	2.2677	259.35	216.05	.78485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1698.0**	**6.5459**	**.02737**	**4.2285**	**2.8558**	**10.703**	**.88649**
Stddev	87.4	.2890	.00064	.1286	.0468	.188	.01499
%RSD	5.1487	4.4147	2.3530	3.0413	1.6369	1.7568	1.6905
#1	1611.2	6.2223	.02772	4.0818	2.9071	10.903	.90345
#2	1696.7	6.6373	.02776	4.2820	2.8448	10.676	.88095
#3	1786.0	6.7782	.02663	4.3217	2.8156	10.529	.87506
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00						
Low Limit	-.10000						

Approved: April 05, 2011

Sample Name: L1103074204 Acquired: 4/4/2011 13:25:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.277**	F **3794.0**	F **-8136.7**	**.93100**	**.30417**	**2.8642**	**.01076**
Stddev	5.654	67.9	161.0	.01558	.00491	.0633	.00044
%RSD	32.723	1.7898	1.9790	1.6732	1.6137	2.2114	4.0543
#1	-20.701	3868.2	-8301.3	.94826	.30943	2.9244	.01126
#2	-20.378	3778.8	-8129.3	.92678	.30335	2.8700	.01044
#3	-10.751	3734.9	-7979.5	.91797	.29972	2.7982	.01058
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5962**	**1.9444**	**1.1684**	**1.8282**	**4.3824**	**.18263**
Stddev	.0672	.0852	.0197	.0169	.0751	.00098
%RSD	4.2127	4.3839	1.6836	.92355	1.7125	.53428
#1	1.5192	1.8481	1.1904	1.8407	4.4656	.18276
#2	1.6255	1.9752	1.1625	1.8348	4.3617	.18353
#3	1.6438	2.0101	1.1524	1.8090	4.3198	.18160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**48818.**	**61793.**
Stddev	624.	2378.
%RSD	1.2788	3.8489
#1	48125.	64137.
#2	48994.	61859.
#3	49336.	59382.

Approved: April 05, 2011

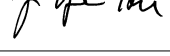
Sample Name: L1103074204SDL Acquired: 4/4/2011 13:29:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09317**	**38.053**	**.17837**	**.05852**	**1.2837**	**.08328**	**792.08**
Stddev	.00089	.312	.00049	.00093	.0072	.00027	13.08
%RSD	.95696	.81954	.27242	1.5924	.56389	.32224	1.6509
#1	.09354	37.734	.17835	.05867	1.2755	.08331	777.04
#2	.09381	38.357	.17790	.05937	1.2860	.08354	798.38
#3	.09215	38.068	.17887	.05753	1.2894	.08300	800.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04707**	**.21932**	**.47452**	**.50268**	**54.986**	**42.086**	**.14389**
Stddev	.00016	.00054	.00165	.00057	.409	.250	.00097
%RSD	.34889	.24823	.34769	.11289	.74350	.59356	.67719
#1	.04712	.21920	.47467	.50237	54.514	41.800	.14313
#2	.04689	.21884	.47610	.50334	55.220	42.265	.14355
#3	.04721	.21991	.47281	.50234	55.225	42.191	.14499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**378.68**	**1.4190**	**.00550**	**.83752**	**.63239**	**2.2328**	**.20449**
Stddev	3.50	.0143	.00035	.00285	.00252	.0055	.00200
%RSD	.92315	1.0065	6.3125	.34044	.39807	.24684	.97717
#1	374.66	1.4025	.00511	.83689	.63248	2.2325	.20444
#2	380.36	1.4280	.00558	.84063	.62982	2.2274	.20252
#3	381.02	1.4264	.00579	.83503	.63485	2.2385	.20651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1103074204SDL Acquired: 4/4/2011 13:29:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.114**	F **817.44**	F **-1562.9**	**.18525**	**.06004**	**.56581**	**.00155**
Stddev	5.714	1.54	2.9	.00113	.00308	.00363	.00023
%RSD	33.387	.18879	.18836	.60836	5.1335	.64162	15.093
#1	12.864	816.05	-1561.0	.18650	.05916	.56878	.00138
#2	14.869	817.17	-1561.4	.18492	.06346	.56177	.00181
#3	23.610	819.10	-1566.3	.18432	.05749	.56689	.00145
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30811**	**.39920**	**.27198**	**.36836**	**.96244**	**.03556**
Stddev	.00180	.00211	.00179	.00220	.00075	.00006
%RSD	.58444	.52947	.65931	.59820	.07808	.18064
#1	.30606	.39680	.27003	.37003	.96238	.03560
#2	.30945	.40000	.27238	.36919	.96172	.03559
#3	.30883	.40080	.27355	.36587	.96322	.03548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58049.**	**64266.**
Stddev	25.	1070.
%RSD	.04269	1.6653
#1	58059.	65481.
#2	58021.	63855.
#3	58067.	63462.

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:33:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01852**	**7.7786**	**.03762**	**.01242**	**.25977**	**.01680**	**176.39**
Stddev	.00050	.0136	.00045	.00057	.00050	.00004	.35
%RSD	2.6884	.17508	1.2013	4.6210	.19195	.23007	.19963
#1	.01802	7.7655	.03713	.01206	.25922	.01677	176.03
#2	.01854	7.7927	.03769	.01309	.25991	.01685	176.73
#3	.01902	7.7777	.03803	.01212	.26019	.01679	176.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.04734**	**.09797**	**.10690**	**11.417**	**8.4269**	**.02658**
Stddev	.00013	.00019	.00098	.00049	.035	.0144	.00015
%RSD	1.2631	.39980	1.0036	.45899	.30350	.17105	.57973
#1	.01018	.04717	.09823	.10675	11.378	8.4209	.02648
#2	.01014	.04731	.09881	.10650	11.429	8.4164	.02651
#3	.01038	.04755	.09689	.10744	11.445	8.4433	.02676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**77.423**	**.29841**	**.00080**	**.16097**	**.13604**	**.46966**	**.04424**
Stddev	.265	.00092	.00006	.00670	.00053	.00280	.00131
%RSD	.34171	.30828	7.6080	4.1640	.39216	.59586	2.9702
#1	77.124	.29741	.00080	.16163	.13542	.47268	.04455
#2	77.628	.29921	.00085	.16732	.13635	.46912	.04280
#3	77.517	.29863	.00073	.15396	.13634	.46716	.04537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:33:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.442**	F **183.74**	F **-305.19**	**.03691**	**.01236**	**.11153**	**-.00044**
Stddev	6.361	1.05	4.03	.00047	.00142	.00205	.00023
%RSD	41.191	.57104	1.3220	1.2771	11.513	1.8392	53.483
#1	9.3790	182.71	-300.66	.03641	.01350	.11292	-.00061
#2	22.063	183.71	-308.38	.03734	.01077	.11249	-.00053
#3	14.883	184.80	-306.54	.03698	.01283	.10917	-.00017
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06245**	**.07917**	**.06278**	**.07470**	**.20726**	**.00648**
Stddev	.00014	.00030	.00138	.00052	.00078	.00008
%RSD	.22122	.37331	2.2045	.69566	.37757	1.2049
#1	.06229	.07943	.06127	.07410	.20645	.00657
#2	.06250	.07922	.06399	.07502	.20733	.00641
#3	.06256	.07885	.06306	.07499	.20801	.00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63431.**	**65967.**
Stddev	155.	289.
%RSD	.24492	.43747
#1	63598.	66250.
#2	63291.	65673.
#3	63403.	65977.

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:36:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**1.4757**	**.00848**	**.00265**	**.05050**	**.00328**	**33.936**
Stddev	.00054	.0113	.00062	.00028	.00048	.00001	.240
%RSD	17.710	.76315	7.2887	10.482	.94308	.26349	.70847
#1	.00278	1.4671	.00887	.00252	.04997	.00329	33.687
#2	.00364	1.4717	.00777	.00247	.05090	.00328	33.954
#3	.00265	1.4885	.00880	.00297	.05064	.00328	34.167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.00960**	**.01937**	**.02107**	**2.2342**	**1.6429**	**.00342**
Stddev	.00003	.00006	.00013	.00064	.0174	.0122	.00074
%RSD	1.5903	.67687	.67387	3.0549	.78054	.74122	21.723
#1	.00204	.00956	.01951	.02033	2.2147	1.6417	.00427
#2	.00209	.00956	.01925	.02138	2.2394	1.6557	.00304
#3	.00211	.00967	.01936	.02150	2.2484	1.6314	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.258**	**.05919**	**.00009**	**.03085**	**.02744**	**.09450**	**.00902**
Stddev	.059	.00021	.00028	.00646	.00011	.00063	.00013
%RSD	.38679	.36214	324.16	20.938	.40776	.66295	1.4481
#1	15.190	.05903	.00032	.03812	.02742	.09510	.00887
#2	15.286	.05943	.00017	.02577	.02735	.09455	.00912
#3	15.298	.05910	-.00023	.02866	.02757	.09385	.00906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:36:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.469**	F **39.393**	F **-54.001**	**.00573**	**.00050**	**.01517**	**-.00104**
Stddev	4.466	.231	3.545	.00081	.00119	.00023	.00021
%RSD	22.936	.58513	6.5640	14.117	237.25	1.5042	20.663
#1	20.763	39.189	-56.147	.00485	.00143	.01537	-.00080
#2	23.146	39.347	-49.910	.00589	.00090	.01522	-.00110
#3	14.500	39.643	-55.946	.00645	-.00084	.01492	-.00121
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01209**	**.01394**	**.01407**	**.01457**	**.04295**	**.00111**
Stddev	.00012	.00070	.00052	.00018	.00037	.00008
%RSD	.95254	5.0541	3.6997	1.2504	.86295	7.3428
#1	.01196	.01387	.01366	.01478	.04275	.00121
#2	.01217	.01327	.01390	.01451	.04272	.00107
#3	.01214	.01468	.01466	.01443	.04337	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65659.**	**66946.**
Stddev	85.	208.
%RSD	.13009	.31003
#1	65756.	67171.
#2	65628.	66904.
#3	65593.	66762.

Approved: April 05, 2011

Sample Name: L1104001101 Acquired: 4/4/2011 13:40:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00689**	**287.57**	**.18600**	**.26777**	**5.0621**	**.02638**	**123.85**
Stddev	.00003	.64	.00028	.00969	.0569	.00010	.25
%RSD	.37849	.22237	.15263	3.6171	1.1247	.38683	.20251
#1	.00691	288.08	.18573	.27544	5.1261	.02630	124.06
#2	.00689	287.77	.18629	.27099	5.0431	.02649	123.90
#3	.00686	286.85	.18597	.25689	5.0171	.02634	123.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02091**	**.41228**	**.38487**	**.58402**	**620.44**	**21.484**	**.17991**
Stddev	.00022	.00138	.00250	.00433	16.97	.046	.00051
%RSD	1.0748	.33587	.65017	.74056	2.7346	.21321	.28222
#1	.02115	.41155	.38205	.58063	634.93	21.535	.17995
#2	.02071	.41140	.38683	.58255	624.61	21.469	.17939
#3	.02086	.41387	.38574	.58889	601.78	21.447	.18040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.678**	**31.535**	**.01730**	**1.6142**	**.45980**	**4.4672**	**1.1537**
Stddev	.083	.209	.00023	.0055	.00159	.0332	.0053
%RSD	.23207	.66219	1.3515	.33869	.34534	.74376	.45489
#1	35.715	31.775	.01716	1.6112	.45947	4.4495	1.1500
#2	35.736	31.426	.01717	1.6109	.45840	4.4466	1.1514
#3	35.583	31.403	.01757	1.6205	.46153	4.5056	1.1597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101 Acquired: 4/4/2011 13:40:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.550**	F **305.41**	F **-11324.**	**.01487**	**.02202**	**1.6176**	**.01792**
Stddev	2.435	.55	30.	.00264	.00191	.0063	.00013
%RSD	16.735	.18077	.26590	17.720	8.6601	.39242	.71179
#1	-11.794	305.16	-11316.	.01303	.02126	1.6248	.01779
#2	-16.410	305.02	-11299.	.01370	.02061	1.6128	.01805
#3	-15.448	306.04	-11357.	.01789	.02419	1.6152	.01791
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76239**	**.12025**	**.02420**	**.65053**	**4.0005**	**.14478**
Stddev	.00133	.00086	.00145	.00183	.0114	.00062
%RSD	.17470	.71183	6.0104	.28128	.28535	.42903
#1	.76386	.12028	.02585	.65127	3.9925	.14467
#2	.76203	.12110	.02311	.65186	3.9954	.14544
#3	.76126	.11939	.02363	.64844	4.0136	.14422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63496.**	**69317.**
Stddev	102.	851.
%RSD	.16004	1.2273
#1	63385.	68423.
#2	63585.	69413.
#3	63519.	70116.

Approved: April 05, 2011

Sample Name: L1104001101PS Acquired: 4/4/2011 13:44:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18466**	**267.83**	**.34558**	**1.0743**	**5.0738**	**.04734**	**118.07**
Stddev	.00072	.58	.00172	.0031	.0317	.00018	.19
%RSD	.39037	.21827	.49736	.28611	.62474	.38772	.16341
#1	.18530	268.21	.34472	1.0710	5.0838	.04724	118.28
#2	.18388	267.16	.34447	1.0747	5.0994	.04723	117.90
#3	.18481	268.12	.34756	1.0771	5.0383	.04755	118.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04153**	**.46266**	**.58631**	**.74540**	**571.53**	**43.609**	**.64092**
Stddev	.00011	.00161	.00377	.00387	1.82	.041	.00101
%RSD	.26838	.34859	.64234	.51922	.31904	.09426	.15781
#1	.04146	.46132	.58237	.74202	570.66	43.655	.64201
#2	.04146	.46223	.58669	.74457	570.30	43.597	.64072
#3	.04166	.46445	.58987	.74962	573.62	43.576	.64002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.110**	**28.721**	**.48420**	**25.631**	**.63874**	**4.0889**	**1.2628**
Stddev	.081	.217	.00150	.066	.00025	.0010	.0029
%RSD	.21740	.75645	.30891	.25582	.03947	.02509	.22595
#1	37.037	28.491	.48582	25.706	.63886	4.0889	1.2632
#2	37.196	28.749	.48390	25.595	.63845	4.0900	1.2598
#3	37.095	28.923	.48288	25.591	.63890	4.0879	1.2654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101PS Acquired: 4/4/2011 13:44:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.691**	F **282.32**	F **-10339.**	**.54592**	**.19255**	**3.7251**	**.01672**
Stddev	2.903	1.12	48.	.00100	.00122	.0036	.00016
%RSD	18.500	.39720	.46821	.18294	.63445	.09539	.97198
#1	-18.980	281.64	-10303.	.54695	.19122	3.7278	.01654
#2	-13.490	281.69	-10320.	.54586	.19280	3.7211	.01679
#3	-14.602	283.61	-10394.	.54495	.19363	3.7265	.01684
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1756**	**.57686**	**.23249**	**1.0506**	**4.0823**	**.13242**
Stddev	.0037	.00090	.00214	.0010	.0069	.00077
%RSD	.31795	.15587	.92144	.09409	.16782	.57947
#1	1.1794	.57778	.23128	1.0512	4.0778	.13175
#2	1.1719	.57683	.23122	1.0494	4.0789	.13226
#3	1.1756	.57598	.23496	1.0511	4.0902	.13326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63726.**	**70393.**
Stddev	137.	331.
%RSD	.21433	.46996
#1	63720.	70214.
#2	63865.	70190.
#3	63592.	70774.

Approved: April 05, 2011

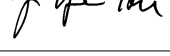
Sample Name: L1104001101SDL Acquired: 4/4/2011 13:47:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**60.086**	**.03956**	**.06241**	**1.0562**	**.00538**	**25.906**
Stddev	.00003	.234	.00063	.00025	.0015	.00002	.052
%RSD	2.0625	.38980	1.5816	.39396	.13961	.39082	.20151
#1	.00135	59.903	.03964	.06260	1.0550	.00536	25.868
#2	.00136	60.350	.03890	.06250	1.0578	.00537	25.965
#3	.00140	60.006	.04014	.06213	1.0558	.00540	25.885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.08907**	**.08060**	**.12618**	**136.75**	**4.6409**	**.03656**
Stddev	.00005	.00054	.00031	.00057	.16	.0318	.00010
%RSD	1.1800	.60066	.38951	.45280	.12032	.68482	.27182
#1	.00460	.08857	.08044	.12574	136.69	4.6687	.03647
#2	.00450	.08963	.08096	.12682	136.94	4.6478	.03654
#3	.00459	.08901	.08040	.12596	136.63	4.6063	.03666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.8424**	**6.7855**	**.00327**	**.32523**	**.09912**	**.99705**	**.26285**
Stddev	.0083	.0089	.00017	.00377	.00071	.00437	.00178
%RSD	.10608	.13075	5.3307	1.1596	.71537	.43853	.67593
#1	7.8461	6.7782	.00345	.32137	.09856	.99585	.26097
#2	7.8481	6.7953	.00326	.32540	.09992	1.0019	.26450
#3	7.8328	6.7828	.00310	.32891	.09889	.99340	.26308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104001101SDL Acquired: 4/4/2011 13:47:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.664**	F **68.549**	F **-2498.2**	**.00181**	**.00267**	**.34614**	**.00294**
Stddev	5.511	.512	18.7	.00099	.00193	.00341	.00008
%RSD	51.675	.74755	.74812	54.813	72.345	.98647	2.8535
#1	7.3066	68.094	-2479.4	.00231	.00480	.34221	.00304
#2	7.6615	69.104	-2516.8	.00246	.00104	.34841	.00288
#3	17.024	68.450	-2498.4	.00067	.00217	.34779	.00291
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15695**	**.02453**	**.00514**	**.13389**	**.86258**	**.02873**
Stddev	.00053	.00048	.00123	.00077	.00077	.00003
%RSD	.33524	1.9594	23.949	.57333	.08915	.09699
#1	.15644	.02411	.00584	.13304	.86173	.02871
#2	.15749	.02442	.00372	.13413	.86323	.02876
#3	.15691	.02505	.00586	.13452	.86279	.02871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66821.**	**68866.**
Stddev	304.	462.
%RSD	.45494	.67117
#1	67167.	69396.
#2	66703.	68661.
#3	66595.	68542.

Approved: April 05, 2011

Sample Name: L1104001101SDL Acquired: 4/4/2011 13:51:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**12.200**	**.00934**	**.01236**	**.21077**	**.00109**	**5.2212**
Stddev	.00014	.139	.00048	.00022	.00135	.00002	.0498
%RSD	43.980	1.1360	5.1436	1.7430	.64170	2.1774	.95461
#1	-.00044	12.116	.00963	.01261	.20931	.00111	5.1967
#2	-.00017	12.124	.00961	.01224	.21102	.00106	5.1883
#3	-.00038	12.360	.00879	.01223	.21198	.00109	5.2786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.01917**	**.01656**	**.02702**	**27.588**	**1.0185**	**.00628**
Stddev	.00004	.00021	.00042	.00037	.144	.0080	.00069
%RSD	4.6090	1.1177	2.5456	1.3735	.52142	.78442	11.003
#1	.00094	.01940	.01702	.02710	27.433	1.0277	.00595
#2	.00090	.01898	.01618	.02734	27.615	1.0138	.00707
#3	.00086	.01913	.01648	.02661	27.717	1.0139	.00582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6090**	**1.3884**	**.00060**	**.06215**	**.02094**	**.21797**	**.05636**
Stddev	.0060	.0020	.00017	.00430	.00024	.00087	.00078
%RSD	.37423	.14226	27.776	6.9171	1.1678	.40064	1.3829
#1	1.6129	1.3875	.00064	.06319	.02118	.21892	.05571
#2	1.6122	1.3869	.00075	.06584	.02069	.21781	.05614
#3	1.6021	1.3906	.00042	.05743	.02095	.21719	.05722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101SDL Acquired: 4/4/2011 13:51:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.7116**	F **15.072**	F **-534.51**	**-.00022**	**.00007**	**.06889**	**.00001**
Stddev	3.2590	.102	3.37	.00138	.00112	.00308	.00030
%RSD	33.558	.67368	.63056	616.18	1588.8	4.4672	4200.3
#1	11.297	15.181	-537.47	-.00001	-.00104	.06718	-.00025
#2	5.9632	14.980	-530.85	-.00170	.00119	.06704	.00034
#3	11.875	15.055	-535.22	.00104	.00006	.07244	-.00007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03199**	**.00400**	**.00205**	**.02740**	**.18462**	**.00536**
Stddev	.00028	.00045	.00075	.00023	.00039	.00008
%RSD	.86837	11.301	36.604	.84322	.21368	1.5026
#1	.03180	.00364	.00136	.02767	.18418	.00546
#2	.03187	.00386	.00194	.02724	.18475	.00531
#3	.03231	.00451	.00285	.02730	.18493	.00533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67023.**	**68435.**
Stddev	83.	299.
%RSD	.12359	.43646
#1	66978.	68344.
#2	67119.	68769.
#3	66972.	68193.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:54:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39186**	**10.265**	**.38691**	**.49638**	**1.0070**	**.04924**	**10.123**
Stddev	.00286	.088	.00085	.00494	.0042	.00033	.075
%RSD	.72872	.85563	.21964	.99545	.42008	.66933	.73689
#1	.39420	10.211	.38751	.50111	1.0057	.04948	10.091
#2	.38868	10.366	.38594	.49125	1.0117	.04886	10.208
#3	.39271	10.217	.38728	.49678	1.0036	.04937	10.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04930**	**.19897**	**.50303**	**.49374**	**4.0545**	**50.682**	**1.0037**
Stddev	.00027	.00065	.00486	.00150	.0265	.182	.0014
%RSD	.54376	.32535	.96620	.30468	.65277	.35981	.14313
#1	.04947	.19930	.50511	.49466	4.0582	50.662	1.0037
#2	.04899	.19823	.49748	.49200	4.0790	50.873	1.0051
#3	.04944	.19940	.50651	.49455	4.0264	50.510	1.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.171**	**.50373**	**1.0006**	**50.921**	**.50164**	**9.7187**	**.50671**
Stddev	.059	.00078	.0018	.268	.00038	.0183	.00127
%RSD	.58206	.15552	.18089	.52660	.07489	.18853	.24966
#1	10.189	.50304	.99903	50.720	.50159	9.7318	.50594
#2	10.219	.50458	1.0026	51.225	.50129	9.6977	.50602
#3	10.105	.50356	1.0002	50.818	.50204	9.7265	.50817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:54:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.150**	**10.123**	F **14.741**	**1.1829**	**.38713**	**4.9190**	**.99730**
Stddev	5.715	.057	3.184	.0005	.00134	.0085	.00167
%RSD	47.039	.56283	21.600	.04060	.34602	.17352	.16768
#1	14.231	10.176	11.340	1.1827	.38590	4.9288	.99622
#2	16.533	10.063	15.231	1.1825	.38694	4.9138	.99645
#3	5.6859	10.131	17.651	1.1834	.38856	4.9143	.99923
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0110**	**1.0008**	**.50261**	**.98249**	**1.0038**	**1.0010**
Stddev	.0051	.0020	.00107	.00617	.0026	.0112
%RSD	.50878	.19736	.21368	.62776	.25867	1.1140
#1	1.0059	1.0003	.50178	.98878	1.0031	1.0097
#2	1.0161	1.0030	.50223	.97645	1.0017	.98841
#3	1.0111	.99912	.50383	.98225	1.0067	1.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63371.**	**66038.**
Stddev	187.	1516.
%RSD	.29562	2.2948
#1	63330.	64718.
#2	63576.	65705.
#3	63208.	67693.

Approved: April 05, 2011

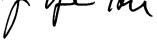
Sample Name: CCB Acquired: 4/4/2011 13:58:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.00379**	**-.00083**	**.00163**	**.00058**	**.00000**	**-.01755**
Stddev	.00021	.01346	.00151	.00050	.00023	.00002	.00233
%RSD	24.099	354.85	182.21	30.705	39.115	736.16	13.291
#1	-.00079	-.01282	-.00132	.00141	.00046	.00002	-.01655
#2	-.00069	.01168	-.00203	.00220	.00043	-.00001	-.01588
#3	-.00108	-.01024	.00087	.00128	.00084	-.00001	-.02021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00001**	**.00019**	**-.00042**	**-.00053**	**.11386**	**-.00110**
Stddev	.00002	.00013	.00049	.00025	.00231	.03192	.00049
%RSD	25.508	1764.5	264.43	58.606	435.43	28.035	44.830
#1	.00007	.00009	.00071	-.00020	-.00108	.14748	-.00109
#2	.00010	-.00014	.00011	-.00069	-.00251	.08397	-.00061
#3	.00012	.00008	-.00026	-.00037	.00200	.11013	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01049**	**.00002**	**.00004**	**-.00187**	**-.00011**	**.00226**	**-.00008**
Stddev	.00301	.00016	.00001	.00286	.00027	.00247	.00063
%RSD	28.732	1033.4	28.942	152.73	257.65	109.34	789.90
#1	-.00731	.00020	.00003	.00075	-.00007	.00000	.00064
#2	-.01331	-.00008	.00005	-.00145	.00015	.00490	-.00033
#3	-.01086	-.00007	.00005	-.00492	-.00040	.00188	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: CCB Acquired: 4/4/2011 13:58:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.706**	**-.02436**	F **2.8658**	**.00065**	**-.00081**	**.00097**	**-.00070**
Stddev	2.849	.01817	2.2587	.00099	.00081	.00096	.00005
%RSD	12.550	74.614	78.816	153.01	99.943	99.899	7.0721
#1	25.775	-.00340	5.1570	.00044	-.00060	.00115	-.00072
#2	22.197	-.03581	2.7994	.00172	-.00012	.00182	-.00074
#3	20.145	-.03385	.64102	-.00023	-.00170	-.00008	-.00065
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00189**	**-.00091**	**.00007**	**-.00030**	**-.00010**
Stddev	.00003	.00093	.00064	.00016	.00003	.00008
%RSD	118.11	49.280	70.600	227.74	9.8071	76.992
#1	-.00003	-.00081	-.00020	.00025	-.00033	-.00009
#2	.00001	-.00239	-.00144	-.00003	-.00027	-.00003
#3	-.00005	-.00246	-.00109	-.00001	-.00029	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65063.**	**65023.**
Stddev	121.	254.
%RSD	.18552	.39068
#1	64992.	64973.
#2	65202.	65299.
#3	64995.	64798.

Approved: April 05, 2011

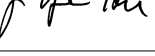
Sample Name: L1104001101PS Acquired: 4/4/2011 14:01:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19591**	**261.93**	**.35034**	**1.0892**	**4.9418**	**.04795**	**115.60**
Stddev	.00084	2.96	.00165	.0080	.0341	.00027	1.04
%RSD	.42907	1.1313	.47178	.73197	.69065	.56199	.89623
#1	.19542	259.41	.34864	1.0814	4.9658	.04784	114.73
#2	.19543	265.20	.35195	1.0889	4.9027	.04775	116.75
#3	.19688	261.19	.35043	1.0973	4.9569	.04826	115.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04197**	**.46573**	**.58885**	**.75748**	**556.27**	**43.532**	**.64493**
Stddev	.00004	.00041	.00271	.00080	5.32	.318	.00345
%RSD	.08414	.08838	.45960	.10606	.95727	.73052	.53529
#1	.04201	.46579	.58902	.75826	550.24	43.231	.64120
#2	.04194	.46610	.58607	.75754	558.24	43.865	.64802
#3	.04197	.46528	.59147	.75666	560.33	43.499	.64556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.730**	**28.583**	**.49680**	**25.990**	**.64427**	**4.0845**	**1.2673**
Stddev	.300	.292	.00049	.246	.00061	.0096	.0024
%RSD	.81715	1.0216	.09920	.94525	.09504	.23524	.18751
#1	36.404	28.379	.49665	25.782	.64454	4.0951	1.2690
#2	36.995	28.917	.49735	26.261	.64357	4.0820	1.2646
#3	36.790	28.452	.49640	25.926	.64470	4.0764	1.2683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104001101PS Acquired: 4/4/2011 14:01:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.449**	F **283.76**	F **-10380.**	**.56309**	**.19745**	**3.7862**	**.01724**
Stddev	2.725	.30	38.	.00144	.00166	.0167	.00027
%RSD	23.798	.10522	.36656	.25651	.84146	.44057	1.5589
#1	-12.800	283.59	-10406.	.56475	.19737	3.7912	.01746
#2	-8.3128	284.11	-10398.	.56241	.19914	3.7999	.01694
#3	-13.234	283.59	-10336.	.56211	.19582	3.7676	.01732
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1689**	**.58319**	**.23983**	**1.0641**	**4.0923**	**.63154**
Stddev	.0093	.00297	.00180	.0056	.0094	.00321
%RSD	.79276	.50979	.75084	.53079	.22958	.50887
#1	1.1615	.58055	.23920	1.0611	4.0831	.62922
#2	1.1793	.58641	.23843	1.0606	4.0919	.63019
#3	1.1659	.58260	.24186	1.0706	4.1019	.63521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63102.**	**69971.**
Stddev	75.	617.
%RSD	.11862	.88129
#1	63140.	70235.
#2	63151.	69266.
#3	63016.	70411.

Approved: April 05, 2011

Sample Name: L1104001105 Acquired: 4/4/2011 14:05:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00742**	**356.44**	**.19630**	**.28577**	**5.6773**	**.02871**	**240.04**
Stddev	.00017	1.09	.00249	.00442	.0622	.00006	.77
%RSD	2.3257	.30531	1.2660	1.5461	1.0958	.22359	.32213
#1	.00757	355.22	.19703	.28625	5.6095	.02878	239.18
#2	.00744	356.79	.19834	.28113	5.6906	.02870	240.25
#3	.00723	357.31	.19353	.28993	5.7317	.02865	240.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01861**	**.46390**	**.44776**	**.65503**	**651.55**	**27.595**	**.23639**
Stddev	.00018	.00112	.00221	.00298	7.53	.081	.00217
%RSD	.94439	.24173	.49268	.45478	1.1561	.29349	.91809
#1	.01851	.46261	.44927	.65187	652.74	27.508	.23394
#2	.01851	.46444	.44878	.65779	643.50	27.610	.23807
#3	.01882	.46465	.44523	.65544	658.43	27.668	.23717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.333**	**29.696**	**.02120**	**2.3037**	**.51365**	**5.0953**	**1.0288**
Stddev	.234	.449	.00020	.0137	.00077	.0125	.0015
%RSD	.55334	1.5108	.93973	.59394	.15008	.24608	.14284
#1	42.094	29.270	.02138	2.3172	.51280	5.0935	1.0271
#2	42.342	29.653	.02123	2.3041	.51383	5.1086	1.0295
#3	42.562	30.164	.02099	2.2898	.51431	5.0837	1.0299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001105 Acquired: 4/4/2011 14:05:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-21.821**	F **449.43**	F **-13482.**	**.01329**	**.02256**	**2.1282**	**.02075**
Stddev	3.799	1.28	61.	.00220	.00412	.0109	.00061
%RSD	17.412	.28512	.44951	16.577	18.262	.51160	2.9634
#1	-26.162	447.98	-13415.	.01260	.02348	2.1241	.02018
#2	-20.200	450.39	-13533.	.01576	.02614	2.1406	.02065
#3	-19.100	449.93	-13499.	.01152	.01806	2.1200	.02140
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2775**	**.18508**	**.02803**	**.75206**	**2.9275**	**.17517**
Stddev	.0013	.00110	.00099	.00120	.0053	.00063
%RSD	.10123	.59618	3.5150	.16013	.18278	.36114
#1	1.2761	.18557	.02696	.75305	2.9217	.17589
#2	1.2786	.18382	.02891	.75241	2.9286	.17495
#3	1.2779	.18586	.02821	.75072	2.9323	.17468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62728.**	**70874.**
Stddev	92.	284.
%RSD	.14698	.40011
#1	62832.	71150.
#2	62655.	70889.
#3	62696.	70583.

Approved: April 05, 2011

Sample Name: L1104001108S Acquired: 4/4/2011 14:09:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18615**	**483.24**	**.41458**	**1.0226**	**6.5411**	**.05739**	**205.26**
Stddev	.00148	4.81	.00224	.0101	.0690	.00025	1.68
%RSD	.79658	.99502	.53957	.98493	1.0553	.43804	.81893
#1	.18448	477.95	.41219	1.0110	6.4614	.05713	203.40
#2	.18729	484.43	.41491	1.0277	6.5812	.05740	205.68
#3	.18670	487.35	.41663	1.0290	6.5808	.05763	206.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04537**	**.45219**	**.79706**	**1.1200**	**791.42**	**60.705**	**.72398**
Stddev	.00024	.00182	.00197	.0068	13.37	.555	.00240
%RSD	.51848	.40246	.24668	.60931	1.6894	.91361	.33158
#1	.04510	.45010	.79604	1.1122	776.26	60.071	.72173
#2	.04553	.45339	.79582	1.1227	801.51	60.942	.72370
#3	.04548	.45309	.79933	1.1250	796.50	61.101	.72651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.187**	**30.987**	**.45861**	**26.074**	**.82947**	**5.6393**	**1.5948**
Stddev	.458	.860	.00180	.195	.00087	.0137	.0010
%RSD	.86136	2.7744	.39191	.74960	.10443	.24306	.05934
#1	52.660	31.103	.46020	25.861	.82847	5.6416	1.5950
#2	53.416	31.783	.45897	26.118	.83004	5.6518	1.5938
#3	53.486	30.075	.45666	26.244	.82990	5.6246	1.5957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001108S Acquired: 4/4/2011 14:09:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.115**	F **445.41**	F **-15393.**	**.49737**	**.17550**	**8.9098**	**.44104**
Stddev	2.186	2.33	146.	.00044	.00165	.0485	.00070
%RSD	12.771	.52290	.95063	.08932	.94066	.54484	.15961
#1	-14.969	442.76	-15224.	.49752	.17375	8.9204	.44037
#2	-19.339	446.33	-15465.	.49687	.17572	8.9521	.44177
#3	-17.039	447.13	-15489.	.49772	.17703	8.8568	.44097
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5492**	**1.0249**	**.22674**	**1.4017**	**4.2313**	**.46627**
Stddev	.0094	.0076	.00256	.0055	.0032	.00154
%RSD	.60442	.74504	1.1275	.39530	.07563	.33073
#1	1.5390	1.0161	.22955	1.3953	4.2278	.46449
#2	1.5513	1.0289	.22613	1.4055	4.2318	.46707
#3	1.5573	1.0298	.22455	1.4042	4.2341	.46724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62346.**	**68913.**
Stddev	168.	247.
%RSD	.26906	.35784
#1	62535.	69027.
#2	62214.	68630.
#3	62288.	69082.

Approved: April 05, 2011

Sample Name: L1104001109SD Acquired: 4/4/2011 14:13:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-06

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18897**	**385.12**	**.39051**	**.92563**	**4.9547**	**.05201**	**166.82**
Stddev	.00077	1.26	.00096	.00770	.0568	.00009	.43
%RSD	.40693	.32760	.24645	.83203	1.1459	.17032	.25709
#1	.18813	385.95	.39035	.92698	4.8928	.05192	166.92
#2	.18913	383.67	.39155	.91735	5.0043	.05200	166.35
#3	.18964	385.75	.38964	.93257	4.9670	.05210	167.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04828**	**.39693**	**.71958**	**.99954**	**725.73**	**51.891**	**.68281**
Stddev	.00018	.00064	.00105	.00391	11.32	.099	.00077
%RSD	.36452	.16068	.14658	.39146	1.5599	.19087	.11335
#1	.04844	.39726	.71972	1.0039	720.59	51.806	.68235
#2	.04809	.39734	.71846	.99826	717.89	51.867	.68371
#3	.04830	.39620	.72056	.99642	738.71	52.000	.68238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.243**	**22.999**	**.47354**	**25.542**	**.73422**	**6.0203**	**1.3735**
Stddev	.211	.260	.00095	.059	.00212	.0220	.0049
%RSD	.43656	1.1285	.20163	.23224	.28810	.36532	.35499
#1	48.024	23.050	.47331	25.513	.73530	6.0447	1.3791
#2	48.259	23.229	.47459	25.502	.73558	6.0146	1.3712
#3	48.444	22.717	.47272	25.610	.73178	6.0018	1.3703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001109SD Acquired: 4/4/2011 14:13:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-06

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.053**	F **448.70**	F **-17508.**	**.51695**	**.17667**	**8.5567**	**.44760**
Stddev	6.465	1.07	35.	.00385	.00115	.0437	.00056
%RSD	53.641	.23784	.19783	.74418	.65253	.51025	.12472
#1	-9.3005	449.90	-17548.	.52090	.17752	8.5973	.44825
#2	-19.439	448.34	-17492.	.51675	.17536	8.5623	.44724
#3	-7.4192	447.86	-17484.	.51321	.17714	8.5105	.44732
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3266**	**.80264**	**.23002**	**1.2990**	**4.2688**	**.44107**
Stddev	.0028	.00229	.00054	.0025	.0084	.00139
%RSD	.21078	.28587	.23365	.19339	.19647	.31418
#1	1.3273	.80227	.22965	1.3017	4.2767	.44145
#2	1.3235	.80056	.22976	1.2968	4.2698	.43953
#3	1.3290	.80510	.23063	1.2986	4.2600	.44222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62410.**	**69161.**
Stddev	262.	245.
%RSD	.41985	.35447
#1	62109.	68905.
#2	62540.	69185.
#3	62582.	69394.

Approved: April 05, 2011

Sample Name: L1103099501 Acquired: 4/4/2011 14:16:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**260.59**	**.63340**	**.37781**	**1.0157**	**.01808**
Stddev	.00043	1.97	.00171	.01046	.0051	.00005
%RSD	13.817	.75574	.27052	2.7679	.49880	.30408
#1	.00259	258.55	.63143	.36833	1.0151	.01801
#2	.00337	262.48	.63430	.37608	1.0210	.01810
#3	.00327	260.73	.63448	.38903	1.0109	.01811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.024**	**.01159**	**.38669**	**.41014**	**.85997**	F **987.76**
Stddev	.408	.00005	.00176	.00311	.00690	14.45
%RSD	.59144	.38954	.45640	.75849	.80267	1.4627
#1	68.647	.01156	.38490	.40674	.85369	972.56
#2	69.458	.01156	.38843	.41083	.86736	989.42
#3	68.968	.01164	.38672	.41284	.85886	1001.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.438**	**.47307**	**106.99**	**8.0262**	**.07162**	**2.9591**
Stddev	.122	.00246	.89	.0324	.00033	.0279
%RSD	.59888	.52060	.82736	.40315	.46583	.94455
#1	20.351	.47031	105.97	7.9946	.07199	2.9711
#2	20.578	.47384	107.45	8.0593	.07133	2.9790
#3	20.385	.47505	107.54	8.0248	.07155	2.9271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011

Sample Name: L1103099501 Acquired: 4/4/2011 14:16:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76192**	**11.159**	**.38236**	F **-8.2263**	F **16895.**	F **-1121e3**
Stddev	.00235	.020	.00179	5.1610	105.	11590.
%RSD	.30823	.17743	.46766	62.737	.62411	1.0341
#1	.75953	11.152	.38033	-13.666	16812.	-1118e3
#2	.76422	11.182	.38369	-7.6133	17014.	-1133e3
#3	.76201	11.144	.38307	-3.3992	16860.	-1111e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00718**	**.01425**	**2.1728**	**.01785**	**.34711**	**.27159**
Stddev	.00214	.00205	.0057	.00013	.00191	.00124
%RSD	29.867	14.362	.26097	.74086	.55138	.45690
#1	.00926	.01215	2.1677	.01770	.34643	.27129
#2	.00729	.01624	2.1789	.01792	.34927	.27295
#3	.00498	.01436	2.1718	.01794	.34563	.27052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01891**	**.40691**	**2.0699**	**.18379**
Stddev	.00181	.00136	.0067	.00122
%RSD	9.5975	.33482	.32191	.66565
#1	.01968	.40572	2.0623	.18243
#2	.01683	.40840	2.0747	.18413
#3	.02020	.40662	2.0727	.18480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: L1103099501 Acquired: 4/4/2011 14:16:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61519.**	**67669.**
Stddev	294.	217.
%RSD	.47859	.32065
#1	61814.	67914.
#2	61225.	67592.
#3	61518.	67501.

Approved: April 05, 2011

Sample Name: L1103099501PS Acquired: 4/4/2011 14:20:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18679**	**240.41**	**.76180**	**1.1714**	**1.3723**	**.03995**
Stddev	.00100	.98	.00033	.0132	.0035	.00014
%RSD	.53753	.40799	.04390	1.1254	.25251	.35422
#1	.18777	241.29	.76218	1.1688	1.3753	.04007
#2	.18577	239.35	.76158	1.1857	1.3729	.03998
#3	.18682	240.58	.76163	1.1597	1.3685	.03980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.012**	**.03315**	**.44588**	**.60396**	**1.0226**	F **910.43**
Stddev	.159	.00020	.00076	.00215	.0014	18.70
%RSD	.23783	.60598	.17109	.35662	.13554	2.0534
#1	67.134	.03321	.44614	.60567	1.0241	901.79
#2	66.831	.03332	.44648	.60468	1.0215	931.88
#3	67.070	.03293	.44503	.60154	1.0220	897.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.157**	**.90086**	**102.27**	**7.4871**	**.52605**	**26.676**
Stddev	.121	.00279	.36	.0353	.00143	.120
%RSD	.28660	.31009	.34714	.47186	.27104	.44874
#1	42.245	.89882	101.99	7.4607	.52746	26.660
#2	42.020	.90404	102.16	7.4733	.52608	26.564
#3	42.207	.89972	102.67	7.5272	.52461	26.802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011

Sample Name: L1103099501PS Acquired: 4/4/2011 14:20:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92008**	**10.256**	**.56726**	F **-2.9907**	F **16076.**	F **-1054e3**
Stddev	.00168	.030	.00318	3.8578	87.	3639.
%RSD	.18226	.29370	.55981	128.99	.54354	.34518
#1	.92181	10.282	.56735	-2.7942	15984.	-1055e3
#2	.91995	10.223	.57039	-6.9431	16157.	-1050e3
#3	.91847	10.264	.56404	.76507	16088.	-1057e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53547**	**.18821**	**4.2490**	**.01645**	**.78288**	**.70544**
Stddev	.00258	.00276	.0079	.00029	.00210	.00276
%RSD	.48149	1.4677	.18550	1.7812	.26824	.39116
#1	.53740	.18505	4.2580	.01653	.78359	.70226
#2	.53254	.18944	4.2455	.01670	.78051	.70695
#3	.53647	.19015	4.2434	.01613	.78452	.70712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.22816**	**.83740**	**2.3417**	**.16773**
Stddev	.00021	.00102	.0038	.00105
%RSD	.09000	.12237	.16206	.62369
#1	.22803	.83782	2.3445	.16835
#2	.22805	.83814	2.3431	.16833
#3	.22839	.83623	2.3374	.16653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: L1103099501PS Acquired: 4/4/2011 14:20:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60913.**	**66574.**
Stddev	151.	287.
%RSD	.24732	.43164
#1	60778.	66442.
#2	60886.	66904.
#3	61076.	66376.

Approved: April 05, 2011

Sample Name: L1103099503 Acquired: 4/4/2011 14:24:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**207.29**	**.23065**	**.28227**	**24.169**	**.01654**
Stddev	.00028	1.20	.00189	.00427	.269	.00006
%RSD	2.4968	.57674	.81757	1.5134	1.1142	.34735
#1	.01148	206.18	.23255	.27782	24.115	.01652
#2	.01105	208.56	.23063	.28263	24.461	.01649
#3	.01096	207.13	.22878	.28634	23.931	.01660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**247.62**	**.02447**	**.26456**	**.45588**	**1.2785**	**583.89**
Stddev	1.49	.00003	.00047	.00103	.0018	8.80
%RSD	.60054	.11275	.17743	.22626	.14159	1.5070
#1	246.04	.02450	.26404	.45691	1.2779	576.41
#2	248.99	.02447	.26495	.45485	1.2805	581.67
#3	247.83	.02445	.26468	.45588	1.2770	593.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.919**	**.39971**	**110.31**	**9.9673**	**.29062**	**148.59**
Stddev	.344	.00140	.50	.0442	.00034	.30
%RSD	.59343	.34944	.45629	.44332	.11533	.20352
#1	57.542	.39832	109.74	9.9174	.29040	148.64
#2	58.216	.40112	110.68	10.002	.29045	148.27
#3	57.999	.39969	110.51	9.9826	.29101	148.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011

Sample Name: L1103099503 Acquired: 4/4/2011 14:24:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77687**	**8.0003**	**.93019**	F **-1.4681**	F **4270.5**	F **-246380.**
Stddev	.00098	.0123	.00099	6.5947	4.6	295.
%RSD	.12562	.15392	.10638	449.21	.10849	.11983
#1	.77706	7.9911	.92908	-2.7973	4270.5	-246350.
#2	.77581	8.0143	.93096	5.6900	4275.1	-246680.
#3	.77774	7.9955	.93054	-7.2969	4265.8	-246090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02882**	**.03414**	**2.9034**	**.01476**	**1.8845**	**.94113**
Stddev	.00285	.00160	.0013	.00017	.0092	.00584
%RSD	9.8738	4.6829	.04519	1.1346	.48664	.62057
#1	.02949	.03356	2.9020	.01457	1.8745	.93470
#2	.02570	.03595	2.9045	.01480	1.8926	.94611
#3	.03128	.03291	2.9039	.01490	1.8865	.94259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.03294**	**.55342**	**2.3402**	**.17815**
Stddev	.00101	.00154	.0034	.00023
%RSD	3.0702	.27909	.14367	.13057
#1	.03362	.55463	2.3373	.17827
#2	.03342	.55168	2.3393	.17788
#3	.03178	.55395	2.3439	.17830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: L1103099503 Acquired: 4/4/2011 14:24:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59472.**	**66865.**
Stddev	135.	109.
%RSD	.22637	.16253
#1	59327.	66749.
#2	59593.	66882.
#3	59496.	66964.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 14:28:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39883**	**10.397**	**.39244**	**.49866**	**1.0131**	**.04988**	**10.283**
Stddev	.00081	.365	.00084	.00077	.0345	.00035	.357
%RSD	.20305	3.5149	.21487	.15465	3.4097	.69797	3.4710
#1	.39894	10.809	.39155	.49777	1.0529	.04953	10.693
#2	.39958	10.270	.39257	.49907	.99581	.04987	10.114
#3	.39797	10.111	.39322	.49914	.99064	.05023	10.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05002**	**.20219**	**.50795**	**.50328**	F **4.8049**	**50.514**	**.99596**
Stddev	.00007	.00050	.00421	.00139	1.1406	.111	.00039
%RSD	.14479	.24519	.82936	.27637	23.739	.21919	.03891
#1	.04994	.20162	.50396	.50173	6.1203	50.520	.99611
#2	.05008	.20251	.50754	.50368	4.2056	50.621	.99552
#3	.05003	.20245	.51235	.50442	4.0889	50.400	.99625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					4.0000		
Range					10.000%		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.497**	**.51694**	**.99510**	**50.692**	**.50464**	**9.8053**	**.51045**
Stddev	.218	.01705	.00186	.187	.00125	.0086	.00218
%RSD	2.0799	3.2991	.18667	.36844	.24687	.08804	.42746
#1	10.745	.53650	.99722	50.728	.50328	9.7956	.50931
#2	10.410	.50914	.99431	50.857	.50492	9.8085	.50908
#3	10.335	.50518	.99376	50.489	.50572	9.8120	.51297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 14:28:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.994**	**10.761**	F **-7.6426**	**1.1927**	**.39238**	**4.9217**	**1.0104**
Stddev	6.328	.007	3.1023	.0023	.00202	.0031	.0013
%RSD	20.417	.06162	40.593	.18975	.51371	.06219	.12448
#1	26.878	10.755	-7.4416	1.1928	.39110	4.9202	1.0089
#2	38.281	10.760	-10.841	1.1949	.39470	4.9252	1.0111
#3	27.824	10.768	-4.6456	1.1904	.39133	4.9196	1.0112
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99532**	**.99606**	**.51179**	**.99436**	**1.0169**	**.99258**
Stddev	.00339	.00237	.00154	.00315	.0025	.00618
%RSD	.34069	.23840	.30166	.31658	.24578	.62244
#1	.99622	.99686	.51002	.99082	1.0140	.98550
#2	.99816	.99793	.51254	.99538	1.0185	.99540
#3	.99157	.99339	.51282	.99686	1.0182	.99684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63612.**	**65014.**
Stddev	299.	129.
%RSD	.47074	.19828
#1	63948.	65061.
#2	63513.	64868.
#3	63374.	65113.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 14:31:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**.01882**	**.00061**	**.00202**	**.00071**	**.00001**	**-.02005**
Stddev	.00039	.00395	.00060	.00027	.00016	.00001	.00332
%RSD	58.777	21.014	97.207	13.323	22.561	116.39	16.583
#1	-.00046	.01728	.00021	.00187	.00053	.00001	-.02162
#2	-.00042	.02331	.00033	.00186	.00080	.00003	-.01623
#3	-.00112	.01587	.00130	.00233	.00081	.00000	-.02229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00001**	**.00017**	**-.00006**	**.00740**	**.19470**	**-.00167**
Stddev	.00006	.00010	.00012	.00011	.00155	.03880	.00141
%RSD	60.009	824.26	67.633	187.70	20.970	19.927	84.027
#1	.00013	-.00002	.00019	-.00014	.00853	.23900	-.00267
#2	.00003	.00009	.00028	-.00011	.00803	.17836	-.00229
#3	.00014	-.00011	.00005	.00007	.00563	.16674	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.00019**	**.00001**	**-.00447**	**.00004**	**.00501**	**-.00076**
Stddev	.00489	.00010	.00014	.00319	.00015	.00140	.00040
%RSD	135.96	52.663	1783.5	71.371	374.86	27.965	52.030
#1	.00442	.00030	.00014	-.00813	.00012	.00383	-.00112
#2	.00801	.00016	-.00014	-.00301	.00013	.00465	-.00084
#3	-.00165	.00011	.00002	-.00227	-.00013	.00656	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 14:31:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **33.017**	**.14650**	F **-7.2052**	**.00063**	**-.00116**	**.00161**	**-.00065**
Stddev	.995	.01604	2.0288	.00129	.00050	.00011	.00022
%RSD	3.0146	10.952	28.157	204.95	42.711	6.5662	34.463
#1	34.017	.15123	-5.6009	.00186	-.00131	.00166	-.00086
#2	32.027	.15965	-9.4857	.00073	-.00157	.00149	-.00067
#3	33.007	.12862	-6.5288	-.00071	-.00061	.00168	-.00041
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00123**	**-.00063**	**.00023**	**-.00024**	**-.00010**
Stddev	.00005	.00057	.00031	.00012	.00003	.00007
%RSD	59.489	46.460	48.289	52.047	10.826	67.107
#1	.00008	-.00079	-.00075	.00037	-.00027	-.00007
#2	.00013	-.00102	-.00029	.00013	-.00024	-.00019
#3	.00003	-.00187	-.00087	.00021	-.00022	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64828.**	**64676.**
Stddev	32.	498.
%RSD	.04876	.77059
#1	64842.	64107.
#2	64850.	64886.
#3	64792.	65034.

Approved: April 05, 2011

Sample Name: L1104001102 Acquired: 4/4/2011 14:35:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00837**	**346.45**	**.21097**	**.28695**	**5.6730**	**.02877**	**198.05**
Stddev	.00027	2.64	.00170	.00713	.1233	.00013	1.21
%RSD	3.2668	.76304	.80752	2.4836	2.1730	.46848	.61231
#1	.00851	343.40	.21262	.28229	5.5898	.02889	196.65
#2	.00855	348.14	.20922	.29516	5.8147	.02878	198.84
#3	.00806	347.80	.21107	.28342	5.6146	.02863	198.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01569**	**.42091**	**.42973**	**.55236**	**691.49**	**26.403**	**.22254**
Stddev	.00020	.00271	.00262	.00655	11.29	.130	.00123
%RSD	1.2796	.64313	.61034	1.1867	1.6329	.49103	.55329
#1	.01551	.42398	.43178	.55978	683.41	26.255	.22188
#2	.01590	.41985	.43064	.54998	704.39	26.455	.22179
#3	.01566	.41889	.42678	.54734	686.66	26.498	.22396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.200**	**32.934**	**.01633**	**1.9576**	**.51148**	**4.8076**	**.82319**
Stddev	.287	.205	.00031	.0033	.00124	.0306	.00224
%RSD	.69647	.62363	1.9104	.17036	.24286	.63539	.27151
#1	40.875	33.011	.01669	1.9586	.51260	4.8388	.82407
#2	41.418	33.091	.01615	1.9539	.51171	4.7778	.82065
#3	41.306	32.702	.01616	1.9603	.51014	4.8062	.82486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001102 Acquired: 4/4/2011 14:35:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.919**	F **354.46**	F **-9937.6**	**.01262**	**.02122**	**2.0811**	**.01779**
Stddev	7.883	2.13	108.1	.00067	.00329	.0079	.00023
%RSD	56.639	.60231	1.0875	5.3100	15.489	.37792	1.2656
#1	-23.020	356.83	-10054.	.01310	.02105	2.0901	.01792
#2	-9.5194	353.87	-9918.3	.01291	.02458	2.0754	.01792
#3	-9.2170	352.68	-9840.4	.01186	.01802	2.0779	.01753
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95457**	**.16284**	**.03180**	**.78600**	**2.3694**	**.16184**
Stddev	.00414	.00061	.00163	.00497	.0023	.00138
%RSD	.43334	.37308	5.1325	.63255	.09734	.85253
#1	.94985	.16221	.03199	.79147	2.3721	.16262
#2	.95630	.16287	.03332	.78476	2.3684	.16265
#3	.95756	.16343	.03008	.78176	2.3678	.16024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62523.**	**69961.**
Stddev	284.	597.
%RSD	.45405	.85403
#1	62216.	70307.
#2	62576.	69272.
#3	62776.	70306.

Approved: April 05, 2011

Sample Name: L1104001103 Acquired: 4/4/2011 14:38:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01615**	**431.50**	**.23944**	**.33534**	**10.359**	**.03094**	**135.79**
Stddev	.00014	3.23	.00165	.00502	.170	.00020	.63
%RSD	.86814	.74956	.68717	1.4981	1.6406	.66189	.46247
#1	.01604	431.24	.23991	.33095	10.165	.03117	135.78
#2	.01631	428.41	.23761	.33427	10.429	.03077	135.17
#3	.01610	434.86	.24080	.34082	10.483	.03087	136.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02114**	**.69395**	**.49109**	**.59373**	**801.92**	**36.011**	**.28130**
Stddev	.00015	.00170	.00538	.00394	10.73	.139	.00174
%RSD	.70083	.24533	1.0964	.66392	1.3376	.38567	.61723
#1	.02106	.69591	.49727	.59777	792.52	36.046	.28317
#2	.02105	.69299	.48857	.59354	799.64	35.859	.28098
#3	.02131	.69294	.48742	.58989	813.60	36.130	.27974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.917**	**69.245**	**.02142**	**2.3178**	**.69175**	**4.8364**	**.87036**
Stddev	.378	.963	.00013	.0106	.00202	.0232	.00219
%RSD	.78882	1.3908	.60328	.45860	.29136	.47909	.25219
#1	47.886	68.445	.02139	2.3098	.69402	4.8631	.87279
#2	47.556	68.975	.02157	2.3138	.69106	4.8217	.86976
#3	48.310	70.314	.02131	2.3299	.69017	4.8243	.86852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001103 Acquired: 4/4/2011 14:38:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.256**	F **402.00**	F **-15942.**	**.01195**	**.03687**	**1.8500**	**.02038**
Stddev	2.633	1.36	46.	.00139	.00244	.0019	.00074
%RSD	16.195	.33928	.28747	11.621	6.6153	.10332	3.6202
#1	-17.021	403.52	-15985.	.01137	.03424	1.8519	.02108
#2	-18.421	401.60	-15946.	.01094	.03729	1.8501	.01961
#3	-13.325	400.88	-15894.	.01353	.03906	1.8481	.02045
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88777**	**.31887**	**.05390**	**.93831**	**2.3241**	**.17814**
Stddev	.00311	.00075	.00236	.00574	.0065	.00164
%RSD	.35069	.23404	4.3816	.61212	.27859	.92095
#1	.88675	.31964	.05237	.94341	2.3315	.17988
#2	.88530	.31814	.05662	.93942	2.3195	.17791
#3	.89127	.31884	.05271	.93209	2.3213	.17663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62785.**	**71171.**
Stddev	276.	997.
%RSD	.43964	1.4013
#1	62466.	71405.
#2	62929.	72031.
#3	62959.	70077.

Approved: April 05, 2011

Sample Name: L1104001104 Acquired: 4/4/2011 14:42:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00901**	**326.67**	**.18998**	**.25964**	**5.6198**	**.02715**	**117.38**
Stddev	.00008	2.19	.00150	.00572	.1775	.00004	.76
%RSD	.84122	.67013	.78976	2.2022	3.1588	.15638	.65151
#1	.00896	324.14	.18983	.25318	5.6144	.02715	116.51
#2	.00896	327.87	.19156	.26405	5.7999	.02710	117.67
#3	.00909	327.99	.18857	.26169	5.4450	.02719	117.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01788**	**.46257**	**.42591**	**.57171**	**624.85**	**25.354**	**.20886**
Stddev	.00012	.00062	.00210	.00175	9.04	.151	.00040
%RSD	.69500	.13464	.49339	.30689	1.4470	.59615	.18952
#1	.01773	.46324	.42789	.57320	614.57	25.188	.20840
#2	.01793	.46246	.42370	.56978	631.57	25.390	.20912
#3	.01796	.46202	.42615	.57215	628.41	25.484	.20904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.624**	**39.851**	**.01621**	**1.9433**	**.55573**	**4.6494**	**.85965**
Stddev	.220	.537	.00024	.0087	.00056	.0203	.00153
%RSD	.56834	1.3478	1.4625	.44558	.10064	.43600	.17756
#1	38.387	39.230	.01605	1.9333	.55626	4.6720	.86129
#2	38.820	40.153	.01648	1.9473	.55578	4.6436	.85939
#3	38.666	40.168	.01610	1.9492	.55515	4.6327	.85827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001104 Acquired: 4/4/2011 14:42:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.440**	F **293.05**	F **-10575.**	**.01497**	**.02501**	**2.2637**	**.01791**
Stddev	1.471	.21	8.	.00380	.00246	.0074	.00028
%RSD	8.9464	.07241	.07401	25.369	9.8204	.32658	1.5830
#1	-17.452	293.27	-10578.	.01662	.02656	2.2653	.01785
#2	-17.116	293.03	-10566.	.01063	.02218	2.2701	.01822
#3	-14.753	292.85	-10581.	.01766	.02629	2.2556	.01766
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75493**	**.18114**	**.03236**	**.72655**	**2.4145**	**.16278**
Stddev	.00292	.00368	.00030	.00221	.0014	.00002
%RSD	.38635	2.0296	.92188	.30430	.05785	.01281
#1	.75167	.18268	.03258	.72908	2.4144	.16280
#2	.75586	.17694	.03202	.72553	2.4160	.16278
#3	.75728	.18378	.03248	.72503	2.4132	.16275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63092.**	**71244.**
Stddev	89.	601.
%RSD	.14106	.84319
#1	63001.	71305.
#2	63096.	70615.
#3	63179.	71811.

Approved: April 05, 2011

Sample Name: L1104001901 Acquired: 4/4/2011 14:46:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01759**	**344.99**	**.21736**	**.27229**	**1.9320**	**.01165**	**26.486**
Stddev	.00056	2.51	.00156	.00483	.0019	.00006	.134
%RSD	3.2025	.72805	.71850	1.7755	.09993	.55008	.50485
#1	.01812	345.85	.21913	.26914	1.9336	.01167	26.549
#2	.01700	346.95	.21615	.27786	1.9324	.01158	26.577
#3	.01766	342.16	.21681	.26987	1.9298	.01171	26.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.15552**	**1.5859**	**.28148**	**739.08**	**7.7553**	**.18057**
Stddev	.00012	.00025	.0094	.00279	6.23	.0393	.00069
%RSD	2.3446	.15999	.59354	.99131	.84285	.50622	.38020
#1	.00493	.15547	1.5862	.27946	734.78	7.7496	.17981
#2	.00512	.15530	1.5764	.28466	746.23	7.7971	.18073
#3	.00514	.15579	1.5952	.28031	736.25	7.7192	.18116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6172**	**15.616**	**.02270**	**.36159**	**.17009**	**5.0150**	**.85822**
Stddev	.0269	.048	.00006	.00697	.00132	.0161	.00047
%RSD	.27928	.30927	.27500	1.9265	.77878	.32102	.05464
#1	9.6313	15.630	.02268	.35754	.17060	5.0245	.85816
#2	9.6341	15.656	.02278	.35760	.16859	4.9964	.85779
#3	9.5862	15.563	.02266	.36964	.17109	5.0241	.85872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001901 Acquired: 4/4/2011 14:46:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.1779**	F **93.732**	F **-3928.8**	**.01757**	**.00997**	**3.0393**	**.02848**
Stddev	2.2383	.221	19.3	.00192	.00320	.0181	.00019
%RSD	24.388	.23550	.49090	10.902	32.146	.59589	.67038
#1	-11.213	93.971	-3937.5	.01977	.00627	3.0601	.02855
#2	-9.5393	93.536	-3906.7	.01622	.01183	3.0307	.02863
#3	-6.7809	93.690	-3942.2	.01674	.01180	3.0271	.02827
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16306**	**1.0100**	**.05240**	**1.6611**	**.87107**	**.42753**
Stddev	.00108	.0013	.00033	.0050	.00126	.00113
%RSD	.66463	.12604	.62965	.30113	.14431	.26462
#1	.16359	1.0104	.05229	1.6559	.86977	.42786
#2	.16378	1.0110	.05214	1.6615	.87116	.42627
#3	.16182	1.0085	.05277	1.6658	.87228	.42847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62721.**	**69675.**
Stddev	26.	584.
%RSD	.04075	.83851
#1	62707.	69236.
#2	62750.	69450.
#3	62704.	70338.

Approved: April 05, 2011

Sample Name: L1104001902 Acquired: 4/4/2011 14:49:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**242.07**	**.12874**	**.14403**	**1.5235**	**.01271**	**31.728**
Stddev	.00045	.70	.00104	.00406	.0054	.00002	.068
%RSD	4.5281	.29087	.81098	2.8164	.35191	.17618	.21549
#1	.01034	242.57	.12775	.13990	1.5296	.01274	31.791
#2	.00947	241.26	.12862	.14419	1.5194	.01271	31.655
#3	.00974	242.37	.12983	.14800	1.5215	.01269	31.736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**.14639**	**1.2400**	**.15794**	**378.54**	**5.4368**	**.13697**
Stddev	.00007	.00019	.0034	.00042	4.89	.0555	.00102
%RSD	1.9554	.13196	.27188	.26628	1.2906	1.0205	.74487
#1	.00342	.14631	1.2363	.15836	373.13	5.4807	.13759
#2	.00355	.14625	1.2408	.15752	379.89	5.3744	.13579
#3	.00346	.14661	1.2429	.15792	382.61	5.4552	.13752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.6748**	**16.247**	**.01112**	**.50898**	**.14695**	**3.8994**	**.32657**
Stddev	.0259	.004	.00028	.00244	.00032	.0111	.00160
%RSD	.29899	.02456	2.5272	.47874	.21527	.28364	.49057
#1	8.6459	16.250	.01141	.50621	.14677	3.9086	.32668
#2	8.6960	16.250	.01085	.51079	.14676	3.8871	.32492
#3	8.6826	16.243	.01109	.50994	.14732	3.9025	.32812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001902 Acquired: 4/4/2011 14:49:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.6255**	F **82.429**	F **-2921.9**	**.00889**	**.00925**	**3.1344**	**.01415**
Stddev	5.8871	.098	8.0	.00305	.00252	.0082	.00032
%RSD	77.203	.11949	.27415	34.278	27.277	.26033	2.2738
#1	-12.322	82.477	-2928.6	.00812	.00725	3.1424	.01389
#2	-1.0210	82.316	-2924.0	.01225	.00841	3.1347	.01405
#3	-9.5337	82.495	-2913.0	.00630	.01208	3.1261	.01451
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12199**	**.62402**	**.02652**	**.86573**	**.70228**	**.18515**
Stddev	.00040	.00258	.00121	.00324	.00090	.00164
%RSD	.32397	.41317	4.5562	.37473	.12884	.88325
#1	.12243	.62621	.02643	.86346	.70227	.18328
#2	.12166	.62118	.02535	.86945	.70138	.18588
#3	.12187	.62466	.02776	.86429	.70319	.18630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65447.**	**71565.**
Stddev	81.	223.
%RSD	.12365	.31093
#1	65354.	71309.
#2	65489.	71710.
#3	65500.	71677.

Approved: April 05, 2011

Sample Name: L1104003401 Acquired: 4/4/2011 14:53:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00493**	**328.98**	**.09111**	**.21761**	**1.0933**	**.00783**	**102.08**
Stddev	.00039	.49	.00127	.00413	.0036	.00003	.11
%RSD	7.8464	.14829	1.3986	1.8972	.33204	.38612	.11190
#1	.00460	329.48	.09050	.21682	1.0972	.00780	102.21
#2	.00484	328.97	.09026	.22207	1.0900	.00786	102.00
#3	.00536	328.50	.09258	.21393	1.0926	.00784	102.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00355**	**.05121**	**.55910**	**.24385**	**564.39**	**12.280**	**.22409**
Stddev	.00005	.00045	.00144	.00438	6.39	.018	.00119
%RSD	1.5224	.87362	.25731	1.7974	1.1321	.14946	.52951
#1	.00361	.05080	.55771	.23991	560.88	12.301	.22448
#2	.00351	.05113	.56058	.24308	571.77	12.269	.22504
#3	.00352	.05168	.55901	.24857	560.54	12.269	.22276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.152**	**2.0375**	**.01763**	**.48058**	**.11038**	**4.2195**	**.30402**
Stddev	.082	.0020	.00017	.00250	.00100	.0116	.00339
%RSD	.20459	.09954	.93631	.52079	.90221	.27585	1.1161
#1	40.147	2.0388	.01763	.48220	.11092	4.2150	.30286
#2	40.072	2.0351	.01779	.48184	.10923	4.2108	.30136
#3	40.236	2.0385	.01746	.47770	.11098	4.2328	.30784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003401 Acquired: 4/4/2011 14:53:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.214**	F **235.19**	F **-8302.1**	**.00463**	**.00594**	**2.7328**	**.01702**
Stddev	4.841	1.50	70.0	.00188	.00111	.0157	.00041
%RSD	43.172	.63696	.84347	40.627	18.646	.57306	2.4155
#1	-15.192	234.36	-8250.7	.00673	.00706	2.7210	.01679
#2	-12.626	234.29	-8273.7	.00308	.00590	2.7270	.01749
#3	-5.8237	236.92	-8381.8	.00410	.00485	2.7506	.01677
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12464**	**.65101**	**.01551**	**.70311**	**.35706**	**.18241**
Stddev	.00011	.00321	.00046	.00177	.00056	.00044
%RSD	.08555	.49264	2.9350	.25126	.15701	.24362
#1	.12454	.65423	.01592	.70332	.35699	.18290
#2	.12475	.64782	.01502	.70124	.35653	.18231
#3	.12463	.65097	.01560	.70475	.35765	.18203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60190.**	**67407.**
Stddev	228.	118.
%RSD	.37834	.17512
#1	60206.	67271.
#2	60410.	67467.
#3	59955.	67483.

Approved: April 05, 2011

Sample Name: L1104003402 Acquired: 4/4/2011 14:56:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**354.44**	**.07322**	**.20773**	**1.6068**	**.01093**	**17.069**
Stddev	.00042	1.45	.00120	.00241	.0037	.00005	.046
%RSD	9.3658	.41042	1.6391	1.1600	.23033	.41836	.26874
#1	.00483	355.27	.07460	.21027	1.6071	.01092	17.081
#2	.00403	355.28	.07271	.20746	1.6103	.01088	17.107
#3	.00466	352.76	.07237	.20547	1.6029	.01097	17.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00332**	**.07012**	**.51538**	**.24306**	**548.80**	**14.406**	**.22388**
Stddev	.00002	.00025	.00228	.00209	6.32	.025	.00034
%RSD	.64968	.35104	.44197	.85819	1.1517	.17324	.15309
#1	.00330	.07036	.51341	.24137	555.05	14.430	.22357
#2	.00334	.06987	.51485	.24242	548.95	14.380	.22425
#3	.00332	.07014	.51788	.24539	542.41	14.407	.22381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.856**	**3.6458**	**.01175**	**.52985**	**.13631**	**5.6944**	**.29877**
Stddev	.040	.0030	.00046	.00831	.00065	.0101	.00173
%RSD	.23603	.08135	3.8954	1.5692	.47839	.17718	.57891
#1	16.839	3.6472	.01224	.53692	.13584	5.7054	.29943
#2	16.901	3.6478	.01133	.53193	.13605	5.6856	.30007
#3	16.827	3.6424	.01168	.52069	.13706	5.6923	.29681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003402 Acquired: 4/4/2011 14:56:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.4159**	F **122.60**	F **-6320.2**	**.00210**	**.00648**	**2.6285**	**.01591**
Stddev	2.3766	.45	42.3	.00210	.00051	.0102	.00011
%RSD	28.239	.36947	.67003	99.810	7.8670	.38848	.68983
#1	-11.160	122.98	-6364.3	.00108	.00626	2.6403	.01602
#2	-7.0137	122.10	-6279.9	.00071	.00706	2.6238	.01589
#3	-7.0741	122.72	-6316.3	.00452	.00611	2.6215	.01581
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08408**	**.75744**	**.01456**	**.67069**	**.44345**	**.14904**
Stddev	.00025	.00169	.00102	.00198	.00083	.00050
%RSD	.29975	.22265	7.0359	.29539	.18644	.33510
#1	.08434	.75736	.01564	.67287	.44438	.14861
#2	.08406	.75917	.01441	.66899	.44318	.14891
#3	.08384	.75580	.01361	.67021	.44279	.14959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61330.**	**67801.**
Stddev	236.	99.
%RSD	.38412	.14542
#1	61067.	67837.
#2	61522.	67690.
#3	61400.	67877.

Approved: April 05, 2011

Sample Name: L1104003403 Acquired: 4/4/2011 15:00:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**353.89**	**.06680**	**.19922**	**1.5504**	**.00997**	**25.378**
Stddev	.00043	1.20	.00047	.00160	.0017	.00008	.070
%RSD	14.444	.33998	.70946	.80448	.10838	.77298	.27464
#1	.00342	352.69	.06734	.19809	1.5523	.00989	25.306
#2	.00255	353.88	.06649	.20105	1.5496	.00999	25.383
#3	.00301	355.10	.06656	.19851	1.5492	.01004	25.445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00369**	**.05577**	**.45066**	**.27924**	**501.12**	**18.951**	**.21643**
Stddev	.00006	.00048	.00382	.00381	2.39	.047	.00179
%RSD	1.5224	.85304	.84872	1.3658	.47607	.24820	.82748
#1	.00367	.05562	.44706	.27641	498.37	18.914	.21850
#2	.00375	.05540	.45025	.27773	502.27	18.934	.21539
#3	.00364	.05631	.45468	.28358	502.71	19.004	.21541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.069**	**3.6419**	**.01316**	**.38394**	**.15280**	**6.9115**	**.29143**
Stddev	.065	.0069	.00018	.00896	.00045	.0087	.00191
%RSD	.36237	.19010	1.3580	2.3330	.29449	.12620	.65701
#1	17.997	3.6341	.01297	.37987	.15259	6.9044	.29135
#2	18.125	3.6443	.01318	.37773	.15249	6.9089	.28955
#3	18.084	3.6472	.01332	.39420	.15332	6.9212	.29338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003403 Acquired: 4/4/2011 15:00:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.6004**	F **194.60**	F **-10139.**	**.00606**	**.00783**	**2.6134**	**.01714**
Stddev	8.4620	1.37	78.	.00047	.00143	.0044	.00050
%RSD	128.20	.70357	.76740	7.7427	18.292	.16921	2.9306
#1	-13.945	193.91	-10089.	.00567	.00655	2.6086	.01710
#2	2.6528	193.72	-10099.	.00658	.00938	2.6173	.01666
#3	-8.5088	196.18	-10229.	.00592	.00756	2.6143	.01766
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11421**	**.50344**	**.01190**	**.62670**	**.49756**	**.14428**
Stddev	.00040	.00008	.00227	.00409	.00113	.00100
%RSD	.35210	.01624	19.056	.65256	.22710	.69344
#1	.11389	.50349	.01421	.62356	.49651	.14317
#2	.11407	.50334	.01182	.62521	.49742	.14455
#3	.11466	.50348	.00967	.63133	.49876	.14512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61275.**	**67211.**
Stddev	284.	283.
%RSD	.46331	.42116
#1	61436.	67207.
#2	61441.	66929.
#3	60947.	67496.

Approved: April 05, 2011

Sample Name: L1104003404 Acquired: 4/4/2011 15:03:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**317.45**	**.04734**	**.15194**	**1.1905**	**.00793**	**15.111**
Stddev	.00047	2.85	.00110	.00208	.0059	.00005	.120
%RSD	23.789	.89634	2.3229	1.3691	.49202	.68762	.79457
#1	.00239	315.58	.04618	.14956	1.1885	.00792	15.031
#2	.00202	316.05	.04836	.15345	1.1859	.00799	15.054
#3	.00146	320.73	.04749	.15280	1.1971	.00788	15.249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.05868**	**.31272**	**.25303**	**390.28**	**15.461**	**.24796**
Stddev	.00005	.00014	.00156	.00025	1.57	.122	.00124
%RSD	2.0872	.24604	.49949	.09685	.40274	.78965	.50163
#1	.00243	.05883	.31449	.25277	388.55	15.370	.24815
#2	.00235	.05854	.31211	.25326	390.65	15.414	.24664
#3	.00245	.05867	.31155	.25306	391.63	15.600	.24910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.961**	**1.3565**	**.01079**	**.44117**	**.09790**	**4.0162**	**.22353**
Stddev	.104	.0060	.00010	.00400	.00045	.0093	.00074
%RSD	.69438	.44185	.89159	.90594	.46279	.23140	.32918
#1	14.844	1.3511	.01075	.43793	.09798	4.0239	.22373
#2	14.996	1.3554	.01072	.44564	.09830	4.0059	.22415
#3	15.043	1.3629	.01090	.43996	.09741	4.0189	.22272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003404 Acquired: 4/4/2011 15:03:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1.2595**	F **122.52**	F **-6445.0**	**.00261**	**.00830**	**2.7461**	**.01388**
Stddev	4.0486	.50	22.2	.00182	.00183	.0126	.00024
%RSD	321.43	.40745	.34468	69.711	21.996	.45876	1.7285
#1	-5.6089	122.80	-6462.0	.00371	.00817	2.7515	.01408
#2	-.56930	122.82	-6453.1	.00361	.01019	2.7550	.01362
#3	2.3996	121.94	-6419.9	.00051	.00654	2.7317	.01395
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05496**	**.46836**	**.00902**	**.50729**	**.36299**	**.11545**
Stddev	.00026	.00258	.00070	.00266	.00131	.00044
%RSD	.47855	.55019	7.7503	.52465	.36143	.37964
#1	.05474	.46539	.00823	.50903	.36366	.11569
#2	.05489	.46961	.00955	.50861	.36383	.11573
#3	.05525	.47007	.00929	.50422	.36148	.11495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61515.**	**66972.**
Stddev	220.	378.
%RSD	.35824	.56449
#1	61317.	67397.
#2	61475.	66671.
#3	61752.	66849.

Approved: April 05, 2011

Sample Name: L1104003405 Acquired: 4/4/2011 15:07:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**380.34**	**.06355**	**.18510**	**1.4922**	**.00948**	**15.030**
Stddev	.00047	.89	.00088	.00397	.0003	.00001	.023
%RSD	13.532	.23467	1.3826	2.1454	.02180	.11545	.15010
#1	.00303	379.34	.06276	.18091	1.4921	.00947	15.037
#2	.00334	380.62	.06341	.18880	1.4926	.00949	15.005
#3	.00395	381.06	.06450	.18560	1.4920	.00947	15.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.07664**	**.44303**	**.31937**	**473.02**	**20.938**	**.24621**
Stddev	.00011	.00024	.00365	.00339	7.18	.013	.00086
%RSD	3.7312	.31168	.82344	1.0617	1.5170	.06241	.35121
#1	.00289	.07675	.44720	.32312	465.22	20.924	.24719
#2	.00308	.07681	.44046	.31850	479.34	20.939	.24554
#3	.00308	.07637	.44142	.31651	474.50	20.950	.24590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.683**	**3.7112**	**.01087**	**.58147**	**.12411**	**4.8942**	**.29109**
Stddev	.070	.0084	.00024	.00125	.00052	.0107	.00374
%RSD	.41957	.22762	2.1753	.21539	.41495	.21869	1.2861
#1	16.616	3.7027	.01114	.58110	.12451	4.9065	.29472
#2	16.677	3.7112	.01069	.58044	.12353	4.8879	.28724
#3	16.755	3.7196	.01079	.58286	.12429	4.8881	.29132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003405 Acquired: 4/4/2011 15:07:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.872**	F **135.23**	F **-7216.4**	**.00014**	**.00709**	**2.4519**	**.01680**
Stddev	4.065	.68	50.7	.00160	.00331	.0039	.00018
%RSD	31.581	.50073	.70248	1125.6	46.686	.16017	1.0634
#1	-11.923	135.95	-7259.2	-.00032	.00619	2.4479	.01663
#2	-17.327	135.12	-7229.5	.00193	.01075	2.4557	.01699
#3	-9.3645	134.61	-7160.4	-.00118	.00432	2.4522	.01679
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11096**	**.58764**	**.01303**	**.62558**	**.49314**	**.15498**
Stddev	.00015	.00095	.00096	.00307	.00069	.00139
%RSD	.13421	.16167	7.3512	.49109	.13965	.89711
#1	.11090	.58659	.01195	.62854	.49389	.15647
#2	.11085	.58789	.01376	.62581	.49253	.15474
#3	.11113	.58844	.01339	.62241	.49302	.15372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61512.**	**67566.**
Stddev	267.	275.
%RSD	.43338	.40707
#1	61207.	67415.
#2	61627.	67883.
#3	61701.	67399.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:10:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41502**	**10.039**	**.40399**	**.50703**	**.98616**	**.05095**	**9.9351**
Stddev	.00112	.041	.00087	.00175	.00048	.00013	.0283
%RSD	.27006	.40369	.21472	.34455	.04818	.25714	.28508
#1	.41603	10.069	.40435	.50900	.98664	.05104	9.9600
#2	.41522	9.9930	.40300	.50641	.98616	.05100	9.9409
#3	.41382	10.056	.40461	.50567	.98569	.05080	9.9043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05123**	**.20717**	**.51201**	**.51497**	**3.9967**	**50.200**	**1.0010**
Stddev	.00017	.00087	.00149	.00166	.0113	.085	.0015
%RSD	.33317	.42003	.29174	.32313	.28256	.16969	.14775
#1	.05121	.20747	.51366	.51506	4.0089	50.296	1.0011
#2	.05140	.20784	.51162	.51659	3.9946	50.173	.99943
#3	.05106	.20618	.51075	.51327	3.9866	50.132	1.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.240**	**.50576**	**1.0051**	**50.587**	**.51361**	**9.9881**	**.51736**
Stddev	.053	.00126	.0014	.080	.00053	.0132	.00065
%RSD	.51795	.24892	.13995	.15789	.10407	.13235	.12555
#1	10.301	.50719	1.0036	50.679	.51401	9.9796	.51666
#2	10.209	.50480	1.0053	50.549	.51382	10.003	.51793
#3	10.209	.50530	1.0064	50.534	.51300	9.9815	.51751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:10:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.614**	**10.591**	F **3.8249**	**1.2222**	**.40787**	**5.0373**	**1.0271**
Stddev	3.860	.092	5.5096	.0066	.00378	.0094	.0021
%RSD	20.735	.87157	144.04	.54059	.92592	.18746	.20015
#1	22.039	10.488	10.066	1.2241	.40933	5.0320	1.0288
#2	14.432	10.666	-.36357	1.2276	.41070	5.0482	1.0276
#3	19.370	10.619	1.7721	1.2148	.40358	5.0316	1.0248
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99588**	**.99766**	**.52453**	**1.0213**	**1.0270**	**1.0024**
Stddev	.00080	.00217	.00118	.0037	.0012	.0055
%RSD	.08077	.21728	.22517	.36412	.11722	.55222
#1	.99580	.99875	.52440	1.0248	1.0273	1.0078
#2	.99673	.99906	.52578	1.0217	1.0281	1.0026
#3	.99513	.99516	.52343	1.0174	1.0257	.99673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63374.**	**67638.**
Stddev	143.	687.
%RSD	.22569	1.0152
#1	63373.	66845.
#2	63231.	68014.
#3	63517.	68054.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:13:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00299**	**-.00042**	**.00142**	**.00035**	**.00002**	**-.01637**
Stddev	.00044	.01214	.00052	.00115	.00010	.00000	.00304
%RSD	83.271	405.70	122.70	80.712	28.212	18.219	18.561
#1	-.00023	-.00295	.00003	.00127	.00044	.00002	-.01417
#2	-.00104	-.00503	-.00031	.00264	.00025	.00002	-.01511
#3	-.00033	.01695	-.00098	.00036	.00034	.00002	-.01984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00002**	**-.00001**	**-.00009**	**.00157**	**.09542**	**-.00189**
Stddev	.00004	.00006	.00025	.00006	.00062	.02725	.00099
%RSD	132.18	293.98	4043.9	71.126	39.171	28.558	52.152
#1	.00007	-.00004	.00028	-.00013	.00098	.07656	-.00301
#2	-.00001	.00005	-.00012	-.00011	.00153	.12666	-.00114
#3	.00003	.00006	-.00018	-.00002	.00221	.08303	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00015**	**.00015**	**.00223**	**.00015**	**.00037**	**-.00014**
Stddev	.01260	.00038	.00009	.00545	.00032	.00112	.00116
%RSD	3169.2	249.68	61.775	244.04	215.23	304.16	801.67
#1	-.01442	.00004	.00019	.00229	.00005	.00038	.00028
#2	.00325	.00057	.00004	.00766	-.00011	-.00076	.00074
#3	.00998	-.00016	.00021	-.00324	.00050	.00148	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:13:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.239**	**.00611**	F **1.4430**	**-.00094**	**-.00080**	**.00004**	**-.00055**
Stddev	3.840	.02655	2.3167	.00090	.00172	.00076	.00005
%RSD	29.007	434.32	160.55	95.118	215.08	1929.2	9.4705
#1	17.295	.02634	.59648	-.00014	.00052	.00090	-.00052
#2	9.6580	-.02395	-.33139	-.00191	-.00274	-.00052	-.00061
#3	12.766	.01594	4.0639	-.00077	-.00017	-.00026	-.00052
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00097**	**-.00085**	**.00029**	**-.00030**	**-.00012**
Stddev	.00007	.00092	.00070	.00021	.00006	.00002
%RSD	94.182	94.715	82.795	72.888	21.079	16.484
#1	-.00008	-.00204	-.00036	.00039	-.00023	-.00010
#2	.00000	-.00041	-.00052	.00043	-.00035	-.00011
#3	-.00013	-.00047	-.00165	.00005	-.00032	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66337.**	**67527.**
Stddev	224.	169.
%RSD	.33840	.25011
#1	66078.	67383.
#2	66470.	67713.
#3	66464.	67484.

Approved: April 05, 2011

Sample Name: L1104003406S Acquired: 4/4/2011 15:17:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-07

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20433**	**467.95**	**.24039**	**.82985**	**2.1303**	**.03281**	**21.991**
Stddev	.00025	2.26	.00029	.00310	.0114	.00016	.080
%RSD	.12085	.48306	.12214	.37348	.53402	.48436	.36264
#1	.20443	469.03	.24047	.83333	2.1421	.03295	22.058
#2	.20451	465.35	.24006	.82884	2.1294	.03285	21.903
#3	.20405	469.46	.24063	.82739	2.1194	.03264	22.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02678**	**.17076**	**.71356**	**.54396**	**452.10**	**50.740**	**.76246**
Stddev	.00007	.00027	.00267	.00041	3.43	.081	.00189
%RSD	.25179	.15564	.37471	.07613	.75926	.15980	.24758
#1	.02671	.17102	.71496	.54442	455.94	50.805	.76451
#2	.02678	.17049	.71524	.54384	449.33	50.649	.76207
#3	.02685	.17077	.71047	.54362	451.03	50.766	.76080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.732**	**3.5244**	**.49329**	**25.195**	**.39418**	**4.5569**	**.50053**
Stddev	.109	.0162	.00052	.113	.00030	.0041	.00057
%RSD	.44146	.45891	.10636	.44951	.07608	.09005	.11447
#1	24.651	3.5152	.49351	25.189	.39437	4.5544	.50092
#2	24.689	3.5150	.49367	25.085	.39433	4.5546	.50080
#3	24.856	3.5431	.49269	25.312	.39383	4.5616	.49987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003406S Acquired: 4/4/2011 15:17:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-07

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.334**	F **167.05**	F **-8675.6**	**.53571**	**.17272**	**8.2494**	**.48918**
Stddev	3.883	.44	36.9	.00286	.00128	.0223	.00048
%RSD	23.774	.26214	.42537	.53371	.74178	.27042	.09858
#1	-20.744	167.50	-8717.9	.53878	.17379	8.2732	.48873
#2	-14.833	167.02	-8650.2	.53313	.17307	8.2289	.48969
#3	-13.425	166.63	-8658.6	.53522	.17130	8.2462	.48912
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62097**	**2.2582**	**.24103**	**1.2455**	**1.0153**	**.35742**
Stddev	.00287	.0030	.00131	.0020	.0006	.00199
%RSD	.46277	.13207	.54520	.15973	.05795	.55608
#1	.62281	2.2600	.24237	1.2477	1.0146	.35929
#2	.61766	2.2547	.24098	1.2446	1.0155	.35764
#3	.62244	2.2598	.23974	1.2441	1.0157	.35534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60404.**	**67958.**
Stddev	190.	331.
%RSD	.31423	.48694
#1	60196.	67984.
#2	60447.	68276.
#3	60569.	67615.

Approved: April 05, 2011

Sample Name: L1104003407SD Acquired: 4/4/2011 15:21:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-08

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20476**	**415.54**	**.23759**	**.81408**	**2.0602**	**.03270**	**23.141**
Stddev	.00068	.65	.00187	.00534	.0027	.00012	.021
%RSD	.33014	.15600	.78701	.65648	.12839	.36680	.09085
#1	.20545	415.77	.23635	.82014	2.0626	.03275	23.157
#2	.20410	414.80	.23974	.81207	2.0574	.03256	23.117
#3	.20474	416.04	.23668	.81003	2.0606	.03279	23.149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02703**	**.17737**	**.66599**	**.51719**	**431.64**	**46.253**	**.74958**
Stddev	.00012	.00055	.00251	.00184	6.07	.036	.00215
%RSD	.43641	.31112	.37652	.35598	1.4062	.07683	.28706
#1	.02717	.17774	.66882	.51670	438.57	46.291	.74814
#2	.02698	.17673	.66405	.51564	427.28	46.221	.74854
#3	.02695	.17763	.66509	.51922	429.07	46.248	.75205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.329**	**4.4606**	**.50019**	**25.295**	**.37915**	**4.6707**	**.52241**
Stddev	.134	.0035	.00029	.037	.00017	.0068	.00056
%RSD	.57272	.07919	.05807	.14743	.04447	.14489	.10785
#1	23.192	4.4583	.50027	25.283	.37934	4.6709	.52295
#2	23.338	4.4588	.49987	25.266	.37907	4.6638	.52183
#3	23.458	4.4646	.50044	25.337	.37903	4.6774	.52246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003407SD Acquired: 4/4/2011 15:21:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-08

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.814**	F **180.57**	F **-9434.3**	**.54668**	**.17257**	**8.5578**	**.49459**
Stddev	2.578	.36	26.3	.00116	.00467	.0066	.00100
%RSD	23.842	.19970	.27856	.21158	2.7072	.07680	.20251
#1	-13.664	180.93	-9459.5	.54583	.17314	8.5654	.49388
#2	-10.136	180.21	-9407.0	.54621	.16764	8.5547	.49416
#3	-8.6429	180.57	-9436.4	.54799	.17693	8.5535	.49573
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62246**	**1.8493**	**.24405**	**1.1914**	**1.0075**	**.33896**
Stddev	.00107	.0023	.00122	.0003	.0013	.00037
%RSD	.17266	.12257	.50103	.02173	.13177	.10871
#1	.62369	1.8519	.24519	1.1911	1.0071	.33934
#2	.62172	1.8480	.24276	1.1913	1.0065	.33895
#3	.62196	1.8480	.24420	1.1917	1.0090	.33860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60794.**	**67590.**
Stddev	101.	316.
%RSD	.16601	.46814
#1	60724.	67433.
#2	60910.	67383.
#3	60750.	67954.

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:24:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	F **860.24**	**-.00587**	**.00402**	**-.00004**	**-.00006**	**-.00140**
Stddev	.00017	13.47	.00143	.00068	.00015	.00000	.00688
%RSD	36.617	1.5661	24.334	16.848	399.48	3.6023	491.30
#1	-.00064	852.71	-.00466	.00453	.00002	-.00006	-.00703
#2	-.00030	852.21	-.00550	.00428	.00007	-.00006	.00627
#3	-.00044	875.79	-.00744	.00325	-.00021	-.00006	-.00344
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		810.00					
Low Limit		-.10000					

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00065**	**-.00017**	**.00008**	**.00716**	**.22058**	**-.00069**
Stddev	.00009	.00020	.00026	.00047	.00464	.02434	.00075
%RSD	1785.8	30.910	153.50	569.73	64.829	11.033	109.09
#1	.00004	.00088	.00010	-.00007	.01100	.24734	-.00031
#2	-.00009	.00055	-.00018	.00061	.00847	.21464	-.00156
#3	.00006	.00051	-.00043	-.00029	.00200	.19977	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00222**	**.00055**	**.01596**	**-.00344**	**.10817**	F **-.00840**
Stddev	.00287	.00027	.00021	.00616	.00015	.00898	.00121
%RSD	1898.7	12.234	38.920	38.586	4.3971	8.3056	14.432
#1	-.00295	.00222	.00031	.01928	-.00336	.09857	-.00750
#2	.00279	.00194	.00072	.00885	-.00335	.10956	-.00791
#3	-.00029	.00248	.00063	.01973	-.00361	.11637	-.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							225.00
Low Limit							-.00500

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:24:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.407**	**.70887**	F **-36.105**	**-.00829**	F **-.01090**	**.00137**	**-.00139**
Stddev	2.428	.07458	3.680	.00175	.00260	.00020	.00027
%RSD	19.572	10.521	10.192	21.138	23.888	14.325	19.474
#1	11.915	.70690	-31.988	-.01019	-.01008	.00117	-.00127
#2	15.043	.63529	-37.253	-.00792	-.00880	.00138	-.00170
#3	10.262	.78442	-39.074	-.00675	-.01381	.00156	-.00119
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000		9.0000		81.000		
Low Limit	-.00400		-.00400		-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00088**	**-.00077**	**.00052**	F **-.01862**	**-.00008**
Stddev	.00003	.00027	.00167	.00002	.00059	.00003
%RSD	58.774	30.669	215.49	3.5018	3.1876	38.811
#1	.00008	-.00074	-.00252	.00053	-.01833	-.00005
#2	.00002	-.00119	-.00061	.00050	-.01823	-.00010
#3	.00007	-.00070	.00081	.00052	-.01930	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					45.000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64388.**	**72953.**
Stddev	279.	239.
%RSD	.43323	.32733
#1	64697.	72733.
#2	64155.	73207.
#3	64313.	72917.

Approved: April 05, 2011

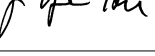
Sample Name: LRC Acquired: 4/4/2011 15:28:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**.00514**	**-.00788**	**.33578**	**.00017**	**-.00016**
Stddev	.00043	.01518	.00033	.00269	.00022	.00000
%RSD	21.135	295.21	4.2099	.80161	133.02	1.3942
#1	-.00166	.00130	-.00773	.33701	.00042	-.00016
#2	-.00200	.02188	-.00765	.33764	.00005	-.00016
#3	-.00252	-.00775	-.00826	.33269	.00003	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02044**	**.00123**	**-.00139**	F **-.03972**	**.16849**	F **961.72**
Stddev	.00487	.00020	.00006	.00013	.00923	3.53
%RSD	23.807	16.536	3.9640	.32582	5.4750	.36714
#1	-.02169	.00109	-.00136	-.03960	.16367	964.06
#2	-.01507	.00147	-.00136	-.03986	.17913	963.45
#3	-.02455	.00114	-.00145	-.03970	.16268	957.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				90.000		900.00
Low Limit				-.00300		-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02212**	**-.00171**	**-.01150**	**.00142**	**-.00453**	**-.00455**
Stddev	.00569	.00023	.01312	.00010	.00010	.00758
%RSD	25.719	13.390	114.10	7.1142	2.2787	166.65
#1	-.02701	-.00150	-.01215	.00133	-.00451	.00293
#2	-.01588	-.00195	.00193	.00141	-.00465	-.01222
#3	-.02348	-.00168	-.02429	.00153	-.00444	-.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011



Sample Name: LRC Acquired: 4/4/2011 15:28:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	kF **-.54935**	**.03667**	F **15.615**	**.36036**	F **-4.4682**
Stddev	.00048	.00542	.00126	1.333	.02100	4.7037
%RSD	33.237	.98732	3.4242	8.5398	5.8265	105.27
#1	-.00104	k -.55545	.03558	14.911	.35463	.20633
#2	-.00196	k -.54752	.03638	14.782	.34283	-4.4103
#3	-.00131	k -.54507	.03804	17.153	.38363	-9.2006
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		900.00		9.0000		9.0000
Low Limit		-.00400		-.00400		-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00379**	**-.00144**	**.00541**	**.00533**	**-.00008**	**.00048**
Stddev	.00026	.00035	.00063	.00037	.00006	.00057
%RSD	6.8498	24.073	11.594	7.0323	78.662	118.60
#1	-.00387	-.00183	.00502	.00561	-.00015	.00064
#2	-.00350	-.00115	.00508	.00547	-.00003	.00095
#3	-.00400	-.00135	.00614	.00491	-.00006	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00414**	**-.00128**	**.00335**	^ *****
Stddev	.00184	.00015	.00004	-----
%RSD	44.447	11.700	1.1878	-----
#1	.00508	-.00126	.00337	^ -----
#2	.00202	-.00115	.00337	^ -----
#3	.00532	-.00144	.00330	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:28:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62928.**	**68651.**
Stddev	23.	152.
%RSD	.03607	.22130
#1	62905.	68559.
#2	62950.	68826.
#3	62929.	68567.

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05248**	**.21804**	**.00606**	**-.01110**	**.00007**	**.00009**	**-.02292**
Stddev	.00032	.01591	.00080	.00077	.00011	.00003	.00661
%RSD	.61775	7.2981	13.163	6.9501	164.60	30.025	28.814
#1	.05254	.21612	.00545	-.01141	-.00006	.00012	-.02276
#2	.05213	.20318	.00696	-.01022	.00010	.00008	-.02961
#3	.05277	.23483	.00576	-.01167	.00016	.00007	-.01640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00082**	F **-.01891**	**.00180**	**.03034**	**.05039**	**-.00174**
Stddev	.00001	.00005	.00050	.00025	.00787	.02374	.00132
%RSD	1.4237	6.0328	2.6681	13.778	25.943	47.123	75.793
#1	.00066	.00087	-.01949	.00162	.03018	.04123	-.00026
#2	.00065	.00077	-.01862	.00170	.03829	.03259	-.00277
#3	.00067	.00081	-.01861	.00208	.02255	.07735	-.00218
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.00300				

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03336**	F **199.28**	F **-.01083**	**-.00704**	**.00113**	F **-.17182**	**.02472**
Stddev	.00177	1.84	.00015	.00649	.00022	.00368	.00076
%RSD	5.2992	.92408	1.4287	92.174	19.626	2.1430	3.0880
#1	.03229	200.75	-.01067	-.00913	.00087	-.16805	.02384
#2	.03239	199.88	-.01098	-.01222	.00128	-.17202	.02519
#3	.03540	197.22	-.01083	.00024	.00124	-.17541	.02513
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		180.00	18.000			900.00	
Low Limit		-.00300	-.01000			-.00400	

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.948**	F **35.299**	F **-154.81**	**-.00208**	**.08666**	**.00036**	**-.00131**
Stddev	3.610	.242	11.19	.00080	.00205	.00042	.00028
%RSD	25.883	.68443	7.2285	38.397	2.3643	116.49	21.575
#1	15.016	35.042	-142.31	-.00123	.08430	-.00009	-.00160
#2	16.903	35.333	-158.19	-.00221	.08801	.00075	-.00104
#3	9.9242	35.522	-163.91	-.00281	.08767	.00042	-.00130
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00554**	**.13645**	F **-.02044**	**.00191**	**-.00025**
Stddev	.00009	.00073	.00148	.00016	.00009	.00005
%RSD	222.85	13.120	1.0856	.76376	4.7176	20.398
#1	.00003	-.00546	.13475	-.02026	.00186	-.00030
#2	-.00004	-.00485	.13714	-.02052	.00201	-.00021
#3	.00014	-.00630	.13747	-.02055	.00186	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64896.**	**68587.**
Stddev	262.	652.
%RSD	.40311	.95100
#1	65196.	67958.
#2	64778.	68542.
#3	64714.	69260.

Approved: April 05, 2011

Sample Name: L1104003408 Acquired: 4/4/2011 15:35:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**281.80**	**.07411**	**.19355**	**1.3606**	**.00894**	**22.315**
Stddev	.00007	.88	.00157	.00220	.0009	.00002	.063
%RSD	2.5163	.31290	2.1226	1.1342	.06343	.21794	.28181
#1	.00261	281.65	.07514	.19502	1.3597	.00894	22.273
#2	.00269	282.74	.07230	.19460	1.3613	.00892	22.387
#3	.00274	281.00	.07488	.19102	1.3608	.00895	22.284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**.08862**	**.39246**	**.32031**	**514.39**	**11.992**	**.18631**
Stddev	.00003	.00019	.00082	.00208	3.81	.031	.00089
%RSD	.91627	.21670	.20936	.64869	.74010	.25906	.47655
#1	.00310	.08869	.39163	.31887	518.56	11.961	.18701
#2	.00311	.08841	.39328	.31936	513.54	12.023	.18662
#3	.00306	.08877	.39249	.32269	511.09	11.992	.18531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.057**	**5.0022**	**.01332**	**.39025**	**.10722**	**4.2997**	**.29663**
Stddev	.024	.0039	.00038	.00589	.00062	.0085	.00200
%RSD	.23551	.07768	2.8299	1.5088	.57523	.19789	.67270
#1	10.034	4.9978	.01364	.39704	.10669	4.3030	.29639
#2	10.054	5.0045	.01342	.38710	.10708	4.2901	.29477
#3	10.082	5.0044	.01291	.38661	.10790	4.3061	.29874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003408 Acquired: 4/4/2011 15:35:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.314**	F **149.21**	F **-7565.6**	**.00346**	**.01043**	**2.7042**	**.01478**
Stddev	1.038	.57	37.2	.00165	.00123	.0073	.00029
%RSD	7.2542	.38018	.49167	47.756	11.793	.26872	1.9624
#1	-13.383	149.19	-7567.8	.00442	.00916	2.6973	.01467
#2	-14.125	148.65	-7527.4	.00155	.01161	2.7118	.01457
#3	-15.434	149.78	-7601.7	.00441	.01053	2.7035	.01511
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13330**	**.48305**	**.01218**	**.57409**	**.39459**	**.15135**
Stddev	.00032	.00042	.00104	.00074	.00002	.00018
%RSD	.24328	.08737	8.5253	.12903	.00617	.12091
#1	.13332	.48302	.01108	.57408	.39457	.15138
#2	.13361	.48264	.01314	.57336	.39461	.15116
#3	.13296	.48348	.01230	.57484	.39457	.15153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60960.**	**69283.**
Stddev	114.	264.
%RSD	.18659	.38054
#1	60829.	68997.
#2	61026.	69335.
#3	61026.	69517.

Approved: April 05, 2011

Sample Name: L1104003409 Acquired: 4/4/2011 15:38:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**301.35**	**.08030**	**.19780**	**1.3499**	**.00853**	**23.860**
Stddev	.00027	1.92	.00189	.00301	.0047	.00005	.148
%RSD	7.3981	.63657	2.3596	1.5230	.34794	.55205	.62088
#1	.00384	299.70	.08215	.19488	1.3471	.00858	23.724
#2	.00332	303.46	.08038	.20090	1.3553	.00851	24.018
#3	.00370	300.89	.07836	.19761	1.3473	.00849	23.838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.11056**	**.39684**	**.33526**	**522.49**	**18.707**	**.20210**
Stddev	.00011	.00046	.00161	.00442	3.60	.085	.00135
%RSD	3.6676	.42000	.40660	1.3192	.68930	.45175	.66989
#1	.00299	.11107	.39864	.33987	520.15	18.642	.20303
#2	.00319	.11044	.39637	.33485	526.64	18.803	.20055
#3	.00320	.11016	.39551	.33106	520.68	18.677	.20272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.997**	**5.2617**	**.01260**	**.46290**	**.13351**	**4.9123**	**.29840**
Stddev	.084	.0209	.00026	.00130	.00035	.0153	.00180
%RSD	.64812	.39656	2.0928	.28065	.26228	.31059	.60183
#1	12.902	5.2404	.01282	.46433	.13374	4.9283	.29860
#2	13.064	5.2821	.01231	.46257	.13368	4.9108	.29651
#3	13.024	5.2627	.01267	.46180	.13311	4.8979	.30008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003409 Acquired: 4/4/2011 15:38:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.861**	F **171.72**	F **-8810.6**	**.00261**	**.00808**	**2.6798**	**.01614**
Stddev	2.414	1.84	108.0	.00181	.00039	.0099	.00018
%RSD	17.415	1.0729	1.2261	69.362	4.7980	.37106	1.1353
#1	-14.527	173.72	-8923.2	.00458	.00763	2.6894	.01635
#2	-11.184	171.36	-8800.8	.00222	.00826	2.6805	.01600
#3	-15.872	170.09	-8707.8	.00102	.00834	2.6696	.01609
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14537**	**.70653**	**.01175**	**.60588**	**.44026**	**.14968**
Stddev	.00052	.00220	.00070	.00248	.00088	.00044
%RSD	.35984	.31166	5.9832	.41000	.19946	.29126
#1	.14498	.70536	.01243	.60872	.44085	.15018
#2	.14596	.70907	.01103	.60479	.44069	.14938
#3	.14516	.70517	.01179	.60412	.43925	.14948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61267.**	**69330.**
Stddev	327.	309.
%RSD	.53341	.44501
#1	60960.	69498.
#2	61230.	68974.
#3	61611.	69517.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:42:28 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41731**	**9.9882**	**.40693**	**.51051**	**.98453**	**.05115**	**9.9030**
Stddev	.00258	.0498	.00115	.00402	.00234	.00033	.0155
%RSD	.61769	.49850	.28293	.78662	.23810	.64032	.15687
#1	.41470	9.9459	.40774	.50786	.98620	.05085	9.8857
#2	.41985	9.9757	.40561	.51513	.98553	.05150	9.9075
#3	.41739	10.043	.40743	.50854	.98185	.05112	9.9157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05170**	**.20877**	**.51454**	**.51829**	**3.9820**	**50.051**	**1.0014**
Stddev	.00005	.00015	.00250	.00033	.0145	.127	.0010
%RSD	.09373	.07241	.48589	.06420	.36508	.25338	.09681
#1	.05166	.20894	.51378	.51838	3.9935	49.911	1.0010
#2	.05168	.20873	.51733	.51857	3.9868	50.085	1.0025
#3	.05175	.20864	.51251	.51792	3.9657	50.158	1.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.209**	**.50557**	**1.0045**	**50.639**	**.51430**	**10.043**	**.51847**
Stddev	.025	.00148	.0008	.293	.00028	.005	.00188
%RSD	.24272	.29357	.07710	.57904	.05362	.04717	.36222
#1	10.182	.50414	1.0048	50.363	.51402	10.038	.51737
#2	10.231	.50546	1.0036	50.606	.51429	10.047	.51741
#3	10.212	.50710	1.0051	50.947	.51457	10.045	.52064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:42:28 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.268**	**10.623**	**9.8685**	**1.2318**	**.41046**	**5.0732**	**1.0302**
Stddev	6.935	.066	2.8660	.0021	.00111	.0060	.0010
%RSD	40.160	.62015	29.042	.17085	.27027	.11924	.09670
#1	16.934	10.547	8.8318	1.2322	.41102	5.0737	1.0308
#2	10.507	10.666	13.109	1.2296	.41119	5.0669	1.0308
#3	24.364	10.657	7.6650	1.2337	.40919	5.0790	1.0290
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000						
Range	10.000%						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99665**	**.99793**	**.52484**	**1.0278**	**1.0262**	**1.0104**
Stddev	.00319	.00115	.00194	.0060	.0014	.0082
%RSD	.31994	.11475	.37034	.58608	.13623	.80712
#1	.99375	.99666	.52430	1.0220	1.0259	1.0056
#2	.99613	.99826	.52322	1.0340	1.0276	1.0198
#3	1.0001	.99888	.52699	1.0275	1.0249	1.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62856.**	**67780.**
Stddev	143.	370.
%RSD	.22720	.54622
#1	62986.	68206.
#2	62703.	67593.
#3	62880.	67540.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:45:47 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00516**	**-.00060**	**.00153**	**.00018**	**-.00001**	**-.01671**
Stddev	.00042	.00310	.00108	.00031	.00004	.00003	.00836
%RSD	95.246	60.158	179.47	20.049	22.437	321.54	50.008
#1	-.00054	.00166	-.00146	.00118	.00014	.00002	-.01014
#2	-.00081	.00758	-.00096	.00169	.00022	-.00001	-.02611
#3	.00002	.00623	.00061	.00174	.00018	-.00003	-.01387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00002**	**-.00015**	**.00000**	**.00178**	**.09552**	**-.00064**
Stddev	.0001	.00001	.00018	.0003	.00208	.04300	.00151
%RSD	6472.3	60.321	118.30	8451.8	116.96	45.018	237.09
#1	.00006	.00001	-.00015	-.00027	.00321	.10006	-.00022
#2	-.00005	.00003	-.00033	.00000	-.00061	.13608	-.00230
#3	-.00002	.00001	.00003	.00027	.00273	.05043	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**-.00022**	**.00012**	**.00019**	**-.00004**	**.00195**	**-.00043**
Stddev	.00192	.00015	.00004	.00617	.00040	.00075	.00100
%RSD	168.79	70.922	35.949	3308.2	1064.3	38.353	231.66
#1	.00316	-.00027	.00017	.00601	.00037	.00151	-.00132
#2	.00092	-.00033	.00012	.00084	-.00006	.00152	.00065
#3	-.00066	-.00004	.00008	-.00629	-.00043	.00281	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:45:47 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.769**	**-.00955**	**.76557**	**.00047**	**-.00182**	**.00139**	**-.00064**
Stddev	4.938	.01163	.40720	.00063	.00049	.00046	.00020
%RSD	31.312	121.80	53.189	133.42	26.742	32.973	31.306
#1	10.099	-.01169	.29595	.00105	-.00174	.00188	-.00086
#2	18.085	.00300	.98022	.00054	-.00138	.00132	-.00046
#3	19.124	-.01996	1.0205	-.00019	-.00234	.00098	-.00061
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000						
Low Limit	-1.0000						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00095**	**-.00164**	**.00024**	**-.00030**	**-.00006**
Stddev	.00008	.00052	.00045	.00031	.00003	.00008
%RSD	369.04	54.852	27.401	131.61	8.8527	125.64
#1	.00007	-.00112	-.00215	-.00006	-.00032	-.00008
#2	-.00007	-.00037	-.00150	.00057	-.00030	-.00013
#3	-.00007	-.00137	-.00128	.00021	-.00027	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64555.**	**67929.**
Stddev	90.	300.
%RSD	.13953	.44169
#1	64659.	68270.
#2	64504.	67706.
#3	64503.	67812.

Approved: April 05, 2011

Sample Name: PBS 13 Acquired: 4/4/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**-.00871**	**-.00211**	**.00103**	**.00040**	**.00003**	**-.00124**
Stddev	.00021	.01787	.00041	.00023	.00024	.00001	.00962
%RSD	49.012	205.13	19.200	21.900	60.475	46.819	776.56
#1	-.00051	.00242	-.00256	.00129	.00016	.00004	.00608
#2	-.00058	-.02933	-.00200	.00095	.00063	.00001	-.01214
#3	-.00019	.00077	-.00177	.00086	.00040	.00004	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00048**	**.00041**	**-.00012**	**.00382**	**.17422**	**-.00079**
Stddev	.00010	.00007	.00012	.00017	.00109	.02235	.00042
%RSD	40.040	13.735	29.600	138.20	28.440	12.827	53.545
#1	.00035	-.00054	.00053	-.00028	.00293	.19895	-.00038
#2	.00020	-.00050	.00040	.00006	.00504	.16822	-.00122
#3	.00017	-.00041	.00029	-.00015	.00350	.15548	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00565**	**.00017**	**.00010**	**.01597**	**.00027**	F **-.00703**	**.00054**
Stddev	.00185	.00006	.00019	.00785	.00031	.00191	.00044
%RSD	32.790	34.125	188.17	49.140	113.02	27.172	81.557
#1	.00619	.00023	.00011	.00768	-.00008	-.00661	.00104
#2	.00358	.00016	.00028	.01694	.00041	-.00912	.00023
#3	.00716	.00012	-.00009	.02328	.00048	-.00537	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: PBS 13 Acquired: 4/4/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.2044**	**2.2281**	F **-128.96**	**.00287**	**.00089**	**.01032**	**-.00049**
Stddev	2.4204	.0463	6.24	.00224	.00138	.00091	.00023
%RSD	33.597	2.0770	4.8366	77.875	155.43	8.8413	47.730
#1	4.4165	2.2599	-134.37	.00377	.00011	.00975	-.00034
#2	8.7694	2.1750	-122.14	.00033	.00248	.01137	-.00076
#3	8.4272	2.2495	-130.38	.00452	.00007	.00983	-.00038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.0000				
Low Limit			-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00010**	**-.00371**	**.00021**	**.00117**	**-.00027**
Stddev	.00002	.00076	.00014	.00012	.00002	.00004
%RSD	115.11	782.40	3.7761	56.496	1.7893	13.444
#1	-.00004	.00020	-.00387	.00034	.00117	-.00031
#2	.00001	-.00071	-.00367	.00019	.00114	-.00028
#3	-.00003	.00080	-.00360	.00011	.00118	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63300.**	**67755.**
Stddev	191.	241.
%RSD	.30223	.35600
#1	63090.	67996.
#2	63464.	67513.
#3	63346.	67756.

Approved: April 05, 2011

Sample Name: LCSS 13 Acquired: 4/4/2011 15:53:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19277**	**4.8494**	**.18931**	**.88999**	**.48219**	**.02465**	**4.7860**
Stddev	.00023	.0127	.00059	.00699	.00093	.00010	.0205
%RSD	.11813	.26091	.31348	.78506	.19337	.40662	.42860
#1	.19260	4.8441	.18896	.88196	.48282	.02453	4.7917
#2	.19303	4.8639	.18898	.89468	.48263	.02469	4.8030
#3	.19268	4.8403	.19000	.89334	.48112	.02472	4.7632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	**.10344**	**.25344**	**.25201**	**1.9271**	**24.284**	**.49056**
Stddev	.00008	.00007	.00179	.00030	.0060	.040	.00160
%RSD	.33230	.06857	.70781	.11962	.31375	.16318	.32685
#1	.02446	.10350	.25140	.25217	1.9248	24.280	.49234
#2	.02458	.10346	.25415	.25219	1.9226	24.326	.49011
#3	.02442	.10336	.25477	.25166	1.9340	24.248	.48923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9431**	**.24740**	**.50768**	**24.598**	**.25560**	F **-.00504**	**.25281**
Stddev	.0339	.00025	.00040	.050	.00017	.00313	.00124
%RSD	.68632	.10031	.07854	.20140	.06561	62.129	.49096
#1	4.9041	.24720	.50808	24.559	.25568	-.00838	.25138
#2	4.9656	.24732	.50728	24.654	.25541	-.00459	.25362
#3	4.9597	.24768	.50769	24.580	.25572	-.00216	.25342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: LCSS 13 Acquired: 4/4/2011 15:53:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.0924**	**5.0929**	**4.8041**	**.57679**	**.18708**	**2.4625**	**.37880**
Stddev	.5680	.0247	2.9004	.00058	.00210	.0047	.00062
%RSD	6.2471	.48515	60.374	.09970	1.1250	.19249	.16303
#1	9.2974	5.0982	4.7382	.57704	.18572	2.4678	.37832
#2	8.4504	5.1145	7.7369	.57719	.18602	2.4608	.37950
#3	9.5295	5.0660	1.9372	.57613	.18950	2.4587	.37858
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48715**	**.49271**	**.24955**	**.51131**	**.49329**	**.00068**
Stddev	.00116	.00063	.00086	.00355	.00094	.00006
%RSD	.23730	.12823	.34629	.69404	.19145	9.1070
#1	.48734	.49218	.24882	.50721	.49244	.00063
#2	.48820	.49255	.25051	.51337	.49430	.00066
#3	.48591	.49341	.24933	.51334	.49312	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62173.**	**67707.**
Stddev	166.	173.
%RSD	.26762	.25612
#1	62037.	67710.
#2	62123.	67880.
#3	62358.	67533.

Approved: April 05, 2011

Sample Name: L1104006301 Acquired: 4/4/2011 15:56:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**126.19**	**.08460**	**.23102**	**12.913**	**.01627**	**824.73**
Stddev	.00035	.49	.00123	.00094	.165	.00011	4.27
%RSD	8.0091	.38654	1.4506	.40859	1.2771	.68701	.51724
#1	.00476	126.61	.08497	.23102	13.076	.01614	823.74
#2	.00412	125.65	.08559	.23008	12.746	.01634	821.05
#3	.00421	126.32	.08323	.23197	12.917	.01633	829.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**.19454**	**.24503**	**.52621**	**566.48**	**53.594**	**.29477**
Stddev	.00008	.00034	.00134	.00238	3.49	.129	.00152
%RSD	1.1699	.17306	.54783	.45288	.61559	.24062	.51495
#1	.00708	.19416	.24350	.52380	567.53	53.554	.29486
#2	.00694	.19464	.24600	.52856	562.59	53.489	.29320
#3	.00694	.19481	.24559	.52626	569.32	53.738	.29623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.55**	**17.035**	**.02403**	**102.92**	**.44520**	**7.4133**	**.26827**
Stddev	.59	.036	.00032	.25	.00293	.0207	.00149
%RSD	.49096	.21010	1.3285	.24111	.65918	.27876	.55640
#1	120.42	17.030	.02368	103.15	.44308	7.3941	.26853
#2	120.03	17.002	.02429	102.65	.44855	7.4352	.26962
#3	121.19	17.073	.02414	102.96	.44398	7.4108	.26666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006301 Acquired: 4/4/2011 15:56:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.0332**	F **1868.9**	F **-60649.**	**.00789**	**.01057**	**11.091**	**.01252**
Stddev	4.5493	7.1	336.	.00115	.00345	.098	.00015
%RSD	64.683	.38155	.55449	14.561	32.665	.88516	1.2004
#1	-8.7115	1860.6	-60266.	.00668	.00660	11.140	.01256
#2	-10.505	1872.7	-60899.	.00804	.01221	11.156	.01236
#3	-1.8832	1873.3	-60781.	.00896	.01290	10.978	.01265
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7851**	**.24553**	**.01592**	**.28220**	**.93533**	**.08964**
Stddev	.0059	.00090	.00166	.00126	.00117	.00052
%RSD	.21155	.36503	10.420	.44687	.12552	.58462
#1	2.7919	.24602	.01448	.28161	.93398	.08904
#2	2.7821	.24450	.01773	.28134	.93599	.09001
#3	2.7812	.24608	.01555	.28364	.93603	.08988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**56646.**	**67434.**
Stddev	104.	337.
%RSD	.18407	.49978
#1	56765.	67460.
#2	56570.	67757.
#3	56602.	67084.

Approved: April 05, 2011

Sample Name: L1104006601 Acquired: 4/4/2011 16:00:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01249**	**334.40**	**.03382**	**.22231**	**.65241**	**.00667**	**1.0251**
Stddev	.00002	.22	.00143	.00060	.00089	.00004	.0066
%RSD	.15309	.06441	4.2257	.27161	.13685	.57908	.63926
#1	.01251	334.16	.03244	.22234	.65331	.00671	1.0175
#2	.01247	334.50	.03529	.22170	.65152	.00663	1.0292
#3	.01250	334.55	.03371	.22290	.65240	.00667	1.0286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00676**	**.06972**	**.43676**	**.30487**	**626.29**	**13.009**	**.08520**
Stddev	.00006	.00028	.00104	.00173	1.33	.043	.00055
%RSD	.91936	.40491	.23780	.56889	.21306	.33257	.64376
#1	.00674	.07003	.43660	.30518	627.65	13.039	.08580
#2	.00671	.06948	.43581	.30300	624.98	12.959	.08505
#3	.00683	.06964	.43787	.30642	626.22	13.028	.08474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.625**	**3.7341**	**.01020**	**4.0241**	**.14236**	**5.3209**	**.31900**
Stddev	.030	.0064	.00004	.0142	.00113	.0096	.00131
%RSD	.24111	.17075	.34441	.35232	.79124	.18011	.41074
#1	12.596	3.7278	.01018	4.0079	.14117	5.3218	.31899
#2	12.623	3.7339	.01024	4.0303	.14251	5.3109	.31770
#3	12.657	3.7406	.01018	4.0341	.14341	5.3300	.32032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006601 Acquired: 4/4/2011 16:00:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.8220**	F **45.135**	F **-2575.2**	**.00246**	**.00201**	**1.6659**	**.02100**
Stddev	2.5772	.430	26.1	.00147	.00459	.0014	.00020
%RSD	67.431	.95361	1.0132	59.482	227.88	.08348	.93702
#1	-6.7871	45.286	-2579.2	.00124	.00724	1.6651	.02123
#2	-2.5586	44.649	-2547.3	.00409	-.00138	1.6675	.02085
#3	-2.1203	45.470	-2599.0	.00206	.00018	1.6652	.02094
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01648**	**1.5852**	**.03462**	**1.2963**	**.42152**	**.14879**
Stddev	.00011	.0023	.00094	.0034	.00080	.00022
%RSD	.63744	.14713	2.7281	.26620	.18949	.15064
#1	.01636	1.5875	.03396	1.3003	.42187	.14897
#2	.01652	1.5829	.03570	1.2950	.42060	.14854
#3	.01655	1.5852	.03419	1.2938	.42208	.14886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61613.**	**69791.**
Stddev	283.	416.
%RSD	.45857	.59643
#1	61344.	69727.
#2	61908.	69410.
#3	61588.	70235.

Approved: April 05, 2011

Sample Name: L1104006602 Acquired: 4/4/2011 16:03:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01231**	**236.12**	**.08056**	**.25729**	**.87373**	**.00661**	**5.8702**
Stddev	.00028	1.31	.00132	.01050	.00632	.00003	.0278
%RSD	2.2543	.55424	1.6427	4.0828	.72356	.47737	.47300
#1	.01215	236.70	.08075	.24519	.87798	.00661	5.8850
#2	.01263	237.04	.08178	.26264	.87673	.00657	5.8874
#3	.01214	234.62	.07915	.26405	.86646	.00663	5.8382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**.13875**	**.60701**	**.29005**	**749.71**	**7.2012**	**.05319**
Stddev	.00020	.00017	.00141	.00288	15.26	.0735	.00039
%RSD	5.7809	.12389	.23289	.99429	2.0351	1.0210	.73577
#1	.00325	.13856	.60701	.28943	732.14	7.2341	.05356
#2	.00346	.13880	.60559	.28752	757.40	7.2526	.05323
#3	.00365	.13889	.60842	.29319	759.60	7.1170	.05278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.9604**	**9.4021**	**.01330**	**.16152**	**.08107**	**4.9422**	**.27701**
Stddev	.0261	.0154	.00025	.00463	.00155	.0158	.00039
%RSD	.37447	.16393	1.9091	2.8671	1.9172	.31982	.14094
#1	6.9424	9.3909	.01332	.15987	.08286	4.9581	.27733
#2	6.9903	9.4196	.01354	.16675	.08021	4.9420	.27657
#3	6.9486	9.3957	.01303	.15794	.08013	4.9265	.27712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006602 Acquired: 4/4/2011 16:03:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45164**	F **172.39**	F **-9838.4**	**.00896**	**.00871**	**1.8200**	**.01995**
Stddev	4.9759	.14	28.8	.00195	.00030	.0018	.00031
%RSD	1101.7	.07984	.29240	21.769	3.4631	.09618	1.5415
#1	.73727	172.48	-9869.3	.01088	.00887	1.8218	.02009
#2	5.2786	172.23	-9812.3	.00904	.00836	1.8183	.02016
#3	-4.6609	172.46	-9833.6	.00698	.00890	1.8199	.01960
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04448**	**.74004**	**.04650**	**1.4118**	**.31656**	**.19335**
Stddev	.00021	.00347	.00031	.0030	.00061	.00046
%RSD	.46865	.46952	.67051	.21467	.19375	.23769
#1	.04461	.74296	.04652	1.4142	.31594	.19327
#2	.04459	.74098	.04619	1.4084	.31657	.19294
#3	.04424	.73620	.04681	1.4129	.31716	.19385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60524.**	**68493.**
Stddev	81.	207.
%RSD	.13406	.30287
#1	60432.	68313.
#2	60587.	68447.
#3	60551.	68720.

Approved: April 05, 2011

Sample Name: L1104006603 Acquired: 4/4/2011 16:07:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01219**	**315.21**	**.04423**	**.26822**	**.58903**	**.00741**	**1.2076**
Stddev	.00037	1.95	.00087	.00268	.00116	.00004	.0090
%RSD	3.0505	.61742	1.9587	1.0008	.19646	.51672	.74509
#1	.01253	312.96	.04400	.26894	.58780	.00738	1.2139
#2	.01223	316.31	.04351	.26525	.59010	.00739	1.1973
#3	.01179	316.35	.04519	.27047	.58918	.00745	1.2116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**.09267**	**.53440**	**.30816**	**763.91**	**6.0789**	**.07400**
Stddev	.00008	.00056	.00296	.00546	4.14	.0372	.00142
%RSD	3.0189	.60728	.55467	1.7715	.54202	.61254	1.9185
#1	.00270	.09209	.53153	.30402	761.77	6.0365	.07236
#2	.00274	.09322	.53422	.31434	761.28	6.0942	.07470
#3	.00286	.09271	.53745	.30611	768.68	6.1061	.07493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3403**	**7.9581**	**.00634**	**.19322**	**.10091**	**5.9530**	**.24170**
Stddev	.0547	.0309	.00025	.00224	.00035	.0151	.00128
%RSD	1.0241	.38866	3.9428	1.1576	.34944	.25293	.52754
#1	5.2796	7.9224	.00609	.19464	.10062	5.9409	.24026
#2	5.3857	7.9774	.00634	.19065	.10081	5.9699	.24268
#3	5.3557	7.9744	.00659	.19438	.10130	5.9482	.24216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006603 Acquired: 4/4/2011 16:07:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.9714**	F **31.973**	F **-1743.1**	**.00397**	**.00661**	**1.6049**	**.02073**
Stddev	1.6373	.197	19.6	.00385	.00051	.0052	.00046
%RSD	41.228	.61524	1.1248	96.898	7.6901	.32607	2.2362
#1	-3.6013	31.749	-1721.8	-.00018	.00671	1.5989	.02114
#2	-5.7621	32.113	-1760.3	.00467	.00606	1.6076	.02081
#3	-2.5508	32.058	-1747.3	.00742	.00706	1.6083	.02023
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01332**	**.82712**	**.04518**	**1.4303**	**.35690**	**.15990**
Stddev	.00003	.00308	.00240	.0094	.00097	.00070
%RSD	.19081	.37239	5.3135	.65896	.27158	.43720
#1	.01330	.82388	.04244	1.4194	.35582	.15926
#2	.01331	.83000	.04692	1.4353	.35717	.15978
#3	.01334	.82749	.04618	1.4361	.35771	.16065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60444.**	**68845.**
Stddev	229.	561.
%RSD	.37967	.81418
#1	60689.	69480.
#2	60235.	68638.
#3	60408.	68418.

Approved: April 05, 2011

Sample Name: L1104006604 Acquired: 4/4/2011 16:10:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02712**	**283.47**	**.02471**	**.20963**	**.73105**	**.00431**	**2.3615**
Stddev	.00037	1.81	.00055	.00320	.00278	.00003	.0099
%RSD	1.3690	.63996	2.2175	1.5274	.37985	.75835	.41828
#1	.02724	284.84	.02460	.20784	.73357	.00428	2.3682
#2	.02742	284.16	.02530	.21333	.73149	.00432	2.3661
#3	.02671	281.42	.02422	.20773	.72807	.00434	2.3501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00429**	**.16331**	**.25785**	**.28847**	**599.60**	**15.768**	**.06655**
Stddev	.00005	.00027	.00236	.00284	3.04	.041	.00097
%RSD	1.2369	.16331	.91688	.98389	.50659	.25872	1.4540
#1	.00435	.16302	.25513	.28568	598.17	15.813	.06723
#2	.00427	.16337	.25941	.29135	603.09	15.757	.06699
#3	.00425	.16354	.25901	.28837	597.54	15.733	.06544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.004**	**9.6420**	**.00318**	**.69657**	**.11332**	**6.5981**	**.21728**
Stddev	.057	.0134	.00018	.00679	.00033	.0060	.00178
%RSD	.33279	.13897	5.5673	.97506	.29360	.09045	.81830
#1	17.001	9.6493	.00301	.69092	.11321	6.6005	.21642
#2	17.062	9.6502	.00336	.69468	.11369	6.5913	.21932
#3	16.949	9.6265	.00317	.70410	.11305	6.6025	.21610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006604 Acquired: 4/4/2011 16:10:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4293**	F **54.298**	F **-2986.0**	**.00115**	**.00608**	**1.7815**	**.01834**
Stddev	4.7920	.144	7.3	.00096	.00573	.0098	.00011
%RSD	139.74	.26553	.24608	83.838	94.307	.54945	.60497
#1	2.9771	54.154	-2979.6	.00177	-.00036	1.7725	.01827
#2	8.4314	54.443	-2994.0	.00004	.00797	1.7920	.01828
#3	-1.1205	54.298	-2984.2	.00164	.01062	1.7801	.01846
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01510**	**3.7859**	**.03819**	**1.1525**	**.49355**	**.10313**
Stddev	.00007	.0089	.00060	.0029	.00061	.00048
%RSD	.49252	.23388	1.5704	.25515	.12449	.46985
#1	.01518	3.7927	.03750	1.1505	.49315	.10275
#2	.01510	3.7891	.03853	1.1558	.49323	.10367
#3	.01503	3.7759	.03855	1.1511	.49425	.10296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61721.**	**68533.**
Stddev	57.	460.
%RSD	.09309	.67090
#1	61787.	68363.
#2	61683.	68182.
#3	61693.	69054.

Approved: April 05, 2011

Sample Name: L1104006605 Acquired: 4/4/2011 16:14:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03598**	**266.10**	**.02470**	**.18645**	**1.1232**	^ *****	**.83234**
Stddev	.00027	.22	.00095	.00382	.0030	-----	.00647
%RSD	.75234	.08093	3.8357	2.0478	.26588	-----	.77738
#1	.03612	265.99	.02520	.18484	1.1266	^ -----	.83091
#2	.03567	265.96	.02528	.19081	1.1216	^ -----	.83940
#3	.03615	266.35	.02360	.18371	1.1213	^ -----	.82670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00629**	**.08935**	**.36987**	**.30987**	**531.48**	**24.192**	**.10719**
Stddev	.00004	.00024	.00035	.00180	8.60	.030	.00006
%RSD	.69865	.26408	.09486	.58117	1.6174	.12579	.05262
#1	.00624	.08945	.36983	.31068	529.56	24.224	.10713
#2	.00632	.08951	.37023	.31113	540.87	24.163	.10721
#3	.00631	.08908	.36954	.30781	524.00	24.190	.10724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.592**	**2.8301**	**.00416**	**1.9834**	**.14985**	**10.128**	**.18496**
Stddev	.015	.0045	.00008	.0113	.00069	.008	.00079
%RSD	.06258	.15763	1.8177	.56962	.46161	.08313	.42599
#1	23.578	2.8276	.00409	1.9838	.15053	10.135	.18587
#2	23.591	2.8275	.00416	1.9719	.14986	10.131	.18457
#3	23.607	2.8353	.00424	1.9945	.14915	10.119	.18444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006605 Acquired: 4/4/2011 16:14:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.4443**	F **30.701**	F **-1744.6**	**-.00331**	**-.00062**	**1.7924**	**.02191**
Stddev	.6277	.143	9.4	.00108	.00419	.0057	.00047
%RSD	18.223	.46536	.53735	32.578	678.00	.32054	2.1501
#1	-3.8426	30.740	-1744.5	-.00455	.00232	1.7989	.02141
#2	-2.7208	30.821	-1754.0	-.00259	-.00541	1.7879	.02234
#3	-3.7696	30.543	-1735.3	-.00279	.00124	1.7905	.02199
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**5.2870**	**.03772**	**1.1648**	**.79957**	**.08948**
Stddev	.00006	.0037	.00150	.0052	.00108	.00031
%RSD	.62246	.06913	3.9662	.44437	.13533	.34170
#1	.01022	5.2912	.03943	1.1677	.79909	.08971
#2	.01010	5.2852	.03667	1.1678	.80081	.08959
#3	.01020	5.2846	.03705	1.1588	.79882	.08913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63333.**	**71184.**
Stddev	212.	19.
%RSD	.33409	.02625
#1	63302.	71164.
#2	63138.	71187.
#3	63558.	71201.

Approved: April 05, 2011

Sample Name: L1104006606 Acquired: 4/4/2011 16:17:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02755**	**275.87**	**.01997**	**.14003**	**1.1497**	**.00517**	**1.4739**
Stddev	.00013	2.06	.00128	.00574	.0057	.00003	.0108
%RSD	.48603	.74495	6.4134	4.0979	.49777	.65224	.73478
#1	.02741	277.89	.02128	.14470	1.1555	.00515	1.4813
#2	.02758	275.94	.01990	.13362	1.1496	.00521	1.4788
#3	.02767	273.78	.01873	.14177	1.1441	.00515	1.4614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.20721**	**.40647**	**.24474**	**402.70**	**16.635**	**.10669**
Stddev	.00007	.00023	.00107	.00136	7.68	.076	.00189
%RSD	.58643	.11245	.26375	.55543	1.9079	.45736	1.7684
#1	.01170	.20698	.40731	.24414	409.56	16.707	.10618
#2	.01169	.20744	.40526	.24630	394.40	16.641	.10510
#3	.01158	.20722	.40684	.24379	404.16	16.556	.10877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.591**	**5.9023**	**.00483**	**4.0111**	**.17285**	**9.7720**	**.24845**
Stddev	.043	.0096	.00034	.0289	.00114	.0157	.00248
%RSD	.24344	.16201	6.9584	.72099	.65949	.16052	.99990
#1	17.563	5.9130	.00445	4.0410	.17168	9.7564	.24563
#2	17.571	5.8996	.00509	4.0092	.17396	9.7878	.25030
#3	17.641	5.8944	.00494	3.9832	.17291	9.7720	.24942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006606 Acquired: 4/4/2011 16:17:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.07811**	F **17.191**	F **-860.00**	**.01696**	**-.00060**	**2.1115**	**.01990**
Stddev	4.5124	.047	4.47	.00159	.00119	.0055	.00011
%RSD	5776.7	.27343	.51956	9.4049	196.98	.26121	.56085
#1	-3.7136	17.142	-857.18	.01670	-.00067	2.1132	.01998
#2	-1.4928	17.194	-865.15	.01551	-.00176	2.1160	.01996
#3	4.9721	17.236	-857.67	.01867	.00062	2.1054	.01977
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01461**	**4.1336**	**.03097**	**1.2311**	**.87816**	**.10268**
Stddev	.00008	.0096	.00206	.0016	.00085	.00028
%RSD	.54266	.23308	6.6479	.13229	.09662	.27020
#1	.01469	4.1446	.03166	1.2294	.87830	.10270
#2	.01463	4.1295	.03260	1.2312	.87725	.10239
#3	.01453	4.1267	.02866	1.2326	.87893	.10294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63744.**	**71883.**
Stddev	169.	528.
%RSD	.26587	.73416
#1	63667.	71966.
#2	63938.	72364.
#3	63627.	71319.

Approved: April 05, 2011

Sample Name: L1104006607 Acquired: 4/4/2011 16:21:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00778**	**197.76**	**.07064**	**.14453**	**.74320**	**.00611**	**1.1970**
Stddev	.00012	.79	.00250	.00488	.00177	.00005	.0049
%RSD	1.5514	.39971	3.5341	3.3765	.23753	.87856	.41153
#1	.00771	197.32	.06785	.14321	.74119	.00614	1.2003
#2	.00791	197.28	.07266	.14993	.74395	.00605	1.1913
#3	.00771	198.67	.07141	.14044	.74447	.00615	1.1993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	**.02817**	**.52930**	**.22271**	**401.73**	**4.9303**	**.05819**
Stddev	.00008	.00026	.00380	.00128	7.77	.0241	.00078
%RSD	3.7075	.91665	.71723	.57519	1.9336	.48796	1.3468
#1	.00217	.02823	.52796	.22345	400.40	4.9453	.05905
#2	.00213	.02789	.52636	.22123	410.08	4.9026	.05800
#3	.00202	.02839	.53358	.22345	394.71	4.9431	.05752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3514**	**.37351**	**.01282**	**3.3634**	**.05730**	**6.1345**	**.20448**
Stddev	.0207	.00060	.00022	.0187	.00035	.0172	.00242
%RSD	.61879	.16122	1.6827	.55662	.60516	.28048	1.1829
#1	3.3364	.37309	.01257	3.3680	.05754	6.1351	.20693
#2	3.3751	.37323	.01293	3.3429	.05690	6.1169	.20209
#3	3.3428	.37420	.01296	3.3795	.05745	6.1513	.20443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006607 Acquired: 4/4/2011 16:21:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3275**	F **30.157**	F **-1709.8**	**.01001**	**.00403**	**2.0428**	**.01358**
Stddev	5.2913	.043	7.3	.00171	.00128	.0063	.00020
%RSD	99.321	.14165	.42481	17.052	31.838	.30881	1.4805
#1	1.3054	30.172	-1704.5	.00903	.00255	2.0371	.01379
#2	11.322	30.108	-1706.7	.00902	.00473	2.0419	.01340
#3	3.3555	30.190	-1718.0	.01198	.00481	2.0496	.01355
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02612**	**.25275**	**.03568**	**1.3226**	**.15866**	**.19321**
Stddev	.00008	.00281	.00027	.0033	.00021	.00107
%RSD	.29104	1.1118	.76255	.24847	.12926	.55534
#1	.02603	.25261	.03598	1.3236	.15844	.19271
#2	.02617	.25002	.03545	1.3189	.15867	.19249
#3	.02615	.25563	.03561	1.3253	.15885	.19445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62321.**	**69009.**
Stddev	85.	653.
%RSD	.13701	.94650
#1	62232.	69731.
#2	62328.	68460.
#3	62403.	68834.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:24:41 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41722**	**9.8104**	**.40335**	**.50444**	**.97271**	**.05084**	**9.7460**
Stddev	.00297	.0378	.00136	.00400	.00239	.00035	.0165
%RSD	.71160	.38546	.33802	.79390	.24614	.69068	.16936
#1	.42018	9.8540	.40209	.50906	.97506	.05123	9.7543
#2	.41723	9.7897	.40317	.50206	.97279	.05055	9.7567
#3	.41424	9.7874	.40479	.50219	.97027	.05073	9.7270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05129**	**.20751**	**.50721**	**.51498**	**3.9413**	**49.502**	**.99228**
Stddev	.00011	.00021	.00401	.00066	.0008	.092	.00184
%RSD	.22287	.10056	.79013	.12859	.01979	.18651	.18503
#1	.05140	.20770	.51175	.51563	3.9414	49.607	.99438
#2	.05118	.20753	.50415	.51430	3.9404	49.437	.99103
#3	.05128	.20729	.50572	.51501	3.9420	49.461	.99141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.140**	**.50216**	**.99296**	**49.957**	**.51016**	**9.9413**	**.51473**
Stddev	.020	.00053	.00090	.054	.00097	.0033	.00157
%RSD	.19589	.10470	.09098	.10854	.19044	.03303	.30499
#1	10.163	.50276	.99250	49.897	.51076	9.9409	.51451
#2	10.125	.50193	.99238	50.003	.50904	9.9383	.51639
#3	10.134	.50178	.99401	49.971	.51068	9.9448	.51328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:24:41 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.466**	**10.480**	F **14.960**	**1.2181**	**.40569**	**5.0168**	**1.0212**
Stddev	1.627	.043	2.388	.0020	.00193	.0057	.0007
%RSD	8.3566	.40784	15.963	.16452	.47660	.11366	.07149
#1	19.899	10.430	16.893	1.2175	.40755	5.0167	1.0206
#2	20.832	10.504	12.290	1.2165	.40369	5.0112	1.0220
#3	17.666	10.505	15.698	1.2203	.40582	5.0226	1.0209
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98164**	**.98784**	**.52299**	**1.0243**	**1.0216**	**.99567**
Stddev	.00165	.00139	.00030	.0060	.0010	.00940
%RSD	.16833	.14098	.05753	.58304	.09798	.94424
#1	.98142	.98929	.52308	1.0311	1.0222	1.0065
#2	.98339	.98652	.52265	1.0216	1.0222	.99038
#3	.98011	.98771	.52323	1.0201	1.0205	.99011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63094.**	**67837.**
Stddev	20.	308.
%RSD	.03181	.45368
#1	63077.	67763.
#2	63089.	68175.
#3	63116.	67573.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 16:28:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.01093**	**.00054**	**.00137**	**.00010**	**.00003**	**-.01014**
Stddev	.00040	.01057	.00135	.00074	.00005	.00001	.00218
%RSD	120.90	96.708	249.99	54.247	47.487	50.392	21.467
#1	-.00030	-.01490	.00098	.00078	.00006	.00004	-.01265
#2	.00005	-.01895	.00162	.00220	.00009	.00002	-.00898
#3	-.00074	.00105	-.00097	.00113	.00015	.00002	-.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00006**	**-.00005**	**.00013**	**-.00150**	**.09345**	**-.00133**
Stddev	.00006	.00014	.00015	.00033	.00095	.02577	.00040
%RSD	86.785	236.53	290.72	254.39	63.034	27.582	30.157
#1	.00013	.00006	.00011	-.00013	-.00260	.08893	-.00130
#2	.00001	-.00003	-.00009	.00001	-.00090	.12118	-.00095
#3	.00007	-.00021	-.00018	.00050	-.00102	.07023	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00211**	**-.00004**	**.00018**	**.00555**	**-.00025**	**.00159**	**-.00071**
Stddev	.00421	.00031	.00005	.00202	.00003	.00078	.00101
%RSD	199.56	705.70	27.346	36.411	11.594	48.931	142.78
#1	-.00526	-.00012	.00012	.00345	-.00028	.00070	-.00167
#2	.00267	-.00031	.00021	.00748	-.00024	.00211	-.00079
#3	-.00374	.00029	.00019	.00574	-.00023	.00197	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 16:28:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.039**	F **-.05485**	F **7.3367**	**.00067**	**.00052**	**.00120**	**-.00065**
Stddev	3.142	.02267	3.8953	.00023	.00147	.00073	.00022
%RSD	14.259	41.325	53.094	34.733	282.76	60.913	33.354
#1	21.786	-.02992	11.145	.00048	-.00117	.00203	-.00078
#2	25.299	-.07422	7.5059	.00093	.00151	.00064	-.00040
#3	19.030	-.06040	3.3596	.00060	.00123	.00093	-.00078
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00034**	**-.00027**	**.00014**	**-.00036**	**-.00015**
Stddev	.00007	.00065	.00043	.00005	.00003	.00009
%RSD	96.663	188.90	160.20	32.729	8.3736	64.993
#1	-.00005	-.00048	-.00053	.00009	-.00032	-.00018
#2	-.00014	-.00091	.00023	.00017	-.00038	-.00004
#3	-.00001	.00036	-.00051	.00017	-.00037	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64777.**	**67977.**
Stddev	90.	118.
%RSD	.13865	.17425
#1	64677.	67841.
#2	64850.	68030.
#3	64804.	68060.

Approved: April 05, 2011

Sample Name: L1104006608 Acquired: 4/4/2011 16:31:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03219**	**320.45**	**.02451**	**.23127**	**.81016**	^ *****	**9.2405**
Stddev	.00026	1.57	.00121	.00723	.00248	-----	.0329
%RSD	.80757	.48872	4.9362	3.1264	.30672	-----	.35586
#1	.03190	320.35	.02353	.22757	.81265	^ -----	9.2554
#2	.03241	322.07	.02586	.23960	.81013	^ -----	9.2633
#3	.03226	318.94	.02413	.22663	.80769	^ -----	9.2028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**.17102**	**.25551**	**.30687**	**653.72**	**16.387**	**.08567**
Stddev	.00008	.00054	.00157	.00367	12.61	.040	.00208
%RSD	1.3911	.31623	.61371	1.1968	1.9286	.24361	2.4255
#1	.00600	.17048	.25551	.30909	646.64	16.355	.08767
#2	.00601	.17102	.25394	.30263	668.27	16.432	.08353
#3	.00586	.17156	.25708	.30888	646.24	16.374	.08580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.211**	**8.9722**	**.00574**	**.71019**	**.15203**	**9.8221**	**.26633**
Stddev	.116	.0404	.00042	.00274	.00127	.0139	.00036
%RSD	.60540	.45029	7.3418	.38630	.83358	.14108	.13518
#1	19.093	8.9288	.00622	.70717	.15165	9.8226	.26620
#2	19.326	9.0087	.00542	.71253	.15100	9.8080	.26674
#3	19.214	8.9793	.00559	.71086	.15344	9.8357	.26606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006608 Acquired: 4/4/2011 16:31:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1.5366**	F **49.876**	F **-2329.0**	**.01327**	**.00074**	**2.1615**	**.02323**
Stddev	6.2882	.265	10.0	.00232	.00445	.0128	.00055
%RSD	409.23	.53139	.42931	17.481	600.27	.59010	2.3557
#1	-1.4233	49.655	-2319.8	.01175	.00295	2.1751	.02270
#2	4.6942	49.802	-2327.6	.01212	.00366	2.1598	.02320
#3	-7.8807	50.170	-2339.7	.01594	-.00438	2.1497	.02379
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04333**	**4.6797**	**.03904**	**1.4104**	**.61112**	**.11341**
Stddev	.00014	.0051	.00157	.0026	.00102	.00055
%RSD	.31210	.10960	4.0197	.18474	.16647	.48659
#1	.04327	4.6764	.04072	1.4079	.61116	.11318
#2	.04348	4.6856	.03880	1.4102	.61008	.11404
#3	.04322	4.6771	.03761	1.4131	.61212	.11301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61575.**	**68521.**
Stddev	107.	559.
%RSD	.17337	.81643
#1	61499.	68998.
#2	61697.	67905.
#3	61528.	68659.

Approved: April 05, 2011

Sample Name: L1104006701 Acquired: 4/4/2011 16:35:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01381**	**350.74**	**.05221**	**.27517**	**.61621**	**.00757**	**1.1525**
Stddev	.00029	1.22	.00089	.00549	.00136	.00002	.0051
%RSD	2.1183	.34873	1.7127	1.9939	.22032	.32242	.44284
#1	.01398	351.69	.05126	.27784	.61686	.00760	1.1583
#2	.01398	351.15	.05234	.27882	.61712	.00755	1.1507
#3	.01347	349.36	.05304	.26886	.61465	.00757	1.1486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.08931**	**.52743**	**.32580**	**794.87**	**6.9128**	**.07431**
Stddev	.00011	.00002	.00340	.00254	10.96	.0284	.00019
%RSD	3.5664	.02261	.64434	.77874	1.3788	.41005	.25065
#1	.00310	.08931	.52973	.32778	798.76	6.9455	.07453
#2	.00316	.08929	.52353	.32294	803.36	6.8972	.07423
#3	.00295	.08933	.52904	.32669	782.50	6.8956	.07418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0391**	**7.8847**	**.01111**	**.21002**	**.11613**	**6.2906**	**.23732**
Stddev	.0307	.0198	.00028	.00803	.00029	.0154	.00184
%RSD	.50900	.25121	2.4963	3.8257	.25305	.24463	.77486
#1	6.0163	7.8669	.01102	.21834	.11590	6.2852	.23868
#2	6.0269	7.8813	.01142	.20943	.11604	6.2786	.23806
#3	6.0741	7.9060	.01088	.20230	.11646	6.3080	.23523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701 Acquired: 4/4/2011 16:35:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1788**	F **35.086**	F **-1932.0**	**.00569**	**.00622**	**2.1039**	**.02421**
Stddev	3.6918	.075	1.1	.00187	.00196	.0008	.00015
%RSD	313.17	.21510	.05937	32.848	31.444	.03573	.63074
#1	-1.5275	35.171	-1930.7	.00765	.00762	2.1031	.02439
#2	-.32032	35.060	-1932.5	.00393	.00705	2.1040	.02411
#3	5.3843	35.026	-1932.8	.00550	.00399	2.1046	.02413
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01422**	**1.0115**	**.04995**	**1.5608**	**.40345**	**.17712**
Stddev	.00005	.0002	.00202	.0080	.00035	.00173
%RSD	.38221	.01917	4.0388	.51269	.08641	.97671
#1	.01418	1.0117	.05169	1.5689	.40319	.17874
#2	.01421	1.0114	.05042	1.5528	.40384	.17530
#3	.01428	1.0113	.04774	1.5608	.40331	.17732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60666.**	**68829.**
Stddev	117.	61.
%RSD	.19229	.08876
#1	60541.	68835.
#2	60685.	68886.
#3	60772.	68764.

Approved: April 05, 2011

Sample Name: L1104006702S Acquired: 4/4/2011 16:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20225**	**331.47**	**.21806**	**.93366**	**1.0670**	**.03036**	**5.7128**
Stddev	.00133	1.57	.00118	.00690	.0033	.00011	.0120
%RSD	.65682	.47377	.53913	.73889	.30848	.36979	.20980
#1	.20214	332.72	.21900	.93149	1.0685	.03034	5.7216
#2	.20363	331.97	.21843	.92810	1.0693	.03049	5.7177
#3	.20098	329.71	.21674	.94138	1.0632	.03026	5.6992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02579**	**.16613**	**.76231**	**.52727**	**775.73**	**29.234**	**.52413**
Stddev	.00012	.00090	.00546	.00582	15.43	.038	.00196
%RSD	.46277	.54151	.71573	1.1041	1.9890	.13104	.37408
#1	.02593	.16648	.75994	.52987	779.51	29.236	.52627
#2	.02569	.16680	.76855	.53134	758.77	29.272	.52368
#3	.02576	.16511	.75843	.52060	788.93	29.195	.52242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.316**	**6.4076**	**.44866**	**23.513**	**.32881**	**6.3071**	**.43033**
Stddev	.027	.0075	.00092	.067	.00127	.0310	.00012
%RSD	.25891	.11646	.20571	.28500	.38489	.49180	.02711
#1	10.285	6.3989	.44761	23.575	.32906	6.3109	.43025
#2	10.327	6.4120	.44932	23.522	.32993	6.3361	.43047
#3	10.334	6.4117	.44907	23.442	.32744	6.2744	.43029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006702S Acquired: 4/4/2011 16:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7887**	F **39.884**	F **-1969.1**	**.50093**	**.14193**	**4.3497**	**.52038**
Stddev	4.5460	.298	15.6	.00198	.00209	.0177	.00066
%RSD	66.964	.74734	.79106	.39598	1.4696	.40796	.12669
#1	1.9799	40.112	-1982.7	.50055	.14171	4.3662	.51977
#2	7.3704	39.992	-1972.5	.50307	.14411	4.3519	.52108
#3	11.016	39.546	-1952.1	.49916	.13996	4.3309	.52030
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47422**	**2.1140**	**.26547**	**2.0985**	**.84028**	**.15828**
Stddev	.00219	.0040	.00087	.0084	.00097	.00100
%RSD	.46079	.18816	.32813	.40099	.11588	.63233
#1	.47623	2.1143	.26462	2.0945	.84011	.15728
#2	.47453	2.1179	.26543	2.1082	.84133	.15928
#3	.47190	2.1099	.26636	2.0929	.83941	.15828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60320.**	**67750.**
Stddev	206.	158.
%RSD	.34121	.23296
#1	60140.	67770.
#2	60275.	67896.
#3	60545.	67583.

Approved: April 05, 2011

Sample Name: L1104006703SD Acquired: 4/4/2011 16:42:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19823**	**361.82**	**.22254**	**.95681**	**1.0856**	**.03061**	**5.6981**
Stddev	.00146	.57	.00112	.00470	.0031	.00003	.0254
%RSD	.73620	.15872	.50436	.49157	.28701	.08703	.44618
#1	.19990	361.23	.22230	.96223	1.0838	.03062	5.6718
#2	.19720	362.37	.22376	.95438	1.0892	.03058	5.7225
#3	.19758	361.86	.22155	.95383	1.0838	.03063	5.6999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02570**	**.15383**	**.78531**	**.52627**	**799.79**	**29.842**	**.53791**
Stddev	.00003	.00021	.00451	.00055	10.10	.113	.00102
%RSD	.12215	.13412	.57437	.10530	1.2627	.37916	.19005
#1	.02566	.15380	.78151	.52564	811.25	29.727	.53775
#2	.02572	.15405	.78412	.52652	795.89	29.953	.53901
#3	.02571	.15364	.79029	.52665	792.21	29.847	.53698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.743**	**5.9326**	**.45079**	**23.643**	**.33588**	**6.4264**	**.42097**
Stddev	.046	.0039	.00094	.011	.00048	.0160	.00139
%RSD	.42593	.06622	.20764	.04785	.14342	.24875	.32993
#1	10.692	5.9283	.44979	23.643	.33533	6.4089	.42182
#2	10.781	5.9334	.45163	23.632	.33626	6.4300	.41936
#3	10.756	5.9360	.45096	23.655	.33604	6.4403	.42171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006703SD Acquired: 4/4/2011 16:42:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0562**	F **41.359**	F **-2065.5**	**.49730**	**.14464**	**3.9770**	**.47346**
Stddev	2.8944	.029	1.9	.00034	.00095	.0053	.00147
%RSD	274.04	.06969	.09356	.06884	.65620	.13386	.30987
#1	-1.2097	41.387	-2065.3	.49696	.14396	3.9715	.47190
#2	4.3168	41.360	-2067.5	.49765	.14573	3.9772	.47366
#3	.06146	41.330	-2063.6	.49728	.14424	3.9822	.47482
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47824**	**2.0200**	**.26237**	**2.0883**	**.85933**	**.15944**
Stddev	.00064	.0004	.00163	.0051	.00067	.00089
%RSD	.13306	.01840	.62308	.24322	.07835	.56116
#1	.47752	2.0196	.26239	2.0873	.85877	.15876
#2	.47847	2.0203	.26399	2.0839	.86008	.15912
#3	.47873	2.0201	.26072	2.0939	.85915	.16046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60948.**	**67805.**
Stddev	27.	344.
%RSD	.04429	.50718
#1	60963.	67586.
#2	60917.	67627.
#3	60964.	68201.

Approved: April 05, 2011

Sample Name: L1104006701PS Acquired: 4/4/2011 16:45:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360751-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21356**	**322.28**	**.24420**	**1.1430**	**1.0515**	**.03258**	**6.0088**
Stddev	.00114	1.08	.00205	.0042	.0053	.00013	.0174
%RSD	.53285	.33650	.83894	.36304	.50783	.40785	.29030
#1	.21225	322.21	.24651	1.1432	1.0504	.03247	5.9980
#2	.21423	321.24	.24261	1.1388	1.0468	.03273	5.9994
#3	.21421	323.40	.24348	1.1471	1.0573	.03254	6.0289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02754**	**.18073**	**.73055**	**.52888**	**701.28**	**31.316**	**.57104**
Stddev	.00013	.00066	.00477	.00156	8.36	.087	.00170
%RSD	.46538	.36273	.65240	.29577	1.1919	.27877	.29811
#1	.02769	.18121	.72703	.52975	706.67	31.292	.57075
#2	.02747	.18100	.73597	.52982	691.65	31.242	.56949
#3	.02747	.17998	.72865	.52707	705.53	31.412	.57286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.421**	**7.3561**	**.51727**	**25.487**	**.35263**	**5.7102**	**.45344**
Stddev	.041	.0118	.00076	.018	.00130	.0142	.00299
%RSD	.39333	.16114	.14740	.07073	.36831	.24920	.65858
#1	10.374	7.3438	.51729	25.469	.35374	5.7073	.45670
#2	10.437	7.3569	.51650	25.505	.35295	5.7257	.45084
#3	10.451	7.3675	.51803	25.488	.35120	5.6977	.45279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701PS Acquired: 4/4/2011 16:45:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360751-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42009**	F **36.310**	F **-1723.9**	**.58448**	**.19512**	**4.3470**	**.02194**
Stddev	1.9793	.157	9.6	.00197	.00124	.0104	.00036
%RSD	471.18	.43319	.55864	.33729	.63385	.23939	1.6608
#1	1.7222	36.457	-1734.9	.58662	.19650	4.3583	.02153
#2	-1.8577	36.330	-1717.3	.58407	.19475	4.3378	.02222
#3	1.3958	36.144	-1719.4	.58274	.19411	4.3449	.02206
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51224**	**1.4124**	**.27772**	**1.9067**	**.86057**	**.16099**
Stddev	.00095	.0027	.00080	.0102	.00088	.00073
%RSD	.18508	.18862	.28627	.53629	.10208	.45130
#1	.51160	1.4103	.27803	1.8956	.86047	.16021
#2	.51179	1.4116	.27682	1.9087	.86149	.16164
#3	.51333	1.4154	.27832	1.9158	.85974	.16111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61116.**	**69162.**
Stddev	64.	197.
%RSD	.10490	.28550
#1	61150.	69311.
#2	61042.	68938.
#3	61156.	69236.

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:48:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**71.167**	**.01159**	**.06208**	**.12321**	**.00149**	**.20862**
Stddev	.00040	.440	.00059	.00052	.00026	.00003	.00321
%RSD	16.224	.61809	5.0551	.83762	.20774	1.9669	1.5396
#1	.00210	71.583	.01118	.06176	.12350	.00147	.21078
#2	.00240	70.707	.01133	.06268	.12303	.00153	.21015
#3	.00289	71.210	.01226	.06181	.12309	.00148	.20493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01908**	**.10770**	**.06765**	**168.06**	**1.5041**	**.01541**
Stddev	.00006	.00013	.00149	.00085	.26	.0173	.00052
%RSD	10.674	.67027	1.3822	1.2491	.15593	1.1507	3.3440
#1	.00061	.01896	.10629	.06684	168.35	1.5010	.01483
#2	.00056	.01908	.10926	.06853	167.86	1.4885	.01581
#3	.00049	.01921	.10755	.06759	167.96	1.5227	.01560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2967**	**1.6264**	**.00202**	**.04462**	**.02520**	**1.3921**	**.05477**
Stddev	.0193	.0043	.00019	.00852	.00044	.0061	.00077
%RSD	1.4885	.26462	9.5486	19.090	1.7561	.43886	1.4011
#1	1.3180	1.6282	.00217	.05274	.02470	1.3851	.05439
#2	1.2915	1.6215	.00180	.03576	.02536	1.3964	.05566
#3	1.2805	1.6295	.00207	.04537	.02554	1.3948	.05427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:48:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.577**	**7.5572**	F **-416.24**	**.00027**	**.00164**	**.45733**	**.00441**
Stddev	2.091	.0945	4.91	.00132	.00068	.00265	.00018
%RSD	11.258	1.2510	1.1784	487.98	41.715	.57868	4.0550
#1	19.263	7.4528	-410.69	-.00100	.00243	.45626	.00424
#2	16.229	7.6371	-418.06	.00164	.00129	.46035	.00440
#3	20.240	7.5818	-419.97	.00017	.00120	.45539	.00459
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**.20614**	**.01102**	**.31074**	**.08686**	**.03354**
Stddev	.00000	.00181	.00058	.00261	.00024	.00051
%RSD	.16775	.87757	5.2986	.84054	.27741	1.5200
#1	.00280	.20821	.01059	.30779	.08676	.03300
#2	.00281	.20533	.01079	.31276	.08714	.03401
#3	.00280	.20488	.01169	.31167	.08669	.03362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65679.**	**69506.**
Stddev	362.	295.
%RSD	.55063	.42482
#1	66094.	69478.
#2	65509.	69815.
#3	65433.	69226.

Approved: April 05, 2011

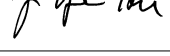
Sample Name: L1104006701SDL Acquired: 4/4/2011 16:52:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**14.397**	**.00320**	**.01317**	**.02480**	**.00030**	**.02531**
Stddev	.00024	.145	.00030	.00060	.00004	.00001	.00860
%RSD	216.49	1.0055	9.2686	4.5295	.16410	2.1944	33.994
#1	-.00039	14.415	.00288	.01386	.02481	.00030	.01677
#2	-.00001	14.244	.00328	.01276	.02484	.00030	.02518
#3	.00006	14.532	.00345	.01290	.02476	.00029	.03398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00396**	**.02145**	**.01368**	**33.699**	**.36928**	**.00080**
Stddev	.0001	.00022	.00016	.00030	.190	.03856	.00145
%RSD	4252.3	5.6525	.74631	2.1847	.56359	10.443	180.73
#1	.00004	.00415	.02162	.01402	33.715	.41165	.00245
#2	.00002	.00371	.02130	.01356	33.502	.35997	.00021
#3	-.00006	.00403	.02144	.01346	33.881	.33623	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25804**	**.33229**	**.00022**	**-.01150**	**.00482**	**.29512**	**.01093**
Stddev	.00432	.00235	.00003	.00723	.00039	.00200	.00077
%RSD	1.6723	.70834	14.155	62.908	8.0709	.67874	7.0220
#1	.25313	.33366	.00020	-.01984	.00444	.29717	.01007
#2	.26122	.32957	.00021	-.00777	.00481	.29317	.01118
#3	.25977	.33364	.00026	-.00689	.00522	.29502	.01155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104006701SDL Acquired: 4/4/2011 16:52:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **24.047**	**1.4810**	F **-78.135**	**-.00276**	**-.00037**	**.08756**	**.00003**
Stddev	.198	.0165	3.517	.00027	.00073	.00017	.00021
%RSD	.82389	1.1144	4.5007	9.6292	194.00	.19457	735.38
#1	23.826	1.4846	-80.507	-.00247	-.00002	.08775	-.00001
#2	24.104	1.4631	-79.804	-.00281	-.00121	.08742	-.00016
#3	24.210	1.4955	-74.095	-.00299	.00011	.08750	.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.04131**	**.00265**	**.06172**	**.01813**	**.00542**
Stddev	.00001	.00101	.00106	.00032	.00006	.00005
%RSD	1.2967	2.4366	39.849	.52587	.34177	.99804
#1	.00049	.04056	.00295	.06177	.01809	.00547
#2	.00049	.04091	.00354	.06201	.01820	.00543
#3	.00050	.04245	.00148	.06137	.01810	.00537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66954.**	**69200.**
Stddev	147.	316.
%RSD	.21982	.45622
#1	66968.	69139.
#2	67093.	69542.
#3	66800.	68919.

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:55:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**2.9411**	**.00202**	**.00307**	**.00531**	**.00005**	**-.01468**
Stddev	.00069	.0299	.00010	.00084	.00013	.00001	.00893
%RSD	130.96	1.0161	5.1393	27.287	2.4290	21.438	60.834
#1	-.00045	2.9471	.00213	.00404	.00516	.00004	-.01944
#2	.00012	2.9676	.00202	.00254	.00539	.00006	-.00438
#3	-.00126	2.9087	.00192	.00264	.00538	.00005	-.02022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00104**	**.00425**	**.00288**	**6.8609**	**.13205**	**-.00065**
Stddev	.00004	.00001	.00011	.00026	.0200	.02448	.00122
%RSD	171.12	.91918	2.5659	9.0131	.29126	18.541	187.24
#1	-.00001	.00104	.00424	.00305	6.8402	.13510	.00069
#2	-.00006	.00103	.00436	.00258	6.8801	.10618	-.00094
#3	.00001	.00105	.00414	.00301	6.8624	.15486	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04901**	**.06878**	**-.00003**	**-.00499**	**.00065**	**.06427**	**.00188**
Stddev	.01332	.00026	.00019	.00152	.00032	.00167	.00056
%RSD	27.177	.37124	697.97	30.374	48.296	2.6005	29.809
#1	.06182	.06904	.00011	-.00553	.00029	.06243	.00189
#2	.04999	.06878	.00006	-.00328	.00079	.06569	.00244
#3	.03523	.06853	-.00025	-.00616	.00088	.06470	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:55:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.391**	**.22796**	F **-9.8171**	**-.00116**	**-.00182**	**.01230**	**-.00078**
Stddev	5.454	.02695	3.8884	.00105	.00055	.00109	.00009
%RSD	31.360	11.824	39.609	90.932	30.239	8.8438	12.064
#1	13.024	.25686	-10.316	-.00069	-.00189	.01329	-.00082
#2	23.504	.20350	-5.7031	-.00236	-.00123	.01246	-.00085
#3	15.646	.22352	-13.432	-.00042	-.00232	.01114	-.00068
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00728**	**.00077**	**.01307**	**.00441**	**.00096**
Stddev	.00004	.00025	.00033	.00009	.00009	.00010
%RSD	47.425	3.3892	42.795	.69087	2.0185	10.394
#1	.00013	.00751	.00096	.01317	.00438	.00105
#2	.00005	.00732	.00039	.01300	.00434	.00097
#3	.00009	.00702	.00095	.01303	.00451	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66684.**	**69610.**
Stddev	100.	253.
%RSD	.14938	.36339
#1	66611.	69792.
#2	66798.	69321.
#3	66645.	69716.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:59:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40929**	**9.8369**	**.39963**	**.50297**	**.98078**	**.05037**	**9.7687**
Stddev	.00149	.0579	.00053	.00098	.00125	.00024	.0677
%RSD	.36395	.58851	.13352	.19495	.12763	.46757	.69333
#1	.40882	9.7797	.39970	.50300	.98122	.05011	9.6996
#2	.40809	9.8355	.40013	.50198	.97937	.05043	9.7717
#3	.41095	9.8954	.39907	.50394	.98175	.05057	9.8349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05086**	**.20475**	**.50581**	**.50620**	**3.9409**	**49.561**	**.99564**
Stddev	.00020	.00058	.00273	.00158	.0112	.193	.00148
%RSD	.38557	.28301	.53987	.31224	.28519	.38923	.14902
#1	.05064	.20420	.50381	.50459	3.9420	49.360	.99563
#2	.05097	.20470	.50469	.50774	3.9515	49.579	.99417
#3	.05098	.20535	.50892	.50628	3.9291	49.744	.99713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.031**	**.49852**	**.99629**	**49.941**	**.50882**	**9.8594**	**.51307**
Stddev	.054	.00128	.00182	.380	.00163	.0293	.00231
%RSD	.53487	.25586	.18257	.76161	.32119	.29762	.44989
#1	9.9700	.49732	.99742	49.588	.50713	9.8257	.51073
#2	10.072	.49986	.99726	49.892	.51039	9.8726	.51535
#3	10.050	.49839	.99419	50.344	.50894	9.8798	.51313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:59:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.380**	**10.262**	F **16.707**	**1.2168**	**.40059**	**5.0044**	**1.0104**
Stddev	7.165	.106	.684	.0017	.00410	.0088	.0013
%RSD	62.966	1.0354	4.0971	.14042	1.0245	.17505	.12488
#1	3.4310	10.139	17.284	1.2151	.40048	4.9944	1.0091
#2	13.365	10.320	16.885	1.2185	.40474	5.0087	1.0105
#3	17.343	10.326	15.951	1.2170	.39654	5.0102	1.0117
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98714**	**.99009**	**.51809**	**1.0105**	**1.0113**	**1.0025**
Stddev	.00674	.00362	.00071	.0042	.0012	.0029
%RSD	.68244	.36519	.13769	.41890	.12092	.28807
#1	.98166	.98604	.51727	1.0084	1.0101	1.0003
#2	.98510	.99121	.51853	1.0078	1.0114	1.0014
#3	.99466	.99301	.51848	1.0154	1.0125	1.0058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63242.**	**68301.**
Stddev	177.	529.
%RSD	.27988	.77496
#1	63426.	68877.
#2	63226.	67836.
#3	63073.	68191.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:02:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00443**	**-.00018**	**.00140**	**.00026**	**.00002**	**-.00920**
Stddev	.00013	.00733	.00037	.00090	.00016	.00001	.00922
%RSD	179.24	165.55	205.63	64.224	63.708	58.653	100.31
#1	.00005	-.01013	-.00056	.00199	.00026	.00002	-.01812
#2	-.00020	-.00700	.00019	.00185	.00042	.00001	-.00977
#3	-.00007	.00384	-.00017	.00037	.00009	.00003	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00003**	**-.00004**	**-.00011**	**-.00115**	**.11024**	**-.00108**
Stddev	.00005	.00008	.00062	.00031	.00169	.01536	.00143
%RSD	127.02	295.17	1430.7	291.01	147.22	13.931	133.26
#1	.00008	-.00005	.00067	-.00044	-.00286	.12797	.00014
#2	.00007	.00010	-.00036	-.00007	-.00110	.10176	-.00071
#3	-.00002	.00002	-.00044	.00019	.00052	.10099	-.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00254**	**-.00007**	**.00005**	**.00540**	**.00006**	**.00090**	**-.00043**
Stddev	.00452	.00011	.00013	.00505	.00020	.00122	.00086
%RSD	177.95	160.85	289.90	93.463	358.53	135.66	199.63
#1	-.00172	.00003	.00016	.01119	.00027	.00223	.00051
#2	.00152	-.00018	-.00010	.00315	.00003	.00067	-.00063
#3	-.00742	-.00005	.00008	.00187	-.00013	-.00019	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:02:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.460**	F **-.11668**	F **7.0235**	**.00083**	**-.00087**	**.00039**	**-.00068**
Stddev	5.848	.01749	2.1864	.00097	.00167	.00088	.00013
%RSD	31.681	14.987	31.129	116.82	192.27	224.11	18.732
#1	12.363	-.12384	6.2511	-.00003	.00029	.00082	-.00062
#2	18.994	-.09675	9.4913	.00064	-.00011	.00098	-.00060
#3	24.022	-.12945	5.3283	.00187	-.00279	-.00062	-.00083
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00090**	**-.00106**	**.00030**	**-.00040**	**-.00007**
Stddev	.00003	.00064	.00047	.00005	.00006	.00006
%RSD	321.12	70.535	44.142	16.336	14.634	90.531
#1	.00001	-.00145	-.00123	.00032	-.00045	-.00012
#2	.00005	-.00105	-.00053	.00034	-.00034	-.00009
#3	-.00002	-.00020	-.00142	.00025	-.00042	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64717.**	**67154.**
Stddev	271.	275.
%RSD	.41940	.40965
#1	65025.	67410.
#2	64513.	66863.
#3	64614.	67189.

Approved: April 05, 2011

Sample Name: L1104006901 Acquired: 4/4/2011 17:06:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**74.857**	**.12930**	**.08398**	**1.1555**	**.00776**	F **1211.6**
Stddev	.00008	1.069	.00072	.00145	.0118	.00003	20.5
%RSD	2.9446	1.4279	.55417	1.7230	1.0256	.36986	1.6923
#1	.00275	73.624	.12975	.08248	1.1419	.00778	1189.1
#2	.00267	75.428	.12967	.08409	1.1609	.00773	1229.4
#3	.00260	75.520	.12847	.08537	1.1637	.00776	1216.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00842**	**.06743**	**.18453**	**.14116**	**184.42**	**7.9041**	**.12612**
Stddev	.00006	.00021	.00066	.00129	2.38	.1030	.00186
%RSD	.66806	.30656	.35536	.91211	1.2916	1.3029	1.4769
#1	.00844	.06766	.18528	.14243	181.68	7.7864	.12460
#2	.00835	.06737	.18406	.13986	185.59	7.9488	.12556
#3	.00846	.06726	.18424	.14119	185.99	7.9773	.12820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.293**	**5.7897**	**.01035**	**.85977**	**.10471**	**6.1706**	**.47087**
Stddev	.663	.0958	.00014	.01315	.00059	.0041	.00255
%RSD	1.6868	1.6545	1.3405	1.5296	.56744	.06643	.54067
#1	38.532	5.6806	.01021	.84469	.10492	6.1749	.47245
#2	39.603	5.8283	.01049	.86883	.10404	6.1700	.46794
#3	39.744	5.8602	.01037	.86579	.10517	6.1668	.47224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006901 Acquired: 4/4/2011 17:06:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.0639**	F **1625.0**	F **-14691.**	**.00899**	**.01014**	**2.2802**	**.00764**
Stddev	2.9759	3.1	49.	.00044	.00246	.0059	.00011
%RSD	36.904	.19261	.33516	4.9284	24.297	.25670	1.4257
#1	-11.347	1628.5	-14743.	.00950	.00916	2.2833	.00759
#2	-7.3018	1622.5	-14646.	.00879	.01294	2.2735	.00756
#3	-5.5431	1624.0	-14684.	.00868	.00831	2.2840	.00776
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.7338**	**.24357**	**.00543**	**.33263**	**.82397**	**.06587**
Stddev	.1684	.00343	.00064	.00176	.00163	.00034
%RSD	2.9368	1.4070	11.822	.52952	.19820	.51834
#1	5.5447	.23965	.00553	.33445	.82573	.06625
#2	5.7893	.24506	.00602	.33093	.82251	.06580
#3	5.8675	.24599	.00474	.33251	.82368	.06558
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**56956.**	**68205.**
Stddev	241.	737.
%RSD	.42280	1.0812
#1	56678.	69054.
#2	57097.	67725.
#3	57093.	67835.

Approved: April 05, 2011

Sample Name: L1104006902 Acquired: 4/4/2011 17:10:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00272**	**56.528**	**.11099**	**.07151**	**.99513**	**.00648**	F **1839.2**
Stddev	.00022	.245	.00127	.00038	.00065	.00002	19.0
%RSD	8.2341	.43428	1.1432	.53698	.06547	.35971	1.0343
#1	.00249	56.810	.10968	.07106	.99587	.00648	1854.0
#2	.00294	56.359	.11108	.07170	.99466	.00646	1845.9
#3	.00272	56.416	.11221	.07176	.99484	.00651	1817.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00931**	**.08028**	**.14738**	**.14054**	**163.86**	**4.8595**	**.19569**
Stddev	.00008	.00052	.00048	.00134	.04	.0440	.00201
%RSD	.87307	.64278	.32687	.95261	.02566	.90555	1.0248
#1	.00926	.08073	.14683	.14189	163.91	4.9051	.19801
#2	.00927	.07972	.14757	.13921	163.84	4.8562	.19448
#3	.00940	.08039	.14774	.14051	163.83	4.8173	.19458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.832**	**7.7641**	**.01106**	**1.2311**	**.12514**	**4.5083**	**.51382**
Stddev	.034	.0044	.00014	.0039	.00031	.0098	.00091
%RSD	.07245	.05709	1.2492	.31422	.24439	.21746	.17784
#1	46.838	7.7621	.01091	1.2345	.12538	4.5184	.51442
#2	46.863	7.7611	.01119	1.2319	.12480	4.4988	.51277
#3	46.795	7.7692	.01107	1.2269	.12525	4.5077	.51428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006902 Acquired: 4/4/2011 17:10:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.4126**	F **2699.2**	F **-13830.**	**.00970**	**.01179**	**2.2542**	**.00529**
Stddev	.9185	4.6	51.	.00186	.00103	.0216	.00014
%RSD	9.7586	.16922	.37100	19.206	8.7140	.95735	2.6123
#1	-9.6334	2703.2	-13878.	.00766	.01292	2.2679	.00545
#2	-10.201	2694.2	-13776.	.01015	.01154	2.2653	.00518
#3	-8.4038	2700.1	-13837.	.01130	.01091	2.2293	.00525
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.5914**	**.20654**	**.00657**	**.29786**	**.63955**	**.05626**
Stddev	.0090	.00134	.00125	.00121	.00111	.00017
%RSD	.09421	.64987	19.062	.40492	.17379	.30814
#1	9.5952	.20634	.00727	.29920	.64019	.05646
#2	9.5810	.20531	.00513	.29754	.63827	.05614
#3	9.5979	.20797	.00732	.29685	.64020	.05618
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**55151.**	**67164.**
Stddev	152.	541.
%RSD	.27553	.80542
#1	54988.	66572.
#2	55288.	67287.
#3	55177.	67632.

Approved: April 05, 2011

Sample Name: L1104006903 Acquired: 4/4/2011 17:13:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**70.680**	**.11563**	**.08589**	**.72365**	**.00757**	**32.845**
Stddev	.00032	.087	.00065	.00029	.00232	.00001	.726
%RSD	8.1504	.12323	.56433	.33724	.32053	.15412	2.2096
#1	.00376	70.586	.11572	.08585	.72122	.00757	33.636
#2	.00432	70.696	.11494	.08563	.72584	.00756	32.690
#3	.00376	70.757	.11623	.08620	.72388	.00758	32.210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00610**	**.08547**	**.21087**	**.11618**	**214.90**	**4.5563**	**.03424**
Stddev	.00006	.00063	.00046	.00096	.94	.0018	.00141
%RSD	.99261	.73527	.21733	.82513	.43707	.03872	4.1077
#1	.00611	.08613	.21136	.11728	213.85	4.5584	.03498
#2	.00604	.08538	.21046	.11574	215.20	4.5551	.03262
#3	.00616	.08489	.21078	.11551	215.66	4.5555	.03512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8667**	**5.7588**	**.01249**	**1.3103**	**.06019**	**3.5862**	**.37862**
Stddev	.0518	.0213	.00026	.0013	.00040	.0112	.00064
%RSD	.58371	.36923	2.1017	.09865	.65857	.31133	.16980
#1	8.8321	5.7354	.01258	1.3103	.05990	3.5955	.37919
#2	8.8419	5.7640	.01269	1.3089	.06064	3.5739	.37792
#3	8.9262	5.7769	.01219	1.3115	.06004	3.5893	.37874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006903 Acquired: 4/4/2011 17:13:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.2216**	F **165.18**	F **-7942.4**	**.00711**	**.00954**	**2.0083**	**.00758**
Stddev	2.7479	.29	25.2	.00111	.00087	.0332	.00012
%RSD	65.092	.17565	.31670	15.675	9.1125	1.6537	1.5550
#1	-7.0593	165.46	-7963.1	.00768	.01033	1.9815	.00764
#2	-4.0324	165.21	-7949.6	.00782	.00861	1.9979	.00766
#3	-1.5732	164.88	-7914.4	.00583	.00968	2.0454	.00744
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20067**	**.26004**	**.01019**	**.42522**	**.60350**	**.06435**
Stddev	.00273	.00111	.00075	.00104	.00005	.00012
%RSD	1.3602	.42863	7.3215	.24453	.00911	.19313
#1	.20358	.25876	.00934	.42403	.60344	.06421
#2	.20027	.26084	.01069	.42568	.60354	.06446
#3	.19817	.26051	.01056	.42596	.60353	.06437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63437.**	**70586.**
Stddev	120.	309.
%RSD	.18870	.43809
#1	63325.	70579.
#2	63422.	70899.
#3	63563.	70281.

Approved: April 05, 2011

Sample Name: L1104006904 Acquired: 4/4/2011 17:17:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**86.937**	**.13268**	**.10528**	**.57598**	**.00948**	**20.293**
Stddev	.00034	.598	.00145	.00391	.00093	.00004	.125
%RSD	8.2004	.68757	1.0942	3.7151	.16217	.37697	.61586
#1	.00457	86.754	.13389	.10088	.57499	.00949	20.246
#2	.00389	87.605	.13309	.10661	.57685	.00951	20.435
#3	.00415	86.453	.13107	.10835	.57609	.00944	20.199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**.09979**	**.32849**	**.09510**	**275.83**	**3.9005**	**.03776**
Stddev	.00007	.00067	.00120	.00093	4.61	.0268	.00099
%RSD	1.5207	.67619	.36663	.97519	1.6722	.68833	2.6173
#1	.00441	.09966	.32789	.09559	270.73	3.8873	.03703
#2	.00435	.10052	.32987	.09569	277.07	3.9314	.03736
#3	.00448	.09919	.32770	.09403	279.70	3.8828	.03889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5532**	**5.6608**	**.01431**	**6.8329**	**.06762**	**1.9620**	**.28858**
Stddev	.0157	.0221	.00028	.0470	.00029	.0095	.00137
%RSD	.18398	.38979	1.9672	.68802	.42260	.48655	.47360
#1	8.5469	5.6414	.01463	6.8082	.06757	1.9638	.28704
#2	8.5712	5.6848	.01420	6.8871	.06792	1.9706	.28906
#3	8.5416	5.6563	.01410	6.8035	.06736	1.9517	.28964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006904 Acquired: 4/4/2011 17:17:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.4054**	F **90.183**	F **-4150.7**	**.00711**	**.00885**	**1.9353**	**.00715**
Stddev	5.7139	.181	25.1	.00121	.00346	.0104	.00010
%RSD	105.71	.20022	.60350	17.054	39.118	.53731	1.3928
#1	-10.259	90.383	-4151.9	.00732	.01251	1.9251	.00705
#2	.8920	90.134	-4175.1	.00581	.00562	1.9351	.00716
#3	-6.8493	90.032	-4125.1	.00821	.00844	1.9459	.00725
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15341**	**.27491**	**.01336**	**.54352**	**.28340**	**.08914**
Stddev	.00102	.00009	.00160	.00212	.00076	.00054
%RSD	.66762	.03437	11.963	.39057	.26718	.60483
#1	.15324	.27485	.01283	.54365	.28427	.08854
#2	.15452	.27486	.01209	.54557	.28305	.08958
#3	.15249	.27502	.01515	.54134	.28289	.08930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63978.**	**70987.**
Stddev	243.	502.
%RSD	.38020	.70664
#1	63771.	70594.
#2	63917.	70814.
#3	64246.	71552.

Approved: April 05, 2011

Sample Name: L1104006905 Acquired: 4/4/2011 17:20:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00606**	**80.321**	**.13102**	**.09225**	**1.3781**	**.00837**	**75.020**
Stddev	.00022	.176	.00199	.00129	.0031	.00003	.060
%RSD	3.6208	.21918	1.5207	1.4015	.22689	.36478	.08028
#1	.00612	80.501	.13270	.09210	1.3748	.00838	75.050
#2	.00582	80.313	.12882	.09104	1.3811	.00834	75.060
#3	.00625	80.149	.13155	.09362	1.3783	.00839	74.951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.19059**	**.19907**	**.14176**	**217.84**	**7.1015**	**.04059**
Stddev	.00011	.00037	.00122	.00081	2.60	.0214	.00061
%RSD	1.5707	.19590	.61520	.56841	1.1948	.30146	1.5119
#1	.00681	.19096	.19983	.14235	217.09	7.1232	.04117
#2	.00689	.19021	.19766	.14084	215.69	7.1009	.03995
#3	.00703	.19061	.19973	.14209	220.73	7.0804	.04065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.662**	**14.267**	**.01312**	**.88236**	**.07979**	**5.4572**	**.46219**
Stddev	.042	.051	.00002	.00905	.00037	.0145	.00230
%RSD	.32851	.35456	.11964	1.0255	.46976	.26535	.49831
#1	12.614	14.209	.01312	.89070	.07992	5.4731	.46295
#2	12.684	14.288	.01314	.87274	.07937	5.4536	.45961
#3	12.688	14.304	.01310	.88363	.08009	5.4448	.46402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006905 Acquired: 4/4/2011 17:20:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.0248**	F **310.53**	F **-14017.**	**.00649**	**.01430**	**2.1025**	**.00862**
Stddev	3.0437	1.35	88.	.00066	.00046	.0129	.00014
%RSD	50.519	.43579	.62643	10.158	3.2125	.61094	1.6632
#1	-9.5029	312.09	-14112.	.00674	.01475	2.1022	.00867
#2	-3.8483	309.63	-13939.	.00575	.01383	2.0898	.00846
#3	-4.7234	309.87	-14000.	.00699	.01432	2.1155	.00874
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38203**	**.31271**	**.01293**	**.43178**	**.81921**	**.06838**
Stddev	.00070	.00087	.00064	.00183	.00090	.00015
%RSD	.18417	.27965	4.9605	.42382	.10979	.22566
#1	.38280	.31171	.01363	.43031	.82008	.06820
#2	.38142	.31308	.01238	.43120	.81927	.06844
#3	.38189	.31333	.01278	.43383	.81828	.06849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63012.**	**70283.**
Stddev	172.	164.
%RSD	.27335	.23336
#1	62901.	70471.
#2	63210.	70171.
#3	62925.	70207.

Approved: April 05, 2011

Sample Name: L1104006906 Acquired: 4/4/2011 17:24:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**64.563**	**.13408**	**.08952**	**.80623**	**.00782**	**31.686**
Stddev	.00041	.504	.00153	.00143	.00356	.00001	.230
%RSD	8.9433	.78016	1.1396	1.5971	.44101	.15137	.72590
#1	.00428	64.038	.13410	.08829	.80234	.00782	31.431
#2	.00500	65.043	.13559	.08917	.80931	.00782	31.877
#3	.00432	64.607	.13254	.09109	.80705	.00780	31.750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00590**	**.07665**	**.22771**	**.11889**	**225.22**	**3.7485**	**.02617**
Stddev	.00011	.00033	.00186	.00061	2.95	.0420	.00098
%RSD	1.8405	.43548	.81541	.51260	1.3102	1.1193	3.7328
#1	.00577	.07703	.22826	.11929	221.92	3.7167	.02723
#2	.00596	.07640	.22565	.11919	226.13	3.7960	.02530
#3	.00597	.07653	.22924	.11818	227.61	3.7327	.02599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1907**	**5.8044**	**.01168**	**.72878**	**.05926**	**3.0221**	**.38068**
Stddev	.0624	.0326	.00029	.00729	.00048	.0104	.00097
%RSD	.86751	.56167	2.4751	.99979	.80576	.34485	.25599
#1	7.1192	5.7675	.01201	.72578	.05963	3.0156	.37976
#2	7.2339	5.8291	.01151	.73709	.05942	3.0341	.38170
#3	7.2190	5.8167	.01151	.72347	.05872	3.0166	.38058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006906 Acquired: 4/4/2011 17:24:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.1256**	F **131.94**	F **-6016.8**	**.00614**	**.00825**	**1.6150**	**.00715**
Stddev	6.7828	.35	28.0	.00153	.00134	.0051	.00021
%RSD	164.41	.26780	.46489	24.883	16.204	.31655	2.8806
#1	-11.872	131.56	-6007.6	.00652	.00841	1.6209	.00737
#2	-1.2556	132.26	-6048.2	.00446	.00684	1.6119	.00710
#3	.7504	131.99	-5994.6	.00744	.00950	1.6121	.00697
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19206**	**.23294**	**.01136**	**.45463**	**.51112**	**.06537**
Stddev	.00119	.00206	.00022	.00170	.00046	.00060
%RSD	.61738	.88366	1.9697	.37372	.08976	.91543
#1	.19087	.23071	.01136	.45447	.51070	.06571
#2	.19324	.23336	.01114	.45302	.51104	.06468
#3	.19208	.23476	.01159	.45641	.51161	.06573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63724.**	**70438.**
Stddev	61.	259.
%RSD	.09590	.36832
#1	63669.	70715.
#2	63712.	70200.
#3	63790.	70399.

Approved: April 05, 2011

Sample Name: L1104006907 Acquired: 4/4/2011 17:27:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**93.476**	**.15635**	**.09868**	**1.7838**	**.01120**	**43.447**
Stddev	.00058	.934	.00037	.00542	.0069	.00004	.306
%RSD	10.987	.99929	.23522	5.4880	.38652	.33156	.70529
#1	.00461	92.427	.15601	.09282	1.7762	.01123	43.099
#2	.00572	94.219	.15630	.10350	1.7897	.01120	43.678
#3	.00544	93.780	.15674	.09972	1.7855	.01116	43.563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**.13824**	**.25958**	**.16239**	**247.64**	**6.8660**	**.04324**
Stddev	.00015	.00017	.00148	.00036	7.65	.0371	.00050
%RSD	1.7961	.12571	.56887	.21866	3.0910	.54060	1.1517
#1	.00846	.13819	.26104	.16278	239.16	6.8362	.04308
#2	.00855	.13843	.25961	.16209	254.03	6.8542	.04285
#3	.00876	.13810	.25809	.16230	249.72	6.9076	.04380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.356**	**10.325**	**.01476**	**1.3591**	**.08748**	**4.8318**	**.51243**
Stddev	.141	.068	.00028	.0085	.00046	.0061	.00017
%RSD	.98293	.66271	1.8693	.62867	.52609	.12582	.03222
#1	14.193	10.248	.01461	1.3513	.08800	4.8372	.51257
#2	14.436	10.378	.01507	1.3682	.08714	4.8252	.51248
#3	14.439	10.350	.01458	1.3576	.08729	4.8331	.51225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006907 Acquired: 4/4/2011 17:27:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.026**	F **239.20**	F **-11621.**	**.00869**	**.01261**	**2.0768**	**.00940**
Stddev	8.001	.27	28.	.00100	.00057	.0081	.00019
%RSD	61.420	.11287	.24306	11.468	4.5106	.38973	2.0457
#1	-20.731	239.05	-11594.	.00982	.01214	2.0736	.00922
#2	-4.7597	239.51	-11650.	.00829	.01324	2.0861	.00961
#3	-13.587	239.04	-11618.	.00795	.01244	2.0709	.00937
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29987**	**.28568**	**.01266**	**.51308**	**.88505**	**.09926**
Stddev	.00194	.00161	.00067	.00100	.00047	.00094
%RSD	.64658	.56334	5.3172	.19435	.05270	.95138
#1	.29772	.28434	.01311	.51416	.88452	.09917
#2	.30148	.28747	.01188	.51289	.88521	.10024
#3	.30041	.28525	.01298	.51219	.88541	.09836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63289.**	**71719.**
Stddev	93.	434.
%RSD	.14645	.60545
#1	63187.	72117.
#2	63366.	71256.
#3	63315.	71782.

Approved: April 05, 2011

Sample Name: L1104006908 Acquired: 4/4/2011 17:31:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**148.83**	**.12603**	**.10577**	**1.3175**	**.01336**	**29.018**
Stddev	.00010	1.33	.00230	.00293	.0092	.00010	.235
%RSD	5.4993	.89611	1.8282	2.7655	.69903	.74911	.80954
#1	.00184	147.29	.12558	.10269	1.3069	.01325	28.748
#2	.00196	149.46	.12852	.10613	1.3235	.01343	29.126
#3	.00176	149.73	.12398	.10850	1.3220	.01340	29.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.09117**	**.20597**	**.18085**	**280.26**	**5.6382**	**.04386**
Stddev	.00002	.00018	.00125	.00067	5.30	.0551	.00106
%RSD	.44906	.20034	.60748	.37082	1.8925	.97696	2.4058
#1	.00409	.09098	.20515	.18150	274.14	5.5783	.04267
#2	.00406	.09135	.20536	.18091	283.04	5.6494	.04424
#3	.00405	.09118	.20741	.18016	283.59	5.6868	.04468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.553**	**3.5866**	**.01165**	**29.833**	**.08817**	**1.3369**	**.26042**
Stddev	.439	.0280	.00018	.206	.00028	.0025	.00080
%RSD	1.2357	.77973	1.5195	.69013	.31725	.18461	.30881
#1	35.063	3.5547	.01151	29.595	.08808	1.3396	.25968
#2	35.683	3.5987	.01158	29.943	.08794	1.3362	.26030
#3	35.912	3.6065	.01185	29.960	.08848	1.3348	.26127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006908 Acquired: 4/4/2011 17:31:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.5574**	F **183.54**	F **-9230.5**	**.00749**	**.01704**	**1.8288**	**.01052**
Stddev	3.9879	.64	19.1	.00068	.00215	.0292	.00027
%RSD	52.768	.34919	.20739	9.0204	12.601	1.5946	2.5603
#1	-11.577	182.85	-9208.5	.00672	.01947	1.8083	.01028
#2	-7.4927	184.12	-9239.5	.00796	.01621	1.8158	.01081
#3	-3.6023	183.64	-9243.4	.00780	.01543	1.8622	.01047
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42740**	**.13694**	**.00831**	**.45544**	**.30808**	**.10500**
Stddev	.00275	.00199	.00087	.00279	.00010	.00104
%RSD	.64360	1.4543	10.523	.61219	.03385	.99333
#1	.42426	.13534	.00733	.45236	.30796	.10388
#2	.42938	.13632	.00902	.45619	.30813	.10519
#3	.42856	.13917	.00857	.45779	.30814	.10594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63098.**	**71511.**
Stddev	76.	752.
%RSD	.12099	1.0509
#1	63185.	72281.
#2	63065.	71473.
#3	63043.	70779.

Approved: April 05, 2011

Sample Name: L1104006909 Acquired: 4/4/2011 17:34:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**53.501**	**.08347**	**.06902**	**.96395**	**.00560**	**793.53**
Stddev	.00067	.118	.00071	.00061	.00227	.00003	7.22
%RSD	28.376	.22068	.85281	.88867	.23587	.56700	.90951
#1	.00214	53.381	.08420	.06948	.96143	.00560	797.94
#2	.00183	53.617	.08343	.06832	.96458	.00564	785.20
#3	.00312	53.506	.08277	.06925	.96584	.00557	797.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.05491**	**.12740**	**.14109**	**129.75**	**9.1290**	**.07799**
Stddev	.00008	.00014	.00073	.00044	.36	.0366	.00064
%RSD	1.3728	.25293	.56988	.30860	.27721	.40087	.81777
#1	.00571	.05502	.12742	.14063	129.36	9.0885	.07836
#2	.00580	.05495	.12813	.14114	129.83	9.1596	.07835
#3	.00565	.05475	.12667	.14150	130.06	9.1389	.07725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.984**	**3.9371**	**.01116**	**.77915**	**.09281**	**8.2883**	**.30672**
Stddev	.135	.0037	.00020	.00287	.00035	.0122	.00063
%RSD	.32861	.09342	1.8343	.36830	.37916	.14766	.20632
#1	40.861	3.9342	.01134	.77643	.09318	8.2875	.30731
#2	40.963	3.9413	.01094	.78215	.09276	8.2765	.30605
#3	41.128	3.9358	.01121	.77889	.09249	8.3009	.30679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006909 Acquired: 4/4/2011 17:34:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.4743**	F **1284.7**	F **-25441.**	**.00805**	**.00973**	**2.6003**	**.00708**
Stddev	1.5258	1.9	46.	.00141	.00187	.0322	.00038
%RSD	18.006	.15131	.17989	17.486	19.261	1.2374	5.4272
#1	-7.1537	1283.9	-25413.	.00956	.00990	2.5715	.00698
#2	-8.1246	1283.2	-25416.	.00677	.01152	2.6350	.00677
#3	-10.145	1286.9	-25494.	.00783	.00778	2.5945	.00751
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0256**	**.25288**	**.00262**	**.24544**	**.82257**	**.05834**
Stddev	.0449	.00158	.00110	.00030	.00088	.00007
%RSD	1.4832	.62489	42.057	.12374	.10668	.12401
#1	3.0046	.25244	.00138	.24538	.82165	.05842
#2	3.0772	.25157	.00350	.24517	.82265	.05828
#3	2.9951	.25463	.00298	.24577	.82340	.05833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**57542.**	**69655.**
Stddev	23.	193.
%RSD	.03942	.27698
#1	57520.	69520.
#2	57565.	69876.
#3	57540.	69570.

Approved: April 05, 2011

Sample Name: L1104006910 Acquired: 4/4/2011 17:38:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**75.733**	**.11973**	**.08090**	**1.3957**	**.00816**	**119.82**
Stddev	.00021	.220	.00077	.00098	.0107	.00001	.47
%RSD	3.8245	.29007	.64650	1.2123	.76314	.13939	.38961
#1	.00536	75.938	.12062	.08152	1.4052	.00817	120.28
#2	.00566	75.760	.11919	.08140	1.3979	.00816	119.83
#3	.00526	75.501	.11938	.07977	1.3842	.00815	119.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00714**	**.28655**	**.19933**	**.12544**	**200.53**	**5.2738**	**.04257**
Stddev	.00004	.00040	.00077	.00079	.72	.0271	.00171
%RSD	.53906	.13831	.38719	.63213	.35950	.51356	4.0101
#1	.00714	.28699	.19996	.12453	201.35	5.2939	.04454
#2	.00717	.28622	.19846	.12579	200.26	5.2843	.04155
#3	.00710	.28643	.19956	.12599	199.98	5.2430	.04163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.281**	**14.569**	**.01114**	**.68459**	**.08690**	**3.8075**	**.53023**
Stddev	.052	.024	.00012	.00178	.00062	.0151	.00287
%RSD	.42638	.16418	1.0463	.25949	.70850	.39733	.54146
#1	12.293	14.570	.01113	.68410	.08619	3.7986	.52706
#2	12.224	14.544	.01103	.68311	.08719	3.7989	.53266
#3	12.326	14.592	.01126	.68656	.08731	3.8249	.53096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006910 Acquired: 4/4/2011 17:38:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.0054**	F **258.08**	F **-8082.0**	**.00904**	**.01235**	**2.2919**	**.00868**
Stddev	4.1661	.13	19.3	.00104	.00236	.0077	.00006
%RSD	59.470	.05163	.23827	11.538	19.111	.33677	.65346
#1	-10.572	258.23	-8103.9	.00830	.01313	2.2992	.00871
#2	-8.0175	257.98	-8067.6	.00859	.00970	2.2928	.00862
#3	-2.4264	258.04	-8074.5	.01023	.01423	2.2838	.00872
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67995**	**.28828**	**.01401**	**.40581**	**.83390**	**.07187**
Stddev	.00272	.00170	.00162	.00053	.00050	.00019
%RSD	.40068	.59024	11.574	.12950	.06052	.25836
#1	.68240	.28875	.01239	.40547	.83427	.07205
#2	.68042	.28970	.01563	.40555	.83332	.07168
#3	.67702	.28639	.01401	.40642	.83411	.07189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61597.**	**70391.**
Stddev	111.	357.
%RSD	.18099	.50771
#1	61485.	70439.
#2	61597.	70721.
#3	61708.	70011.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 17:41:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41740**	**9.7733**	**.40503**	**.50982**	**.97902**	**.05100**	**9.7128**
Stddev	.00050	.0404	.00140	.00152	.00091	.00007	.0243
%RSD	.11896	.41368	.34650	.29909	.09299	.13238	.25058
#1	.41722	9.7741	.40350	.51023	.97991	.05096	9.7201
#2	.41701	9.7324	.40532	.50814	.97809	.05097	9.6856
#3	.41796	9.8133	.40626	.51111	.97905	.05108	9.7327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05169**	**.20725**	**.51248**	**.51397**	**3.9565**	**49.505**	**.99726**
Stddev	.00007	.00042	.00177	.00082	.0182	.105	.00320
%RSD	.13656	.20282	.34595	.15859	.46099	.21217	.32116
#1	.05167	.20688	.51242	.51339	3.9774	49.578	.99553
#2	.05163	.20716	.51074	.51363	3.9438	49.384	.99529
#3	.05177	.20770	.51429	.51490	3.9484	49.551	1.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.145**	**.50276**	**1.0056**	**49.735**	**.51319**	**9.9733**	**.51861**
Stddev	.022	.00104	.0008	.186	.00091	.0163	.00275
%RSD	.21309	.20669	.07815	.37472	.17773	.16317	.53001
#1	10.161	.50395	1.0047	49.752	.51308	9.9618	.51973
#2	10.121	.50205	1.0063	49.540	.51233	9.9662	.51548
#3	10.154	.50227	1.0058	49.912	.51415	9.9919	.52063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 17:41:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.189**	**10.447**	F **13.670**	**1.2335**	**.40996**	**5.0718**	**1.0217**
Stddev	5.301	.025	1.264	.0016	.00232	.0075	.0021
%RSD	32.747	.24191	9.2484	.13205	.56589	.14702	.20122
#1	17.234	10.424	14.296	1.2332	.40728	5.0719	1.0194
#2	20.890	10.443	14.500	1.2321	.41136	5.0643	1.0224
#3	10.443	10.474	12.215	1.2353	.41123	5.0792	1.0233
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97964**	**.99151**	**.52395**	**1.0265**	**1.0194**	**1.0111**
Stddev	.00280	.00125	.00083	.0025	.0020	.0049
%RSD	.28554	.12586	.15773	.24240	.19476	.48723
#1	.97993	.99285	.52375	1.0271	1.0172	1.0145
#2	.97671	.99038	.52324	1.0237	1.0198	1.0054
#3	.98228	.99130	.52486	1.0286	1.0211	1.0133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63792.**	**68986.**
Stddev	237.	502.
%RSD	.37082	.72705
#1	64041.	68433.
#2	63764.	69411.
#3	63571.	69116.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:45:08 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00675**	**-.00027**	**.00138**	**.00025**	**.00001**	**-.01937**
Stddev	.00068	.00561	.00023	.00052	.00009	.00002	.00509
%RSD	84.684	83.073	85.741	37.841	34.778	123.66	26.260
#1	-.00002	-.00907	-.00053	.00178	.00023	.00001	-.01566
#2	-.00117	-.01083	-.00015	.00079	.00018	.00003	-.01727
#3	-.00124	-.00036	-.00012	.00158	.00034	.00000	-.02517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00000**	**.00015**	**-.00025**	**.00072**	**.13248**	**-.00036**
Stddev	.00009	.00005	.00016	.00023	.00032	.04270	.00087
%RSD	123.68	1759.6	108.25	90.673	44.149	32.229	244.02
#1	-.00003	-.00001	.00001	.00000	.00100	.17662	.00029
#2	.00015	.00006	.00011	-.00032	.00038	.12943	-.00134
#3	.00010	-.00004	.00033	-.00044	.00079	.09139	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00010**	**.00015**	**.00567**	**-.00012**	**.00155**	**-.00081**
Stddev	.00708	.00007	.00012	.00618	.00021	.00211	.00062
%RSD	767.91	75.113	80.044	109.00	171.73	135.87	76.848
#1	-.00231	.00015	.00028	.01221	-.00010	.00377	-.00122
#2	-.00721	.00012	.00013	.00484	-.00034	-.00044	-.00009
#3	.00675	.00001	.00004	-.00006	.00008	.00133	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:45:08 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.514**	F **-.08716**	F **6.7252**	**.00024**	**-.00120**	**.00108**	**-.00076**
Stddev	3.691	.04061	3.1930	.00146	.00101	.00060	.00004
%RSD	22.353	46.598	47.478	618.03	83.659	55.626	4.7309
#1	20.301	-.11339	8.3897	.00189	-.00232	.00165	-.00075
#2	12.926	-.04037	3.0439	-.00030	-.00037	.00114	-.00080
#3	16.316	-.10771	8.7420	-.00089	-.00092	.00045	-.00073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00112**	**-.00162**	**.00024**	**-.00038**	**.00013**
Stddev	.00006	.00081	.00124	.00007	.00007	.00003
%RSD	166.01	72.937	76.717	27.430	19.840	19.629
#1	-.00007	-.00018	-.00064	.00017	-.00039	.00014
#2	.00003	-.00156	-.00120	.00029	-.00030	.00010
#3	-.00007	-.00161	-.00301	.00028	-.00044	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65629.**	**68567.**
Stddev	281.	475.
%RSD	.42816	.69255
#1	65351.	68862.
#2	65623.	68819.
#3	65912.	68019.

Approved: April 05, 2011

Sample Name: L1104003410 Acquired: 4/4/2011 17:48:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**342.03**	**.07296**	**.18245**	**1.3800**	**.00870**	**15.556**
Stddev	.00045	1.03	.00078	.00486	.0027	.00003	.034
%RSD	10.823	.30107	1.0644	2.6664	.19621	.36933	.21997
#1	.00363	342.36	.07248	.18411	1.3812	.00867	15.584
#2	.00446	340.87	.07255	.17697	1.3769	.00874	15.517
#3	.00433	342.85	.07386	.18627	1.3820	.00871	15.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.08195**	**.43870**	**.31294**	**488.85**	**14.938**	**.23544**
Stddev	.00003	.00018	.00282	.00166	6.33	.028	.00090
%RSD	1.0914	.22336	.64281	.52996	1.2946	.18596	.38350
#1	.00290	.08190	.43546	.31178	493.08	14.961	.23631
#2	.00289	.08215	.43998	.31484	481.57	14.907	.23551
#3	.00284	.08180	.44064	.31220	491.90	14.945	.23451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.607**	**4.4260**	**.01389**	**.54764**	**.11802**	**4.6785**	**.28170**
Stddev	.065	.0085	.00025	.00793	.00065	.0169	.00049
%RSD	.47701	.19185	1.8141	1.4471	.54709	.36052	.17513
#1	13.532	4.4186	.01376	.54131	.11876	4.6761	.28224
#2	13.637	4.4241	.01418	.55653	.11755	4.6964	.28162
#3	13.651	4.4352	.01372	.54509	.11775	4.6629	.28126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003410 Acquired: 4/4/2011 17:48:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-18.606**	F **157.92**	F **-8497.0**	**.00432**	**.00861**	**2.7402**	**.01670**
Stddev	3.757	.28	23.9	.00201	.00124	.0061	.00016
%RSD	20.191	.17875	.28148	46.529	14.402	.22254	.93212
#1	-22.032	157.88	-8495.0	.00310	.00953	2.7437	.01674
#2	-19.198	158.22	-8521.8	.00664	.00909	2.7332	.01653
#3	-14.589	157.67	-8474.1	.00322	.00720	2.7438	.01684
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11477**	**.63552**	**.01298**	**.63704**	**.43118**	**.15719**
Stddev	.00047	.00184	.00231	.00252	.00066	.00073
%RSD	.41290	.28910	17.812	.39628	.15287	.46481
#1	.11531	.63760	.01151	.63535	.43062	.15639
#2	.11443	.63410	.01565	.63994	.43100	.15736
#3	.11458	.63488	.01179	.63583	.43191	.15782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61047.**	**70829.**
Stddev	78.	311.
%RSD	.12821	.43892
#1	60995.	70805.
#2	61009.	70531.
#3	61137.	71152.

Approved: April 05, 2011

Sample Name: L1104003411 Acquired: 4/4/2011 17:52:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**356.15**	**.06754**	**.23252**	**1.3056**	**.01032**	**8.6240**
Stddev	.00028	.41	.00246	.00533	.0039	.00004	.0179
%RSD	27.519	.11428	3.6457	2.2929	.29817	.38833	.20777
#1	.00094	355.80	.07034	.22845	1.3067	.01030	8.6381
#2	.00080	356.06	.06571	.23055	1.3088	.01030	8.6038
#3	.00135	356.60	.06657	.23855	1.3013	.01037	8.6300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.10349**	**.50940**	**.40747**	**642.45**	**12.852**	**.22981**
Stddev	.00009	.00021	.00322	.00083	6.75	.026	.00068
%RSD	3.0167	.20652	.63134	.20479	1.0508	.20594	.29437
#1	.00277	.10374	.50693	.40804	639.16	12.827	.22912
#2	.00282	.10338	.50824	.40785	637.98	12.851	.22983
#3	.00293	.10335	.51304	.40651	650.22	12.880	.23047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.453**	**3.1164**	**.01437**	**.57681**	**.13877**	**6.3725**	**.24911**
Stddev	.054	.0078	.00019	.00239	.00046	.0205	.00152
%RSD	.51435	.24920	1.3270	.41399	.32808	.32111	.60924
#1	10.393	3.1102	.01459	.57412	.13896	6.3920	.24972
#2	10.498	3.1139	.01425	.57763	.13826	6.3743	.24738
#3	10.468	3.1251	.01427	.57868	.13911	6.3512	.25022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003411 Acquired: 4/4/2011 17:52:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.614**	F **110.00**	F **-6065.2**	**.00257**	**.00773**	**2.1771**	**.01522**
Stddev	1.995	.50	19.0	.00145	.00205	.0031	.00063
%RSD	10.171	.45335	.31404	56.518	26.516	.14254	4.1133
#1	-19.761	110.58	-6084.5	.00090	.00965	2.1765	.01478
#2	-17.549	109.78	-6046.4	.00324	.00798	2.1805	.01594
#3	-21.531	109.66	-6064.8	.00357	.00557	2.1744	.01495
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07266**	**.51838**	**.00964**	**.65559**	**.43566**	**.17400**
Stddev	.00003	.00148	.00065	.00102	.00069	.00098
%RSD	.03749	.28641	6.7274	.15487	.15729	.56485
#1	.07269	.51951	.01039	.65656	.43598	.17302
#2	.07265	.51670	.00927	.65568	.43613	.17400
#3	.07264	.51893	.00926	.65453	.43488	.17499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61571.**	**70689.**
Stddev	124.	275.
%RSD	.20188	.38878
#1	61443.	70776.
#2	61579.	70910.
#3	61691.	70381.

Approved: April 05, 2011

Sample Name: L1104003412 Acquired: 4/4/2011 17:55:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**342.42**	**.06741**	**.16548**	**1.4196**	**.00797**	**37.569**
Stddev	.00021	1.98	.00252	.00210	.0040	.00006	.132
%RSD	15.442	.57738	3.7308	1.2690	.28433	.70920	.35046
#1	.00117	340.16	.06491	.16369	1.4156	.00795	37.417
#2	.00132	343.81	.06994	.16780	1.4196	.00794	37.646
#3	.00158	343.30	.06738	.16496	1.4237	.00804	37.645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00291**	**.06036**	**.34441**	**.29373**	**427.00**	**16.700**	**.25665**
Stddev	.00003	.00016	.00081	.00184	2.59	.073	.00106
%RSD	1.1063	.27333	.23527	.62773	.60656	.43601	.41364
#1	.00288	.06039	.34388	.29168	424.33	16.621	.25610
#2	.00293	.06018	.34400	.29427	429.50	16.714	.25788
#3	.00294	.06051	.34534	.29525	427.17	16.765	.25598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.624**	**1.9139**	**.01260**	**.48330**	**.10319**	**4.6780**	**.23777**
Stddev	.112	.0070	.00029	.00339	.00101	.0056	.00173
%RSD	.45576	.36359	2.3179	.70209	.97758	.12076	.72588
#1	24.495	1.9059	.01233	.48650	.10331	4.6724	.23701
#2	24.679	1.9185	.01256	.48364	.10212	4.6779	.23656
#3	24.699	1.9173	.01291	.47974	.10413	4.6837	.23975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003412 Acquired: 4/4/2011 17:55:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.9563**	F **140.58**	F **-6260.1**	**.00228**	**.00619**	**1.9920**	**.01495**
Stddev	1.4927	.95	42.6	.00194	.00129	.0161	.00024
%RSD	16.667	.67665	.68103	85.030	20.818	.80615	1.6022
#1	-7.8756	139.49	-6211.0	.00447	.00701	1.9793	.01476
#2	-10.660	141.00	-6282.0	.00076	.00687	2.0100	.01488
#3	-8.3338	141.24	-6287.3	.00162	.00471	1.9866	.01522
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09626**	**.46924**	**.00927**	**.54737**	**.39884**	**.13926**
Stddev	.00032	.00144	.00104	.00159	.00099	.00054
%RSD	.32785	.30737	11.176	.29070	.24790	.38566
#1	.09603	.46766	.00863	.54854	.39996	.13866
#2	.09662	.46957	.01047	.54556	.39810	.13943
#3	.09612	.47049	.00872	.54802	.39846	.13969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61841.**	**69085.**
Stddev	93.	340.
%RSD	.15092	.49221
#1	61775.	69418.
#2	61948.	68738.
#3	61800.	69098.

Approved: April 05, 2011

Sample Name: L1103104307 Acquired: 4/4/2011 17:59:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**15.866**	**.06321**	**.03695**	**1.9652**	**.00664**	**35.027**
Stddev	.00039	.067	.00056	.00070	.0049	.00003	.121
%RSD	4.9166	.42410	.89134	1.8915	.24954	.45754	.34568
#1	.00754	15.813	.06377	.03776	1.9595	.00660	34.917
#2	.00831	15.942	.06320	.03650	1.9684	.00666	35.157
#3	.00806	15.843	.06265	.03659	1.9676	.00664	35.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01786**	**.10552**	**.09858**	**2.9889**	**69.783**	**12.070**	**.00356**
Stddev	.00005	.00026	.00061	.0028	.215	.038	.00033
%RSD	.27813	.24360	.61970	.09285	.30816	.31292	9.2579
#1	.01790	.10526	.09834	2.9868	69.537	12.029	.00389
#2	.01787	.10554	.09813	2.9880	69.878	12.078	.00357
#3	.01780	.10577	.09927	2.9921	69.934	12.103	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8701**	**5.3665**	**.00881**	**.23248**	**.02636**	**9.9308**	**7.2141**
Stddev	.0165	.0146	.00015	.00416	.00072	.0087	.0080
%RSD	.57546	.27240	1.7387	1.7908	2.7390	.08753	.11074
#1	2.8512	5.3496	.00898	.23691	.02719	9.9370	7.2074
#2	2.8775	5.3747	.00875	.23190	.02601	9.9208	7.2120
#3	2.8816	5.3752	.00869	.22864	.02588	9.9345	7.2230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104307 Acquired: 4/4/2011 17:59:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.5473**	F **112.46**	F **-4559.9**	**.02125**	**.00668**	**1.6174**	**.09336**
Stddev	7.1760	.10	17.8	.00113	.00183	.0094	.00013
%RSD	109.60	.09175	.39040	5.2969	27.400	.57789	.14255
#1	-1.1197	112.57	-4579.2	.02203	.00502	1.6225	.09351
#2	-14.683	112.43	-4556.5	.01996	.00636	1.6066	.09333
#3	-3.8388	112.37	-4544.1	.02175	.00864	1.6231	.09325
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16817**	**.45118**	**.00121**	**.06049**	**4.3724**	**.00708**
Stddev	.00041	.00164	.00141	.00024	.0073	.00012
%RSD	.24483	.36444	116.35	.38853	.16713	1.7168
#1	.16800	.44951	.00274	.06024	4.3640	.00696
#2	.16864	.45123	.00096	.06070	4.3761	.00721
#3	.16787	.45280	-.00005	.06054	4.3772	.00708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64727.**	**71952.**
Stddev	113.	123.
%RSD	.17382	.17161
#1	64651.	71839.
#2	64674.	71933.
#3	64856.	72083.

Approved: April 05, 2011

Sample Name: L1103104309 Acquired: 4/4/2011 18:02:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00689**	**14.939**	**.06810**	**.02746**	**1.0139**	**.00717**	**24.882**
Stddev	.00054	.092	.00070	.00047	.0012	.00005	.131
%RSD	7.9084	.61812	1.0337	1.6974	.11581	.73243	.52840
#1	.00713	14.962	.06857	.02788	1.0145	.00713	24.908
#2	.00727	15.019	.06729	.02696	1.0147	.00715	24.999
#3	.00626	14.838	.06845	.02755	1.0126	.00723	24.740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10969**	**.04401**	**2.9500**	**56.301**	**7.5843**	**.00278**
Stddev	.00005	.00038	.00072	.0121	.182	.0188	.00078
%RSD	.48777	.34716	1.6392	.41174	.32379	.24816	27.840
#1	.01029	.10971	.04362	2.9430	56.417	7.5909	.00209
#2	.01039	.10929	.04356	2.9431	56.395	7.5631	.00264
#3	.01034	.11005	.04484	2.9641	56.091	7.5989	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3981**	**5.2058**	**.00879**	**.18283**	**.01293**	**5.0171**	**2.8065**
Stddev	.0108	.0103	.00022	.00437	.00034	.0093	.0054
%RSD	.45072	.19865	2.5580	2.3927	2.6325	.18606	.19255
#1	2.4057	5.2047	.00904	.18062	.01255	5.0125	2.8022
#2	2.4028	5.2167	.00874	.18001	.01320	5.0110	2.8047
#3	2.3857	5.1961	.00860	.18787	.01304	5.0278	2.8126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104309 Acquired: 4/4/2011 18:02:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.7001**	F **92.564**	F **-3917.3**	**.00826**	**.00915**	**1.4530**	**.04416**
Stddev	2.7394	1.004	18.3	.00120	.00214	.0067	.00015
%RSD	40.886	1.0851	.46648	14.580	23.412	.46260	.33039
#1	-5.5069	92.975	-3931.3	.00912	.00737	1.4453	.04400
#2	-9.8338	91.419	-3896.6	.00688	.01153	1.4564	.04419
#3	-4.7597	93.297	-3923.9	.00878	.00855	1.4574	.04429
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10754**	**.49221**	**.00098**	**.06071**	**1.6630**	**.00915**
Stddev	.00061	.00185	.00070	.00052	.0052	.00008
%RSD	.56364	.37658	71.751	.85439	.31118	.86428
#1	.10775	.49327	.00169	.06028	1.6584	.00913
#2	.10802	.49330	.00098	.06056	1.6621	.00909
#3	.10686	.49007	.00028	.06129	1.6686	.00924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64404.**	**72157.**
Stddev	198.	589.
%RSD	.30787	.81664
#1	64404.	71645.
#2	64603.	72023.
#3	64206.	72801.

Approved: April 05, 2011

Sample Name: L1103104310 Acquired: 4/4/2011 18:06:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00653**	**16.080**	**.03689**	**.02622**	**1.2616**	**.01099**	**61.058**
Stddev	.00023	.046	.00127	.00022	.0035	.00003	.063
%RSD	3.5825	.28706	3.4333	.84977	.27917	.27424	.10385
#1	.00638	16.030	.03576	.02648	1.2581	.01102	60.986
#2	.00680	16.121	.03666	.02610	1.2652	.01099	61.089
#3	.00640	16.089	.03826	.02608	1.2615	.01096	61.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.16045**	**.03911**	**3.2569**	**46.053**	**6.8435**	**.00549**
Stddev	.00006	.00049	.00025	.0069	.148	.0282	.00107
%RSD	.60738	.30714	.62719	.21195	.32123	.41257	19.509
#1	.00965	.16100	.03937	3.2646	45.897	6.8248	.00427
#2	.00955	.16029	.03888	3.2545	46.191	6.8297	.00627
#3	.00965	.16006	.03908	3.2514	46.069	6.8760	.00592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3849**	**5.8648**	**.00576**	**.29662**	**.01821**	**3.1895**	**1.6795**
Stddev	.0081	.0117	.00008	.00884	.00060	.0109	.0020
%RSD	.33915	.19915	1.4286	2.9816	3.3130	.34011	.12131
#1	2.3853	5.8528	.00579	.29379	.01806	3.1924	1.6799
#2	2.3928	5.8761	.00582	.30653	.01770	3.1987	1.6772
#3	2.3766	5.8654	.00567	.28954	.01888	3.1775	1.6812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104310 Acquired: 4/4/2011 18:06:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.3638**	F **104.10**	F **-2327.4**	**.00895**	**.00572**	**1.5976**	**.08368**
Stddev	1.1378	.28	8.9	.00067	.00150	.0091	.00036
%RSD	15.451	.26739	.38274	7.5054	26.227	.57086	.43277
#1	-6.1843	104.37	-2327.9	.00848	.00454	1.6015	.08407
#2	-8.4546	104.10	-2336.0	.00865	.00521	1.6041	.08335
#3	-7.4526	103.82	-2318.2	.00972	.00741	1.5872	.08361
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30416**	**.50342**	**.00188**	**.05817**	**.69080**	**.01114**
Stddev	.00048	.00065	.00145	.00020	.00355	.00004
%RSD	.15863	.12957	77.378	.34130	.51405	.39948
#1	.30362	.50296	.00101	.05829	.68897	.01110
#2	.30431	.50312	.00107	.05828	.68853	.01119
#3	.30455	.50416	.00355	.05794	.69489	.01114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64596.**	**72454.**
Stddev	170.	371.
%RSD	.26241	.51232
#1	64459.	72399.
#2	64785.	72113.
#3	64542.	72849.

Approved: April 05, 2011

Sample Name: L1103104311 Acquired: 4/4/2011 18:09:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**13.382**	**.02802**	**.02554**	**1.1018**	**.00506**	**143.47**
Stddev	.00041	.070	.00067	.00050	.0044	.00001	.85
%RSD	11.842	.52097	2.3968	1.9514	.39602	.28171	.59181
#1	.00300	13.365	.02808	.02517	1.0987	.00506	143.03
#2	.00362	13.323	.02732	.02534	1.1000	.00504	142.94
#3	.00377	13.459	.02866	.02611	1.1068	.00507	144.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**.11066**	**.03189**	**.87435**	**50.125**	**8.0569**	**.01365**
Stddev	.00005	.00010	.00010	.00045	.284	.0337	.00057
%RSD	1.4001	.09332	.32717	.05153	.56743	.41824	4.1515
#1	.00377	.11077	.03178	.87437	49.885	8.0461	.01430
#2	.00379	.11057	.03192	.87480	50.052	8.0299	.01338
#3	.00369	.11066	.03198	.87390	50.439	8.0947	.01327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.6145**	**4.7736**	**.00458**	**1.6910**	**.02235**	**2.8103**	**.70227**
Stddev	.0257	.0059	.00030	.0058	.00029	.0014	.00131
%RSD	.33703	.12397	6.6142	.34155	1.3091	.04906	.18605
#1	7.5959	4.7692	.00440	1.6865	.02264	2.8097	.70113
#2	7.6038	4.7714	.00441	1.6890	.02236	2.8119	.70199
#3	7.6438	4.7804	.00493	1.6975	.02206	2.8093	.70369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104311 Acquired: 4/4/2011 18:09:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.2055**	F **174.18**	F **-1699.2**	**.00687**	**.00326**	**2.0488**	**.02117**
Stddev	5.8286	.34	6.0	.00115	.00148	.0177	.00018
%RSD	264.28	.19256	.35164	16.727	45.429	.86644	.85810
#1	4.5221	173.93	-1698.7	.00816	.00299	2.0572	.02135
#2	-5.7363	174.06	-1693.5	.00650	.00194	2.0284	.02099
#3	-5.4022	174.56	-1705.4	.00595	.00486	2.0608	.02115
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16039**	**.36690**	**.00015**	**.05257**	**.38316**	**.00785**
Stddev	.00029	.00088	.00123	.00029	.00020	.00012
%RSD	.18275	.23970	827.80	.54659	.05294	1.5058
#1	.16035	.36589	.00104	.05230	.38306	.00772
#2	.16011	.36730	-.00126	.05253	.38302	.00787
#3	.16069	.36750	.00067	.05287	.38339	.00796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62988.**	**69805.**
Stddev	76.	367.
%RSD	.12004	.52524
#1	63064.	69562.
#2	62913.	70227.
#3	62989.	69627.

Approved: April 05, 2011

Sample Name: L1103104401 Acquired: 4/4/2011 18:12:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01271**	**20.857**	**.06616**	**.07145**	**1.3439**	**.00753**	**141.47**
Stddev	.00027	.218	.00152	.00065	.0055	.00002	1.03
%RSD	2.1066	1.0462	2.2976	.90818	.40715	.32707	.73082
#1	.01280	20.956	.06545	.07120	1.3478	.00750	142.14
#2	.01241	21.008	.06513	.07218	1.3462	.00753	142.00
#3	.01292	20.607	.06791	.07096	1.3377	.00755	140.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01362**	**.08615**	**.07630**	**2.6090**	**75.533**	**16.171**	**.01228**
Stddev	.00007	.00034	.00075	.0047	.232	.071	.00096
%RSD	.50536	.38973	.98035	.18183	.30745	.43825	7.7906
#1	.01358	.08645	.07617	2.6143	75.606	16.210	.01331
#2	.01370	.08578	.07563	2.6072	75.720	16.214	.01210
#3	.01359	.08622	.07711	2.6054	75.273	16.089	.01143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3861**	**11.839**	**.02140**	**1.2601**	**.05010**	**8.8098**	**1.6236**
Stddev	.0117	.023	.00009	.0083	.00056	.0076	.0027
%RSD	.18391	.19636	.41247	.65474	1.1270	.08665	.16554
#1	6.3828	11.845	.02143	1.2693	.04946	8.8168	1.6224
#2	6.3992	11.858	.02130	1.2579	.05053	8.8111	1.6217
#3	6.3764	11.813	.02147	1.2532	.05031	8.8016	1.6267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104401 Acquired: 4/4/2011 18:12:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.1220**	F **226.52**	F **-4917.6**	**.01081**	**.00834**	**2.6178**	**.04715**
Stddev	1.1609	.68	23.2	.00032	.00137	.0056	.00011
%RSD	54.709	.30056	.47247	2.9309	16.443	.21273	.23185
#1	-2.9853	227.21	-4943.9	.01088	.00706	2.6223	.04721
#2	-2.5784	225.84	-4909.0	.01109	.00818	2.6194	.04721
#3	-.80222	226.52	-4899.9	.01046	.00979	2.6116	.04702
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43743**	**.72840**	**.00826**	**.13410**	**1.4457**	**.01550**
Stddev	.00367	.00101	.00030	.00042	.0029	.00021
%RSD	.83795	.13902	3.5939	.31551	.19719	1.3376
#1	.43968	.72914	.00843	.13426	1.4467	.01528
#2	.43941	.72882	.00843	.13362	1.4425	.01551
#3	.43320	.72725	.00792	.13442	1.4480	.01570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63475.**	**70971.**
Stddev	180.	237.
%RSD	.28336	.33344
#1	63342.	70775.
#2	63680.	70905.
#3	63403.	71234.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:16:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41870**	**10.066**	**.41048**	**.51515**	**1.0000**	**.05145**	**9.9700**
Stddev	.00123	.070	.00039	.00330	.0018	.00021	.0437
%RSD	.29379	.69966	.09458	.63988	.18010	.40353	.43858
#1	.41748	10.056	.41033	.51263	.99851	.05133	9.9521
#2	.41867	10.141	.41019	.51393	1.0020	.05132	10.020
#3	.41994	10.001	.41092	.51888	.99956	.05169	9.9380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05249**	**.21032**	**.51785**	**.52064**	**4.0511**	**50.553**	**1.0118**
Stddev	.00014	.00015	.00338	.00081	.0022	.192	.0014
%RSD	.25862	.07317	.65251	.15495	.05334	.38014	.14360
#1	.05242	.21031	.51576	.52049	4.0534	50.461	1.0101
#2	.05264	.21017	.51603	.51992	4.0492	50.773	1.0125
#3	.05240	.21048	.52175	.52151	4.0505	50.423	1.0127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.329**	**.51105**	**1.0123**	**50.677**	**.51945**	**10.077**	**.52275**
Stddev	.022	.00060	.0014	.283	.00062	.002	.00118
%RSD	.21452	.11772	.13357	.55859	.11863	.02385	.22497
#1	10.316	.51066	1.0132	50.623	.51969	10.075	.52223
#2	10.354	.51175	1.0129	50.983	.51875	10.079	.52410
#3	10.316	.51075	1.0107	50.424	.51990	10.075	.52193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:16:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.233**	**10.560**	F **18.823**	**1.2458**	**.41593**	**5.1261**	**1.0335**
Stddev	5.774	.033	1.612	.0010	.00167	.0040	.0005
%RSD	31.667	.31039	8.5656	.07762	.40082	.07887	.04979
#1	11.669	10.524	18.938	1.2455	.41549	5.1233	1.0340
#2	20.503	10.587	20.375	1.2450	.41452	5.1242	1.0330
#3	22.526	10.571	17.156	1.2468	.41777	5.1307	1.0334
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0001**	**1.0082**	**.53092**	**1.0350**	**1.0289**	**1.0242**
Stddev	.0046	.0020	.00066	.0056	.0007	.0097
%RSD	.45452	.20025	.12479	.54283	.06439	.94340
#1	.99919	1.0062	.53164	1.0311	1.0295	1.0174
#2	1.0051	1.0102	.53079	1.0323	1.0282	1.0199
#3	.99615	1.0082	.53034	1.0414	1.0288	1.0353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63645.**	**68103.**
Stddev	63.	317.
%RSD	.09975	.46612
#1	63709.	68396.
#2	63644.	67766.
#3	63582.	68146.

Approved: April 05, 2011

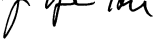
Sample Name: CCB Acquired: 4/4/2011 18:19:46 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00813**	**.00001**	**.00142**	**.00019**	**.00001**	**-.01249**
Stddev	.00023	.00434	.00103	.00038	.00008	.00003	.00364
%RSD	24.651	53.362	12790.	26.859	44.548	466.96	29.148
#1	-.00103	.00312	-.00101	.00180	.00027	.00000	-.01009
#2	-.00068	.01080	.00105	.00141	.00019	-.00002	-.01668
#3	-.00112	.01047	-.00002	.00104	.00011	.00004	-.01071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00006**	**.00008**	**-.00028**	**.00661**	**.12295**	**-.00051**
Stddev	.00003	.00009	.00037	.00009	.00056	.01722	.00200
%RSD	40.694	158.49	494.93	31.892	8.5250	14.006	395.23
#1	.00004	.00014	.00022	-.00027	.00617	.13637	-.00037
#2	.00009	-.00003	-.00035	-.00020	.00641	.12895	-.00257
#3	.00008	.00006	.00036	-.00038	.00724	.10353	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00379**	**.00027**	**.00019**	**.00770**	**.00018**	**-.00013**	**-.00104**
Stddev	.01184	.00020	.00011	.01268	.00036	.00283	.00048
%RSD	312.29	74.017	61.561	164.66	199.65	2189.7	45.703
#1	-.00470	.00038	.00030	.00701	.00058	.00021	-.00055
#2	.00848	.00038	.00008	.02070	.00009	.00251	-.00150
#3	-.01515	.00004	.00018	-.00462	-.00012	-.00311	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: CCB Acquired: 4/4/2011 18:19:46 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.782**	**-.11596**	F **9.0536**	**.00031**	**-.00140**	**.00092**	**-.00072**
Stddev	1.369	.01959	2.8655	.00069	.00105	.00067	.00016
%RSD	8.1592	16.893	31.650	224.14	74.792	72.629	22.040
#1	18.173	-.12913	5.9408	.00107	-.00249	.00089	-.00054
#2	16.736	-.12529	9.6385	-.00029	-.00040	.00161	-.00084
#3	15.436	-.09344	11.582	.00015	-.00130	.00027	-.00077
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00084**	**-.00161**	**.00017**	**-.00022**	**.00007**
Stddev	.00001	.00055	.00054	.00017	.00007	.00010
%RSD	89.946	65.186	33.335	100.78	32.418	161.21
#1	.00001	-.00091	-.00192	.00006	-.00029	.00000
#2	.00001	-.00135	-.00099	.00036	-.00023	.00001
#3	.00003	-.00026	-.00191	.00008	-.00015	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65466.**	**69023.**
Stddev	145.	418.
%RSD	.22220	.60627
#1	65633.	69077.
#2	65397.	68580.
#3	65368.	69412.

Approved: April 05, 2011

Sample Name: PBS 42 Acquired: 4/4/2011 18:23:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00915**	**-.00135**	**.00101**	**.00090**	**.00002**	**.04951**
Stddev	.00023	.00548	.00104	.00070	.00019	.00001	.00593
%RSD	38.285	59.957	77.291	69.482	21.277	56.540	11.974
#1	-.00044	.01069	-.00244	.00125	.00109	.00003	.05122
#2	-.00050	.00306	-.00037	.00156	.00071	.00001	.04291
#3	-.00087	.01370	-.00123	.00022	.00089	.00003	.05439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00043**	**.00086**	**.00116**	**.01637**	**.13768**	**-.00169**
Stddev	.00003	.00014	.00029	.00012	.00360	.01205	.00058
%RSD	11.857	32.481	33.962	10.294	21.991	8.7542	34.445
#1	.00024	-.00028	.00113	.00130	.02010	.12880	-.00236
#2	.00019	-.00046	.00091	.00108	.01608	.13284	-.00143
#3	.00024	-.00055	.00055	.00112	.01292	.15140	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03281**	**.00042**	**.00030**	**.03350**	**.00072**	F **-.00535**	**.00008**
Stddev	.00638	.00038	.00007	.00358	.00017	.00223	.00088
%RSD	19.457	89.987	24.436	10.683	22.837	41.625	1068.8
#1	.03820	.00085	.00024	.03118	.00069	-.00708	-.00093
#2	.02576	.00016	.00038	.03169	.00090	-.00284	.00067
#3	.03446	.00025	.00027	.03762	.00057	-.00613	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: PBS 42 Acquired: 4/4/2011 18:23:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.1616**	**.24790**	F **-10.581**	**.00270**	**-.00009**	**.01236**	**-.00022**
Stddev	6.1832	.02207	2.239	.00026	.00129	.00278	.00014
%RSD	75.759	8.9044	21.161	9.4887	1463.8	22.500	64.717
#1	12.234	.25412	-12.757	.00290	-.00058	.01547	-.00036
#2	11.204	.22339	-10.704	.00241	.00138	.01152	-.00023
#3	1.0468	.26620	-8.2833	.00280	-.00107	.01010	-.00007
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.0000				
Low Limit			-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00017**	**-.00307**	**.00029**	**.00325**	**.00002**
Stddev	.00006	.00080	.00027	.00005	.00002	.00004
%RSD	26.636	469.83	8.7888	15.851	.57566	165.05
#1	.00031	.00074	-.00285	.00027	.00325	.00003
#2	.00022	-.00053	-.00299	.00034	.00324	.00006
#3	.00019	-.00072	-.00337	.00025	.00327	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63218.**	**67871.**
Stddev	49.	438.
%RSD	.07758	.64546
#1	63171.	67374.
#2	63269.	68037.
#3	63213.	68202.

Approved: April 05, 2011

Sample Name: LCSS 42 Acquired: 4/4/2011 18:27:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20195**	**4.8734**	**.19258**	**.91275**	**.48970**	**.02522**	**4.8527**
Stddev	.00099	.0298	.00225	.00375	.00199	.00016	.0224
%RSD	.48937	.61068	1.1693	.41126	.40646	.63524	.46234
#1	.20085	4.8447	.19042	.90860	.49103	.02504	4.8602
#2	.20275	4.9042	.19241	.91374	.49067	.02527	4.8705
#3	.20226	4.8713	.19492	.91591	.48741	.02535	4.8275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02508**	**.10585**	**.25930**	**.25741**	**1.9645**	**24.577**	**.49591**
Stddev	.00031	.00086	.00049	.00215	.0052	.085	.00137
%RSD	1.2180	.81611	.18726	.83563	.26608	.34758	.27716
#1	.02473	.10485	.25878	.25492	1.9660	24.538	.49733
#2	.02525	.10636	.25973	.25875	1.9688	24.675	.49459
#3	.02527	.10633	.25939	.25854	1.9587	24.518	.49579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0381**	**.25113**	**.51229**	**24.838**	**.25992**	**-.00355**	**.25740**
Stddev	.0172	.00130	.00020	.109	.00235	.00323	.00067
%RSD	.34122	.51689	.03949	.43720	.90275	91.047	.25902
#1	5.0184	.24963	.51228	24.739	.25744	-.00626	.25750
#2	5.0459	.25189	.51250	24.954	.26023	.00003	.25669
#3	5.0499	.25186	.51210	24.820	.26210	-.00442	.25801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: LCSS 42 Acquired: 4/4/2011 18:27:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9180**	**5.3988**	F **-1.2338**	**.59266**	**.18937**	**2.5177**	**.51447**
Stddev	5.7228	.0203	2.5132	.00188	.00102	.0017	.00041
%RSD	72.275	.37662	203.70	.31656	.54043	.06845	.08024
#1	10.875	5.4185	-2.1348	.59422	.19049	2.5172	.51400
#2	11.557	5.3999	1.6058	.59058	.18848	2.5162	.51471
#3	1.3216	5.3779	-3.1722	.59319	.18914	2.5196	.51471
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.0000				
Low Limit			-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49155**	**.50051**	**.25479**	**.52472**	**.50398**	**.51165**
Stddev	.00164	.00201	.00046	.00257	.00107	.00211
%RSD	.33459	.40213	.18171	.49030	.21213	.41185
#1	.49081	.50011	.25425	.52175	.50275	.50922
#2	.49343	.50269	.25501	.52617	.50468	.51303
#3	.49040	.49873	.25510	.52624	.50451	.51269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61669.**	**67773.**
Stddev	95.	469.
%RSD	.15335	.69243
#1	61776.	67782.
#2	61596.	67300.
#3	61636.	68238.

Approved: April 05, 2011

Sample Name: L1103093020 Acquired: 4/4/2011 18:30:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00942**	**196.87**	**.18579**	**.21673**	**4.8453**	**.02598**	**123.60**
Stddev	.00036	.41	.00058	.00379	.0945	.00012	.29
%RSD	3.8013	.20632	.31072	1.7465	1.9497	.46291	.23492
#1	.00915	197.15	.18567	.21641	4.9498	.02603	123.78
#2	.00982	197.05	.18642	.22066	4.8201	.02606	123.75
#3	.00927	196.40	.18529	.21311	4.7659	.02584	123.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01839**	**.49008**	**.32382**	**.58680**	**583.10**	**13.002**	**.11202**
Stddev	.00011	.00126	.00201	.00239	4.12	.030	.00002
%RSD	.57622	.25811	.62053	.40794	.70742	.22795	.01754
#1	.01842	.49075	.32438	.58854	582.76	13.033	.11202
#2	.01848	.49086	.32550	.58779	587.38	12.975	.11201
#3	.01827	.48862	.32159	.58407	579.15	12.997	.11205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.420**	**44.194**	**.01703**	**1.4712**	**.46805**	**4.4270**	**.91999**
Stddev	.116	.637	.00031	.0062	.00119	.0076	.00091
%RSD	.39478	1.4412	1.8492	.41934	.25408	.17218	.09927
#1	29.368	44.576	.01703	1.4703	.46932	4.4335	.92004
#2	29.553	44.547	.01671	1.4777	.46696	4.4290	.92088
#3	29.339	43.459	.01734	1.4655	.46788	4.4186	.91906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093020 Acquired: 4/4/2011 18:30:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.4998**	F **309.48**	F **-10912.**	**.01489**	**.02235**	**2.3936**	**.01729**
Stddev	3.5130	1.13	36.	.00086	.00153	.0062	.00019
%RSD	41.330	.36551	.32837	5.7493	6.8667	.26058	1.1077
#1	-9.6099	310.23	-10917.	.01491	.02304	2.4006	.01736
#2	-4.5659	310.03	-10946.	.01574	.02059	2.3914	.01743
#3	-11.324	308.18	-10874.	.01402	.02342	2.3887	.01707
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77318**	**.12168**	**.03596**	**.65279**	**2.5246**	**.11797**
Stddev	.00191	.00056	.00063	.00321	.0019	.00144
%RSD	.24657	.45710	1.7585	.49230	.07443	1.2172
#1	.77365	.12126	.03534	.65356	2.5266	.11826
#2	.77481	.12231	.03594	.65555	2.5243	.11925
#3	.77109	.12147	.03661	.64926	2.5229	.11642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63005.**	**73197.**
Stddev	181.	679.
%RSD	.28759	.92774
#1	62875.	72885.
#2	62927.	72730.
#3	63212.	73976.

Approved: April 05, 2011

Sample Name: L1103093020PS Acquired: 4/4/2011 18:34:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360746-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21603**	**181.54**	**.36406**	**1.0906**	**4.8459**	**.04886**	**115.75**
Stddev	.00039	1.68	.00060	.0028	.0797	.00021	.90
%RSD	.18069	.92739	.16398	.25992	1.6449	.42349	.77756
#1	.21648	182.75	.36454	1.0933	4.9260	.04902	116.50
#2	.21575	182.26	.36425	1.0909	4.8450	.04863	116.00
#3	.21587	179.62	.36339	1.0876	4.7666	.04893	114.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04124**	**.54200**	**.54032**	**.77528**	**525.65**	**35.718**	**.58852**
Stddev	.00002	.00054	.00195	.00076	6.31	.218	.00334
%RSD	.03938	.09981	.36058	.09777	1.2010	.61072	.56768
#1	.04126	.54261	.54112	.77571	526.75	35.890	.59222
#2	.04123	.54183	.53810	.77440	531.35	35.792	.58762
#3	.04123	.54157	.54174	.77572	518.87	35.473	.58572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.080**	**40.058**	**.50279**	**25.664**	**.66359**	**4.0537**	**1.0676**
Stddev	.146	.316	.00076	.163	.00051	.0079	.0009
%RSD	.47053	.78996	.15097	.63617	.07634	.19593	.08179
#1	31.215	40.277	.50314	25.753	.66354	4.0564	1.0676
#2	31.099	39.695	.50332	25.763	.66312	4.0447	1.0684
#3	30.924	40.201	.50192	25.475	.66413	4.0598	1.0667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093020PS Acquired: 4/4/2011 18:34:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360746-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.583**	F **287.99**	F **-10089.**	**.58703**	**.21387**	**4.6235**	**.01623**
Stddev	1.745	.32	20.	.00087	.00042	.0058	.00033
%RSD	11.969	.11231	.19978	.14795	.19616	.12624	2.0183
#1	-14.145	288.25	-10097.	.58744	.21421	4.6289	.01630
#2	-16.506	287.63	-10067.	.58761	.21400	4.6244	.01651
#3	-13.099	288.09	-10105.	.58603	.21340	4.6173	.01587
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1740**	**.58832**	**.26066**	**1.0982**	**2.7554**	**.63839**
Stddev	.0072	.00283	.00132	.0032	.0032	.00104
%RSD	.61555	.48129	.50702	.28920	.11545	.16362
#1	1.1791	.59140	.26166	1.0997	2.7582	.63877
#2	1.1772	.58773	.26116	1.0945	2.7561	.63721
#3	1.1657	.58583	.25916	1.1003	2.7519	.63919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62360.**	**73402.**
Stddev	130.	559.
%RSD	.20826	.76111
#1	62222.	72818.
#2	62480.	73456.
#3	62378.	73931.

Approved: April 05, 2011

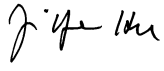
Sample Name: L1103093020SDL Acquired: 4/4/2011 18:37:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**40.219**	**.03921**	**.04861**	**.98948**	**.00529**	**25.186**
Stddev	.00017	.301	.00043	.00075	.00173	.00004	.100
%RSD	9.6790	.74775	1.1014	1.5469	.17436	.74936	.39836
#1	.00196	40.564	.03965	.04883	.99138	.00528	25.301
#2	.00162	40.018	.03917	.04922	.98908	.00534	25.132
#3	.00177	40.073	.03879	.04777	.98800	.00526	25.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00392**	**.10729**	**.06734**	**.12962**	**123.50**	**2.8028**	**.02178**
Stddev	.00001	.00036	.00077	.00086	.29	.0095	.00088
%RSD	.17602	.33904	1.1437	.66504	.23880	.33788	4.0565
#1	.00392	.10735	.06670	.12938	123.79	2.8089	.02111
#2	.00392	.10761	.06819	.13058	123.50	2.8076	.02278
#3	.00391	.10690	.06711	.12891	123.20	2.7919	.02145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3638**	**9.4243**	**.00336**	**.31020**	**.10335**	**1.0029**	**.21223**
Stddev	.0164	.0152	.00013	.00163	.00038	.0037	.00025
%RSD	.25748	.16174	3.9122	.52400	.36557	.37231	.11808
#1	6.3577	9.4419	.00328	.30874	.10297	.99961	.21195
#2	6.3514	9.4153	.00328	.30990	.10372	1.0022	.21233
#3	6.3824	9.4158	.00351	.31195	.10338	1.0070	.21242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1103093020SDL Acquired: 4/4/2011 18:37:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.745**	F **71.136**	F **-2448.4**	**.00277**	**.00278**	**.53092**	**.00305**
Stddev	2.492	.244	10.1	.00133	.00098	.00113	.00025
%RSD	19.552	.34345	.41312	48.025	35.286	.21280	8.3678
#1	12.954	71.108	-2447.2	.00258	.00285	.53069	.00334
#2	15.126	71.393	-2459.0	.00419	.00372	.52992	.00292
#3	10.156	70.906	-2438.9	.00155	.00176	.53214	.00288
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15638**	**.02436**	**.00799**	**.13299**	**.54775**	**.02253**
Stddev	.00072	.00079	.00051	.00036	.00098	.00037
%RSD	.46138	3.2549	6.3272	.26945	.17809	1.6443
#1	.15720	.02450	.00761	.13261	.54664	.02224
#2	.15614	.02507	.00779	.13304	.54811	.02239
#3	.15582	.02350	.00857	.13332	.54849	.02294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65721.**	**71983.**
Stddev	132.	322.
%RSD	.20017	.44739
#1	65848.	72291.
#2	65585.	72008.
#3	65731.	71649.

Approved: April 05, 2011

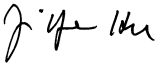
Sample Name: L1103093020SDL Acquired: 4/4/2011 18:41:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**8.0937**	**.00847**	**.01010**	**.19651**	**.00108**	**5.0491**
Stddev	.00025	.0623	.00042	.00058	.00156	.00002	.0253
%RSD	75.375	.77002	4.9315	5.7413	.79348	1.7751	.50137
#1	-.00004	8.1646	.00816	.01069	.19820	.00106	5.0782
#2	-.00044	8.0479	.00894	.01009	.19512	.00108	5.0368
#3	-.00050	8.0684	.00831	.00953	.19621	.00110	5.0322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.02266**	**.01392**	**.02752**	**24.796**	**.60837**	**.00378**
Stddev	.00010	.00006	.00039	.00040	.155	.00645	.00161
%RSD	14.281	.27462	2.7678	1.4549	.62599	1.0602	42.511
#1	.00079	.02268	.01416	.02777	24.975	.60339	.00537
#2	.00059	.02271	.01348	.02774	24.705	.60606	.00380
#3	.00068	.02259	.01413	.02706	24.707	.61565	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3056**	**1.9092**	**.00047**	**.04675**	**.02122**	**.21433**	**.04421**
Stddev	.0097	.0078	.00026	.00435	.00051	.00112	.00015
%RSD	.74139	.40725	55.994	9.2995	2.3913	.52075	.33633
#1	1.3162	1.9181	.00070	.04364	.02180	.21561	.04423
#2	1.2973	1.9036	.00053	.05172	.02097	.21383	.04434
#3	1.3032	1.9059	.00018	.04489	.02088	.21356	.04404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1103093020SDL Acquired: 4/4/2011 18:41:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **20.654**	F **15.349**	F **-515.90**	**-.00017**	**-.00079**	**.10564**	**-.00018**
Stddev	4.464	.023	4.35	.00098	.00114	.00074	.00011
%RSD	21.613	.14677	.84387	567.03	145.05	.70020	58.992
#1	24.091	15.344	-520.63	-.00130	-.00205	.10543	-.00023
#2	22.262	15.374	-515.03	.00035	-.00046	.10646	-.00025
#3	15.609	15.329	-512.05	.00043	.00016	.10503	-.00006
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03175**	**.00498**	**.00225**	**.02731**	**.11580**	**.00376**
Stddev	.00014	.00079	.00165	.00009	.00050	.00011
%RSD	.45391	15.770	73.466	.32700	.43310	2.9572
#1	.03188	.00411	.00246	.02722	.11541	.00373
#2	.03177	.00517	.00050	.02732	.11561	.00388
#3	.03160	.00565	.00379	.02739	.11636	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65969.**	**71092.**
Stddev	100.	396.
%RSD	.15158	.55707
#1	66076.	70636.
#2	65954.	71284.
#3	65877.	71355.

Approved: April 05, 2011

Sample Name: L1103093021 Acquired: 4/4/2011 18:44:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00628**	**190.13**	**.19462**	**.22611**	**4.4117**	**.02709**	**145.64**
Stddev	.00032	1.48	.00143	.00569	.0942	.00013	.83
%RSD	5.1616	.77734	.73704	2.5186	2.1346	.46311	.57169
#1	.00665	191.37	.19354	.22938	4.3366	.02708	146.38
#2	.00618	190.52	.19625	.22941	4.5173	.02697	145.79
#3	.00602	188.49	.19408	.21954	4.3811	.02722	144.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02047**	**.39489**	**.31428**	**.75326**	**596.45**	**11.677**	**.10112**
Stddev	.00011	.00191	.00137	.00486	11.72	.041	.00079
%RSD	.52395	.48327	.43493	.64543	1.9644	.35283	.77710
#1	.02052	.39368	.31418	.75038	601.47	11.722	.10110
#2	.02053	.39709	.31297	.75888	604.83	11.669	.10192
#3	.02034	.39390	.31569	.75054	583.06	11.641	.10035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.992**	**28.811**	**.02195**	**1.7074**	**.46397**	**4.3054**	**1.1705**
Stddev	.023	.093	.00026	.0146	.00072	.0067	.0013
%RSD	.08602	.32254	1.1798	.85382	.15443	.15608	.10726
#1	26.972	28.903	.02165	1.7242	.46377	4.2981	1.1692
#2	27.018	28.814	.02214	1.6997	.46476	4.3068	1.1707
#3	26.987	28.717	.02205	1.6983	.46337	4.3113	1.1717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093021 Acquired: 4/4/2011 18:44:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.051**	F **462.99**	F **-18892.**	**.01834**	**.02115**	**2.8186**	**.02036**
Stddev	3.076	2.62	124.	.00109	.00119	.0082	.00016
%RSD	25.525	.56641	.65793	5.9423	5.6473	.29030	.76832
#1	-13.618	461.86	-18847.	.01708	.01978	2.8193	.02050
#2	-8.5069	465.99	-19032.	.01888	.02191	2.8265	.02038
#3	-14.027	461.13	-18796.	.01905	.02177	2.8102	.02019
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68969**	**.13725**	**.02665**	**.63271**	**2.8365**	**.11259**
Stddev	.00451	.00089	.00234	.00045	.0071	.00042
%RSD	.65429	.64696	8.7869	.07131	.25062	.37392
#1	.69380	.13636	.02881	.63260	2.8285	.11306
#2	.69040	.13814	.02699	.63320	2.8422	.11226
#3	.68486	.13725	.02416	.63232	2.8387	.11245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61985.**	**72929.**
Stddev	192.	449.
%RSD	.31023	.61513
#1	62034.	72543.
#2	61773.	72823.
#3	62148.	73421.

Approved: April 05, 2011

Sample Name: L1103093021S Acquired: 4/4/2011 18:48:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19163**	**223.77**	**.38663**	**.78787**	**5.7086**	**.04917**	**480.47**
Stddev	.00031	1.54	.00334	.00430	.1053	.00026	5.34
%RSD	.16155	.68831	.86517	.54548	1.8450	.51893	1.1119
#1	.19139	223.07	.38644	.78877	5.6026	.04889	475.91
#2	.19153	222.71	.39007	.79164	5.7099	.04924	479.13
#3	.19198	225.54	.38338	.78319	5.8132	.04938	486.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05185**	**.53197**	**.56277**	**1.0504**	**604.97**	**35.502**	**.57024**
Stddev	.00010	.00098	.00243	.0015	1.87	.143	.00198
%RSD	.19160	.18464	.43205	.13868	.30838	.40281	.34742
#1	.05192	.53250	.55997	1.0502	606.32	35.414	.56839
#2	.05189	.53258	.56399	1.0519	605.75	35.425	.57001
#3	.05173	.53084	.56434	1.0490	602.84	35.667	.57233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.396**	**36.054**	**.44749**	**23.426**	**.68722**	**4.7711**	**1.4172**
Stddev	.138	.382	.00056	.141	.00171	.0155	.0027
%RSD	.32433	1.0602	.12491	.60221	.24914	.32406	.18834
#1	42.327	36.484	.44791	23.370	.68593	4.7707	1.4173
#2	42.307	35.753	.44769	23.322	.68916	4.7868	1.4198
#3	42.555	35.925	.44685	23.587	.68656	4.7559	1.4144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093021S Acquired: 4/4/2011 18:48:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.557**	F **755.39**	F **-15682.**	**.51314**	**.17837**	**8.8071**	**.43393**
Stddev	1.393	1.44	40.	.00180	.00045	.0340	.00088
%RSD	8.9554	.18999	.25220	.35069	.25316	.38614	.20199
#1	-16.814	756.34	-15726.	.51466	.17849	8.8348	.43437
#2	-14.059	756.09	-15668.	.51360	.17875	8.8174	.43450
#3	-15.798	753.74	-15651.	.51115	.17787	8.7691	.43292
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1524**	**.58586**	**.22421**	**1.1615**	**4.0669**	**.32257**
Stddev	.0105	.00101	.00065	.0013	.0102	.00115
%RSD	.48576	.17156	.29018	.11373	.25119	.35598
#1	2.1484	.58470	.22470	1.1600	4.0629	.32203
#2	2.1445	.58643	.22445	1.1617	4.0785	.32389
#3	2.1642	.58646	.22347	1.1626	4.0594	.32180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59842.**	**72545.**
Stddev	80.	404.
%RSD	.13368	.55634
#1	59851.	72219.
#2	59758.	72997.
#3	59918.	72419.

Approved: April 05, 2011

Sample Name: L1103093021SD Acquired: 4/4/2011 18:52:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18222**	**186.25**	**.34224**	**.75641**	**4.2136**	**.04483**	**215.90**
Stddev	.00120	.59	.00091	.00310	.0071	.00030	.33
%RSD	.66098	.31504	.26568	.40944	.16830	.68033	.15444
#1	.18327	185.63	.34304	.75401	4.2209	.04475	215.54
#2	.18250	186.32	.34244	.75990	4.2129	.04516	215.96
#3	.18091	186.80	.34125	.75531	4.2068	.04456	216.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04343**	**.37972**	**.56035**	**1.0160**	**499.66**	**32.026**	**.51413**
Stddev	.00017	.00022	.00511	.0028	4.76	.077	.00112
%RSD	.39584	.05873	.91106	.27973	.95276	.23990	.21770
#1	.04323	.37989	.56096	1.0179	495.24	31.940	.51510
#2	.04352	.37980	.56513	1.0174	499.05	32.087	.51437
#3	.04354	.37947	.55497	1.0127	504.70	32.051	.51290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.094**	**23.008**	**.43391**	**22.102**	**.62457**	**4.2861**	**1.3729**
Stddev	.065	.218	.00039	.093	.00193	.0166	.0052
%RSD	.20922	.94682	.09066	.42060	.30896	.38633	.37977
#1	31.023	22.760	.43401	21.995	.62619	4.2972	1.3764
#2	31.109	23.096	.43425	22.146	.62508	4.2941	1.3755
#3	31.151	23.167	.43348	22.165	.62243	4.2671	1.3669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093021SD Acquired: 4/4/2011 18:52:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.9523**	F **485.45**	F **-15949.**	**.48972**	**.16274**	**7.7299**	**.42489**
Stddev	6.0081	.59	22.	.00189	.00343	.0124	.00021
%RSD	67.113	.12253	.14100	.38572	2.1047	.16042	.05033
#1	-2.4784	486.07	-15973.	.49035	.16062	7.7411	.42486
#2	-10.030	485.40	-15928.	.49122	.16669	7.7319	.42469
#3	-14.349	484.88	-15945.	.48760	.16090	7.7166	.42511
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2965**	**.55650**	**.21343**	**1.0271**	**3.9534**	**.33456**
Stddev	.0034	.00052	.00197	.0044	.0039	.00305
%RSD	.25936	.09256	.92202	.42638	.09756	.91237
#1	1.2926	.55601	.21363	1.0268	3.9515	.33560
#2	1.2980	.55704	.21528	1.0317	3.9578	.33695
#3	1.2988	.55647	.21136	1.0229	3.9508	.33112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61242.**	**72836.**
Stddev	150.	261.
%RSD	.24420	.35840
#1	61249.	73081.
#2	61089.	72561.
#3	61388.	72865.

Approved: April 05, 2011

Sample Name: L1103082906 Acquired: 4/4/2011 18:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**132.57**	**.14617**	**.11700**	**1.7399**	**.01305**	**122.51**
Stddev	.00014	.33	.00158	.00243	.0008	.00003	.28
%RSD	3.8871	.24606	1.0791	2.0808	.04627	.20948	.23066
#1	.00377	132.39	.14706	.11428	1.7389	.01308	122.33
#2	.00381	132.95	.14711	.11898	1.7404	.01304	122.83
#3	.00355	132.38	.14435	.11773	1.7402	.01303	122.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00522**	**.11750**	**.29341**	**.14325**	**335.13**	**5.8872**	**.06989**
Stddev	.00006	.00045	.00069	.00138	3.73	.0321	.00063
%RSD	1.1911	.38270	.23653	.96114	1.1122	.54433	.90764
#1	.00516	.11778	.29416	.14475	330.89	5.8654	.06954
#2	.00528	.11775	.29328	.14295	337.89	5.9240	.06950
#3	.00521	.11698	.29279	.14204	336.61	5.8723	.07062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.086**	**6.3591**	**.01483**	**2.4929**	**.11164**	**2.8391**	**.33544**
Stddev	.023	.0091	.00009	.0091	.00026	.0124	.00035
%RSD	.11276	.14299	.63710	.36574	.23579	.43709	.10421
#1	20.085	6.3530	.01472	2.4828	.11154	2.8495	.33503
#2	20.065	6.3696	.01489	2.5006	.11194	2.8425	.33560
#3	20.110	6.3548	.01487	2.4953	.11144	2.8254	.33567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082906 Acquired: 4/4/2011 18:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.9393**	F **241.43**	F **-6821.9**	**.01275**	**.01459**	**2.0460**	**.00967**
Stddev	3.2700	.89	48.8	.00030	.00009	.0053	.00012
%RSD	47.122	.36852	.71467	2.3185	.59505	.25715	1.2091
#1	-9.4029	242.11	-6870.6	.01293	.01455	2.0519	.00980
#2	-8.1857	241.75	-6822.2	.01291	.01453	2.0446	.00957
#3	-3.2295	240.42	-6773.0	.01241	.01469	2.0416	.00963
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72331**	**.22783**	**.01556**	**.59385**	**.39608**	**.11875**
Stddev	.00225	.00160	.00129	.00182	.00037	.00072
%RSD	.31046	.70081	8.2825	.30573	.09318	.60474
#1	.72217	.22695	.01704	.59483	.39593	.11877
#2	.72590	.22967	.01465	.59497	.39650	.11946
#3	.72186	.22686	.01499	.59176	.39582	.11802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61350.**	**72152.**
Stddev	192.	339.
%RSD	.31285	.46991
#1	61170.	71766.
#2	61329.	72287.
#3	61552.	72402.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:59:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42016**	**9.8907**	**.40981**	**.51650**	**.98667**	**.05132**	**9.8074**
Stddev	.00028	.1026	.00032	.00186	.00561	.00030	.0597
%RSD	.06740	1.0370	.07770	.36057	.56829	.58671	.60881
#1	.41984	9.7724	.40963	.51514	.98048	.05112	9.7389
#2	.42038	9.9434	.40962	.51862	.99141	.05166	9.8488
#3	.42025	9.9561	.41018	.51574	.98813	.05117	9.8344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05245**	**.21031**	**.51692**	**.52183**	**4.0201**	**49.893**	**1.0042**
Stddev	.00013	.00062	.00400	.00053	.0275	.329	.0028
%RSD	.24676	.29248	.77395	.10232	.68304	.65866	.28279
#1	.05230	.20966	.51358	.52159	3.9899	49.516	1.0010
#2	.05250	.21088	.52136	.52245	4.0436	50.121	1.0064
#3	.05254	.21039	.51583	.52147	4.0268	50.042	1.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.280**	**.50721**	**1.0089**	**50.043**	**.51969**	**10.066**	**.52473**
Stddev	.039	.00176	.0024	.361	.00040	.008	.00026
%RSD	.38220	.34606	.23850	.72042	.07645	.07770	.04899
#1	10.240	.50520	1.0114	49.626	.51934	10.068	.52495
#2	10.282	.50840	1.0066	50.253	.51962	10.057	.52479
#3	10.318	.50804	1.0086	50.249	.52012	10.072	.52445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:59:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.084**	**10.568**	F **15.259**	**1.2422**	**.41570**	**5.1105**	**1.0351**
Stddev	1.890	.092	1.384	.0016	.00370	.0058	.0006
%RSD	9.9058	.87303	9.0683	.13238	.89038	.11294	.06095
#1	17.039	10.590	14.602	1.2418	.41309	5.1074	1.0344
#2	19.445	10.647	16.848	1.2409	.41994	5.1171	1.0352
#3	20.768	10.466	14.325	1.2441	.41407	5.1069	1.0356
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98601**	**.99989**	**.53225**	**1.0368**	**1.0303**	**1.0227**
Stddev	.00777	.00598	.00163	.0043	.0024	.0070
%RSD	.78810	.59828	.30667	.41152	.23152	.68400
#1	.97704	.99299	.53336	1.0357	1.0275	1.0187
#2	.99073	1.0036	.53300	1.0415	1.0318	1.0308
#3	.99026	1.0031	.53037	1.0331	1.0315	1.0186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63414.**	**68496.**
Stddev	268.	332.
%RSD	.42326	.48447
#1	63693.	68745.
#2	63157.	68625.
#3	63393.	68120.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:02:49 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**-.02041**	**-.00054**	**.00160**	**.00024**	**.00001**	**-.01383**
Stddev	.00060	.01070	.00055	.00064	.00002	.00001	.00365
%RSD	59.300	52.425	100.47	40.116	9.4937	232.36	26.380
#1	-.00161	-.03091	-.00116	.00201	.00027	-.00001	-.01068
#2	-.00041	-.00952	-.00034	.00193	.00024	.00001	-.01298
#3	-.00102	-.02081	-.00013	.00086	.00022	.00001	-.01783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00007**	**.00048**	**-.00005**	**.00544**	**.17636**	**-.00090**
Stddev	.00008	.00018	.00008	.00006	.00006	.00839	.00071
%RSD	117.15	248.61	17.368	120.79	1.1876	4.7557	78.733
#1	.00014	.00027	.00039	.00000	.00549	.18167	-.00070
#2	-.00001	-.00007	.00054	-.00011	.00537	.16669	-.00032
#3	.00007	.00002	.00053	-.00004	.00547	.18072	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**.00028**	**.00017**	**.00461**	**-.00039**	**.00109**	**-.00037**
Stddev	.00599	.00011	.00027	.00791	.00030	.00175	.00028
%RSD	160.17	38.352	155.84	171.68	77.374	160.23	76.990
#1	.00846	.00039	.00020	.00815	-.00010	.00217	-.00069
#2	.00576	.00026	.00042	-.00445	-.00037	-.00093	-.00015
#3	-.00300	.00018	-.00011	.01012	-.00070	.00203	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:02:49 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.904**	F **-.12982**	F **6.8272**	**.00131**	**-.00099**	**.00172**	**-.00084**
Stddev	1.929	.01023	2.1974	.00038	.00036	.00047	.00022
%RSD	10.205	7.8825	32.186	29.257	36.687	27.277	26.332
#1	17.064	-.11974	5.1485	.00113	-.00141	.00178	-.00062
#2	20.911	-.14020	9.3143	.00175	-.00085	.00215	-.00084
#3	18.738	-.12952	6.0187	.00105	-.00072	.00122	-.00107
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00099**	**-.00112**	**.00015**	**-.00030**	**-.00002**
Stddev	.00010	.00146	.00182	.00005	.00005	.00014
%RSD	132.60	147.43	163.01	34.312	15.789	639.56
#1	.00003	.00035	.00097	.00013	-.00028	.00013
#2	-.00018	-.00077	-.00196	.00011	-.00027	-.00013
#3	-.00008	-.00254	-.00237	.00020	-.00036	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63719.**	**68262.**
Stddev	91.	270.
%RSD	.14221	.39488
#1	63743.	68132.
#2	63619.	68572.
#3	63796.	68083.

Approved: April 05, 2011

Sample Name: L1103082907 Acquired: 4/4/2011 19:06:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**88.906**	**.15244**	**.09902**	**1.4074**	**.01210**	**715.09**
Stddev	.00058	.798	.00211	.00226	.0070	.00003	9.56
%RSD	27.754	.89774	1.3851	2.2841	.49506	.26138	1.3363
#1	.00142	88.792	.15165	.10103	1.4029	.01209	711.67
#2	.00234	88.171	.15483	.09947	1.4039	.01214	707.72
#3	.00248	89.755	.15083	.09657	1.4155	.01208	725.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00590**	**.12184**	**.22124**	**.15366**	**252.93**	**8.6666**	**.09398**
Stddev	.00004	.00034	.00016	.00064	3.15	.0358	.00136
%RSD	.72583	.28068	.07249	.41684	1.2455	.41324	1.4421
#1	.00588	.12149	.22106	.15300	255.86	8.6556	.09554
#2	.00595	.12218	.22129	.15427	253.33	8.6376	.09309
#3	.00587	.12185	.22137	.15372	249.59	8.7067	.09331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.626**	**5.3720**	**.00950**	**.75591**	**.15474**	**4.1365**	**.27434**
Stddev	.170	.0243	.00001	.00068	.00068	.0071	.00058
%RSD	.59269	.45176	.15089	.09036	.43890	.17243	.21255
#1	28.566	5.3692	.00952	.75641	.15399	4.1287	.27425
#2	28.495	5.3493	.00950	.75619	.15531	4.1426	.27381
#3	28.818	5.3976	.00950	.75513	.15492	4.1382	.27496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082907 Acquired: 4/4/2011 19:06:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.009**	F **959.11**	F **-12264.**	**.00928**	**.00818**	**2.4120**	**.00748**
Stddev	8.230	1.83	60.	.00096	.00028	.0024	.00057
%RSD	74.757	.19045	.49284	10.304	3.3785	.09932	7.6557
#1	-15.744	957.92	-12256.	.01033	.00842	2.4125	.00684
#2	-15.777	961.21	-12328.	.00905	.00788	2.4142	.00762
#3	-1.5059	958.20	-12208.	.00846	.00825	2.4095	.00796
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6324**	**.20390**	**.00934**	**.36402**	**.50314**	**.07963**
Stddev	.0166	.00157	.00107	.00125	.00118	.00033
%RSD	.63110	.77236	11.443	.34376	.23448	.41270
#1	2.6367	.20336	.00849	.36258	.50189	.07997
#2	2.6141	.20266	.01054	.36487	.50329	.07962
#3	2.6464	.20567	.00899	.36460	.50423	.07931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58553.**	**70432.**
Stddev	141.	564.
%RSD	.24121	.80079
#1	58605.	70012.
#2	58393.	71073.
#3	58661.	70210.

Approved: April 05, 2011

Sample Name: L1103082908 Acquired: 4/4/2011 19:10:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**103.33**	**.09287**	**.07773**	**1.8886**	**.00921**	**41.063**
Stddev	.00025	.73	.00048	.00034	.0068	.00006	.211
%RSD	7.9058	.70699	.52003	.44079	.36136	.68532	.51324
#1	.00335	102.78	.09329	.07795	1.8857	.00914	40.908
#2	.00321	103.06	.09299	.07733	1.8837	.00924	40.977
#3	.00287	104.16	.09234	.07790	1.8964	.00925	41.303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.06364**	**.19042**	**.15059**	**185.19**	**8.7064**	**.06192**
Stddev	.00001	.00017	.00151	.00031	.91	.0334	.00036
%RSD	.18808	.26556	.79422	.20468	.49145	.38396	.57601
#1	.00584	.06345	.18881	.15028	184.69	8.6951	.06187
#2	.00586	.06369	.19181	.15090	184.64	8.6801	.06159
#3	.00584	.06378	.19062	.15057	186.24	8.7440	.06230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.512**	**4.9299**	**.00826**	**.36007**	**.08705**	**3.4897**	**.34777**
Stddev	.059	.0095	.00020	.00796	.00035	.0038	.00174
%RSD	.47000	.19261	2.4417	2.2094	.40753	.10811	.50115
#1	12.470	4.9223	.00803	.36779	.08665	3.4897	.34721
#2	12.487	4.9267	.00834	.35190	.08720	3.4859	.34973
#3	12.579	4.9405	.00841	.36053	.08732	3.4935	.34638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082908 Acquired: 4/4/2011 19:10:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.0576**	F **194.05**	F **-9070.8**	**.00651**	**.01057**	**2.3917**	**.00914**
Stddev	2.1988	.75	23.4	.00027	.00209	.0042	.00024
%RSD	27.289	.38626	.25848	4.1690	19.802	.17574	2.6120
#1	-10.582	193.18	-9045.0	.00677	.01163	2.3869	.00900
#2	-6.5622	194.43	-9076.8	.00653	.00816	2.3935	.00942
#3	-7.0285	194.53	-9090.7	.00623	.01192	2.3947	.00901
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28539**	**.30889**	**.00684**	**.36749**	**.63957**	**.09598**
Stddev	.00098	.00066	.00052	.00146	.00061	.00023
%RSD	.34341	.21439	7.5714	.39675	.09575	.23635
#1	.28452	.30865	.00719	.36584	.63894	.09588
#2	.28519	.30838	.00625	.36861	.64016	.09624
#3	.28645	.30963	.00709	.36802	.63959	.09582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63319.**	**71694.**
Stddev	121.	340.
%RSD	.19095	.47361
#1	63451.	71554.
#2	63290.	72081.
#3	63215.	71447.

Approved: April 05, 2011

Sample Name: L1103082909 Acquired: 4/4/2011 19:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**113.77**	**.12625**	**.10723**	**1.7270**	**.01180**	**32.347**
Stddev	.00015	.40	.00076	.00202	.0029	.00004	.087
%RSD	3.8816	.34966	.60065	1.8873	.16646	.36615	.26759
#1	.00381	113.36	.12628	.10521	1.7257	.01175	32.247
#2	.00411	114.15	.12548	.10721	1.7303	.01183	32.400
#3	.00401	113.80	.12700	.10926	1.7249	.01181	32.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**.13806**	**.24953**	**.12942**	**286.11**	**5.1496**	**.05330**
Stddev	.00013	.00058	.00039	.00163	5.06	.0322	.00109
%RSD	2.6390	.42268	.15786	1.2572	1.7701	.62553	2.0540
#1	.00492	.13765	.24991	.12868	280.56	5.1130	.05449
#2	.00496	.13779	.24958	.12830	287.30	5.1622	.05234
#3	.00517	.13873	.24912	.13129	290.47	5.1736	.05308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.143**	**9.5905**	**.01309**	**3.2630**	**.09202**	**2.7223**	**.36967**
Stddev	.087	.0265	.00043	.0012	.00053	.0006	.00059
%RSD	.61724	.27585	3.2575	.03727	.57882	.02320	.15859
#1	14.047	9.5602	.01349	3.2643	.09167	2.7221	.36909
#2	14.167	9.6091	.01316	3.2619	.09176	2.7218	.36966
#3	14.217	9.6021	.01264	3.2628	.09264	2.7230	.37027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082909 Acquired: 4/4/2011 19:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.6813**	F **127.41**	F **-5583.7**	**.00806**	**.01051**	**2.1285**	**.00909**
Stddev	4.0077	.78	48.0	.00085	.00292	.0078	.00022
%RSD	85.611	.61412	.86043	10.592	27.804	.36796	2.4565
#1	-9.0968	126.92	-5557.4	.00904	.01246	2.1223	.00905
#2	-3.6735	127.00	-5554.5	.00752	.00715	2.1260	.00933
#3	-1.2737	128.31	-5639.1	.00761	.01192	2.1373	.00889
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26721**	**.25037**	**.01444**	**.52283**	**.38046**	**.10708**
Stddev	.00019	.00071	.00003	.00139	.00057	.00013
%RSD	.07163	.28449	.22307	.26512	.14911	.12361
#1	.26708	.25021	.01447	.52124	.38013	.10718
#2	.26712	.25115	.01446	.52342	.38014	.10712
#3	.26743	.24975	.01441	.52382	.38112	.10693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63319.**	**71829.**
Stddev	178.	485.
%RSD	.28169	.67474
#1	63432.	72233.
#2	63412.	71963.
#3	63113.	71292.

Approved: April 05, 2011

Sample Name: L1103082910 Acquired: 4/4/2011 19:17:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**87.083**	**.09340**	**.08972**	**1.2240**	**.00847**	**41.578**
Stddev	.00041	.192	.00108	.00051	.0008	.00008	.060
%RSD	13.300	.22006	1.1570	.56923	.06247	.99401	.14453
#1	.00321	86.866	.09328	.09004	1.2249	.00837	41.510
#2	.00261	87.155	.09238	.08998	1.2237	.00850	41.625
#3	.00338	87.228	.09453	.08913	1.2236	.00853	41.600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00544**	**.07094**	**.18597**	**.15143**	**195.52**	**9.1529**	**.04770**
Stddev	.00009	.00016	.00165	.00100	.28	.0456	.00066
%RSD	1.6718	.22476	.88699	.65890	.14398	.49774	1.3802
#1	.00541	.07080	.18419	.15041	195.63	9.1168	.04735
#2	.00554	.07091	.18627	.15240	195.21	9.2041	.04846
#3	.00537	.07111	.18745	.15148	195.74	9.1379	.04729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.771**	**4.4413**	**.01097**	**1.0847**	**.07226**	**4.9216**	**.34823**
Stddev	.038	.0012	.00030	.0017	.00055	.0145	.00161
%RSD	.32407	.02775	2.7204	.15923	.75839	.29435	.46242
#1	11.769	4.4413	.01127	1.0866	.07191	4.9054	.34731
#2	11.734	4.4402	.01097	1.0839	.07289	4.9334	.35009
#3	11.810	4.4426	.01067	1.0834	.07198	4.9259	.34728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082910 Acquired: 4/4/2011 19:17:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.5178**	F **245.31**	F **-12067.**	**.00767**	**.00939**	**2.2403**	**.00986**
Stddev	3.4454	.84	41.	.00158	.00064	.0027	.00014
%RSD	136.84	.34294	.33660	20.569	6.7875	.11967	1.3799
#1	.93566	244.34	-12020.	.00908	.00902	2.2390	.00971
#2	-2.5341	245.86	-12088.	.00797	.01012	2.2434	.00997
#3	-5.9550	245.73	-12093.	.00596	.00902	2.2386	.00991
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28946**	**.30670**	**.00712**	**.39344**	**.63270**	**.09102**
Stddev	.00067	.00086	.00124	.00218	.00153	.00064
%RSD	.23105	.27943	17.380	.55313	.24260	.70208
#1	.28871	.30604	.00633	.39157	.63105	.09033
#2	.28999	.30641	.00855	.39292	.63408	.09112
#3	.28969	.30767	.00649	.39583	.63298	.09160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63172.**	**71570.**
Stddev	155.	134.
%RSD	.24544	.18769
#1	63314.	71442.
#2	63007.	71558.
#3	63197.	71710.

Approved: April 05, 2011

Sample Name: L1103082911 Acquired: 4/4/2011 19:20:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**93.590**	**.13208**	**.08198**	**1.9343**	**.01010**	**39.010**
Stddev	.00014	.342	.00102	.00204	.0055	.00007	.107
%RSD	4.2090	.36595	.76895	2.4924	.28195	.71049	.27525
#1	.00337	93.857	.13319	.08153	1.9342	.01012	39.110
#2	.00337	93.204	.13119	.08021	1.9289	.01016	38.896
#3	.00313	93.710	.13186	.08422	1.9398	.01002	39.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00631**	**.09174**	**.24257**	**.14724**	**204.92**	**5.7231**	**.05375**
Stddev	.00009	.00093	.00079	.00228	1.48	.0283	.00098
%RSD	1.3788	1.0094	.32496	1.5502	.72102	.49369	1.8170
#1	.00640	.09279	.24277	.14969	205.51	5.7519	.05471
#2	.00628	.09137	.24324	.14684	203.24	5.6954	.05276
#3	.00624	.09105	.24170	.14517	206.01	5.7220	.05377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.689**	**6.4042**	**.00919**	**.71885**	**.08449**	**3.0031**	**.34808**
Stddev	.029	.0068	.00025	.00466	.00028	.0272	.00254
%RSD	.25202	.10614	2.7518	.64793	.32675	.90646	.72838
#1	11.692	6.4079	.00937	.71378	.08459	3.0232	.34900
#2	11.659	6.3964	.00930	.72293	.08470	3.0141	.35003
#3	11.717	6.4084	.00890	.71983	.08418	2.9721	.34521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082911 Acquired: 4/4/2011 19:20:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.5325**	F **170.70**	F **-7751.9**	**.00654**	**.00977**	**2.2408**	**.00845**
Stddev	3.2405	1.03	64.1	.00116	.00133	.0050	.00019
%RSD	37.978	.60198	.82724	17.767	13.621	.22439	2.2718
#1	-4.9395	171.70	-7818.2	.00741	.01112	2.2462	.00823
#2	-9.4244	170.75	-7747.3	.00522	.00846	2.2400	.00858
#3	-11.234	169.64	-7690.2	.00699	.00973	2.2362	.00854
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28014**	**.29008**	**.00938**	**.42244**	**.65212**	**.10602**
Stddev	.00050	.00053	.00052	.00284	.00099	.00057
%RSD	.18026	.18385	5.5663	.67180	.15221	.53564
#1	.28072	.28982	.00906	.42483	.65270	.10611
#2	.27980	.29069	.00911	.42318	.65269	.10654
#3	.27990	.28973	.00999	.41930	.65098	.10541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63317.**	**71627.**
Stddev	362.	873.
%RSD	.57212	1.2187
#1	62956.	70620.
#2	63315.	72078.
#3	63681.	72181.

Approved: April 05, 2011

Sample Name: L1103082912 Acquired: 4/4/2011 19:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**106.22**	**.11112**	**.08756**	**1.8352**	**.01127**	**30.694**
Stddev	.00018	.31	.00148	.00022	.0023	.00005	.066
%RSD	5.8859	.28866	1.3340	.25113	.12406	.48175	.21622
#1	.00289	106.46	.11270	.08770	1.8377	.01125	30.770
#2	.00321	106.32	.10976	.08731	1.8333	.01133	30.654
#3	.00320	105.87	.11091	.08768	1.8345	.01123	30.657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.13274**	**.24579**	**.12549**	**238.79**	**5.0509**	**.06071**
Stddev	.00006	.00029	.00181	.00091	1.65	.0126	.00125
%RSD	1.5803	.21494	.73721	.72197	.69057	.24851	2.0619
#1	.00356	.13271	.24592	.12629	240.12	5.0488	.06181
#2	.00357	.13304	.24754	.12566	236.95	5.0644	.05935
#3	.00366	.13247	.24392	.12450	239.30	5.0396	.06097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.773**	**6.8483**	**.01059**	**.88565**	**.08144**	**2.4884**	**.29664**
Stddev	.016	.0083	.00008	.00807	.00020	.0091	.00055
%RSD	.13232	.12106	.75033	.91120	.24132	.36643	.18528
#1	11.789	6.8398	.01054	.88218	.08122	2.4966	.29724
#2	11.772	6.8564	.01054	.89488	.08161	2.4786	.29616
#3	11.758	6.8485	.01068	.87990	.08149	2.4899	.29652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082912 Acquired: 4/4/2011 19:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.6889**	F **120.74**	F **-5273.6**	**.00774**	**.01190**	**2.2461**	**.00839**
Stddev	2.8165	.22	31.2	.00118	.00105	.0032	.00027
%RSD	60.067	.18386	.59103	15.217	8.8674	.14229	3.1632
#1	-7.7986	120.74	-5303.7	.00909	.01124	2.2477	.00843
#2	-2.3096	120.96	-5241.5	.00722	.01133	2.2483	.00864
#3	-3.9584	120.51	-5275.5	.00692	.01311	2.2425	.00811
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24476**	**.29274**	**.01156**	**.49335**	**.30023**	**.11006**
Stddev	.00020	.00044	.00044	.00154	.00054	.00069
%RSD	.08280	.15023	3.7852	.31294	.17952	.63080
#1	.24492	.29323	.01120	.49486	.29976	.11017
#2	.24482	.29238	.01144	.49340	.30082	.11069
#3	.24453	.29260	.01205	.49178	.30013	.10931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63326.**	**72410.**
Stddev	122.	588.
%RSD	.19237	.81137
#1	63259.	71840.
#2	63252.	72377.
#3	63467.	73013.

Approved: April 05, 2011

Sample Name: L1103082913 Acquired: 4/4/2011 19:27:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	**103.50**	**.09398**	**.09664**	**1.6147**	**.00902**	**45.224**
Stddev	.00041	.30	.00162	.00127	.0065	.00002	.158
%RSD	6.7381	.29447	1.7212	1.3105	.40109	.24666	.34904
#1	.00617	103.15	.09255	.09558	1.6082	.00904	45.079
#2	.00650	103.73	.09366	.09804	1.6212	.00903	45.393
#3	.00568	103.62	.09573	.09629	1.6147	.00900	45.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01830**	**.08783**	**.16574**	**.19027**	**242.07**	**11.342**	**.06785**
Stddev	.00004	.00044	.00009	.00112	1.91	.047	.00125
%RSD	.20103	.50345	.05171	.59010	.78824	.41618	1.8441
#1	.01833	.08751	.16574	.18936	240.91	11.288	.06706
#2	.01830	.08766	.16582	.18994	244.27	11.368	.06720
#3	.01826	.08834	.16565	.19153	241.02	11.371	.06929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.307**	**11.092**	**.00552**	**.32671**	**.17153**	**5.8803**	**.70377**
Stddev	.189	.037	.00014	.00657	.00043	.0181	.00244
%RSD	.98084	.33048	2.5278	2.0102	.25269	.30812	.34673
#1	19.090	11.049	.00537	.33178	.17105	5.8632	.70461
#2	19.437	11.113	.00552	.31929	.17188	5.8785	.70102
#3	19.396	11.112	.00565	.32905	.17167	5.8993	.70568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082913 Acquired: 4/4/2011 19:27:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.5922**	F **255.16**	F **-12371.**	**.00977**	**.01087**	**2.4919**	**.00855**
Stddev	2.7043	1.21	71.	.00086	.00060	.0002	.00008
%RSD	75.283	.47260	.57003	8.7817	5.4995	.00971	.99169
#1	-6.6657	254.53	-12327.	.01045	.01149	2.4921	.00853
#2	-2.5337	254.41	-12333.	.00881	.01030	2.4918	.00865
#3	-1.5773	256.55	-12452.	.01005	.01083	2.4917	.00848
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27056**	**.27941**	**.00802**	**.27131**	**2.2954**	**.06782**
Stddev	.00052	.00050	.00094	.00160	.0051	.00051
%RSD	.19264	.17732	11.724	.59100	.22110	.74784
#1	.27058	.27885	.00781	.27044	2.2901	.06768
#2	.27108	.27978	.00905	.27316	2.2960	.06839
#3	.27003	.27961	.00721	.27033	2.3002	.06740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62377.**	**71510.**
Stddev	94.	811.
%RSD	.15005	1.1343
#1	62465.	72366.
#2	62387.	70753.
#3	62279.	71412.

Approved: April 05, 2011

Sample Name: L1103082914 Acquired: 4/4/2011 19:30:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**108.87**	**.09534**	**.10723**	**1.6293**	**.01022**	**32.106**
Stddev	.00045	.45	.00094	.00101	.0015	.00004	.080
%RSD	7.5061	.41495	.98463	.94395	.09442	.36979	.24964
#1	.00571	108.97	.09587	.10672	1.6310	.01021	32.125
#2	.00571	109.27	.09426	.10839	1.6280	.01019	32.176
#3	.00648	108.38	.09589	.10657	1.6288	.01026	32.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00818**	**.19479**	**.17385**	**.15410**	**295.56**	**6.5388**	**.07890**
Stddev	.00009	.00020	.00102	.00212	.67	.0072	.00051
%RSD	1.0416	.10147	.58602	1.3763	.22767	.10948	.64722
#1	.00824	.19481	.17324	.15386	295.02	6.5430	.07845
#2	.00808	.19458	.17329	.15211	296.31	6.5429	.07945
#3	.00822	.19498	.17503	.15633	295.35	6.5306	.07881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.707**	**19.873**	**.00579**	**.36376**	**.21591**	**3.2961**	**.36593**
Stddev	.051	.024	.00010	.00418	.00219	.0257	.00471
%RSD	.27216	.11898	1.7333	1.1504	1.0135	.77961	1.2878
#1	18.722	19.883	.00589	.36570	.21432	3.2830	.36338
#2	18.748	19.891	.00569	.36662	.21502	3.2796	.36305
#3	18.650	19.846	.00578	.35895	.21841	3.3257	.37137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082914 Acquired: 4/4/2011 19:30:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.0435**	F **118.72**	F **-4970.1**	**.00924**	**.01043**	**2.1959**	**.00644**
Stddev	3.0708	.41	47.2	.00051	.00170	.0031	.00026
%RSD	50.811	.34544	.94988	5.5342	16.348	.14277	4.0229
#1	-2.9366	118.86	-4959.7	.00886	.00942	2.1972	.00623
#2	-6.1172	118.26	-4929.0	.00983	.00947	2.1924	.00673
#3	-9.0768	119.04	-5021.7	.00904	.01240	2.1983	.00636
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23437**	**.23185**	**.01533**	**.29876**	**.89138**	**.06600**
Stddev	.00071	.00106	.00035	.00191	.00077	.00043
%RSD	.30385	.45510	2.3144	.63981	.08608	.64654
#1	.23458	.23083	.01569	.29718	.89126	.06572
#2	.23495	.23179	.01498	.29822	.89219	.06579
#3	.23357	.23294	.01533	.30089	.89067	.06649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62832.**	**71572.**
Stddev	64.	539.
%RSD	.10265	.75321
#1	62796.	71149.
#2	62907.	71388.
#3	62794.	72179.

Approved: April 05, 2011

Sample Name: L1103082915 Acquired: 4/4/2011 19:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**97.088**	**.09418**	**.08655**	**1.6551**	**.00926**	**30.265**
Stddev	.00009	.519	.00053	.00088	.0032	.00001	.096
%RSD	1.5889	.53474	.55950	1.0166	.19497	.11604	.31615
#1	.00539	97.687	.09378	.08610	1.6528	.00927	30.374
#2	.00553	96.791	.09478	.08599	1.6588	.00926	30.225
#3	.00537	96.785	.09399	.08756	1.6536	.00925	30.196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01721**	**.09038**	**.16947**	**.17860**	**239.54**	**8.4192**	**.06160**
Stddev	.00010	.00043	.00098	.00113	1.40	.0121	.00122
%RSD	.60367	.47264	.58112	.63464	.58504	.14335	1.9735
#1	.01732	.09080	.17043	.17986	238.91	8.4324	.06300
#2	.01711	.09038	.16951	.17766	238.56	8.4164	.06082
#3	.01720	.08995	.16847	.17828	241.14	8.4088	.06097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.988**	**10.436**	**.00495**	**.27610**	**.15718**	**4.5187**	**.65736**
Stddev	.019	.007	.00014	.00757	.00054	.0135	.00210
%RSD	.10948	.06496	2.8623	2.7417	.34366	.29788	.31978
#1	16.990	10.438	.00503	.28302	.15689	4.5342	.65515
#2	17.005	10.442	.00504	.27725	.15780	4.5098	.65934
#3	16.968	10.429	.00479	.26802	.15684	4.5121	.65759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082915 Acquired: 4/4/2011 19:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.0193**	F **157.98**	F **-7503.3**	**.00865**	**.00974**	**2.4415**	**.00764**
Stddev	1.8956	.85	68.8	.00012	.00084	.0062	.00012
%RSD	27.006	.53790	.91643	1.3744	8.5862	.25461	1.5443
#1	-8.5206	158.95	-7529.9	.00853	.00901	2.4486	.00758
#2	-7.6480	157.64	-7554.8	.00867	.01065	2.4375	.00778
#3	-4.8891	157.36	-7425.2	.00876	.00957	2.4382	.00757
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21216**	**.28816**	**.00878**	**.27435**	**1.9311**	**.07131**
Stddev	.00094	.00111	.00129	.00029	.0026	.00032
%RSD	.44251	.38572	14.679	.10447	.13265	.44972
#1	.21304	.28769	.00777	.27408	1.9340	.07104
#2	.21117	.28736	.01023	.27465	1.9299	.07167
#3	.21227	.28943	.00834	.27431	1.9293	.07123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62777.**	**72159.**
Stddev	168.	470.
%RSD	.26696	.65106
#1	62583.	71816.
#2	62867.	71966.
#3	62880.	72695.

Approved: April 05, 2011

Sample Name: L1103082916 Acquired: 4/4/2011 19:37:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**122.10**	**.08866**	**.11198**	**1.7674**	**.01170**	**23.501**
Stddev	.00044	.28	.00070	.00662	.0019	.00003	.056
%RSD	8.1362	.23017	.78466	5.9156	.10953	.24778	.23780
#1	.00514	121.81	.08912	.10788	1.7652	.01173	23.439
#2	.00509	122.12	.08786	.10843	1.7680	.01170	23.519
#3	.00587	122.37	.08901	.11962	1.7689	.01167	23.546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00707**	**.17736**	**.20316**	**.15498**	**327.78**	**6.5099**	**.07542**
Stddev	.00013	.00034	.00106	.00223	10.57	.0086	.00056
%RSD	1.8947	.19177	.51995	1.4407	3.2254	.13214	.74487
#1	.00692	.17728	.20432	.15539	320.28	6.5006	.07485
#2	.00718	.17774	.20290	.15698	323.18	6.5115	.07545
#3	.00711	.17707	.20226	.15257	339.87	6.5175	.07597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.095**	**16.189**	**.00490**	**.32969**	**.19568**	**3.0663**	**.34750**
Stddev	.088	.027	.00027	.00656	.00115	.0300	.00339
%RSD	.51683	.16673	5.5590	1.9891	.58547	.97671	.97639
#1	16.998	16.158	.00498	.33062	.19518	3.0698	.34459
#2	17.117	16.203	.00513	.33573	.19699	3.0944	.35123
#3	17.170	16.206	.00460	.32272	.19486	3.0348	.34668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082916 Acquired: 4/4/2011 19:37:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5141**	F **93.654**	F **-3992.8**	**.00557**	**.00976**	**2.2852**	**.00711**
Stddev	1.7229	.913	35.2	.00045	.00058	.0065	.00012
%RSD	68.530	.97473	.88190	8.0309	5.9795	.28606	1.6831
#1	1.1016	93.539	-3984.3	.00590	.01042	2.2914	.00717
#2	2.0071	94.619	-4031.4	.00506	.00930	2.2857	.00720
#3	4.4336	92.805	-3962.6	.00574	.00956	2.2784	.00698
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19066**	**.25991**	**.01467**	**.34325**	**.79989**	**.07730**
Stddev	.00022	.00071	.00079	.00035	.00073	.00041
%RSD	.11385	.27332	5.3939	.10136	.09102	.53238
#1	.19044	.26073	.01378	.34357	.79905	.07725
#2	.19087	.25953	.01528	.34288	.80033	.07692
#3	.19069	.25946	.01496	.34331	.80029	.07774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62926.**	**71985.**
Stddev	113.	251.
%RSD	.18002	.34888
#1	62940.	72269.
#2	62807.	71892.
#3	63032.	71793.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 19:41:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42249**	**9.8815**	**.41197**	**.51212**	**.98230**	**.05159**	**9.8008**
Stddev	.00118	.0302	.00167	.00163	.00323	.00010	.0236
%RSD	.27817	.30581	.40609	.31925	.32866	.18548	.24118
#1	.42213	9.9140	.41065	.51204	.98146	.05154	9.8205
#2	.42154	9.8761	.41142	.51053	.98587	.05153	9.8073
#3	.42380	9.8543	.41385	.51380	.97958	.05170	9.7746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05236**	**.21103**	**.51568**	**.52230**	**4.0152**	**49.869**	**.99867**
Stddev	.00009	.00055	.00055	.00126	.0157	.061	.00237
%RSD	.17156	.25930	.10658	.24081	.39150	.12182	.23688
#1	.05236	.21096	.51527	.52290	4.0126	49.935	.99806
#2	.05227	.21052	.51546	.52086	4.0321	49.857	1.0013
#3	.05245	.21161	.51630	.52315	4.0010	49.816	.99668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.288**	**.50979**	**1.0063**	**50.252**	**.51969**	**10.085**	**.52517**
Stddev	.008	.00082	.0015	.100	.00042	.010	.00077
%RSD	.08211	.16164	.15334	.19886	.08165	.10286	.14705
#1	10.297	.51001	1.0067	50.350	.51922	10.078	.52456
#2	10.287	.51047	1.0075	50.150	.51981	10.079	.52604
#3	10.281	.50887	1.0046	50.254	.52005	10.097	.52491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 19:41:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.525**	**10.615**	F **18.573**	**1.2470**	**.41608**	**5.1126**	**1.0348**
Stddev	7.818	.039	3.590	.0005	.00293	.0147	.0023
%RSD	34.708	.36327	19.329	.03658	.70384	.28829	.22229
#1	13.702	10.583	22.688	1.2468	.41303	5.1100	1.0360
#2	25.283	10.605	16.088	1.2476	.41887	5.0994	1.0321
#3	28.589	10.658	16.941	1.2467	.41635	5.1285	1.0362
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98765**	**.99880**	**.53188**	**1.0361**	**1.0359**	**1.0086**
Stddev	.00134	.00204	.00152	.0024	.0001	.0015
%RSD	.13549	.20444	.28658	.22958	.00819	.14523
#1	.98908	.99937	.53092	1.0353	1.0360	1.0076
#2	.98644	1.0005	.53108	1.0342	1.0360	1.0079
#3	.98742	.99653	.53364	1.0388	1.0358	1.0103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63837.**	**68475.**
Stddev	98.	92.
%RSD	.15360	.13405
#1	63831.	68370.
#2	63938.	68519.
#3	63742.	68536.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:44:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00018**	**.00012**	**.00096**	**.00029**	**.00003**	**-.01416**
Stddev	.00055	.01189	.00091	.00088	.00015	.00001	.00902
%RSD	118.58	6533.4	774.74	91.643	49.882	34.834	63.704
#1	-.00026	-.00133	.00010	-.00005	.00040	.00002	-.01376
#2	-.00005	.01276	.00104	.00137	.00036	.00004	-.00534
#3	-.00109	-.01088	-.00078	.00155	.00013	.00004	-.02337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00005**	**.00034**	**-.00023**	**.00884**	**.11231**	**-.00059**
Stddev	.00006	.00011	.00037	.00054	.00685	.02562	.00120
%RSD	254.77	204.87	106.71	238.21	77.467	22.813	204.20
#1	.00008	-.00015	.00018	-.00007	.01582	.13541	.00062
#2	.00002	.00006	.00076	.00022	.00858	.11677	-.00059
#3	-.00003	-.00007	.00009	-.00082	.00213	.08475	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01298**	**.00067**	**.00019**	**-.00095**	**-.00025**	**.00105**	**-.00074**
Stddev	.00149	.00019	.00012	.00853	.00015	.00115	.00082
%RSD	11.480	28.078	65.921	893.46	59.157	109.61	110.31
#1	.01228	.00076	.00004	.00027	-.00016	.00003	-.00166
#2	.01196	.00079	.00027	-.01003	-.00016	.00082	-.00049
#3	.01469	.00045	.00025	.00690	-.00041	.00230	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:44:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.191**	F **-.15901**	F **8.7770**	**.00048**	**.00003**	**.00156**	**-.00056**
Stddev	3.451	.02490	1.8937	.00071	.00052	.00008	.00005
%RSD	17.983	15.662	21.576	147.05	1507.7	4.8360	9.4580
#1	22.904	-.13898	10.590	.00023	.00008	.00161	-.00058
#2	18.591	-.15114	6.8116	-.00006	.00053	.00160	-.00050
#3	16.080	-.18689	8.9295	.00129	-.00051	.00148	-.00061
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00106**	**-.00124**	**.00053**	**-.00029**	**.00014**
Stddev	.00002	.00003	.00022	.00039	.00017	.00017
%RSD	85.962	3.1883	17.695	73.057	57.207	117.23
#1	.00003	-.00110	-.00109	.00035	-.00010	.00007
#2	.00004	-.00104	-.00149	.00097	-.00041	.00033
#3	.00000	-.00103	-.00113	.00026	-.00036	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65239.**	**68708.**
Stddev	121.	284.
%RSD	.18587	.41318
#1	65314.	68911.
#2	65099.	68384.
#3	65303.	68829.

Approved: April 05, 2011

Sample Name: L1103082917 Acquired: 4/4/2011 19:48:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**98.032**	**.11215**	**.09829**	**1.2765**	**.00779**	**189.60**
Stddev	.00070	.368	.00086	.00140	.0027	.00001	.68
%RSD	11.616	.37513	.76462	1.4273	.21275	.17194	.35817
#1	.00652	97.882	.11201	.09798	1.2740	.00781	189.26
#2	.00521	97.763	.11307	.09707	1.2762	.00778	189.15
#3	.00626	98.451	.11138	.09982	1.2794	.00780	190.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02425**	**.07538**	**.16292**	**.29555**	**194.25**	**11.752**	**.08581**
Stddev	.00006	.00031	.00023	.00249	.64	.013	.00062
%RSD	.24887	.40531	.14070	.84262	.33027	.11173	.72498
#1	.02419	.07502	.16267	.29271	193.58	11.744	.08628
#2	.02431	.07552	.16297	.29738	194.31	11.745	.08606
#3	.02426	.07558	.16312	.29655	194.86	11.767	.08511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.024**	**5.9604**	**.00589**	**.84169**	**.17280**	**7.5336**	**.90768**
Stddev	.078	.0107	.00012	.00616	.00084	.0116	.00040
%RSD	.37211	.17978	2.0596	.73203	.48686	.15408	.04390
#1	20.934	5.9532	.00600	.84262	.17186	7.5285	.90722
#2	21.063	5.9552	.00591	.83511	.17348	7.5253	.90795
#3	21.075	5.9727	.00576	.84733	.17306	7.5469	.90786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082917 Acquired: 4/4/2011 19:48:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.043**	F **424.08**	F **-13908.**	**.01095**	**.00978**	**2.1252**	**.01184**
Stddev	7.510	.92	44.	.00136	.00073	.0016	.00011
%RSD	74.780	.21657	.31496	12.460	7.4851	.07500	.92330
#1	-16.846	423.06	-13865.	.00962	.01023	2.1239	.01173
#2	-1.9844	424.33	-13907.	.01235	.00894	2.1246	.01195
#3	-11.297	424.84	-13953.	.01089	.01018	2.1270	.01185
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4264**	**.22601**	**.00466**	**.21474**	**2.8182**	**.04969**
Stddev	.0040	.00073	.00062	.00017	.0023	.00033
%RSD	.28262	.32463	13.209	.07708	.08246	.66405
#1	1.4269	.22686	.00526	.21464	2.8161	.04975
#2	1.4221	.22562	.00403	.21464	2.8178	.04934
#3	1.4301	.22556	.00470	.21493	2.8207	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61497.**	**71488.**
Stddev	85.	157.
%RSD	.13837	.21905
#1	61401.	71401.
#2	61562.	71395.
#3	61528.	71669.

Approved: April 05, 2011

Sample Name: L1103082918 Acquired: 4/4/2011 19:51:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**104.26**	**.09295**	**.09122**	**1.1340**	**.00930**	**38.091**
Stddev	.00032	.29	.00120	.00139	.0053	.00004	.130
%RSD	8.7146	.27641	1.2877	1.5291	.47058	.39263	.34019
#1	.00357	103.93	.09224	.08987	1.1281	.00931	37.948
#2	.00396	104.49	.09434	.09265	1.1385	.00933	38.200
#3	.00334	104.34	.09229	.09115	1.1352	.00926	38.125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.07995**	**.17457**	**.19937**	**227.15**	**7.5799**	**.08124**
Stddev	.00001	.00029	.00100	.00052	2.51	.0322	.00119
%RSD	.11022	.36640	.57067	.25834	1.1040	.42461	1.4703
#1	.01118	.08005	.17497	.19926	224.61	7.5685	.08029
#2	.01117	.08018	.17530	.19994	229.62	7.6162	.08084
#3	.01115	.07962	.17343	.19893	227.22	7.5549	.08258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.257**	**4.9437**	**.00655**	**1.1854**	**.18587**	**7.3310**	**.42570**
Stddev	.138	.0045	.00006	.0021	.00021	.0060	.00146
%RSD	.68305	.09120	.86708	.17410	.11337	.08188	.34232
#1	20.104	4.9402	.00660	1.1877	.18567	7.3255	.42449
#2	20.374	4.9488	.00654	1.1838	.18585	7.3374	.42732
#3	20.293	4.9420	.00649	1.1846	.18609	7.3300	.42529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082918 Acquired: 4/4/2011 19:51:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.079**	F **151.62**	F **-6741.9**	**.00797**	**.00827**	**2.2615**	**.00699**
Stddev	4.008	.76	15.0	.00158	.00111	.0072	.00012
%RSD	39.766	.50358	.22292	19.775	13.358	.31828	1.7680
#1	-13.576	151.48	-6753.8	.00924	.00768	2.2635	.00709
#2	-5.7052	152.44	-6725.0	.00846	.00955	2.2674	.00703
#3	-10.956	150.93	-6746.9	.00621	.00759	2.2535	.00685
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23365**	**.20600**	**.00594**	**.23845**	**1.3322**	**.05128**
Stddev	.00052	.00047	.00085	.00156	.0032	.00014
%RSD	.22220	.22644	14.320	.65586	.24112	.27242
#1	.23425	.20575	.00626	.23773	1.3293	.05129
#2	.23340	.20570	.00497	.24025	1.3357	.05142
#3	.23331	.20653	.00658	.23738	1.3316	.05114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63218.**	**72622.**
Stddev	210.	459.
%RSD	.33294	.63268
#1	63237.	72739.
#2	62999.	72115.
#3	63418.	73012.

Approved: April 05, 2011

Sample Name: L1103082919 Acquired: 4/4/2011 19:55:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**96.433**	**.09557**	**.08576**	**1.8209**	**.00939**	**407.66**
Stddev	.00035	.394	.00087	.00116	.0024	.00005	4.99
%RSD	6.6490	.40888	.90732	1.3579	.12944	.55619	1.2233
#1	.00525	96.349	.09655	.08518	1.8215	.00934	404.54
#2	.00491	96.863	.09488	.08710	1.8228	.00939	413.41
#3	.00561	96.088	.09529	.08500	1.8183	.00945	405.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01590**	**.06231**	**.15066**	**.21513**	**204.25**	**6.6229**	**.08022**
Stddev	.00002	.00012	.00131	.00092	.38	.0334	.00021
%RSD	.13257	.19966	.86666	.42770	.18779	.50494	.26011
#1	.01588	.06244	.14916	.21497	204.21	6.6199	.08003
#2	.01592	.06230	.15155	.21430	204.66	6.6577	.08044
#3	.01590	.06219	.15127	.21612	203.89	6.5910	.08018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.069**	**7.8293**	**.00470**	**.67194**	**.16603**	**5.5868**	**.60016**
Stddev	.099	.0232	.00026	.00465	.00140	.0149	.00571
%RSD	.39436	.29585	5.5479	.69251	.84608	.26664	.95215
#1	25.028	7.8235	.00456	.66699	.16605	5.5751	.59695
#2	25.181	7.8548	.00454	.67622	.16461	5.5818	.59677
#3	24.996	7.8096	.00500	.67261	.16742	5.6036	.60676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082919 Acquired: 4/4/2011 19:55:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.7715**	F **600.20**	F **-11102.**	**.01018**	**.01071**	**3.3008**	**.01075**
Stddev	3.6920	3.28	70.	.00073	.00075	.0113	.00026
%RSD	47.507	.54730	.63215	7.1842	6.9785	.34155	2.3743
#1	-11.683	596.95	-11032.	.01029	.00999	3.2904	.01047
#2	-4.3469	600.14	-11101.	.01085	.01064	3.3128	.01082
#3	-7.2849	603.52	-11172.	.00940	.01148	3.2993	.01096
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9794**	**.21127**	**.00594**	**.24678**	**2.5210**	**.05828**
Stddev	.0065	.00070	.00091	.00200	.0098	.00024
%RSD	.32990	.33078	15.289	.81159	.38802	.40565
#1	1.9799	.21156	.00699	.24502	2.5114	.05806
#2	1.9856	.21178	.00539	.24635	2.5207	.05825
#3	1.9726	.21048	.00544	.24896	2.5309	.05853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60433.**	**70710.**
Stddev	283.	704.
%RSD	.46835	.99622
#1	60715.	70638.
#2	60436.	70043.
#3	60149.	71447.

Approved: April 05, 2011

Sample Name: L1103082920 Acquired: 4/4/2011 19:58:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**111.39**	**.06839**	**.08627**	**1.4899**	**.00966**	**147.86**
Stddev	.00004	.93	.00187	.00148	.0083	.00004	.97
%RSD	1.1012	.83281	2.7415	1.7140	.55422	.38163	.65847
#1	.00361	110.52	.07002	.08735	1.4805	.00965	146.92
#2	.00360	111.28	.06634	.08458	1.4938	.00963	147.81
#3	.00368	112.37	.06881	.08687	1.4956	.00970	148.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.07658**	**.15588**	**.15363**	**234.72**	**5.8215**	**.07499**
Stddev	.00003	.00028	.00086	.00082	1.78	.0513	.00238
%RSD	.28569	.35954	.55076	.53330	.75670	.88109	3.1750
#1	.00952	.07638	.15495	.15271	236.15	5.7624	.07248
#2	.00951	.07648	.15605	.15426	232.74	5.8485	.07722
#3	.00947	.07690	.15665	.15394	235.28	5.8537	.07527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.004**	**7.1038**	**.00582**	**.83870**	**.15536**	**3.7714**	**.35023**
Stddev	.084	.0226	.00008	.01317	.00026	.0007	.00156
%RSD	.44084	.31852	1.3295	1.5708	.16680	.01792	.44627
#1	18.936	7.0905	.00581	.82396	.15548	3.7712	.34849
#2	18.977	7.0910	.00574	.84932	.15554	3.7722	.35152
#3	19.097	7.1299	.00590	.84283	.15506	3.7708	.35068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082920 Acquired: 4/4/2011 19:58:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.2222**	F **255.43**	F **-6340.3**	**.00660**	**.00793**	**2.2733**	**.00657**
Stddev	2.8070	.17	14.4	.00268	.00148	.0017	.00032
%RSD	38.867	.06682	.22716	40.580	18.709	.07306	4.8628
#1	-4.0913	255.26	-6340.2	.00447	.00854	2.2752	.00668
#2	-9.5140	255.45	-6326.0	.00573	.00901	2.2724	.00622
#3	-8.0613	255.60	-6354.8	.00961	.00624	2.2723	.00683
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71020**	**.18118**	**.00749**	**.25791**	**.99201**	**.05510**
Stddev	.00263	.00156	.00049	.00051	.00121	.00011
%RSD	.36965	.85940	6.4961	.19921	.12192	.19731
#1	.70793	.17942	.00768	.25740	.99074	.05512
#2	.70961	.18239	.00786	.25790	.99314	.05498
#3	.71308	.18172	.00694	.25843	.99216	.05520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61825.**	**71981.**
Stddev	29.	450.
%RSD	.04662	.62499
#1	61805.	71943.
#2	61858.	72448.
#3	61812.	71551.

Approved: April 05, 2011

Sample Name: L1103082921 Acquired: 4/4/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**102.27**	**.10149**	**.09379**	**1.1147**	**.00786**	**26.785**
Stddev	.00010	.15	.00095	.00159	.0002	.00003	.041
%RSD	1.6909	.14823	.93125	1.6998	.01902	.44336	.15246
#1	.00593	102.36	.10243	.09556	1.1146	.00787	26.816
#2	.00587	102.36	.10150	.09331	1.1149	.00788	26.801
#3	.00607	102.10	.10054	.09249	1.1145	.00782	26.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01720**	**.09154**	**.14165**	**.17821**	**235.42**	**10.935**	**.07740**
Stddev	.00015	.00073	.00052	.00131	.95	.028	.00125
%RSD	.84535	.79223	.36719	.73545	.40449	.25779	1.6101
#1	.01704	.09073	.14203	.17670	236.40	10.912	.07622
#2	.01723	.09173	.14185	.17887	235.38	10.966	.07870
#3	.01732	.09214	.14105	.17905	234.50	10.927	.07728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.841**	**8.9800**	**.00872**	**.41753**	**.17917**	**4.9738**	**.72774**
Stddev	.025	.0063	.00019	.00443	.00056	.0088	.00486
%RSD	.13163	.07028	2.1580	1.0622	.31002	.17720	.66773
#1	18.839	8.9744	.00853	.41718	.17891	4.9694	.72264
#2	18.866	8.9869	.00871	.42213	.17880	4.9681	.72826
#3	18.817	8.9788	.00891	.41328	.17981	4.9840	.73231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082921 Acquired: 4/4/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.1327**	F **177.97**	F **-8928.4**	**.01012**	**.01076**	**2.2398**	**.00789**
Stddev	5.6429	.70	54.2	.00131	.00360	.0025	.00005
%RSD	264.59	.39496	.60744	12.892	33.516	.11246	.68369
#1	-.93470	177.16	-8868.8	.00873	.01035	2.2376	.00784
#2	-8.2785	178.32	-8941.5	.01031	.01455	2.2393	.00795
#3	2.8150	178.43	-8974.9	.01132	.00737	2.2426	.00790
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18766**	**.23289**	**.00791**	**.21392**	**2.0472**	**.04254**
Stddev	.00034	.00131	.00028	.00028	.0030	.00047
%RSD	.17991	.56407	3.5081	.12938	.14650	1.1088
#1	.18777	.23440	.00770	.21361	2.0450	.04283
#2	.18792	.23223	.00823	.21404	2.0459	.04280
#3	.18728	.23203	.00781	.21413	2.0506	.04200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63314.**	**72020.**
Stddev	156.	220.
%RSD	.24586	.30571
#1	63483.	71766.
#2	63282.	72134.
#3	63176.	72160.

Approved: April 05, 2011

Sample Name: L1103082922 Acquired: 4/4/2011 20:05:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**113.39**	**.04458**	**.12344**	**.87770**	**.00930**	**10.949**
Stddev	.00034	1.15	.00130	.00142	.00158	.00004	.077
%RSD	8.1788	1.0155	2.9185	1.1532	.18037	.48209	.70657
#1	.00437	114.05	.04609	.12276	.87813	.00935	10.989
#2	.00421	112.06	.04388	.12248	.87595	.00928	10.860
#3	.00372	114.05	.04379	.12508	.87903	.00927	10.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.17045**	**.16664**	**.13193**	**351.70**	**4.8004**	**.07683**
Stddev	.00011	.00020	.00091	.00072	2.95	.0120	.00093
%RSD	2.1861	.11643	.54537	.54804	.83780	.25057	1.2086
#1	.00517	.17068	.16769	.13274	351.17	4.8090	.07693
#2	.00501	.17033	.16613	.13134	349.05	4.7867	.07586
#3	.00523	.17034	.16610	.13172	354.88	4.8056	.07771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.483**	**15.897**	**.00585**	**.59029**	**.15692**	**2.8113**	**.20558**
Stddev	.107	.074	.00014	.00144	.00045	.0024	.00104
%RSD	.68784	.46412	2.3703	.24322	.28945	.08372	.50614
#1	15.494	15.930	.00574	.59147	.15688	2.8139	.20464
#2	15.371	15.812	.00601	.58869	.15648	2.8093	.20670
#3	15.583	15.948	.00580	.59071	.15739	2.8108	.20541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082922 Acquired: 4/4/2011 20:05:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7107**	F **81.462**	F **-4044.4**	**.00497**	**.01144**	**1.9936**	**.00570**
Stddev	3.1704	.285	13.7	.00257	.00309	.0028	.00023
%RSD	116.96	.34974	.33814	51.632	27.006	.14051	4.0522
#1	-.94633	81.578	-4055.3	.00224	.01499	1.9954	.00568
#2	4.6851	81.137	-4029.0	.00734	.00999	1.9904	.00594
#3	4.3933	81.670	-4048.8	.00533	.00935	1.9951	.00548
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09317**	**.18543**	**.01321**	**.22183**	**.58885**	**.03833**
Stddev	.00085	.00125	.00087	.00043	.00031	.00035
%RSD	.91161	.67657	6.5850	.19299	.05287	.90398
#1	.09379	.18625	.01326	.22228	.58918	.03853
#2	.09220	.18399	.01405	.22143	.58882	.03793
#3	.09353	.18605	.01231	.22178	.58856	.03853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62914.**	**71078.**
Stddev	166.	667.
%RSD	.26385	.93888
#1	62750.	70576.
#2	63082.	71836.
#3	62910.	70824.

Approved: April 05, 2011

Sample Name: L1103082923 Acquired: 4/4/2011 20:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00592**	**99.483**	**.08145**	**.08278**	**1.4843**	**.00860**	**33.822**
Stddev	.00020	1.086	.00093	.00189	.0106	.00001	.291
%RSD	3.3799	1.0920	1.1375	2.2788	.71521	.09656	.86067
#1	.00615	98.232	.08042	.08067	1.4721	.00860	33.491
#2	.00577	100.03	.08172	.08338	1.4895	.00859	33.939
#3	.00585	100.18	.08222	.08430	1.4914	.00860	34.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01693**	**.07956**	**.14817**	**.16344**	**206.43**	**7.8242**	**.06262**
Stddev	.00005	.00034	.00011	.00028	1.69	.0705	.00125
%RSD	.27365	.42898	.07556	.17171	.82033	.90074	1.9979
#1	.01688	.07917	.14829	.16317	204.50	7.7432	.06175
#2	.01692	.07973	.14816	.16373	207.18	7.8582	.06406
#3	.01697	.07979	.14807	.16343	207.63	7.8713	.06206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.595**	**7.0017**	**.00846**	**.51958**	**.14566**	**4.4863**	**.64300**
Stddev	.139	.0235	.00002	.00484	.00010	.0034	.00279
%RSD	.74572	.33592	.23275	.93060	.06753	.07459	.43426
#1	18.437	6.9761	.00844	.51412	.14555	4.4837	.64094
#2	18.697	7.0224	.00845	.52130	.14568	4.4901	.64618
#3	18.651	7.0064	.00848	.52333	.14575	4.4852	.64189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082923 Acquired: 4/4/2011 20:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.9451**	F **201.43**	F **-9923.0**	**.00922**	**.00859**	**2.1864**	**.00802**
Stddev	3.4866	.87	50.7	.00159	.00215	.0095	.00019
%RSD	50.201	.43023	.51061	17.271	25.005	.43360	2.3984
#1	-10.692	200.60	-9883.2	.00740	.00735	2.1796	.00794
#2	-6.3474	201.37	-9905.7	.00992	.00735	2.1823	.00824
#3	-3.7961	202.33	-9980.0	.01035	.01107	2.1972	.00788
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25156**	**.25950**	**.00615**	**.24645**	**1.8752**	**.05425**
Stddev	.00143	.00143	.00104	.00110	.0035	.00010
%RSD	.56928	.55261	16.857	.44652	.18747	.18118
#1	.24991	.25800	.00564	.24711	1.8758	.05417
#2	.25240	.26086	.00546	.24517	1.8784	.05436
#3	.25238	.25963	.00734	.24705	1.8714	.05421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63027.**	**71641.**
Stddev	43.	244.
%RSD	.06787	.34009
#1	62983.	71922.
#2	63068.	71500.
#3	63031.	71500.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 20:12:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42907**	**9.8428**	**.41659**	**.51833**	**.98224**	**.05241**	**9.8206**
Stddev	.00341	.0279	.00041	.00254	.00433	.00013	.0345
%RSD	.79474	.28317	.09725	.48931	.44054	.23864	.35164
#1	.42517	9.8322	.41693	.51541	.97784	.05229	9.7971
#2	.43055	9.8218	.41668	.51952	.98238	.05239	9.8045
#3	.43150	9.8744	.41614	.52004	.98649	.05254	9.8603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05279**	**.21339**	**.52206**	**.52673**	**3.9798**	**49.780**	**1.0004**
Stddev	.00009	.00026	.00108	.00035	.0198	.079	.0031
%RSD	.16689	.12044	.20761	.06679	.49731	.15953	.30818
#1	.05270	.21363	.52092	.52710	3.9579	49.696	.99760
#2	.05281	.21312	.52308	.52670	3.9853	49.792	.99991
#3	.05287	.21343	.52217	.52640	3.9963	49.853	1.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.142**	**.50601**	**1.0072**	**50.415**	**.52064**	**10.182**	**.52722**
Stddev	.049	.00108	.0009	.140	.00056	.014	.00037
%RSD	.47879	.21383	.09293	.27706	.10764	.13566	.07101
#1	10.086	.50485	1.0066	50.397	.52067	10.167	.52695
#2	10.169	.50620	1.0068	50.284	.52007	10.190	.52765
#3	10.171	.50699	1.0083	50.562	.52119	10.191	.52707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 20:12:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.1930**	**10.593**	F **16.680**	**1.2603**	**.41973**	**5.1669**	**1.0397**
Stddev	6.4103	.081	1.149	.0015	.00289	.0015	.0010
%RSD	152.88	.76758	6.8873	.11630	.68919	.02960	.09409
#1	-1.6256	10.645	15.580	1.2588	.41797	5.1652	1.0390
#2	11.065	10.636	17.872	1.2618	.41815	5.1681	1.0393
#3	3.1399	10.500	16.587	1.2604	.42307	5.1674	1.0408
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99428**	**1.0013**	**.53431**	**1.0502**	**1.0353**	**1.0238**
Stddev	.00287	.0025	.00071	.0047	.0006	.0044
%RSD	.28837	.25276	.13320	.44665	.06228	.43379
#1	.99527	1.0001	.53465	1.0450	1.0349	1.0193
#2	.99105	.99961	.53479	1.0516	1.0349	1.0282
#3	.99652	1.0042	.53349	1.0540	1.0360	1.0238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63319.**	**70453.**
Stddev	159.	543.
%RSD	.25104	.77091
#1	63428.	71065.
#2	63392.	70030.
#3	63137.	70262.

Approved: April 05, 2011

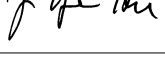
Sample Name: CCB Acquired: 4/4/2011 20:16:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**-.00189**	**.00010**	**.00077**	**.00008**	**.00001**	**-.00998**
Stddev	.00007	.01244	.00088	.00025	.00011	.00002	.00672
%RSD	11.185	657.62	907.75	32.103	134.61	400.40	67.327
#1	-.00056	-.00444	.00100	.00074	-.00001	.00000	-.00696
#2	-.00056	-.01287	.00005	.00102	.00021	.00003	-.00530
#3	-.00067	.01163	-.00076	.00053	.00005	-.00001	-.01768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00005**	**.00010**	**-.00001**	**.00685**	**.11017**	**.00003**
Stddev	.00006	.00013	.00018	.00003	.00594	.01697	.00162
%RSD	167.47	238.15	182.31	446.78	86.741	15.407	5970.7
#1	.00009	.00010	.00005	.00002	.00399	.11626	.00115
#2	.00005	.00015	.00031	-.00004	.01368	.12326	-.00183
#3	-.00003	-.00009	-.00005	.00000	.00288	.09099	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**-.00003**	**-.00009**	**.00622**	**.00030**	**.00051**	**.00045**
Stddev	.00681	.00022	.00011	.00805	.00021	.00279	.00025
%RSD	127.06	660.77	116.65	129.34	70.133	545.48	54.113
#1	.00447	-.00022	-.00005	-.00074	.00011	.00155	.00044
#2	.01256	.00021	-.00001	.01503	.00026	.00262	.00071
#3	-.00096	-.00010	-.00022	.00438	.00052	-.00265	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: CCB Acquired: 4/4/2011 20:16:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.443**	F **-.14654**	F **10.645**	**.00018**	**.00079**	**.00071**	**-.00078**
Stddev	4.792	.02661	4.045	.00147	.00098	.00042	.00006
%RSD	41.878	18.161	38.003	799.10	124.18	58.702	7.9778
#1	16.961	-.11584	7.5743	-.00134	.00164	.00070	-.00080
#2	9.0345	-.16085	9.1321	.00030	-.00028	.00114	-.00072
#3	8.3327	-.16295	15.229	.00159	.00100	.00030	-.00084
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00055**	**-.00073**	**.00014**	**-.00036**	**.00011**
Stddev	.00004	.00066	.00099	.00009	.00005	.00011
%RSD	76.536	119.84	136.19	66.625	14.853	102.98
#1	-.00001	-.00105	.00041	.00015	-.00036	.00006
#2	-.00007	.00020	-.00117	.00004	-.00041	.00023
#3	-.00008	-.00082	-.00143	.00022	-.00030	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65437.**	**71100.**
Stddev	18.	959.
%RSD	.02677	1.3489
#1	65425.	69998.
#2	65457.	71748.
#3	65430.	71553.

Approved: April 05, 2011

2.1.2 Metals ICP-MS Data

2.1.2.1 Summary Data

Login Number: L11040066

Department: Metals

Analyst: Ji Hu

METHOD

Preparation: SW-846 3015

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360750 - All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: WG360750 - Due to the high levels of nontarget analytes, all client samples were analyzed at dilutions for all analytes.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 24902
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040066

04/06/11 14:54

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4111-SS-4'-SW-6	L11040066-01	6020	5	04-APR-11
SWMU-57-4111-SS-1'-SW-7	L11040066-02	6020	5	04-APR-11
SWMU-57-4111-SS-FC-2'-NUM7	L11040066-03	6020	5	04-APR-11
SWMU-57-4111-SS-7'-SW-8	L11040066-04	6020	5	04-APR-11
SWMU-57-4111-SS-7'-SW-9	L11040066-05	6020	5	04-APR-11
SWMU-57-4111-SS-15'-FC-NUM8	L11040066-06	6020	5	04-APR-11
SWMU-57-4111-SS-7.5'-SW-13	L11040066-07	6020	5	04-APR-11
SWMU-57-4211-SS-7.5'-SW-10	L11040066-08	6020	5	04-APR-11

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-01	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-4'-SW-6	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:15
Collect Date:	04/01/2011 09:40	Dilution:	5	File ID:	EL.040411.171533
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	76.3

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	0.580	J	0.637	0.318
Chromium, Total	7440-47-3	51.4		2.55	1.27

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-02	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-1'-SW-7	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:22
Collect Date:	04/01/2011 11:45	Dilution:	5	File ID:	EL.040411.172239
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	77.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.625	0.312
Chromium, Total	7440-47-3	63.3		2.50	1.25

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-03	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-FC-2'-NUM	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:29
Collect Date:	04/01/2011 12:00	Dilution:	5	File ID:	EL.040411.172946
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	75.8

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.651	0.325
Chromium, Total	7440-47-3	31.6		2.60	1.30

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-04	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-7'-SW-8	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:36
Collect Date:	04/01/2011 14:00	Dilution:	5	File ID:	EL.040411.173653
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	76.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.622	0.311
Chromium, Total	7440-47-3	21.2		2.49	1.24

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-05	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-7'-SW-9	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:44
Collect Date:	04/01/2011 14:25	Dilution:	5	File ID:	EL.040411.174401
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	76.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	0.367	J	0.643	0.322
Chromium, Total	7440-47-3	22.6		2.57	1.29

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-06	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-15'-FC-NUI	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:51
Collect Date:	04/01/2011 14:55	Dilution:	5	File ID:	EL.040411.175109
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	80.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	0.614		0.597	0.299
Chromium, Total	7440-47-3	22.3		2.39	1.19

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-07	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4111-SS-7.5'-SW-1	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 17:58
Collect Date:	04/01/2011 16:25	Dilution:	5	File ID:	EL.040411.175816
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	82.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.580	0.290
Chromium, Total	7440-47-3	26.5		2.32	1.16

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040066**
Report Date : **April 6, 2011**

Sample Number:	L11040066-08	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4211-SS-7.5'-SW-1(	Prep Method:	3051A	Prep Date:	04/04/2011 13:14
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/04/2011 10:32
Workgroup Number:	WG360750	Analyst:	EDL	Run Date:	04/04/2011 18:05
Collect Date:	04/01/2011 07:50	Dilution:	5	File ID:	EL.040411.180522
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	75.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.658	0.329
Chromium, Total	7440-47-3	15.5		2.63	1.32

U Analyte was not detected. The concentration is below the reported LOD.

2.1.2.2 QC Summary Data

Example 6020 Calculations
Perkin Elmer ELAN 6100

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	100
Vi = Initial volume	40
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/L)	0.25

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	200
Vi = Initial volume	0.5
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/kg)	40

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	40
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	50

50 ug/kg = 0.050 mg/kg

Perkin Elmer ELAN ICP/MS

STANDARDS KEY

QC Std 1 - ICV
QC Std 2 - ICB
QC Std 3 - LLICV
QC Std 4 - ICSA
QC Std 5 - ICSAB
QC Std 6 - CCV
QC Std 7 - CCB
QC Std 8 - LLCCV

Calibration Solutions

Analyte	Stock Conc. (mg/L)	S1 (mg/L)	S2 (mg/L)	S3 (mg/L)	S4 (mg/L)
Al	10	0	0.0004	0.05	0.1
Sb	10	0	0.0004	0.05	0.1
As	10	0	0.0004	0.05	0.1
Ba	10	0	0.0004	0.05	0.1
Be	10	0	0.0004	0.05	0.1
Ca	1000	0	0.04	5	10
Cd	10	0	0.0004	0.05	0.1
Cr	10	0	0.0004	0.05	0.1
Co	10	0	0.0004	0.05	0.1
Cu	10	0	0.0004	0.05	0.1
Fe	1000	0	0.04	5	10
Pb	10	0	0.0004	0.05	0.1
Mg	1000	0	0.04	5	10
Mn	10	0	0.0004	0.05	0.1
Ni	10	0	0.0004	0.05	0.1
K	1000	0	0.04	5	10
Se	10	0	0.0004	0.05	0.1
Ag	10	0	0.0004	0.05	0.1
Na	1000	0	0.04	5	10
Tl	10	0	0.0004	0.05	0.1
V	10	0	0.0004	0.05	0.1
U	1000	0	0.0004	0.05	0.1
Zn	10	0	0.0004	0.05	0.1

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360724
Analyst: VC
Spike Analyst: VC
Run Date: 04/04/2011 13:14
Method: 3051A
Balance: BAL013
Instrument: MW-2

SOP: ME406 Revison 12
Spike Solution: STD41894
Spike Witness: REK
HNO3 Lot #: COA15353
Digestion Tubes Lot #: COA15342

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360724-02	BLANK	7	.5 g	200 mL	173.512 g	173.506 g		
2	WG360724-03	LCS	7	.5 g	200 mL	175.254 g	175.252 g	.5 mL	
3	L11040066-01	SAMP	7	.515 g	200 mL	174.575 g	174.568 g		04/05/11
4	L11040066-02	SAMP	7	.517 g	200 mL	173.941 g	173.934 g		04/05/11
5	L11040066-03	SAMP	7	.507 g	200 mL	174.549 g	174.543 g		04/05/11
6	L11040066-04	SAMP	7	.526 g	200 mL	173.073 g	173.069 g		04/05/11
7	L11040066-05	SAMP	7	.507 g	200 mL	173.807 g	173.808 g		04/05/11
8	L11040066-06	SAMP	7	.521 g	200 mL	173.773 g	173.768 g		04/05/11
9	L11040066-07	SAMP	7	.523 g	200 mL	173.451 g	173.447 g		04/05/11
10	L11040066-08	SAMP	7	.501 g	200 mL	175.787 g	175.783 g		04/05/11
11	WG360724-01	REF	7	.502 g	200 mL	174.152 g	174.151 g		
12	L11040067-01	RS01	7	.502 g	200 mL	174.152 g	174.151 g		04/11/11
13	WG360724-04	MS	7	.502 g	200 mL	176.17 g	176.166 g	.5 mL	
14	L11040067-02	MS01	7	.502 g	200 mL	176.17 g	176.166 g	.5 mL	04/11/11
15	WG360724-05	MSD	7	.502 g	200 mL	174.826 g	174.823 g	.5 mL	
16	L11040067-03	SD01	7	.502 g	200 mL	174.826 g	174.823 g	.5 mL	04/11/11

Analyst: Vicki Collins

Reviewer:

MW_DIG - Modified 09/30/2009
PDF ID: 1963046
Report generated: 04/04/2011 14:34

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040411A.REP
Analyst1: JYH Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 369155

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360706,360707,360676,360750

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.040411.100552	Blank	Blank		1		04/04/11 10:05
2	EL.040411.101236	WG360790-01	Calibration Point		1		04/04/11 10:12
3	EL.040411.101921	WG360790-02	Calibration Point		1		04/04/11 10:19
4	EL.040411.102606	WG360790-03	Calibration Point		1		04/04/11 10:26
5	EL.040411.103252	WG360790-04	Calibration Point		1		04/04/11 10:32
6	EL.040411.103938	WG360790-05	Initial Calibration Verification		1		04/04/11 10:39
7	EL.040411.104642	WG360790-06	Initial Calib Blank		1		04/04/11 10:46
8	EL.040411.105349	WG360790-07	Low Level Initial Calibration V		1		04/04/11 10:53
9	EL.040411.110058	WG360790-08	Interference Check		1		04/04/11 11:00
10	EL.040411.110806	WG360790-09	Interference Check		1		04/04/11 11:08
11	EL.040411.111514	WG360790-10	CCV		1		04/04/11 11:15
12	EL.040411.112220	WG360790-11	CCB		1		04/04/11 11:22
13	EL.040411.113109	WG360683-01	Method/Prep Blank	.5/200	1		04/04/11 11:31
14	EL.040411.113818	WG360683-02	Laboratory Control S	.5/200	1		04/04/11 11:38
15	EL.040411.114525	WG360683-03	Laboratory Control S	.5/200	1		04/04/11 11:45
16	EL.040411.115230	L11030742-04	MAPEP-11-MAS24	.512/200	10		04/04/11 11:52
17	EL.040411.115935	WG360706-01	Post Digestion Spike		10	L11030742-04	04/04/11 11:59
18	EL.040411.120641	WG360706-02	Serial Dilution		50	L11030742-04	04/04/11 12:06
19	EL.040411.121348	WG360790-12	CCV		1		04/04/11 12:13
20	EL.040411.122054	WG360790-13	CCB		1		04/04/11 12:20
21	EL.040411.122759	WG360675-01	Method/Prep Blank	.5/200	1		04/04/11 12:27
22	EL.040411.123506	WG360675-02	Laboratory Control S	.5/200	1		04/04/11 12:35
23	EL.040411.124213	WG360675-03	Laboratory Control S	.5/200	1		04/04/11 12:42
24	EL.040411.124920	L11030742-04	MAPEP-11-MAS24	.512/200	10		04/04/11 12:49
25	EL.040411.125627	WG360707-01	Post Digestion Spike		10	L11030742-04	04/04/11 12:56
26	EL.040411.130335	WG360707-02	Serial Dilution		50	L11030742-04	04/04/11 13:03
27	EL.040411.131043	WG360790-14	CCV		1		04/04/11 13:10
28	EL.040411.131749	WG360790-15	CCB		1		04/04/11 13:17
29	EL.040411.132508	WG360653-02	Method/Prep Blank	40/100	1		04/04/11 13:25
30	EL.040411.133213	WG360540-01	Fluid Blank		1		04/04/11 13:32
31	EL.040411.133918	WG360592-01	Fluid Blank		1		04/04/11 13:39
32	EL.040411.134623	WG360653-04	Filter Blank		1		04/04/11 13:46
33	EL.040411.135329	WG360653-03	Laboratory Control S	40/100	1		04/04/11 13:53
34	EL.040411.140035	L11031046-02	60500-SSP0082		5		04/04/11 14:00

Page: 1 Approved: April 05, 2011

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040411A.REP
Analyst1: JYH Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 369155

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360706,360707,360676,360750

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	EL.040411.140742	L11031047-02	60500-C0058		5		04/04/11 14:07
36	EL.040411.141449	WG360676-01	Post Digestion Spike		5	L11031047-02	04/04/11 14:14
37	EL.040411.142156	WG360676-02	Serial Dilution		25	L11031047-02	04/04/11 14:21
38	EL.040411.142903	WG360790-16	CCV		1		04/04/11 14:29
39	EL.040411.143609	WG360790-17	CCB		1		04/04/11 14:36
40	EL.040411.144315	WG360653-01	Reference Sample		1	L11031041-02	04/04/11 14:43
41	EL.040411.145023	WG360653-05	Matrix Spike	40/100	1	L11031041-02	04/04/11 14:50
42	EL.040411.145729	WG360653-06	Matrix Spike Duplica	40/100	1	L11031041-02	04/04/11 14:57
43	EL.040411.150531	L11031046-02	60500-SSP0082	40/100	1		04/04/11 15:05
44	EL.040411.151238	L11031047-02	60500-C0058	40/100	1		04/04/11 15:12
45	EL.040411.151944	WG360676-01	Post Digestion Spike		1	L11031047-02	04/04/11 15:19
46	EL.040411.152652	WG360676-02	Serial Dilution		5	L11031047-02	04/04/11 15:26
47	EL.040411.153359	WG360790-18	CCV		1		04/04/11 15:33
48	EL.040411.154105	WG360790-19	CCB		1		04/04/11 15:41
49	EL.040411.155304	WG360724-02	Method/Prep Blank	.5/200	1		04/04/11 15:53
50	EL.040411.160926	WG360724-03	Laboratory Control S	.5/200	1		04/04/11 16:09
51	EL.040411.161630	WG360724-01	Reference Sample		1	L11040067-01	04/04/11 16:16
52	EL.040411.162554	WG360724-01	Reference Sample		5	L11040067-01	04/04/11 16:25
53	EL.040411.163259	WG360724-04	Matrix Spike	.502/200	5	L11040067-01	04/04/11 16:32
54	EL.040411.164004	WG360724-05	Matrix Spike Duplica	.502/200	5	L11040067-01	04/04/11 16:40
55	EL.040411.164709	WG360750-01	Post Digestion Spike		5	L11040067-01	04/04/11 16:47
56	EL.040411.165415	WG360750-02	Serial Dilution		25	L11040067-01	04/04/11 16:54
57	EL.040411.170122	WG360790-20	CCV		1		04/04/11 17:01
58	EL.040411.170828	WG360790-21	CCB		1		04/04/11 17:08
59	EL.040411.171533	L11040066-01	SWMU-57-4111-SS-4'-SW-6	.515/200	5		04/04/11 17:15
60	EL.040411.172239	L11040066-02	SWMU-57-4111-SS-1'-SW-7	.517/200	5		04/04/11 17:22
61	EL.040411.172946	L11040066-03	SWMU-57-4111-SS-FC-2'-NU	.507/200	5		04/04/11 17:29
62	EL.040411.173653	L11040066-04	SWMU-57-4111-SS-7'-SW-8	.526/200	5		04/04/11 17:36
63	EL.040411.174401	L11040066-05	SWMU-57-4111-SS-7'-SW-9	.507/200	5		04/04/11 17:44
64	EL.040411.175109	L11040066-06	SWMU-57-4111-SS-15'-FC-N	.521/200	5		04/04/11 17:51
65	EL.040411.175816	L11040066-07	SWMU-57-4111-SS-7.5'-SW-	.523/200	5		04/04/11 17:58
66	EL.040411.180522	L11040066-08	SWMU-57-4211-SS-7.5'-SW-	.501/200	5		04/04/11 18:05
67	EL.040411.181230	WG360790-22	CCV		1		04/04/11 18:12
68	EL.040411.181936	WG360790-23	CCB		1		04/04/11 18:19

Page: 2 Approved: April 05, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040411A.REP
Analyst1: JYH Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 369155

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360706,360707,360676,360750

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	EL.040411.182641	L11031014-01	SEPTIC TANK	40/100	5		04/04/11 18:26
70	EL.040411.183346	L11031014-02	SEPTIC TANK	40/100	5		04/04/11 18:33
71	EL.040411.184052	L11031036-01	MW-1	40/100	1		04/04/11 18:40
72	EL.040411.184758	L11031036-02	MW-2A	40/100	1		04/04/11 18:47
73	EL.040411.185504	L11031036-03	MW-4	40/100	1		04/04/11 18:55
74	EL.040411.190211	L11031041-01	MW-23-101	40/100	1		04/04/11 19:02
75	EL.040411.190918	L11031041-03	EB032911	40/100	1		04/04/11 19:09
76	EL.040411.191626	L11040034-36	ORG-SO1-259-14	40/100	1		04/04/11 19:16
77	EL.040411.192333	L11040034-38	ORG-SO2-259-14	40/100	1		04/04/11 19:23
78	EL.040411.193041	WG360790-24	CCV		1		04/04/11 19:30
79	EL.040411.193747	WG360790-25	CCB		1		04/04/11 19:37
80	EL.040411.194454	WG360790-26	Low Level Continuing Calibra		1		04/04/11 19:44
81	EL.040411.195201	L11030742-04	MAPEP-11-MAS24	.512/200	2		04/04/11 19:52
82	EL.040411.195908	L11030742-04	MAPEP-11-MAS24	.512/200	2		04/04/11 19:59
83	EL.040411.200615	WG360790-27	CCV		1		04/04/11 20:06
84	EL.040411.201321	WG360790-28	CCB		1		04/04/11 20:13

  Approved: April 05, 2011

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 04-APR-2011
Analyst: JYH
Analyst: NA
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 360790
Runlog ID: 39833
Analytical Workgroups: 360706,360707,360676,360750

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	X
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	041
Level 4	742,041,046,047,066,067
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
05-APR-2011

Secondary Reviewer:
05-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-05-2011 13:29:23

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6020 AAB#: WG360750

Login Number: L11040066

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-4111-SS-4'-SW-6	01	04/01/11					04/04/11	3.1	180		04/04/11	3.3	180	
SWMU-57-4111-SS-1'-SW-7	02	04/01/11					04/04/11	3.1	180		04/04/11	3.2	180	
SWMU-57-4111-SS-FC-2'-N	03	04/01/11					04/04/11	3.1	180		04/04/11	3.2	180	
SWMU-57-4111-SS-7'-SW-8	04	04/01/11					04/04/11	3	180		04/04/11	3.2	180	
SWMU-57-4111-SS-7'-SW-9	05	04/01/11					04/04/11	3	180		04/04/11	3.1	180	
SWMU-57-4111-SS-15'-FC-	06	04/01/11					04/04/11	2.9	180		04/04/11	3.1	180	
SWMU-57-4111-SS-7.5'-SW	07	04/01/11					04/04/11	2.9	180		04/04/11	3.1	180	
SWMU-57-4211-SS-7.5'-SW	08	04/01/11					04/04/11	3.2	180		04/04/11	3.4	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1963323
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11040066
Blank File ID: EL.040411.155304
Prep Date: 04/04/11 13:14
Analyzed Date: 04/04/11 15:53
Analyst: EDL

Work Group: WG360750
Blank Sample ID: WG360724-02
Instrument ID: ELAN-ICP
Method: 6020

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360724-03	EL.040411.160926	04/04/11 16:09	01
SWMU-57-4111-SS-4'-SW-6	L11040066-01	EL.040411.171533	04/04/11 17:15	DL01
SWMU-57-4111-SS-1'-SW-7	L11040066-02	EL.040411.172239	04/04/11 17:22	DL01
SWMU-57-4111-SS-FC-2'-NUM7	L11040066-03	EL.040411.172946	04/04/11 17:29	DL01
SWMU-57-4111-SS-7'-SW-8	L11040066-04	EL.040411.173653	04/04/11 17:36	DL01
SWMU-57-4111-SS-7'-SW-9	L11040066-05	EL.040411.174401	04/04/11 17:44	DL01
SWMU-57-4111-SS-15'-FC-NUM8	L11040066-06	EL.040411.175109	04/04/11 17:51	DL01
SWMU-57-4111-SS-7.5'-SW-13	L11040066-07	EL.040411.175816	04/04/11 17:58	DL01
SWMU-57-4211-SS-7.5'-SW-10	L11040066-08	EL.040411.180522	04/04/11 18:05	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1963324
Report generated 04/05/2011 07:53

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040066 Prep Date: 04/04/11 13:14 Sample ID: WG360724-02
Instrument ID: ELAN-ICP Run Date: 04/04/11 15:53 Prep Method: 3051A
File ID: EL.040411.155304 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360750 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ELAN-I-04-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Cadmium, Total	0.0500	0.100	0.0500	1	U
Chromium, Total	0.200	0.400	0.200	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1963325
05-APR-2011 07:53

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360724-03
Instrument ID: ELAN-ICP Run Time: 16:09 Prep Method: 3051A
File ID: EL.040411.160926 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360750 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-04-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Cadmium, Total	10.0	10.4	104	80 - 120	
Chromium, Total	10.0	11.6	116	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1963326
Report generated: 04/05/2011 07:53

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11040066 Cal ID:ELAN-ICP- Worknum:WG360750

Instrument ID:ELAN-ICP Contract #: Method:6020

Parent ID:WG360724-01 File ID:EL.040411.162554 Dil:5 Matrix:SOLID

Sample ID:WG360724-04 MS File ID:EL.040411.163259 Dil:5 Units:mg/kg

Sample ID:WG360724-05 MSD File ID:EL.040411.164004 Dil:5 Percent Solid:75.8

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Cadmium, Total	ND	13.1	11.6	88.6	13.1	12.3	93.4	5.27	80 - 120	20	
Chromium, Total	27.6	13.1	40.2	95.6	13.1	41.4	105	2.92	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008

PDF File ID:1963327

Report generated 04/06/2011 14:22

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040066 **Worknum:** WG360750
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG360750-02 **File ID:** EL.040411.165415 **Dil:** 25 **Units:** ug/L
Sample: L11040067-01 **File ID:** EL.040411.162554 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Cadmium	ND	U	ND	U		
Chromium	52.5	X	55.75	X	6.19	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1963321
04/05/2011 07:53

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040066 **Worknum:** WG360750
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG360750-01 **File ID:** EL.040411.164709 **Dil:** 5 **Units:** ug/L
Sample ID: L11040067-01 **File ID:** EL.040411.162554 **Dil:** 5 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
CADMIUM	51.3		0	U	50	102.7	75 - 125	
CHROMIUM	62.2		10.5		50	103.5	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1963322
Report generated: 04/05/2011 07:53

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040066**	Workgroup (AAB#):	**WG360750**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG360790**	Initial Calibration Date:	**04-APR-2011 10:32**

	WG360790-01		WG360790-02		WG360790-03		WG360790-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
CADMIUM	0	-2.14	.4	546	50	70100	100	134000	.999987	
CHROMIUM	0	10700	.4	14200	50	417000	100	772000	.999933	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1963331
Report generated: 05-APR-2011 07:51

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-06
Instrument ID: ELAN-ICP Run Time: 10:46 Method: 6020
File ID: EL.040411.104642 Analyst: EDL Units: ug/L
Workgroup (AAB#): WG360750 Cal ID: ELAN-ICP - 04-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
CADMIUM	.125	.25	.125	U
CHROMIUM	.5	1	.5	U

U = Result is less than 2 x MDL

F = Result is between MDL and 2 x MDL

* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1963333
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040066	Run Date:	04/04/2011	Sample ID:	WG360790-11
Instrument ID:	ELAN-ICP	Run Time:	11:22	Method:	6020
File ID:	EL.040411.112220	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963336
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040066	Run Date:	04/04/2011	Sample ID:	WG360790-19
Instrument ID:	ELAN-ICP	Run Time:	15:41	Method:	6020
File ID:	EL.040411.154105	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963336
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040066	Run Date:	04/04/2011	Sample ID:	WG360790-21
Instrument ID:	ELAN-ICP	Run Time:	17:08	Method:	6020
File ID:	EL.040411.170828	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963336
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040066	Run Date:	04/04/2011	Sample ID:	WG360790-23
Instrument ID:	ELAN-ICP	Run Time:	18:19	Method:	6020
File ID:	EL.040411.181936	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963336
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-05

Instrument ID: ELAN-ICP Run Time: 10:39 Method: 6020

File ID: EL.040411.103938 Analyst: EDL Units: ug/L

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Cadmium		50	50.0	100	90 - 110	
Chromium		50	50.1	100	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1963332

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-10

Instrument ID: ELAN-ICP Run Time: 11:15 Method: 6020

File ID: EL.040411.111514 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	51.4	ug/L	103	90 - 110		
Chromium		50.0	50.2	ug/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963335

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-18

Instrument ID: ELAN-ICP Run Time: 15:33 Method: 6020

File ID: EL.040411.153359 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	48.9	ug/L	97.8	90 - 110		
Chromium		50.0	47.2	ug/L	94.4	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963335

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-20

Instrument ID: ELAN-ICP Run Time: 17:01 Method: 6020

File ID: EL.040411.170122 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.9	ug/L	102	90 - 110		
Chromium		50.0	48.3	ug/L	96.6	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963335

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-22

Instrument ID: ELAN-ICP Run Time: 18:12 Method: 6020

File ID: EL.040411.181230 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.0	ug/L	100	90 - 110		
Chromium		50.0	49.1	ug/L	98.1	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963335

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-07

Instrument ID: ELAN-ICP Run Time: 10:53 Method: 6020

File ID: EL.040411.105349 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.209	ug/L	105	80 - 120		
Chromium		0.800	0.821	ug/L	103	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1963362

Report generated 04/05/2011 07:53

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040066 Run Date: 04/04/2011 Sample ID: WG360790-26

Instrument ID: ELAN-ICP Run Time: 19:44 Method: 6020

File ID: EL.040411.194454 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.219	ug/L	110	80 - 120		
Chromium		0.800	0.800	ug/L	100	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1963362

Report generated 04/05/2011 07:53

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040066 **Workgroup (AAB#):** WG360750
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG360790-08 **File ID:** EL.040411.110058 **Units:** ug/L
Sol. AB : WG360790-09 **File ID:** EL.040411.110806 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Cadmium	NS	0.0893	NS	100	103	103	
Chromium	NS	0.0537	NS	100	97.1	97.1	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11040066 **Analytical Method** 6020
Analytical Workgroup: WG360750 **Matrix:** 7
Instrument: ELAN-ICP **Analyst:** EDL
ICAL Date: 04-APR-2011 10:12

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11040066-01	SAMP	04-APR-2011 17:15	96.408	91.911	87.145	88.942
L11040066-02	SAMP	04-APR-2011 17:22	96.71	92.158	87.29	88.465
L11040066-03	SAMP	04-APR-2011 17:29	97.478	93.193	87.675	89.268
L11040066-04	SAMP	04-APR-2011 17:36	95.492	92.103	87.324	89.412
L11040066-05	SAMP	04-APR-2011 17:44	96.675	91.78	87.415	90.286
L11040066-06	SAMP	04-APR-2011 17:51	97.435	91.508	87.502	89.749
L11040066-07	SAMP	04-APR-2011 17:58	96.635	91.334	87.563	89.219
L11040066-08	SAMP	04-APR-2011 18:05	97.337	90.597	86.673	88.041
L11040067-01	SAMP	04-APR-2011 16:25	97.442	93.078	88.329	89.593
WG360724-02	BLANK	04-APR-2011 15:53	100.055	87.464	87.117	91.395
WG360724-03	LCS	04-APR-2011 16:09	100.234	85.933	88.948	93.477
WG360750-01	PSPK	04-APR-2011 16:47	98.267	94.203	89.562	90.82
WG360750-02	SERIAL	04-APR-2011 16:54	96.349	94.306	89.209	89.622
WG360790-05	ICV	04-APR-2011 10:39	101.069	96.101	98.27	101.273
WG360790-06	ICB	04-APR-2011 10:46	99.963	96.456	97.835	99.626
WG360790-07	LLICV	04-APR-2011 10:53	100.598	98.549	99.48	100.806
WG360790-08	ICS	04-APR-2011 11:00	97.465	95.692	95.707	95.522
WG360790-09	ICS	04-APR-2011 11:08	97.687	90.828	85.543	90.107
WG360790-10	CCV	04-APR-2011 11:15	100.058	95.643	95.838	98.354
WG360790-11	CCB	04-APR-2011 11:22	100.142	96.374	97.235	98.242
WG360790-18	CCV	04-APR-2011 15:33	96.812	85.184	85.161	89.908
WG360790-19	CCB	04-APR-2011 15:41	97.645	85.407	86.048	90.171
WG360790-20	CCV	04-APR-2011 17:01	93.588	93.203	89.828	91.938
WG360790-21	CCB	04-APR-2011 17:08	93.812	94.337	90.461	91.787
WG360790-22	CCV	04-APR-2011 18:12	94.781	92.468	90.602	91.327
WG360790-23	CCB	04-APR-2011 18:19	99.077	96.44	93.271	94.409
WG360790-26	LLCCV	04-APR-2011 19:44	97.898	92.614	90.179	91.019

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1963330
Report generated: 04/05/2011 07:53

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040066 **Date:** 12/07/2010
Insturment ID: ELAN-ICP **Method:** 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Barium	1.00	100.0
Cadmium	1.00	100.0
Chromium	1.00	100.0
Cobalt	1.00	100.0
Copper	1.00	100.0
Lead	1.00	100.0
Manganese	1.00	100.0
Nickel	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0
Uranium	1.00	100.0
Vanadium	1.00	100.0
Zinc	1.00	100.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1963328
Report generated: 04/05/2011 07:51

2.1.2.3 Raw Data

Instrument Tuning Report

File Name: 06302008.tun
File Path: C:\Elandata\Tuning\06302008.tun

Sample Information

Sample Date/Time: Monday, April 04, 2011 09:24:02

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.026	616	2060	0.744	
Li	7.016	7.029	1583	2060	0.712	
Co	58.933	58.979	14283	1990	0.665	
Ce	139.905	139.928	33995	2025	0.684	
Tl	204.975	204.926	49689	2255	0.709	

Relative Std. Dev.

Mass	Meas. Intens. RSD
2.000	0.597
3.000	0.842
4.000	34.632
5.000	16.443
6.000	0.925
7.000	1.983
8.000	23.463
9.000	2.411
58.000	2.190
59.000	1.350
60.000	8.294
139.000	3.567
140.000	0.788
141.000	12.529
204.000	1.421
205.000	0.776
206.000	1.281

Report Date/Time: Monday, April 04, 2011 09:25:13
Page 1

Approved: April 05, 2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, April 04, 2011 09:27:23
Sample Description:
Method File: C:\Elandata\Method\6020 DAILY.mth
Dataset File: C:\elandata\Dataset\032811\Sample.455
Tuning File: C:\Elandata\Tuning\06302008.tun
Optimization File: C:\elandata\Optimize\Default.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 50
Current Dead Time (ns): 50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	63402.8	63402.765	348.837	0.6
	Rh	102.9	283484.9	283484.870	1090.153	0.4
	In	114.9	613526.6	613526.571	1615.660	0.3
	Pb	208.0	228196.3	228196.281	1406.999	0.6
	U	238.1	23.1	23.100	4.350	18.8
⌈>	Ba	137.9	326597.1	326597.080	915.169	0.3
⌊	Ba++	69.0	5507.9	0.017	0.000	0.9
⌈>	Ce	139.9	329059.3	329059.336	1337.562	0.4
⌊	CeO	155.9	8403.0	0.026	0.001	2.9
	Bkgd	220.0	12.5	12.500	1.225	9.8
	Ar2	79.9	6515052.7	6515052.691	31745.817	0.5

Current Optimization File Data

Current Value	Description
0.98	Nebulizer Gas Flow
6.40	Lens Voltage
1500.00	ICP RF Power
-1862.50	Analog Stage Voltage
1000.00	Pulse Stage Voltage
20.00	Discriminator Threshold
-10.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	33	5.3	3999.5
Co	59	33	6.0	120809.0
Rh	103	33	6.8	174421.7
Pb	208	33	7.8	173459.1

Sample ID: Sample
Report Date/Time: Monday, April 04, 2011 09:29:31
Page 1

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, April 04, 2011 10:05:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

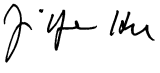
User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20754.939					ug/L
|	Be	9	7.333					ug/L
|	Al	27	2066.889					ug/L
|>	Sc	45	189699.302					ug/L
⌈	Ti	49	43.338					ug/L
|	V	51	3058.334					ug/L
|	Cr	52	10327.768					ug/L
|	Cr	53	396.714					ug/L
|	Mn	55	427.013					ug/L
|	Co	59	122.335					ug/L
|	Ni	60	109.335					ug/L
|	Cu	65	83.001					ug/L
|	Zn	66	170.003					ug/L
|>	Ge	72	375388.964					ug/L
|	As	75	-224.068					ug/L
|	Se	77	106.667					ug/L
|	Se	82	4.055					ug/L
⌊	Rb	85	20.667					mg/L
	Y	89	263064.801					ug/L
	Rh	103	16.667					ug/L
⌈	Mo	98	15.575					ug/L
|	Ag	107	29.667					ug/L
|	Cd	114	1.732					ug/L
|>	In	115	367824.735					ug/L
|	Sn	118	124.801					ug/L
⌊	Sb	123	20.529					ug/L
⌈	Ba	135	35.334					ug/L
|	Ce	140	23.336					ug/L
⌊>	Tb	159	429892.178					ug/L
⌈	Ho	165	13.335					ug/L
|	Tl	203	45.667					ug/L
|	Tl	205	66.674					ug/L
|	Pb	206	336.342					ug/L
|	Pb	207	285.674					ug/L
|	Pb	208	1311.380					ug/L
|	U	238	16.334					ug/L
⌊>	Bi	209	382786.439					ug/L

Sample ID: Blank
Report Date/Time: Monday, April 04, 2011 10:08:03
Page 1

Approved: April 05, 2011



Na	23	10690.130		mg/L
Mg	24	123.346		mg/L
K	39	408962.521		mg/L
Ca	43	330.039		mg/L
Fe	54	47135.579		mg/L
Fe	57	9368.664		mg/L
Sc-1	45	189699.302		mg/L
Cl	35	25998.430		mg/L
Kr	83	70.334		mg/L
Br	81	10328.001		mg/L
P	31	9661.359		mg/L
S	34	153526.638		mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					
Na	23					

Sample ID: Blank
Report Date/Time: Monday, April 04, 2011 10:08:03
Page 2

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Blank
Report Date/Time: Monday, April 04, 2011 10:08:03
Page 3

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Monday, April 04, 2011 10:12:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20270.544	-0.00				ug/L
|	Be	9	8.667	0.00				ug/L
|	Al	27	1900.184	-0.00				ug/L
|>	Sc	45	189683.366	189683.37				ug/L
⌈	Ti	49	73.341	0.00				ug/L
|	V	51	3272.278	0.00				ug/L
|	Cr	52	10703.166	0.00				ug/L
|	Cr	53	490.061	0.00				ug/L
|	Mn	55	479.683	0.00				ug/L
|	Co	59	149.003	0.00				ug/L
|	Ni	60	130.002	0.00				ug/L
|	Cu	65	106.335	0.00				ug/L
|	Zn	66	178.003	0.00				ug/L
|>	Ge	72	386393.861	386393.86				ug/L
|	As	75	-267.327	-0.00				ug/L
|	Se	77	87.334	-0.00				ug/L
|	Se	82	-7.365	-0.00				ug/L
⌊	Rb	85	27.000	0.00				mg/L
	Y	89	265878.055	2813.25				ug/L
	Rh	103	18.334	1.67				ug/L
⌈	Mo	98	19.059	0.00				ug/L
|	Ag	107	28.334	-0.00				ug/L
|	Cd	114	-2.141	-0.00				ug/L
|>	In	115	369972.873	369972.87				ug/L
|	Sn	118	118.534	-0.00				ug/L
⌊	Sb	123	42.821	0.00				ug/L
⌈	Ba	135	31.000	-0.00				ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	437657.205	437657.21				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	36.334	-0.00				ug/L
|	Tl	205	63.340	-0.00				ug/L
|	Pb	206	331.342	-0.00				ug/L
|	Pb	207	303.008	0.00				ug/L
|	Pb	208	1347.716	0.00				ug/L
|	U	238	19.334	0.00				ug/L
⌊>	Bi	209	387073.268	387073.27				ug/L

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⌈	Na	23	10970.453	0.00		mg/L
|	Mg	24	150.016	0.00		mg/L
|	K	39	412708.402	0.02		mg/L
|	Ca	43	310.036	-0.00		mg/L
|	Fe	54	46588.920	-0.00		mg/L
|	Fe	57	9161.785	-0.00		mg/L
⌊>	Sc-1	45	189683.366	189683.37		mg/L
	Cl	35	21390.854	-4607.58		mg/L
	Kr	83	80.334	10.00		mg/L
	Br	81	10905.282	577.28		mg/L
	P	31	9498.523	-162.84		mg/L
	S	34	156777.107	3250.47		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Monday, April 04, 2011 10:19:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18867.799	-0.01				ug/L
|	Be	9	116.001	0.00				ug/L
|	Al	27	4551.045	0.01				ug/L
⌊>	Sc	45	189738.521	189738.52				ug/L
⌈	Ti	49	520.066	0.00				ug/L
|	V	51	7250.344	0.01				ug/L
|	Cr	52	14172.177	0.01				ug/L
|	Cr	53	736.768	0.00				ug/L
|	Mn	55	5936.488	0.01				ug/L
|	Co	59	4440.697	0.01				ug/L
|	Ni	60	1037.398	0.00				ug/L
|	Cu	65	1038.398	0.00				ug/L
|	Zn	66	863.713	0.00				ug/L
|>	Ge	72	378970.963	378970.96				ug/L
|	As	75	194.700	0.00				ug/L
|	Se	77	138.668	0.00				ug/L
|	Se	82	39.012	0.00				ug/L
⌊	Rb	85	50.334	0.00				mg/L
	Y	89	265050.377	1985.58				ug/L
	Rh	103	13.000	-3.67				ug/L
⌈	Mo	98	2674.553	0.01				ug/L
|	Ag	107	2816.425	0.01				ug/L
|	Cd	114	546.227	0.00				ug/L
|>	In	115	362155.079	362155.08				ug/L
|	Sn	118	2100.221	0.01				ug/L
⌊	Sb	123	1838.509	0.01				ug/L
⌈	Ba	135	735.034	0.00				ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	425459.887	425459.89				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	3087.174	0.01				ug/L
|	Tl	205	7693.728	0.02				ug/L
|	Pb	206	2779.747	0.01				ug/L
|	Pb	207	2542.015	0.01				ug/L
|	Pb	208	11464.711	0.03				ug/L
|	U	238	16466.044	0.04				ug/L
⌊>	Bi	209	382721.070	382721.07				ug/L

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Na	23	233460.611	1.18			mg/L
Mg	24	153318.364	0.81			mg/L
K	39	741590.488	1.76			mg/L
Ca	43	973.478	0.00			mg/L
Fe	54	73966.402	0.14			mg/L
Fe	57	19658.025	0.05			mg/L
Sc-1	45	189738.521	189738.52			mg/L
Cl	35	20386.765	-5611.66			mg/L
Kr	83	75.334	5.00			mg/L
Br	81	10741.768	413.77			mg/L
P	31	9936.969	275.61			mg/L
S	34	158575.546	5048.91			mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					
Na	23					

Sample ID: Standard 2
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
Report Date/Time: Monday, April 04, 2011 10:21:32

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Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Monday, April 04, 2011 10:26:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18734.266	-0.01				ug/L
|	Be	9	14814.299	0.08	50.0000	1.784	3.569	ug/L
|	Al	27	297665.275	1.60	50.0000	1.688	3.376	ug/L
⌊>	Sc	45	184996.697	184996.70				ug/L
⌈	Ti	49	60022.370	0.16	100.0000	2.630	2.630	ug/L
|	V	51	485535.740	1.31	50.0000	0.378	0.755	ug/L
|	Cr	52	416699.609	1.10	50.0000	0.366	0.732	ug/L
|	Cr	53	49316.271	0.13	50.0000	1.066	2.131	ug/L
|	Mn	55	635418.987	1.72	50.0000	0.573	1.147	ug/L
|	Co	59	500122.772	1.36	50.0000	0.723	1.445	ug/L
|	Ni	60	105282.733	0.29	50.0000	0.735	1.470	ug/L
|	Cu	65	111459.236	0.30	50.0000	0.383	0.766	ug/L
|	Zn	66	65323.025	0.18	50.0000	0.574	1.148	ug/L
|>	Ge	72	368944.244	368944.24				ug/L
|	As	75	61480.127	0.17	50.0000	0.210	0.419	ug/L
|	Se	77	5089.295	0.01	50.0000	0.537	1.074	ug/L
|	Se	82	6159.073	0.02	50.0000	0.666	1.332	ug/L
⌊	Rb	85	2370.972	0.01				mg/L
	Y	89	260872.299	-2192.50				ug/L
	Rh	103	44.667	28.00				ug/L
⌈	Mo	98	326532.286	0.88	100.0000	1.088	1.088	ug/L
|	Ag	107	341544.423	0.92	50.0000	0.829	1.657	ug/L
|	Cd	114	70072.377	0.19	50.0000	1.424	2.848	ug/L
|>	In	115	369725.225	369725.22				ug/L
|	Sn	118	253014.133	0.68	50.0000	0.173	0.346	ug/L
⌊	Sb	123	220803.519	0.60	50.0000	0.109	0.217	ug/L
⌈	Ba	135	90444.760	0.21	50.0000	0.506	1.013	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	435224.633	435224.63				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	370657.935	0.98	50.0000	0.591	1.182	ug/L
|	Tl	205	911716.890	2.41	50.0000	0.541	1.081	ug/L
|	Pb	206	300636.199	0.79	50.0000	0.153	0.307	ug/L
|	Pb	207	284641.376	0.75	50.0000	0.033	0.065	ug/L
|	Pb	208	1262554.619	3.33	50.0000	0.298	0.596	ug/L
|	U	238	2009467.223	5.31	50.0000	0.279	0.557	ug/L
⌊>	Bi	209	378735.814	378735.81				ug/L

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⌈	Na	23	25626469.678	138.64	5.0000	0.323	6.469	mg/L
|	Mg	24	17276897.014	93.48	5.0000	0.235	4.692	mg/L
|	K	39	35049971.040	187.38	5.0000	0.136	2.724	mg/L
|	Ca	43	85092.319	0.46	5.0000	0.132	2.636	mg/L
|	Fe	54	3034583.426	16.17	5.0000	0.156	3.113	mg/L
|	Fe	57	1254440.777	6.74	5.0000	0.154	3.080	mg/L
⌊>	Sc-1	45	184996.697	184996.70				mg/L
	Cl	35	19673.336	-6325.09				mg/L
	Kr	83	68.334	-2.00				mg/L
	Br	81	10379.387	51.39				mg/L
	P	31	9812.817	151.46				mg/L
	S	34	175438.433	21911.80				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
\>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
\>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 3
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Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Monday, April 04, 2011 10:32:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18801.085	-0.00				ug/L
|	Be	9	28492.534	0.16	100.2014	3.963	3.955	ug/L
|	Al	27	541128.039	3.05	97.6008	6.053	6.202	ug/L
⌊>	Sc	45	177190.822	177190.82				ug/L
⌈	Ti	49	112210.853	0.32	197.3749	6.075	3.078	ug/L
|	V	51	905661.132	2.55	98.7143	1.052	1.066	ug/L
|	Cr	52	772335.416	2.15	98.8558	0.878	0.888	ug/L
|	Cr	53	89985.590	0.25	97.6158	2.725	2.792	ug/L
|	Mn	55	1181576.910	3.33	98.4289	0.449	0.456	ug/L
|	Co	59	935336.991	2.64	98.7027	1.383	1.401	ug/L
|	Ni	60	196624.553	0.55	98.6544	0.691	0.700	ug/L
|	Cu	65	207084.347	0.58	98.3871	0.530	0.539	ug/L
|	Zn	66	125146.140	0.35	100.0124	0.526	0.526	ug/L
| >	Ge	72	354216.995	354216.99				ug/L
|	As	75	114302.967	0.32	98.2769	1.389	1.413	ug/L
|	Se	77	8952.006	0.02	96.0691	2.705	2.816	ug/L
|	Se	82	11152.097	0.03	97.0363	1.090	1.123	ug/L
⌊	Rb	85	4485.051	0.01				mg/L
	Y	89	240273.059	-22791.74				ug/L
	Rh	103	67.668	51.00				ug/L
⌈	Mo	98	590994.122	1.69	195.5783	1.757	0.899	ug/L
|	Ag	107	639170.666	1.83	99.4550	0.245	0.246	ug/L
|	Cd	114	133958.308	0.38	100.5153	3.156	3.140	ug/L
| >	In	115	349809.718	349809.72				ug/L
|	Sn	118	478028.861	1.37	99.9363	1.166	1.167	ug/L
⌊	Sb	123	425324.725	1.22	100.8999	0.122	0.121	ug/L
⌈	Ba	135	173655.254	0.41	99.0803	0.723	0.730	ug/L
|	Ce	140	76.675	0.00				ug/L
⌊>	Tb	159	425673.054	425673.05				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	728896.630	1.97	100.2599	1.540	1.536	ug/L
|	Tl	205	1782301.442	4.81	99.9631	0.853	0.853	ug/L
|	Pb	206	589999.586	1.59	100.1790	0.832	0.830	ug/L
|	Pb	207	557177.110	1.50	100.0516	2.476	2.475	ug/L
|	Pb	208	2474727.519	6.68	100.1145	1.076	1.075	ug/L
|	U	238	3907507.944	10.55	99.6978	1.777	1.783	ug/L
⌊>	Bi	209	370540.295	370540.30				ug/L

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⌈	Na	23	49477630.858	279.31	10.0376	0.225	2.239	mg/L
|	Mg	24	33676000.287	190.22	10.0875	0.388	3.844	mg/L
|	K	39	67138126.630	377.16	10.0353	0.444	4.429	mg/L
|	Ca	43	153125.415	0.86	9.6990	0.445	4.587	mg/L
|	Fe	54	5594178.624	31.37	9.8511	0.548	5.565	mg/L
|	Fe	57	2348815.468	13.22	9.9052	0.326	3.296	mg/L
⌊>	Sc-1	45	177190.822	177190.82				mg/L
	Cl	35	18233.276	-7765.15				mg/L
	Kr	83	74.334	4.00				mg/L
	Br	81	9359.054	-968.95				mg/L
	P	31	9298.333	-363.03				mg/L
	S	34	175213.034	21686.40				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
Report Date/Time: Monday, April 04, 2011 10:35:04

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Monday, April 04, 2011 10:39:38
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18817.698	-0.01				ug/L
|	Be	9	14649.393	0.08	48.2372	1.635	3.390	ug/L
|	Al	27	295746.430	1.55	49.6931	0.155	0.311	ug/L
⌊>	Sc	45	189225.185	189225.18				ug/L
⌈	Ti	49	56508.192	0.16	97.5644	1.444	1.480	ug/L
|	V	51	463975.019	1.28	49.4906	0.831	1.679	ug/L
|	Cr	52	403962.734	1.09	50.1296	0.183	0.365	ug/L
|	Cr	53	46331.715	0.13	49.1830	0.909	1.848	ug/L
|	Mn	55	603769.550	1.67	49.3552	0.559	1.133	ug/L
|	Co	59	482295.265	1.34	49.9502	0.475	0.951	ug/L
|	Ni	60	101690.137	0.28	50.0552	0.507	1.012	ug/L
|	Cu	65	106992.083	0.30	49.8812	0.214	0.429	ug/L
|	Zn	66	64795.910	0.18	50.7220	0.147	0.290	ug/L
|>	Ge	72	360750.932	360750.93				ug/L
|	As	75	58228.307	0.16	49.2735	0.508	1.030	ug/L
|	Se	77	4829.833	0.01	50.4212	1.163	2.306	ug/L
|	Se	82	5775.168	0.02	49.3779	0.554	1.122	ug/L
⌊	Rb	85	2266.946	0.01				mg/L
	Y	89	249826.888	-13237.91				ug/L
	Rh	103	33.000	16.33				ug/L
⌈	Mo	98	311943.690	0.86	99.8790	0.761	0.762	ug/L
|	Ag	107	328978.396	0.91	49.5268	0.699	1.412	ug/L
|	Cd	114	68848.256	0.19	49.9917	0.950	1.901	ug/L
|>	In	115	361461.169	361461.17				ug/L
|	Sn	118	246263.097	0.68	49.8098	0.509	1.023	ug/L
⌊	Sb	123	216415.692	0.60	49.6741	0.501	1.009	ug/L
⌈	Ba	135	89037.202	0.20	49.6594	0.384	0.772	ug/L
|	Ce	140	60.006	0.00				ug/L
⌊>	Tb	159	435365.724	435365.72				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	372901.198	0.96	49.1203	0.730	1.487	ug/L
|	Tl	205	932984.692	2.41	50.1135	1.119	2.232	ug/L
|	Pb	206	303144.396	0.78	49.2691	0.418	0.848	ug/L
|	Pb	207	284549.036	0.73	48.9068	0.598	1.223	ug/L
|	Pb	208	1261393.231	3.26	48.8455	0.225	0.460	ug/L
|	U	238	2054641.302	5.31	50.2018	1.045	2.081	ug/L
⌊>	Bi	209	386877.254	386877.25				ug/L

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⌈	Na	23	26027222.279	137.61	4.9440	0.203	4.114	mg/L
|	Mg	24	17293804.758	91.50	4.8507	0.220	4.529	mg/L
|	K	39	33696310.526	176.17	4.6837	0.265	5.660	mg/L
|	Ca	43	80605.047	0.42	4.7683	0.093	1.944	mg/L
|	Fe	54	2898498.493	15.08	4.7342	0.165	3.490	mg/L
|	Fe	57	1218585.139	6.40	4.7937	0.196	4.093	mg/L
⌊>	Sc-1	45	189225.185	189225.18				mg/L
	Cl	35	17649.563	-8348.87				mg/L
	Kr	83	68.668	-1.67				mg/L
	Br	81	9390.410	-937.59				mg/L
	P	31	9809.509	148.15				mg/L
	S	34	177935.597	24408.96				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9	96.474				
|	Al	27	99.386				
⌊>	Sc	45					
⌈	Ti	49	97.564				
|	V	51	98.981				
|	Cr	52	100.259				
|	Cr	53					
|	Mn	55	98.710				
|	Co	59	99.900				
|	Ni	60	100.110				
|	Cu	65	99.762				
|	Zn	66	101.444				
|>	Ge	72		96.101			
|	As	75	98.547				
|	Se	77					
|	Se	82	98.756				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	99.054				
|	Cd	114	99.983				
|>	In	115		98.270			
|	Sn	118					
⌊	Sb	123	99.348				
⌈	Ba	135	99.319				
|	Ce	140					
⌊>	Tb	159		101.273			
⌈	Ho	165					
|	Tl	203	98.241				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	97.691				
|	U	238	100.404				
⌊>	Bi	209		101.069			
⌈	Na	23	98.881				

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|	Mg	24	97.013
|	K	39	93.673
|	Ca	43	95.365
|	Fe	54	94.685
|	Fe	57	95.873
|>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 1
Report Date/Time: Monday, April 04, 2011 10:41:49

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Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Monday, April 04, 2011 10:46:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19318.651	-0.00				ug/L
|	Be	9	11.333	0.00	0.0579	0.011	18.424	ug/L
|	Al	27	2116.898	0.00	-0.0045	0.083	1832.067	ug/L
⌊>	Sc	45	183365.967	183365.97				ug/L
⌈	Ti	49	56.673	0.00	0.0427	0.043	101.230	ug/L
|	V	51	3096.471	0.00	-0.0099	0.005	51.736	ug/L
|	Cr	52	10211.647	0.00	-0.0225	0.016	72.466	ug/L
|	Cr	53	426.719	0.00	0.1048	0.048	45.351	ug/L
|	Mn	55	384.345	-0.00	-0.0312	0.003	10.651	ug/L
|	Co	59	147.336	0.00	-0.0230	0.001	4.943	ug/L
|	Ni	60	95.001	-0.00	-0.0403	0.006	15.777	ug/L
|	Cu	65	95.001	0.00	-0.0172	0.006	32.903	ug/L
|	Zn	66	207.004	0.00	-0.0846	0.011	12.743	ug/L
|>	Ge	72	362084.597	362084.60				ug/L
|	As	75	-174.863	0.00	0.0973	0.017	17.251	ug/L
|	Se	77	77.334	-0.00	-0.1851	0.161	86.835	ug/L
|	Se	82	13.081	0.00	0.1944	0.029	15.158	ug/L
⌊	Rb	85	19.667	-0.00				mg/L
	Y	89	252328.760	-10736.04				ug/L
	Rh	103	12.000	-4.67				ug/L
⌈	Mo	98	360.731	0.00	0.0606	0.020	32.598	ug/L
|	Ag	107	57.334	0.00	-0.0147	0.002	11.115	ug/L
|	Cd	114	9.512	0.00	0.0113	0.004	37.248	ug/L
|>	In	115	359860.414	359860.41				ug/L
|	Sn	118	448.677	0.00	0.0670	0.004	5.256	ug/L
⌊	Sb	123	82.950	0.00	-0.0023	0.003	145.756	ug/L
⌈	Ba	135	38.000	0.00	0.0019	0.003	148.444	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	428284.774	428284.77				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	67.334	0.00	-0.0022	0.001	24.893	ug/L
|	Tl	205	193.355	0.00	-0.0073	0.001	11.128	ug/L
|	Pb	206	358.343	0.00	0.0017	0.003	144.402	ug/L
|	Pb	207	303.341	0.00	0.0107	0.002	22.495	ug/L
|	Pb	208	1447.056	0.00	0.0075	0.001	13.482	ug/L
|	U	238	259.339	0.00	-0.0003	0.001	443.526	ug/L
⌊>	Bi	209	382646.373	382646.37				ug/L

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Na	23	14722.325	0.02	-0.0015	0.000	10.040	mg/L
Mg	24	1747.006	0.01	-0.0025	0.000	6.698	mg/L
K	39	422839.367	0.15	-0.0030	0.001	20.667	mg/L
Ca	43	310.036	-0.00	0.0010	0.003	291.595	mg/L
Fe	54	45658.344	0.00	-0.0046	0.002	34.926	mg/L
Fe	57	8097.423	-0.01	-0.0045	0.001	23.440	mg/L
Sc-1	45	183365.967	183365.97				mg/L
Cl	35	16952.362	-9046.07				mg/L
Kr	83	67.334	-3.00				mg/L
Br	81	9894.228	-433.77				mg/L
P	31	9565.918	-95.44				mg/L
S	34	171292.602	17765.96				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.456			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.835			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		99.626			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		99.963			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
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Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Monday, April 04, 2011 10:53:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19769.575	-0.01				ug/L
|	Be	9	9.333	0.00	0.0487	0.013	27.213	ug/L
|	Al	27	3467.273	0.01	0.1867	0.066	35.258	ug/L
⌊>	Sc	45	197924.056	197924.06				ug/L
⌈	Ti	49	56.673	0.00	0.0407	0.035	86.254	ug/L
|	V	51	7112.421	0.01	0.4037	0.011	2.668	ug/L
|	Cr	52	17221.322	0.02	0.8207	0.029	3.521	ug/L
|	Cr	53	1106.839	0.00	0.8043	0.144	17.847	ug/L
|	Mn	55	6820.060	0.02	0.4818	0.010	2.138	ug/L
|	Co	59	4181.583	0.01	0.3845	0.004	1.068	ug/L
|	Ni	60	3562.003	0.01	1.6259	0.031	1.888	ug/L
|	Cu	65	1913.536	0.00	0.8098	0.029	3.640	ug/L
|	Zn	66	8467.335	0.02	6.2481	0.060	0.957	ug/L
|>	Ge	72	369940.941	369940.94				ug/L
|	As	75	238.658	0.00	0.4401	0.090	20.514	ug/L
|	Se	77	139.334	0.00	0.4406	0.203	46.144	ug/L
|	Se	82	41.775	0.00	0.4316	0.263	60.910	ug/L
⌊	Rb	85	20.334	-0.00				mg/L
	Y	89	260772.221	-2292.58				ug/L
	Rh	103	13.333	-3.33				ug/L
⌈	Mo	98	175.839	0.00	0.0002	0.004	1670.850	ug/L
|	Ag	107	2857.437	0.01	0.4018	0.005	1.127	ug/L
|	Cd	114	285.407	0.00	0.2091	0.017	7.912	ug/L
|>	In	115	365910.549	365910.55				ug/L
|	Sn	118	299.471	0.00	0.0357	0.003	8.363	ug/L
⌊	Sb	123	1798.709	0.00	0.3865	0.007	1.810	ug/L
⌈	Ba	135	1400.445	0.00	0.7655	0.026	3.337	ug/L
|	Ce	140	26.669	0.00				ug/L
⌊>	Tb	159	433357.394	433357.39				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	675.363	0.00	0.0783	0.003	4.460	ug/L
|	Tl	205	1660.304	0.00	0.0718	0.005	7.037	ug/L
|	Pb	206	2789.751	0.01	0.3990	0.021	5.249	ug/L
|	Pb	207	2592.029	0.01	0.4060	0.008	1.863	ug/L
|	Pb	208	11560.416	0.03	0.4011	0.011	2.781	ug/L
|	U	238	16718.799	0.04	0.4037	0.003	0.767	ug/L
⌊>	Bi	209	385076.175	385076.17				ug/L

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Na	23	10823.623	-0.00	-0.0024	0.000	3.896	mg/L
Mg	24	693.428	0.00	-0.0028	0.000	1.843	mg/L
K	39	425709.207	-0.00	-0.0071	0.001	20.590	mg/L
Ca	43	300.035	-0.00	-0.0010	0.004	371.115	mg/L
Fe	54	44968.199	-0.02	-0.0114	0.003	25.127	mg/L
Fe	57	8697.987	-0.01	-0.0047	0.000	3.922	mg/L
Sc-1	45	197924.056	197924.06				mg/L
Cl	35	17043.179	-8955.25				mg/L
Kr	83	64.334	-6.00				mg/L
Br	81	10322.665	-5.34				mg/L
P	31	9948.288	286.93				mg/L
S	34	178446.549	24919.91				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	100.918				
Cr	52	102.592				
Cr	53					
Mn	55	96.359				
Co	59	96.119				
Ni	60	101.619				
Cu	65	101.224				
Zn	66	99.970				
Ge	72		98.549			
As	75	110.027				
Se	77					
Se	82	107.903				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.439				
Cd	114	104.571				
In	115		99.480			
Sn	118					
Sb	123	96.637				
Ba	135	102.067				
Ce	140					
Tb	159		100.806			
Ho	165					
Tl	203	97.814				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.268				
U	238	100.937				
Bi	209		100.598			
Na	23					

Sample ID: QC Std 3
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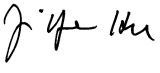

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
Report Date/Time: Monday, April 04, 2011 10:56:03

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Monday, April 04, 2011 11:00:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20771.716	0.01				ug/L
|	Be	9	12.667	0.00	0.0648	0.012	17.815	ug/L
|	Al	27	27584032.611	159.06	5095.1857	325.565	6.390	ug/L
⌊>	Sc	45	173628.652	173628.65				ug/L
⌈	Ti	49	62158.890	0.17	107.7760	2.901	2.692	ug/L
|	V	51	2801.738	-0.00	-0.0391	0.023	59.892	ug/L
|	Cr	52	10726.525	0.00	0.0537	0.026	48.890	ug/L
|	Cr	53	1663.638	0.00	1.4362	0.093	6.496	ug/L
|	Mn	55	3779.752	0.01	0.2481	0.007	2.892	ug/L
|	Co	59	2180.593	0.01	0.1888	0.006	3.437	ug/L
|	Ni	60	1132.075	0.00	0.4736	0.014	2.865	ug/L
|	Cu	65	875.714	0.00	0.3491	0.008	2.273	ug/L
|	Zn	66	971.057	0.00	0.5203	0.015	2.814	ug/L
|>	Ge	72	359216.880	359216.88				ug/L
|	As	75	-204.450	0.00	0.0710	0.038	53.603	ug/L
|	Se	77	195.335	0.00	1.0832	0.085	7.867	ug/L
|	Se	82	-4.977	-0.00	0.0406	0.105	259.339	ug/L
⌊	Rb	85	2342.298	0.01				mg/L
	Y	89	243100.875	-19963.93				ug/L
	Rh	103	24.000	7.33				ug/L
⌈	Mo	98	334272.009	0.95	109.8993	0.632	0.575	ug/L
|	Ag	107	95.668	0.00	-0.0086	0.001	8.039	ug/L
|	Cd	114	113.795	0.00	0.0893	0.006	6.824	ug/L
|>	In	115	352035.482	352035.48				ug/L
|	Sn	118	313.738	0.00	0.0410	0.004	8.559	ug/L
⌊	Sb	123	197.160	0.00	0.0251	0.002	7.184	ug/L
⌈	Ba	135	71.001	0.00	0.0224	0.007	32.646	ug/L
|	Ce	140	246.694	0.00				ug/L
⌊>	Tb	159	410643.550	410643.55				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	34.334	-0.00	-0.0064	0.001	13.033	ug/L
|	Tl	205	86.676	0.00	-0.0130	0.001	4.869	ug/L
|	Pb	206	434.014	0.00	0.0160	0.004	26.848	ug/L
|	Pb	207	362.010	0.00	0.0225	0.003	12.742	ug/L
|	Pb	208	1726.743	0.00	0.0202	0.002	11.528	ug/L
|	U	238	62.334	0.00	-0.0051	0.000	1.568	ug/L
⌊>	Bi	209	373081.576	373081.58				ug/L

Sample ID: QC Std 4
Report Date/Time: Monday, April 04, 2011 11:03:11
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Na	23	68459775.562	394.51	14.1786	0.483	3.407	mg/L	
Mg	24	18195551.136	104.81	5.5569	0.091	1.637	mg/L	
K	39	37295142.690	212.90	5.6618	0.336	5.928	mg/L	
Ca	43	259224.277	1.49	16.7700	0.967	5.765	mg/L	
Fe	54	7977930.491	45.74	14.3660	0.547	3.810	mg/L	
Fe	57	3373826.983	19.40	14.5362	0.533	3.665	mg/L	
> Sc-1	45	173628.652	173628.65				mg/L	
Cl	35	1922473.538	1896475.11				mg/L	
Kr	83	74.001	3.67				mg/L	
Br	81	9795.462	-532.54				mg/L	
P	31	1754164.159	1744502.80				mg/L	
S	34	336043.178	182516.54				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.692			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.707			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.522			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.465			
Na	23					

Sample ID: QC Std 4
Report Date/Time: Monday, April 04, 2011 11:03:11

Approved: April 05, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
Report Date/Time: Monday, April 04, 2011 11:03:11

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Monday, April 04, 2011 11:08:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20637.961	0.02				ug/L
|	Be	9	29669.951	0.18	112.4725	2.609	2.320	ug/L
|	Al	27	22758419.516	138.55	4437.9746	97.291	2.192	ug/L
⌊>	Sc	45	164272.069	164272.07				ug/L
⌈	Ti	49	52368.678	0.15	95.6650	1.836	1.919	ug/L
|	V	51	805712.456	2.35	91.2149	2.027	2.222	ug/L
|	Cr	52	730678.433	2.12	97.1403	0.426	0.439	ug/L
|	Cr	53	143232.833	0.42	161.6601	2.784	1.722	ug/L
|	Mn	55	1174584.184	3.44	101.6518	0.168	0.165	ug/L
|	Co	59	937799.628	2.75	102.8086	1.233	1.199	ug/L
|	Ni	60	202017.994	0.59	105.3049	1.008	0.957	ug/L
|	Cu	65	210809.633	0.62	104.0574	0.905	0.870	ug/L
|	Zn	66	124941.253	0.37	103.7426	0.950	0.916	ug/L
|>	Ge	72	340959.383	340959.38				ug/L
|	As	75	108988.969	0.32	97.3473	0.728	0.747	ug/L
|	Se	77	12129.353	0.04	135.6306	2.591	1.910	ug/L
|	Se	82	10393.683	0.03	93.9523	0.669	0.712	ug/L
⌊	Rb	85	1904.867	0.01				mg/L
	Y	89	213322.500	-49742.30				ug/L
	Rh	103	75.001	58.33				ug/L
⌈	Mo	98	272916.466	0.87	100.3850	0.778	0.775	ug/L
|	Ag	107	573378.233	1.82	99.1906	1.063	1.072	ug/L
|	Cd	114	123731.076	0.39	103.2034	0.864	0.837	ug/L
|>	In	115	314649.117	314649.12				ug/L
|	Sn	118	2780.920	0.01	0.6222	0.015	2.453	ug/L
⌊	Sb	123	405664.720	1.29	106.9900	1.164	1.088	ug/L
⌈	Ba	135	155328.302	0.40	97.4007	1.692	1.738	ug/L
|	Ce	140	223.358	0.00				ug/L
⌊>	Tb	159	387362.944	387362.94				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	713161.157	1.91	97.1915	0.816	0.840	ug/L
|	Tl	205	1755169.571	4.69	97.5466	1.732	1.776	ug/L
|	Pb	206	616492.500	1.65	103.7271	1.073	1.035	ug/L
|	Pb	207	542557.966	1.45	96.5227	0.991	1.026	ug/L
|	Pb	208	2512332.975	6.72	100.7072	0.833	0.827	ug/L
|	U	238	4179242.731	11.18	105.6486	0.368	0.348	ug/L
⌊>	Bi	209	373932.525	373932.52				ug/L

Sample ID: QC Std 5
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⌈	Na	23	53690638.299	327.00	11.7519	0.506	4.308	mg/L
|	Mg	24	14783004.687	90.01	4.7716	0.060	1.259	mg/L
|	K	39	31633812.787	190.39	5.0624	0.034	0.681	mg/L
|	Ca	43	219319.663	1.33	14.9774	0.480	3.203	mg/L
|	Fe	54	6865481.044	41.56	13.0538	0.340	2.606	mg/L
|	Fe	57	3002883.330	18.24	13.6692	0.459	3.355	mg/L
⌊>	Sc-1	45	164272.069	164272.07				mg/L
	Cl	35	65269540.588	65243542.16				mg/L
	Kr	83	63.668	-6.67				mg/L
	Br	81	12712.085	2384.08				mg/L
	P	31	1434889.380	1425228.02				mg/L
	S	34	291160.117	137633.48				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	91.215				
|	Cr	52	97.140				
|	Cr	53					
|	Mn	55	101.652				
|	Co	59	102.809				
|	Ni	60	105.305				
|	Cu	65	104.057				
|	Zn	66	103.743				
|>	Ge	72		90.828			
|	As	75	97.347				
|	Se	77					
|	Se	82	93.952				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	99.191				
|	Cd	114	103.203				
|>	In	115		85.543			
|	Sn	118					
⌊	Sb	123	106.990				
⌈	Ba	135	97.401				
|	Ce	140					
⌊>	Tb	159		90.107			
⌈	Ho	165					
|	Tl	203	97.191				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	100.707				
|	U	238	105.649				
⌊>	Bi	209		97.687			
⌈	Na	23					

Sample ID: QC Std 5
Report Date/Time: Monday, April 04, 2011 11:10:19

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
Report Date/Time: Monday, April 04, 2011 11:10:19
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 11:15:14
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19485.650	-0.00				ug/L
|	Be	9	15111.411	0.08	50.9418	1.030	2.022	ug/L
|	Al	27	287357.600	1.55	49.4668	2.190	4.427	ug/L
⌊>	Sc	45	184741.429	184741.43				ug/L
⌈	Ti	49	57789.041	0.16	100.2570	3.514	3.505	ug/L
|	V	51	464321.111	1.29	49.7659	0.949	1.908	ug/L
|	Cr	52	402521.647	1.09	50.1903	0.570	1.136	ug/L
|	Cr	53	52415.572	0.14	55.9506	0.180	0.322	ug/L
|	Mn	55	618699.858	1.72	50.8156	0.725	1.427	ug/L
|	Co	59	491026.704	1.37	51.0978	0.834	1.633	ug/L
|	Ni	60	103674.147	0.29	51.2771	1.010	1.970	ug/L
|	Cu	65	110221.888	0.31	51.6366	0.494	0.956	ug/L
|	Zn	66	66895.679	0.19	52.6278	0.530	1.007	ug/L
|>	Ge	72	359031.798	359031.80				ug/L
|	As	75	58401.250	0.16	49.6578	0.198	0.398	ug/L
|	Se	77	4794.483	0.01	50.2846	0.947	1.883	ug/L
|	Se	82	5789.908	0.02	49.7399	0.745	1.497	ug/L
⌊	Rb	85	2219.602	0.01				mg/L
	Y	89	242324.936	-20739.87				ug/L
	Rh	103	43.667	27.00				ug/L
⌈	Mo	98	306045.023	0.87	100.4779	0.913	0.909	ug/L
|	Ag	107	328047.192	0.93	50.6426	0.916	1.808	ug/L
|	Cd	114	69090.100	0.20	51.4400	0.263	0.512	ug/L
|>	In	115	352516.419	352516.42				ug/L
|	Sn	118	247405.361	0.70	51.3131	0.631	1.229	ug/L
⌊	Sb	123	216218.664	0.61	50.8909	0.799	1.571	ug/L
⌈	Ba	135	87665.459	0.21	50.3461	0.219	0.436	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	422817.533	422817.53				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	379449.043	0.99	50.4814	0.341	0.675	ug/L
|	Tl	205	939704.104	2.45	50.9792	0.364	0.714	ug/L
|	Pb	206	308748.275	0.81	50.6888	0.599	1.182	ug/L
|	Pb	207	289568.517	0.76	50.2716	0.168	0.334	ug/L
|	Pb	208	1287427.792	3.36	50.3575	0.101	0.200	ug/L
|	U	238	2151293.427	5.62	53.0923	0.560	1.055	ug/L
⌊>	Bi	209	383006.959	383006.96				ug/L

Sample ID: QC Std 6
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Na	23	25332924.779	137.09	4.9257	0.106	2.148	mg/L	
Mg	24	17234627.652	93.32	4.9472	0.147	2.976	mg/L	
K	39	34562840.613	184.98	4.9184	0.096	1.946	mg/L	
Ca	43	83125.679	0.45	5.0374	0.113	2.236	mg/L	
Fe	54	2951935.714	15.74	4.9401	0.177	3.590	mg/L	
Fe	57	1263802.896	6.80	5.0920	0.209	4.097	mg/L	
> Sc-1	45	184741.429	184741.43				mg/L	
Cl	35	78310.919	52312.49				mg/L	
Kr	83	60.667	-9.67				mg/L	
Br	81	9854.855	-473.15				mg/L	
P	31	9636.644	-24.72				mg/L	
S	34	173252.865	19726.23				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	99.532				
Cr	52	100.381				
Cr	53					
Mn	55	101.631				
Co	59	102.196				
Ni	60	102.554				
Cu	65	103.273				
Zn	66	105.256				
> Ge	72		95.643			
As	75	99.316				
Se	77					
Se	82	99.480				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.285				
Cd	114	102.880				
> In	115		95.838			
Sn	118					
Sb	123	101.782				
Ba	135	100.692				
Ce	140					
> Tb	159		98.354			
Ho	165					
Tl	203	100.963				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.715				
U	238	106.185				
> Bi	209		100.058			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 11:17:26

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 11:17:26
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 11:22:20
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19101.614	-0.01				ug/L
|	Be	9	19.333	0.00	0.0837	0.036	43.426	ug/L
|	Al	27	2583.668	0.00	0.0691	0.024	34.138	ug/L
⌊>	Sc	45	186472.643	186472.64				ug/L
⌈	Ti	49	60.006	0.00	0.0484	0.034	69.677	ug/L
|	V	51	3117.205	0.00	-0.0072	0.031	426.507	ug/L
|	Cr	52	10363.807	0.00	-0.0016	0.054	3350.344	ug/L
|	Cr	53	2924.056	0.01	2.7700	0.340	12.263	ug/L
|	Mn	55	378.678	-0.00	-0.0317	0.002	7.350	ug/L
|	Co	59	145.003	0.00	-0.0232	0.002	10.233	ug/L
|	Ni	60	81.334	-0.00	-0.0469	0.006	11.878	ug/L
|	Cu	65	106.002	0.00	-0.0120	0.006	48.419	ug/L
|	Zn	66	190.004	0.00	-0.0977	0.016	15.955	ug/L
|>	Ge	72	361776.707	361776.71				ug/L
|	As	75	-267.904	-0.00	0.0191	0.022	114.003	ug/L
|	Se	77	100.667	-0.00	0.0637	0.083	130.669	ug/L
|	Se	82	4.377	0.00	0.1202	0.039	32.560	ug/L
⌊	Rb	85	24.667	0.00				mg/L
	Y	89	250548.011	-12516.79				ug/L
	Rh	103	14.333	-2.33				ug/L
⌈	Mo	98	303.989	0.00	0.0431	0.015	34.336	ug/L
|	Ag	107	63.668	0.00	-0.0137	0.001	9.100	ug/L
|	Cd	114	0.099	-0.00	0.0045	0.007	159.597	ug/L
|>	In	115	357654.735	357654.74				ug/L
|	Sn	118	307.205	0.00	0.0387	0.005	12.654	ug/L
⌊	Sb	123	108.323	0.00	0.0037	0.001	36.523	ug/L
⌈	Ba	135	32.334	-0.00	-0.0010	0.002	167.572	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	422334.983	422334.98				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	381.345	0.00	0.0396	0.007	16.506	ug/L
|	Tl	205	903.465	0.00	0.0311	0.008	24.453	ug/L
|	Pb	206	350.343	0.00	0.0003	0.003	849.446	ug/L
|	Pb	207	301.674	0.00	0.0103	0.002	15.797	ug/L
|	Pb	208	1392.719	0.00	0.0053	0.003	59.365	ug/L
|	U	238	228.338	0.00	-0.0011	0.002	153.227	ug/L
⌊>	Bi	209	383331.895	383331.90				ug/L

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 11:24:31
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Na	23	13553.902	0.02	-0.0018	0.000	12.600	mg/L
Mg	24	1503.607	0.01	-0.0026	0.000	6.416	mg/L
K	39	415920.032	0.07	-0.0050	0.002	33.578	mg/L
Ca	43	290.033	-0.00	-0.0005	0.001	263.342	mg/L
Fe	54	44800.111	-0.01	-0.0074	0.002	24.917	mg/L
Fe	57	7910.590	-0.01	-0.0058	0.001	23.936	mg/L
Sc-1	45	186472.643	186472.64				mg/L
Cl	35	41384.188	15385.76				mg/L
Kr	83	71.668	1.33				mg/L
Br	81	9732.068	-595.93				mg/L
P	31	10060.452	399.09				mg/L
S	34	172235.677	18709.04				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.374			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.235			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		98.242			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		100.142			
Na	23					

Sample ID: QC Std 7
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 11:24:31
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: PBS 34 WG360683-01

Sample Date/Time: Monday, April 04, 2011 11:31:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19235.193	-0.01				ug/L
|	Be	9	12.000	0.00	0.0582	0.010	16.794	ug/L
|	Al	27	3750.714	0.01	0.2530	0.068	26.975	ug/L
⌊>	Sc	45	190856.594	190856.59				ug/L
⌈	Ti	49	56.672	0.00	0.0406	0.020	48.968	ug/L
|	V	51	3095.171	0.00	-0.0176	0.016	90.872	ug/L
|	Cr	52	10492.607	0.00	-0.0171	0.025	143.696	ug/L
|	Cr	53	1413.575	0.00	1.1217	0.065	5.800	ug/L
|	Mn	55	776.038	0.00	-0.0007	0.001	185.609	ug/L
|	Co	59	115.335	-0.00	-0.0265	0.002	5.687	ug/L
|	Ni	60	83.668	-0.00	-0.0468	0.002	5.137	ug/L
|	Cu	65	114.668	0.00	-0.0093	0.002	21.743	ug/L
|	Zn	66	1698.162	0.00	1.0532	0.105	9.923	ug/L
|>	Ge	72	370540.664	370540.66				ug/L
|	As	75	-203.236	0.00	0.0772	0.055	71.344	ug/L
|	Se	77	108.001	0.00	0.1147	0.204	178.079	ug/L
|	Se	82	12.119	0.00	0.1839	0.095	51.465	ug/L
⌊	Rb	85	28.000	0.00				mg/L
	Y	89	259174.656	-3890.15				ug/L
	Rh	103	13.333	-3.33				ug/L
⌈	Mo	98	104.093	0.00	-0.0229	0.006	26.295	ug/L
|	Ag	107	39.000	0.00	-0.0177	0.001	3.575	ug/L
|	Cd	114	-1.684	-0.00	0.0032	0.006	181.715	ug/L
|>	In	115	371041.742	371041.74				ug/L
|	Sn	118	206.535	0.00	0.0165	0.002	11.425	ug/L
⌊	Sb	123	72.658	0.00	-0.0052	0.001	16.709	ug/L
⌈	Ba	135	38.667	0.00	0.0021	0.002	94.368	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	431891.690	431891.69				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	230.338	0.00	0.0191	0.002	10.061	ug/L
|	Tl	205	453.389	0.00	0.0064	0.004	55.633	ug/L
|	Pb	206	356.010	0.00	0.0005	0.005	946.573	ug/L
|	Pb	207	320.675	0.00	0.0129	0.003	25.855	ug/L
|	Pb	208	1443.055	0.00	0.0065	0.002	27.455	ug/L
|	U	238	69.668	0.00	-0.0050	0.000	2.916	ug/L
⌊>	Bi	209	388520.132	388520.13				ug/L

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⌈	Na	23	20148.983	0.05	-0.0006	0.000	60.830	mg/L
|	Mg	24	1203.527	0.01	-0.0027	0.000	2.723	mg/L
|	K	39	418994.271	0.04	-0.0059	0.002	33.482	mg/L
|	Ca	43	366.710	0.00	0.0037	0.006	149.536	mg/L
|	Fe	54	47351.919	0.00	-0.0047	0.006	130.591	mg/L
|	Fe	57	8340.980	-0.01	-0.0048	0.003	54.693	mg/L
⌊>	Sc-1	45	190856.594	190856.59				mg/L
	Cl	35	32500.065	6501.64				mg/L
	Kr	83	63.001	-7.33				mg/L
	Br	81	10622.976	294.98				mg/L
	P	31	9346.370	-314.99				mg/L
	S	34	164650.379	11123.74				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.708			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.875			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.465			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.498			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 34 WG360683-01
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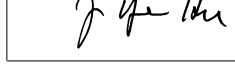

Method 6020 - Summary Report

Sample ID: LCSS 34 WG360683-02

Sample Date/Time: Monday, April 04, 2011 11:38:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21990.979	-0.00				ug/L
|	Be	9	7396.735	0.04	22.8884	0.652	2.848	ug/L
|	Al	27	241243.793	1.19	38.0649	2.857	7.507	ug/L
⌊>	Sc	45	201478.725	201478.73				ug/L
⌈	Ti	49	310.036	0.00	0.4550	0.042	9.125	ug/L
|	V	51	251169.463	0.65	25.3419	0.471	1.857	ug/L
|	Cr	52	229611.139	0.58	26.5236	0.267	1.006	ug/L
|	Cr	53	27269.896	0.07	27.4076	1.243	4.534	ug/L
|	Mn	55	350501.794	0.92	27.2491	0.116	0.424	ug/L
|	Co	59	268921.690	0.71	26.4989	0.258	0.975	ug/L
|	Ni	60	57811.873	0.15	27.0525	0.065	0.239	ug/L
|	Cu	65	60613.427	0.16	26.8774	0.385	1.432	ug/L
|	Zn	66	37926.833	0.10	28.1580	0.304	1.081	ug/L
|>	Ge	72	378912.081	378912.08				ug/L
|	As	75	28821.797	0.08	23.3503	0.119	0.509	ug/L
|	Se	77	2193.574	0.01	21.2288	0.139	0.655	ug/L
|	Se	82	2585.798	0.01	21.0988	0.427	2.022	ug/L
⌊	Rb	85	272.340	0.00				mg/L
	Y	89	261459.951	-1604.85				ug/L
	Rh	103	31.334	14.67				ug/L
⌈	Mo	98	121.463	0.00	-0.0180	0.002	9.920	ug/L
|	Ag	107	156849.754	0.42	22.7227	0.130	0.573	ug/L
|	Cd	114	34138.598	0.09	23.8677	0.188	0.789	ug/L
|>	In	115	375429.825	375429.83				ug/L
|	Sn	118	269.204	0.00	0.0283	0.001	4.271	ug/L
⌊	Sb	123	108087.558	0.29	23.8758	0.149	0.625	ug/L
⌈	Ba	135	46373.070	0.11	25.6502	0.331	1.290	ug/L
|	Ce	140	540.069	0.00				ug/L
⌊>	Tb	159	438875.203	438875.20				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	198914.562	0.50	25.6196	0.264	1.032	ug/L
|	Tl	205	501724.425	1.27	26.3427	0.602	2.286	ug/L
|	Pb	206	170402.569	0.43	27.0584	0.203	0.750	ug/L
|	Pb	207	150768.253	0.38	25.3250	0.287	1.132	ug/L
|	Pb	208	693602.124	1.75	26.2464	0.196	0.747	ug/L
|	U	238	1087093.448	2.75	25.9740	0.301	1.160	ug/L
⌊>	Bi	209	395570.481	395570.48				ug/L

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⌈	Na	23	61182.712	0.25	0.0066	0.000	7.067	mg/L
|	Mg	24	34523.000	0.17	0.0061	0.000	1.421	mg/L
|	K	39	458507.422	0.12	-0.0037	0.003	67.414	mg/L
|	Ca	43	680.091	0.00	0.0201	0.005	26.989	mg/L
|	Fe	54	121914.282	0.36	0.1076	0.012	10.882	mg/L
|	Fe	57	19721.402	0.05	0.0359	0.005	12.669	mg/L
⌊>	Sc-1	45	201478.725	201478.73				mg/L
	Cl	35	32438.543	6440.11				mg/L
	Kr	83	66.668	-3.67				mg/L
	Br	81	11212.285	884.28				mg/L
	P	31	20832.419	11171.06				mg/L
	S	34	173656.760	20130.12				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.939			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.068			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.090			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.340			
⌈	Na	23					

Sample ID: LCSS 34 WG360683-02
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 34 WG360683-02
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Method 6020 - Summary Report

Sample ID: LCSS DP WG360683-03

Sample Date/Time: Monday, April 04, 2011 11:45:25
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 35
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21673.508	0.00				ug/L
|	Be	9	7205.262	0.04	23.0935	1.442	6.243	ug/L
|	Al	27	147666.044	0.75	23.9389	0.977	4.082	ug/L
⌊>	Sc	45	194868.630	194868.63				ug/L
⌈	Ti	49	96.677	0.00	0.1068	0.075	70.619	ug/L
|	V	51	245316.241	0.65	25.1550	0.120	0.477	ug/L
|	Cr	52	226128.014	0.58	26.5518	0.013	0.047	ug/L
|	Cr	53	26099.956	0.07	26.6509	0.091	0.343	ug/L
|	Mn	55	334188.517	0.90	26.4066	0.200	0.759	ug/L
|	Co	59	261115.898	0.70	26.1531	0.393	1.503	ug/L
|	Ni	60	56991.181	0.15	27.1074	0.225	0.829	ug/L
|	Cu	65	59308.962	0.16	26.7304	0.299	1.119	ug/L
|	Zn	66	37399.849	0.10	28.2234	0.166	0.588	ug/L
|>	Ge	72	372775.956	372775.96				ug/L
|	As	75	27812.920	0.08	22.9089	0.390	1.701	ug/L
|	Se	77	2220.913	0.01	21.8767	0.220	1.006	ug/L
|	Se	82	2502.758	0.01	20.7573	0.372	1.793	ug/L
⌊	Rb	85	36.000	0.00				mg/L
	Y	89	257467.791	-5597.01				ug/L
	Rh	103	26.667	10.00				ug/L
⌈	Mo	98	83.024	0.00	-0.0295	0.002	6.119	ug/L
|	Ag	107	157991.535	0.43	23.1434	0.189	0.815	ug/L
|	Cd	114	32831.204	0.09	23.2105	0.171	0.738	ug/L
|>	In	115	371299.955	371299.96				ug/L
|	Sn	118	481.478	0.00	0.0706	0.013	17.823	ug/L
⌊	Sb	123	106619.963	0.29	23.8146	0.312	1.309	ug/L
⌈	Ba	135	45073.134	0.10	25.0693	0.244	0.973	ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	436431.675	436431.68				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	193474.983	0.49	24.8621	0.140	0.563	ug/L
|	Tl	205	484417.352	1.22	25.3781	0.541	2.131	ug/L
|	Pb	206	167175.512	0.42	26.4882	0.348	1.314	ug/L
|	Pb	207	146757.533	0.37	24.5947	0.276	1.121	ug/L
|	Pb	208	676450.486	1.70	25.5394	0.263	1.028	ug/L
|	U	238	1079026.999	2.72	25.7232	0.299	1.162	ug/L
⌊>	Bi	209	396446.585	396446.58				ug/L

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⌈	Na	23	86164.874	0.39	0.0116	0.001	8.434	mg/L
|	Mg	24	5762.240	0.03	-0.0014	0.000	3.298	mg/L
|	K	39	423467.580	0.02	-0.0064	0.003	47.788	mg/L
|	Ca	43	356.709	0.00	0.0026	0.003	97.585	mg/L
|	Fe	54	91985.353	0.23	0.0660	0.012	18.876	mg/L
|	Fe	57	9722.369	0.00	-0.0002	0.001	494.709	mg/L
⌊>	Sc-1	45	194868.630	194868.63				mg/L
	Cl	35	28815.474	2817.04				mg/L
	Kr	83	68.668	-1.67				mg/L
	Br	81	10703.059	375.06				mg/L
	P	31	19318.840	9657.48				mg/L
	S	34	174863.605	21336.97				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.304			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.945			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.521			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.569			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS DP WG360683-03
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Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 11:52:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21840.593	0.01				ug/L
|	Be	9	1126.063	0.01	3.7267	0.183	4.920	ug/L
|	Al	27	6564670.290	34.71	1111.7060	21.300	1.916	ug/L
⌊>	Sc	45	189121.828	189121.83				ug/L
⌈	Ti	49	4791.633	0.01	8.4101	0.760	9.039	ug/L
|	V	51	145168.488	0.40	15.6015	0.052	0.333	ug/L
|	Cr	52	181438.778	0.49	22.3107	0.024	0.106	ug/L
|	Cr	53	20543.163	0.06	22.1030	0.933	4.221	ug/L
|	Mn	55	755018.520	2.14	63.1274	0.300	0.475	ug/L
|	Co	59	100093.128	0.28	10.5706	0.024	0.224	ug/L
|	Ni	60	62566.755	0.18	31.4627	0.563	1.790	ug/L
|	Cu	65	49187.517	0.14	23.4161	0.149	0.638	ug/L
|	Zn	66	59533.950	0.17	47.6435	0.506	1.062	ug/L
|>	Ge	72	352788.239	352788.24				ug/L
|	As	75	8386.426	0.02	7.4656	0.080	1.065	ug/L
|	Se	77	320.005	0.00	2.4779	0.245	9.869	ug/L
|	Se	82	320.060	0.00	2.8774	0.167	5.802	ug/L
⌊	Rb	85	21217.364	0.06				mg/L
	Y	89	265607.521	2542.72				ug/L
	Rh	103	26.000	9.33				ug/L
⌈	Mo	98	462.065	0.00	0.0963	0.007	7.080	ug/L
|	Ag	107	25148.835	0.07	3.8592	0.017	0.440	ug/L
|	Cd	114	2813.565	0.01	2.0982	0.025	1.198	ug/L
|>	In	115	352647.203	352647.20				ug/L
|	Sn	118	194.802	0.00	0.0162	0.003	16.584	ug/L
⌊	Sb	123	650.934	0.00	0.1318	0.006	4.179	ug/L
⌈	Ba	135	76896.360	0.18	44.6474	1.017	2.279	ug/L
|	Ce	140	119636.627	0.29				ug/L
⌊>	Tb	159	418215.036	418215.04				ug/L
⌈	Ho	165	1380.234	0.00				ug/L
|	Tl	203	100151.611	0.26	13.4688	0.426	3.164	ug/L
|	Tl	205	248939.429	0.66	13.6464	0.368	2.700	ug/L
|	Pb	206	58714.131	0.15	9.7028	0.143	1.477	ug/L
|	Pb	207	49356.675	0.13	8.6321	0.135	1.560	ug/L
|	Pb	208	231922.377	0.61	9.1350	0.126	1.375	ug/L
|	U	238	136552.367	0.36	3.4021	0.029	0.858	ug/L
⌊>	Bi	209	378693.054	378693.05				ug/L

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⌈	Na	23	224805.430	1.13	0.0384	0.001	1.505	mg/L
|	Mg	24	57710359.222	305.20	16.1868	0.274	1.695	mg/L
|	K	39	11580350.046	59.08	1.5662	0.020	1.272	mg/L
|	Ca	43	581160.921	3.07	34.4996	0.468	1.356	mg/L
|	Fe	54	1311665.695	6.69	2.0964	0.022	1.071	mg/L
|	Fe	57	545570.731	2.84	2.1246	0.027	1.265	mg/L
⌊>	Sc-1	45	189121.828	189121.83				mg/L
	Cl	35	25459.036	-539.39				mg/L
	Kr	83	71.001	0.67				mg/L
	Br	81	10149.150	-178.85				mg/L
	P	31	41996.025	32334.67				mg/L
	S	34	199101.030	45574.39				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.979			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.874			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.284			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.931			
⌈	Na	23					

Sample ID: L1103074204
Report Date/Time: Monday, April 04, 2011 11:54:41
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103074204
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Method 6020 - Summary Report

Sample ID: L1103074204PS WG360706-01

Sample Date/Time: Monday, April 04, 2011 11:59:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 37
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18984.678	-0.00				ug/L
|	Be	9	16352.026	0.09	56.0438	2.164	3.862	ug/L
|	Al	27	6975389.886	38.38	1229.3402	42.834	3.484	ug/L
⌊>	Sc	45	181822.727	181822.73				ug/L
⌈	Ti	49	4471.447	0.01	8.0820	0.177	2.191	ug/L
|	V	51	605892.993	1.76	68.2091	0.203	0.297	ug/L
|	Cr	52	578903.049	1.66	76.3518	0.160	0.209	ug/L
|	Cr	53	66671.562	0.19	74.7362	1.837	2.457	ug/L
|	Mn	55	1374369.490	4.01	118.4380	0.700	0.591	ug/L
|	Co	59	583923.630	1.70	63.7224	0.525	0.824	ug/L
|	Ni	60	165703.372	0.48	85.9841	0.735	0.855	ug/L
|	Cu	65	155625.869	0.45	76.4687	0.749	0.980	ug/L
|	Zn	66	121270.858	0.35	100.2454	1.012	1.009	ug/L
|>	Ge	72	342440.657	342440.66				ug/L
|	As	75	66029.304	0.19	58.8181	0.127	0.216	ug/L
|	Se	77	4933.217	0.01	54.3246	1.448	2.665	ug/L
|	Se	82	5871.212	0.02	52.8813	1.112	2.102	ug/L
⌊	Rb	85	20790.799	0.06				mg/L
	Y	89	252588.668	-10476.13				ug/L
	Rh	103	58.334	41.67				ug/L
⌈	Mo	98	454.143	0.00	0.1003	0.022	21.887	ug/L
|	Ag	107	353256.841	1.05	56.8883	0.296	0.520	ug/L
|	Cd	114	71191.243	0.21	55.2974	1.110	2.008	ug/L
|>	In	115	337943.372	337943.37				ug/L
|	Sn	118	225.603	0.00	0.0246	0.001	5.932	ug/L
⌊	Sb	123	218099.603	0.65	53.5515	0.823	1.537	ug/L
⌈	Ba	135	167782.852	0.41	99.8191	0.439	0.439	ug/L
|	Ce	140	121593.658	0.30				ug/L
⌊>	Tb	159	408237.478	408237.48				ug/L
⌈	Ho	165	1376.899	0.00				ug/L
|	Tl	203	486516.102	1.31	66.9708	0.631	0.942	ug/L
|	Tl	205	1228443.186	3.32	68.9546	0.545	0.790	ug/L
|	Pb	206	380041.683	1.03	64.5652	0.471	0.729	ug/L
|	Pb	207	332363.426	0.90	59.7066	0.417	0.698	ug/L
|	Pb	208	1545214.196	4.17	62.5426	0.212	0.338	ug/L
|	U	238	2225751.424	6.01	56.8252	0.830	1.460	ug/L
⌊>	Bi	209	370202.810	370202.81				ug/L

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Na	23	226733.702	1.19	0.0405	0.002	6.117	mg/L
Mg	24	58686781.472	322.95	17.1287	0.414	2.417	mg/L
K	39	11338272.961	60.24	1.5969	0.044	2.753	mg/L
Ca	43	578842.014	3.18	35.7604	1.142	3.193	mg/L
Fe	54	1318766.542	7.01	2.1980	0.082	3.720	mg/L
Fe	57	546999.545	2.96	2.2194	0.102	4.581	mg/L
> Sc-1	45	181822.727	181822.73				mg/L
Cl	35	23843.060	-2155.37				mg/L
Kr	83	70.334	0.00				mg/L
Br	81	9685.355	-642.65				mg/L
P	31	43424.753	33763.39				mg/L
S	34	195615.202	42088.56				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.223			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.876			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.963			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.713			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103074202SDL WG360706-02

Sample Date/Time: Monday, April 04, 2011 12:06:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 38
Method File: C:\elandata\Method\6020a.mth
Sample Description: 50

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20855.095	0.00				ug/L
|	Be	9	243.336	0.00	0.8195	0.074	9.074	ug/L
|	Al	27	1411595.202	7.44	238.4414	12.052	5.055	ug/L
⌊>	Sc	45	189410.473	189410.47				ug/L
⌈	Ti	49	1033.491	0.00	1.7489	0.243	13.871	ug/L
|	V	51	31274.948	0.08	3.0501	0.078	2.569	ug/L
|	Cr	52	44470.104	0.10	4.3998	0.077	1.749	ug/L
|	Cr	53	4498.128	0.01	4.5064	0.197	4.368	ug/L
|	Mn	55	152682.958	0.43	12.5542	0.204	1.622	ug/L
|	Co	59	20345.549	0.06	2.0910	0.048	2.296	ug/L
|	Ni	60	12941.832	0.04	6.3564	0.154	2.418	ug/L
|	Cu	65	10239.342	0.03	4.7646	0.115	2.405	ug/L
|	Zn	66	14610.146	0.04	11.3546	0.013	0.117	ug/L
|>	Ge	72	357367.014	357367.01				ug/L
|	As	75	1561.620	0.00	1.5712	0.083	5.266	ug/L
|	Se	77	131.334	0.00	0.4060	0.081	19.850	ug/L
|	Se	82	70.477	0.00	0.6895	0.101	14.688	ug/L
⌊	Rb	85	4261.284	0.01				mg/L
	Y	89	245819.001	-17245.80				ug/L
	Rh	103	16.000	-0.67				ug/L
⌈	Mo	98	114.463	0.00	-0.0182	0.001	3.974	ug/L
|	Ag	107	5191.066	0.01	0.7694	0.010	1.273	ug/L
|	Cd	114	578.861	0.00	0.4308	0.033	7.730	ug/L
|>	In	115	356486.464	356486.46				ug/L
|	Sn	118	146.934	0.00	0.0060	0.001	16.392	ug/L
⌊	Sb	123	663.269	0.00	0.1331	0.009	6.448	ug/L
⌈	Ba	135	15453.420	0.04	8.7985	0.121	1.379	ug/L
|	Ce	140	23947.707	0.06				ug/L
⌊>	Tb	159	425724.503	425724.50				ug/L
⌈	Ho	165	343.374	0.00				ug/L
|	Tl	203	22282.361	0.06	2.8657	0.069	2.415	ug/L
|	Tl	205	54731.547	0.14	2.8642	0.088	3.072	ug/L
|	Pb	206	12279.326	0.03	1.9006	0.011	0.583	ug/L
|	Pb	207	10235.671	0.03	1.6837	0.031	1.817	ug/L
|	Pb	208	48505.656	0.12	1.7935	0.025	1.396	ug/L
|	U	238	27434.188	0.07	0.6503	0.007	1.100	ug/L
⌊>	Bi	209	394798.157	394798.16				ug/L

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⌈	Na	23	63782.472	0.28	0.0077	0.000	3.391	mg/L
|	Mg	24	11843258.657	62.54	3.3148	0.124	3.730	mg/L
|	K	39	2646307.748	11.82	0.3076	0.010	3.098	mg/L
|	Ca	43	116877.576	0.62	6.9122	0.114	1.647	mg/L
|	Fe	54	307995.786	1.38	0.4280	0.006	1.518	mg/L
|	Fe	57	117366.578	0.57	0.4268	0.009	2.152	mg/L
⌊>	Sc-1	45	189410.473	189410.47				mg/L
	Cl	35	20756.864	-5241.57				mg/L
	Kr	83	60.334	-10.00				mg/L
	Br	81	9148.851	-1179.15				mg/L
	P	31	16259.214	6597.85				mg/L
	S	34	205121.129	51594.49				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.199			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.917			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.031			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.138			
⌈	Na	23					

Sample ID: L1103074202SDL WG360706-02
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103074202SDL WG360706-02
Report Date/Time: Monday, April 04, 2011 12:08:53
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 12:13:48
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19468.939	0.00				ug/L
|	Be	9	14540.564	0.08	51.2715	2.412	4.704	ug/L
|	Al	27	290494.127	1.63	52.3031	2.183	4.173	ug/L
⌊>	Sc	45	176852.601	176852.60				ug/L
⌈	Ti	49	54587.421	0.16	97.9952	1.729	1.764	ug/L
|	V	51	437634.667	1.25	48.5344	0.878	1.809	ug/L
|	Cr	52	381312.255	1.07	49.1830	0.604	1.228	ug/L
|	Cr	53	44406.179	0.13	49.0189	1.443	2.944	ug/L
|	Mn	55	577269.978	1.66	49.0689	0.070	0.143	ug/L
|	Co	59	455414.191	1.31	49.0476	0.784	1.598	ug/L
|	Ni	60	97122.661	0.28	49.7140	0.404	0.814	ug/L
|	Cu	65	102962.729	0.30	49.9209	0.716	1.435	ug/L
|	Zn	66	62121.326	0.18	50.5692	0.619	1.225	ug/L
| >	Ge	72	346913.496	346913.50				ug/L
|	As	75	55023.798	0.16	48.4274	0.704	1.455	ug/L
|	Se	77	4476.335	0.01	48.5548	0.519	1.069	ug/L
|	Se	82	5378.312	0.02	47.8279	1.760	3.681	ug/L
⌊	Rb	85	2128.248	0.01				mg/L
	Y	89	234818.222	-28246.58				ug/L
	Rh	103	40.000	23.33				ug/L
⌈	Mo	98	287684.450	0.84	96.9795	0.675	0.696	ug/L
|	Ag	107	310303.861	0.90	49.1865	0.127	0.259	ug/L
|	Cd	114	65401.536	0.19	49.9989	0.752	1.504	ug/L
| >	In	115	343300.350	343300.35				ug/L
|	Sn	118	231359.913	0.67	49.2709	0.144	0.293	ug/L
⌊	Sb	123	204978.355	0.60	49.5407	0.515	1.040	ug/L
⌈	Ba	135	85393.261	0.20	49.7591	0.290	0.584	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	416708.118	416708.12				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	364256.475	0.97	49.2250	0.350	0.712	ug/L
|	Tl	205	888124.086	2.36	48.9366	1.557	3.182	ug/L
|	Pb	206	295044.579	0.78	49.1985	0.679	1.380	ug/L
|	Pb	207	280706.932	0.74	49.5025	0.315	0.637	ug/L
|	Pb	208	1236991.613	3.28	49.1478	0.254	0.517	ug/L
|	U	238	2037396.569	5.40	51.0728	0.512	1.003	ug/L
⌊>	Bi	209	377051.608	377051.61				ug/L

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Na	23	25632851.089	145.09	5.2131	0.236	4.519	mg/L
Mg	24	17174041.567	97.23	5.1549	0.212	4.118	mg/L
K	39	32981228.039	184.63	4.9089	0.252	5.137	mg/L
Ca	43	80131.137	0.45	5.0767	0.176	3.466	mg/L
Fe	54	2760403.237	15.38	4.8289	0.226	4.672	mg/L
Fe	57	1158689.663	6.51	4.8788	0.196	4.010	mg/L
> Sc-1	45	176852.601	176852.60				mg/L
Cl	35	19629.928	-6368.50				mg/L
Kr	83	64.001	-6.33				mg/L
Br	81	8380.848	-1947.15				mg/L
P	31	9376.401	-284.96				mg/L
S	34	187766.461	34239.82				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	97.069				
Cr	52	98.366				
Cr	53					
Mn	55	98.138				
Co	59	98.095				
Ni	60	99.428				
Cu	65	99.842				
Zn	66	101.138				
> Ge	72		92.414			
As	75	96.855				
Se	77					
Se	82	95.656				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.373				
Cd	114	99.998				
> In	115		93.333			
Sn	118					
Sb	123	99.081				
Ba	135	99.518				
Ce	140					
> Tb	159		96.933			
Ho	165					
Tl	203	98.450				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.296				
U	238	102.146				
> Bi	209		98.502			
Na	23					

Sample ID: QC Std 6
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 12:20:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19134.960	-0.01				ug/L
|	Be	9	8.667	0.00	0.0480	0.010	20.539	ug/L
|	Al	27	1966.866	-0.00	-0.0370	0.090	243.808	ug/L
⌊>	Sc	45	188190.220	188190.22				ug/L
⌈	Ti	49	76.675	0.00	0.0773	0.055	71.609	ug/L
|	V	51	3254.068	0.00	0.0072	0.011	151.741	ug/L
|	Cr	52	10152.252	0.00	-0.0290	0.019	66.619	ug/L
|	Cr	53	426.719	0.00	0.1050	0.117	110.998	ug/L
|	Mn	55	359.677	-0.00	-0.0332	0.004	11.756	ug/L
|	Co	59	131.336	0.00	-0.0246	0.002	7.814	ug/L
|	Ni	60	67.334	-0.00	-0.0539	0.001	2.781	ug/L
|	Cu	65	96.001	0.00	-0.0167	0.000	2.820	ug/L
|	Zn	66	207.338	0.00	-0.0843	0.017	20.124	ug/L
|>	Ge	72	361853.608	361853.61				ug/L
|	As	75	-201.125	0.00	0.0753	0.025	33.094	ug/L
|	Se	77	85.334	-0.00	-0.0999	0.059	58.757	ug/L
|	Se	82	-0.571	-0.00	0.0790	0.089	112.779	ug/L
⌊	Rb	85	23.334	0.00				mg/L
	Y	89	243192.520	-19872.28				ug/L
	Rh	103	15.000	-1.67				ug/L
⌈	Mo	98	267.207	0.00	0.0309	0.019	60.090	ug/L
|	Ag	107	74.334	0.00	-0.0121	0.000	2.587	ug/L
|	Cd	114	8.047	0.00	0.0103	0.003	25.464	ug/L
|>	In	115	358774.143	358774.14				ug/L
|	Sn	118	334.939	0.00	0.0441	0.004	9.782	ug/L
⌊	Sb	123	136.245	0.00	0.0101	0.004	35.468	ug/L
⌈	Ba	135	29.334	-0.00	-0.0028	0.004	143.396	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	424486.166	424486.17				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	469.016	0.00	0.0494	0.004	8.551	ug/L
|	Tl	205	1123.509	0.00	0.0414	0.003	8.197	ug/L
|	Pb	206	347.009	0.00	-0.0018	0.002	126.811	ug/L
|	Pb	207	303.008	0.00	0.0091	0.003	30.673	ug/L
|	Pb	208	1393.719	0.00	0.0038	0.002	58.342	ug/L
|	U	238	221.672	0.00	-0.0014	0.002	137.231	ug/L
⌊>	Bi	209	394543.678	394543.68				ug/L

Approved: April 05, 2011

Na	23	12882.932	0.01	-0.0019	0.000	2.526	mg/L
Mg	24	2033.752	0.01	-0.0024	0.000	4.964	mg/L
K	39	426424.696	0.11	-0.0039	0.004	91.237	mg/L
Ca	43	263.363	-0.00	-0.0023	0.001	43.028	mg/L
Fe	54	45693.540	-0.01	-0.0064	0.005	79.240	mg/L
Fe	57	7887.234	-0.01	-0.0062	0.002	29.680	mg/L
Sc-1	45	188190.220	188190.22				mg/L
Cl	35	18523.817	-7474.61				mg/L
Kr	83	65.668	-4.67				mg/L
Br	81	9399.085	-928.92				mg/L
P	31	9725.409	64.05				mg/L
S	34	187093.505	33566.87				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.394			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.539			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		98.742			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		103.071			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 7	Tl	203	CCB IS OUT OF LIMITS (+/-1/2RL)

Sample ID: QC Std 7
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Method 6020 - Summary Report

Sample ID: PBS 63 WG360675-01

Sample Date/Time: Monday, April 04, 2011 12:27:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 39
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21172.425	0.00				ug/L
|	Be	9	11.333	0.00	0.0563	0.009	16.855	ug/L
|	Al	27	3567.305	0.01	0.2242	0.039	17.211	ug/L
⌊>	Sc	45	190839.189	190839.19				ug/L
⌈	Ti	49	40.004	-0.00	0.0143	0.034	238.800	ug/L
|	V	51	3133.144	0.00	-0.0042	0.004	83.720	ug/L
|	Cr	52	10094.860	0.00	-0.0303	0.007	24.043	ug/L
|	Cr	53	470.058	0.00	0.1541	0.101	65.337	ug/L
|	Mn	55	546.687	0.00	-0.0178	0.000	1.650	ug/L
|	Co	59	103.002	-0.00	-0.0275	0.001	5.443	ug/L
|	Ni	60	78.668	-0.00	-0.0481	0.005	10.113	ug/L
|	Cu	65	119.002	0.00	-0.0058	0.004	61.143	ug/L
|	Zn	66	2302.622	0.01	1.5674	0.052	3.339	ug/L
|>	Ge	72	360132.105	360132.11				ug/L
|	As	75	-176.000	0.00	0.0955	0.048	50.675	ug/L
|	Se	77	70.000	-0.00	-0.2581	0.185	71.744	ug/L
|	Se	82	4.783	0.00	0.1243	0.098	78.775	ug/L
⌊	Rb	85	27.667	0.00				mg/L
	Y	89	246346.398	-16718.40				ug/L
	Rh	103	8.667	-8.00				ug/L
⌈	Mo	98	87.681	0.00	-0.0271	0.004	14.223	ug/L
|	Ag	107	48.667	0.00	-0.0160	0.001	3.156	ug/L
|	Cd	114	4.485	0.00	0.0077	0.002	20.189	ug/L
|>	In	115	358077.187	358077.19				ug/L
|	Sn	118	175.335	0.00	0.0116	0.001	9.143	ug/L
⌊	Sb	123	99.244	0.00	0.0016	0.003	205.722	ug/L
⌈	Ba	135	31.334	-0.00	-0.0015	0.001	74.089	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	420408.303	420408.30				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	322.342	0.00	0.0305	0.000	0.511	ug/L
|	Tl	205	786.776	0.00	0.0236	0.002	6.704	ug/L
|	Pb	206	365.344	0.00	0.0011	0.002	200.924	ug/L
|	Pb	207	293.007	-0.00	0.0074	0.004	47.205	ug/L
|	Pb	208	1396.386	0.00	0.0039	0.002	41.033	ug/L
|	U	238	77.668	0.00	-0.0049	0.000	6.732	ug/L
⌊>	Bi	209	394281.539	394281.54				ug/L

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⌈	Na	23	17657.360	0.04	-0.0010	0.000	4.745	mg/L
|	Mg	24	1506.931	0.01	-0.0026	0.000	0.630	mg/L
|	K	39	414316.268	0.02	-0.0065	0.003	44.033	mg/L
|	Ca	43	313.370	-0.00	0.0003	0.006	1761.448	mg/L
|	Fe	54	45165.994	-0.01	-0.0084	0.004	42.140	mg/L
|	Fe	57	7943.956	-0.01	-0.0064	0.002	35.736	mg/L
⌊>	Sc-1	45	190839.189	190839.19				mg/L
	Cl	35	18320.776	-7677.65				mg/L
	Kr	83	63.334	-7.00				mg/L
	Br	81	9708.711	-619.29				mg/L
	P	31	9534.550	-126.81				mg/L
	S	34	182137.851	28611.21				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.936			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.350			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.794			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.003			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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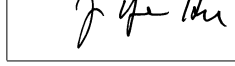

Method 6020 - Summary Report

Sample ID: LCSS 63 WG360675-02

Sample Date/Time: Monday, April 04, 2011 12:35:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 40
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23845.064	0.01				ug/L
|	Be	9	7354.037	0.04	22.8174	0.981	4.300	ug/L
|	Al	27	150677.104	0.74	23.6572	0.677	2.863	ug/L
⌊>	Sc	45	200881.436	200881.44				ug/L
⌈	Ti	49	8431.070	0.02	14.8332	0.831	5.601	ug/L
|	V	51	224150.770	0.63	24.2710	0.610	2.513	ug/L
|	Cr	52	214218.340	0.58	26.5752	0.295	1.110	ug/L
|	Cr	53	69326.653	0.20	75.4257	3.370	4.468	ug/L
|	Mn	55	320344.294	0.91	26.7427	0.112	0.419	ug/L
|	Co	59	258465.482	0.73	27.3521	0.455	1.662	ug/L
|	Ni	60	55091.943	0.16	27.6873	0.761	2.747	ug/L
|	Cu	65	57519.871	0.16	27.3897	0.378	1.379	ug/L
|	Zn	66	31377.802	0.09	24.9872	0.161	0.644	ug/L
| >	Ge	72	352857.707	352857.71				ug/L
|	As	75	24085.967	0.07	20.9796	0.125	0.594	ug/L
|	Se	77	4490.341	0.01	47.8711	0.606	1.265	ug/L
|	Se	82	2095.019	0.01	18.3666	0.325	1.772	ug/L
⌊	Rb	85	54.667	0.00				mg/L
	Y	89	232068.223	-30996.58				ug/L
	Rh	103	22.334	5.67				ug/L
⌈	Mo	98	101.202	0.00	-0.0215	0.004	19.599	ug/L
|	Ag	107	141212.131	0.41	22.1860	0.284	1.281	ug/L
|	Cd	114	30220.267	0.09	22.9163	0.349	1.523	ug/L
| >	In	115	346186.141	346186.14				ug/L
|	Sn	118	654.688	0.00	0.1142	0.004	3.825	ug/L
⌊	Sb	123	85770.538	0.25	20.5414	0.288	1.400	ug/L
⌈	Ba	135	42545.072	0.10	24.2399	0.194	0.801	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	426018.590	426018.59				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	201346.923	0.49	24.9717	0.321	1.285	ug/L
|	Tl	205	505648.084	1.23	25.5691	0.622	2.433	ug/L
|	Pb	206	173742.495	0.42	26.5684	0.397	1.494	ug/L
|	Pb	207	152600.054	0.37	24.6811	0.126	0.510	ug/L
|	Pb	208	708781.522	1.72	25.8265	0.187	0.724	ug/L
|	U	238	1190176.232	2.90	27.3825	0.220	0.803	ug/L
⌊>	Bi	209	410773.391	410773.39				ug/L

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⌈	Na	23	64675.319	0.27	0.0072	0.001	10.271	mg/L
|	Mg	24	9412.035	0.05	-0.0005	0.000	14.522	mg/L
|	K	39	436546.736	0.02	-0.0065	0.001	18.325	mg/L
|	Ca	43	470.058	0.00	0.0083	0.004	43.235	mg/L
|	Fe	54	127364.098	0.39	0.1164	0.005	4.015	mg/L
|	Fe	57	7920.595	-0.01	-0.0081	0.000	1.056	mg/L
⌊>	Sc-1	45	200881.436	200881.44				mg/L
	Cl	35	56229640.304	56203641.87				mg/L
	Kr	83	65.334	-5.00				mg/L
	Br	81	15433.903	5105.90				mg/L
	P	31	23167.499	13506.14				mg/L
	S	34	187592.058	34065.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.998			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.117			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.099			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		107.311			
⌈	Na	23					

Sample ID: LCSS 63 WG360675-02
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 63 WG360675-02
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Method 6020 - Summary Report

Sample ID: LCSS DP WG360675-03

Sample Date/Time: Monday, April 04, 2011 12:42:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 41
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24847.522	0.01				ug/L
|	Be	9	7283.986	0.04	22.4880	1.036	4.608	ug/L
|	Al	27	148766.730	0.73	23.2214	0.804	3.464	ug/L
⌊>	Sc	45	201953.721	201953.72				ug/L
⌈	Ti	49	7817.173	0.02	13.6867	0.504	3.679	ug/L
|	V	51	220284.214	0.61	23.7369	0.515	2.168	ug/L
|	Cr	52	216589.649	0.58	26.7563	0.298	1.114	ug/L
|	Cr	53	77426.593	0.22	83.8792	2.878	3.431	ug/L
|	Mn	55	328783.032	0.93	27.3243	0.254	0.930	ug/L
|	Co	59	263404.455	0.74	27.7475	0.106	0.382	ug/L
|	Ni	60	55771.988	0.16	27.9008	0.157	0.563	ug/L
|	Cu	65	60093.632	0.17	28.4868	0.121	0.425	ug/L
|	Zn	66	31618.223	0.09	25.0662	0.092	0.368	ug/L
|>	Ge	72	354462.047	354462.05				ug/L
|	As	75	24080.787	0.07	20.8818	0.356	1.705	ug/L
|	Se	77	4723.116	0.01	50.1679	1.438	2.866	ug/L
|	Se	82	2054.270	0.01	17.9299	0.174	0.969	ug/L
⌊	Rb	85	40.334	0.00				mg/L
	Y	89	233374.954	-29689.85				ug/L
	Rh	103	28.000	11.33				ug/L
⌈	Mo	98	72.352	0.00	-0.0313	0.001	1.728	ug/L
|	Ag	107	142071.537	0.41	22.2230	0.247	1.110	ug/L
|	Cd	114	31120.334	0.09	23.4938	0.318	1.354	ug/L
|>	In	115	347700.928	347700.93				ug/L
|	Sn	118	379.474	0.00	0.0556	0.002	4.317	ug/L
⌊	Sb	123	89079.737	0.26	21.2444	0.523	2.462	ug/L
⌈	Ba	135	43094.091	0.10	24.2295	0.105	0.432	ug/L
|	Ce	140	50.005	0.00				ug/L
⌊>	Tb	159	431712.151	431712.15				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	203597.148	0.49	25.0451	0.326	1.302	ug/L
|	Tl	205	507839.294	1.23	25.4696	0.452	1.777	ug/L
|	Pb	206	175488.027	0.42	26.6176	0.338	1.270	ug/L
|	Pb	207	156436.538	0.38	25.0972	0.280	1.117	ug/L
|	Pb	208	718217.466	1.73	25.9590	0.118	0.456	ug/L
|	U	238	1226572.328	2.96	27.9915	0.522	1.865	ug/L
⌊>	Bi	209	414119.146	414119.15				ug/L

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⌈	Na	23	89521.341	0.39	0.0116	0.000	1.103	mg/L
|	Mg	24	8060.723	0.04	-0.0009	0.000	16.032	mg/L
|	K	39	430420.580	-0.02	-0.0076	0.002	31.090	mg/L
|	Ca	43	586.743	0.00	0.0147	0.008	55.904	mg/L
|	Fe	54	131693.282	0.40	0.1221	0.006	5.051	mg/L
|	Fe	57	8471.105	-0.01	-0.0061	0.002	39.023	mg/L
⌊>	Sc-1	45	201953.721	201953.72				mg/L
	Cl	35	58027540.599	58001542.17				mg/L
	Kr	83	74.001	3.67				mg/L
	Br	81	15998.125	5670.12				mg/L
	P	31	23607.976	13946.62				mg/L
	S	34	176872.757	23346.12				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.425			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.529			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.423			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.185			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS DP WG360675-03
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Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 12:49:20
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19669.421	-0.00				ug/L
|	Be	9	1148.066	0.01	3.9420	0.175	4.440	ug/L
|	Al	27	7178074.595	39.38	1261.3306	12.814	1.016	ug/L
⌊>	Sc	45	182229.244	182229.24				ug/L
⌈	Ti	49	11267.472	0.03	20.2671	0.558	2.752	ug/L
|	V	51	152426.575	0.43	16.7484	0.170	1.014	ug/L
|	Cr	52	175469.652	0.48	22.0111	0.317	1.440	ug/L
|	Cr	53	29396.089	0.08	32.4605	0.975	3.003	ug/L
|	Mn	55	764440.753	2.21	65.2550	0.838	1.284	ug/L
|	Co	59	99587.427	0.29	10.7380	0.144	1.338	ug/L
|	Ni	60	62377.231	0.18	32.0216	0.281	0.877	ug/L
|	Cu	65	50026.998	0.14	24.3185	0.462	1.899	ug/L
|	Zn	66	61026.588	0.18	49.8693	0.628	1.260	ug/L
|>	Ge	72	345581.020	345581.02				ug/L
|	As	75	8298.275	0.02	7.5383	0.177	2.342	ug/L
|	Se	77	723.360	0.00	7.0348	0.421	5.982	ug/L
|	Se	82	309.390	0.00	2.8415	0.224	7.880	ug/L
⌊	Rb	85	22261.310	0.06				mg/L
	Y	89	256917.343	-6147.46				ug/L
	Rh	103	30.000	13.33				ug/L
⌈	Mo	98	817.909	0.00	0.2229	0.004	1.803	ug/L
|	Ag	107	25363.712	0.07	4.0345	0.039	0.959	ug/L
|	Cd	114	2855.145	0.01	2.2066	0.060	2.701	ug/L
|>	In	115	340310.517	340310.52				ug/L
|	Sn	118	529.081	0.00	0.0895	0.006	7.127	ug/L
⌊	Sb	123	31642.432	0.09	7.6960	0.109	1.414	ug/L
⌈	Ba	135	100561.771	0.24	59.4647	0.085	0.143	ug/L
|	Ce	140	129722.221	0.32				ug/L
⌊>	Tb	159	410663.948	410663.95				ug/L
⌈	Ho	165	1463.587	0.00				ug/L
|	Tl	203	106565.571	0.28	14.1851	0.240	1.693	ug/L
|	Tl	205	263147.390	0.69	14.2785	0.339	2.371	ug/L
|	Pb	206	61514.575	0.16	10.0631	0.029	0.289	ug/L
|	Pb	207	51798.667	0.13	8.9674	0.031	0.344	ug/L
|	Pb	208	242911.621	0.63	9.4713	0.013	0.137	ug/L
|	U	238	133730.599	0.35	3.2974	0.014	0.419	ug/L
⌊>	Bi	209	382614.614	382614.61				ug/L

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⌈	Na	23	232791.952	1.22	0.0416	0.000	0.886	mg/L
|	Mg	24	58373988.197	320.29	16.9874	0.446	2.626	mg/L
|	K	39	11886123.923	63.08	1.6726	0.035	2.065	mg/L
|	Ca	43	591535.497	3.24	36.4468	1.024	2.810	mg/L
|	Fe	54	1474972.279	7.85	2.4614	0.068	2.782	mg/L
|	Fe	57	599661.336	3.24	2.4292	0.057	2.340	mg/L
⌊>	Sc-1	45	182229.244	182229.24				mg/L
	Cl	35	5505641.093	5479642.66				mg/L
	Kr	83	71.334	1.00				mg/L
	Br	81	9597.271	-730.73				mg/L
	P	31	43704.772	34043.41				mg/L
	S	34	196328.431	42801.79				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.059			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.520			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.527			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.955			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1103074204PS WG360707-01

Sample Date/Time: Monday, April 04, 2011 12:56:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 43
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20203.760	-0.00				ug/L
|	Be	9	16870.892	0.09	55.4034	1.415	2.554	ug/L
|	Al	27	7847966.842	41.38	1325.5547	17.515	1.321	ug/L
⌊>	Sc	45	189597.144	189597.14				ug/L
⌈	Ti	49	11491.085	0.03	20.6785	0.596	2.880	ug/L
|	V	51	635567.173	1.83	70.9580	0.807	1.138	ug/L
|	Cr	52	593030.426	1.69	77.5738	0.661	0.852	ug/L
|	Cr	53	74833.111	0.22	83.2082	0.925	1.112	ug/L
|	Mn	55	1416918.873	4.10	121.0732	1.207	0.997	ug/L
|	Co	59	598054.865	1.73	64.7112	0.666	1.030	ug/L
|	Ni	60	168910.318	0.49	86.9101	0.921	1.060	ug/L
|	Cu	65	162583.326	0.47	79.2121	0.640	0.808	ug/L
|	Zn	66	124280.115	0.36	101.8696	0.957	0.940	ug/L
|>	Ge	72	345366.424	345366.42				ug/L
|	As	75	67809.564	0.20	59.8892	0.719	1.200	ug/L
|	Se	77	5260.717	0.01	57.4979	0.525	0.913	ug/L
|	Se	82	6009.931	0.02	53.6691	0.676	1.260	ug/L
⌊	Rb	85	22752.419	0.07				mg/L
	Y	89	253203.990	-9860.81				ug/L
	Rh	103	58.667	42.00				ug/L
⌈	Mo	98	872.809	0.00	0.2387	0.008	3.530	ug/L
|	Ag	107	356381.808	1.04	56.4384	0.462	0.818	ug/L
|	Cd	114	74461.451	0.22	56.8719	0.728	1.280	ug/L
|>	In	115	343634.544	343634.54				ug/L
|	Sn	118	542.015	0.00	0.0912	0.004	3.996	ug/L
⌊	Sb	123	254359.323	0.74	61.4165	0.710	1.156	ug/L
⌈	Ba	135	194076.886	0.47	113.3411	0.570	0.503	ug/L
|	Ce	140	132137.325	0.32				ug/L
⌊>	Tb	159	415880.462	415880.46				ug/L
⌈	Ho	165	1396.904	0.00				ug/L
|	Tl	203	509562.583	1.34	68.0950	1.705	2.503	ug/L
|	Tl	205	1264116.350	3.31	68.8727	0.238	0.346	ug/L
|	Pb	206	400422.298	1.05	66.0339	0.785	1.189	ug/L
|	Pb	207	348780.026	0.91	60.8226	0.882	1.450	ug/L
|	Pb	208	1607975.698	4.21	63.1777	0.686	1.086	ug/L
|	U	238	2356115.872	6.18	58.3892	0.363	0.622	ug/L
⌊>	Bi	209	381398.144	381398.14				ug/L

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⌈	Na	23	225654.016	1.13	0.0384	0.001	2.339	mg/L
|	Mg	24	59736470.616	315.07	16.7109	0.287	1.716	mg/L
|	K	39	11813010.447	60.15	1.5946	0.020	1.281	mg/L
|	Ca	43	598116.561	3.15	35.4137	0.269	0.759	mg/L
|	Fe	54	1464189.538	7.47	2.3436	0.046	1.952	mg/L
|	Fe	57	613174.801	3.18	2.3861	0.031	1.287	mg/L
⌊>	Sc-1	45	189597.144	189597.14				mg/L
	Cl	35	5591465.847	5565467.42				mg/L
	Kr	83	74.334	4.00				mg/L
	Br	81	9877.543	-450.46				mg/L
	P	31	44285.300	34623.94				mg/L
	S	34	196547.660	43021.02				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.002			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.423			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.741			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.637			
⌈	Na	23					

Sample ID: L1103074204PS WG360707-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103074204SDL WG360707-02

Sample Date/Time: Monday, April 04, 2011 13:03:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 44
Method File: C:\elandata\Method\6020a.mth
Sample Description: 50

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19602.530	0.00				ug/L
|	Be	9	214.669	0.00	0.7662	0.136	17.766	ug/L
|	Al	27	1605412.745	8.95	286.8025	14.855	5.179	ug/L
⌊>	Sc	45	179380.583	179380.58				ug/L
⌈	Ti	49	2230.473	0.01	3.9001	0.372	9.530	ug/L
|	V	51	33990.338	0.09	3.4042	0.072	2.103	ug/L
|	Cr	52	44867.545	0.10	4.5443	0.031	0.690	ug/L
|	Cr	53	7643.685	0.02	8.0324	0.118	1.465	ug/L
|	Mn	55	156024.987	0.44	13.0388	0.097	0.742	ug/L
|	Co	59	20628.796	0.06	2.1555	0.024	1.135	ug/L
|	Ni	60	12827.016	0.04	6.4019	0.039	0.610	ug/L
|	Cu	65	10444.224	0.03	4.9407	0.122	2.469	ug/L
|	Zn	66	14335.412	0.04	11.3219	0.022	0.196	ug/L
|>	Ge	72	351637.371	351637.37				ug/L
|	As	75	1716.331	0.01	1.7273	0.107	6.171	ug/L
|	Se	77	207.335	0.00	1.2588	0.202	16.041	ug/L
|	Se	82	77.836	0.00	0.7644	0.110	14.420	ug/L
⌊	Rb	85	4568.089	0.01				mg/L
	Y	89	243482.761	-19582.04				ug/L
	Rh	103	17.334	0.67				ug/L
⌈	Mo	98	181.204	0.00	0.0047	0.007	137.044	ug/L
|	Ag	107	5381.168	0.02	0.8166	0.012	1.458	ug/L
|	Cd	114	570.637	0.00	0.4338	0.006	1.410	ug/L
|>	In	115	348750.644	348750.64				ug/L
|	Sn	118	191.068	0.00	0.0159	0.001	5.542	ug/L
⌊	Sb	123	7313.694	0.02	1.7192	0.016	0.942	ug/L
⌈	Ba	135	20680.903	0.05	11.9918	0.096	0.802	ug/L
|	Ce	140	27035.871	0.06				ug/L
⌊>	Tb	159	418261.796	418261.80				ug/L
⌈	Ho	165	373.378	0.00				ug/L
|	Tl	203	21695.727	0.06	2.8291	0.025	0.883	ug/L
|	Tl	205	53742.741	0.14	2.8513	0.035	1.231	ug/L
|	Pb	206	12883.090	0.03	2.0257	0.018	0.903	ug/L
|	Pb	207	10789.259	0.03	1.8022	0.008	0.434	ug/L
|	Pb	208	50907.331	0.13	1.9116	0.018	0.951	ug/L
|	U	238	26585.901	0.07	0.6389	0.019	3.046	ug/L
⌊>	Bi	209	389342.129	389342.13				ug/L

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⌈	Na	23	63386.668	0.30	0.0084	0.001	9.750	mg/L
|	Mg	24	11782408.389	65.81	3.4879	0.194	5.567	mg/L
|	K	39	2736254.157	13.12	0.3423	0.016	4.783	mg/L
|	Ca	43	118621.341	0.66	7.4192	0.316	4.253	mg/L
|	Fe	54	329415.956	1.59	0.4955	0.039	7.936	mg/L
|	Fe	57	130512.515	0.68	0.5085	0.025	4.862	mg/L
⌊>	Sc-1	45	179380.583	179380.58				mg/L
	Cl	35	1126248.134	1100249.70				mg/L
	Kr	83	57.334	-13.00				mg/L
	Br	81	9374.394	-953.61				mg/L
	P	31	16551.707	6890.35				mg/L
	S	34	202272.391	48745.75				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.673			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.814			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.295			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.713			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 13:10:43
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18250.007	-0.01				ug/L
|	Be	9	14262.832	0.08	49.4996	1.757	3.549	ug/L
|	Al	27	296243.642	1.64	52.5304	2.780	5.292	ug/L
⌊>	Sc	45	179497.099	179497.10				ug/L
⌈	Ti	49	53950.535	0.15	96.5902	1.481	1.533	ug/L
|	V	51	437094.552	1.25	48.3353	0.230	0.477	ug/L
|	Cr	52	378527.240	1.06	48.6738	0.555	1.141	ug/L
|	Cr	53	44958.670	0.13	49.4892	0.881	1.779	ug/L
|	Mn	55	572268.514	1.64	48.5084	0.612	1.261	ug/L
|	Co	59	458918.632	1.32	49.2891	0.678	1.376	ug/L
|	Ni	60	96898.181	0.28	49.4599	0.719	1.454	ug/L
|	Cu	65	103189.398	0.30	49.8903	0.868	1.740	ug/L
|	Zn	66	62873.331	0.18	51.0386	0.235	0.461	ug/L
| >	Ge	72	347896.801	347896.80				ug/L
|	As	75	55180.164	0.16	48.4301	0.781	1.612	ug/L
|	Se	77	4485.673	0.01	48.5140	1.104	2.276	ug/L
|	Se	82	5468.009	0.02	48.4847	1.144	2.360	ug/L
⌊	Rb	85	2157.588	0.01				mg/L
	Y	89	231437.080	-31627.72				ug/L
	Rh	103	34.667	18.00				ug/L
⌈	Mo	98	286373.512	0.82	94.8884	1.703	1.795	ug/L
|	Ag	107	313753.650	0.90	48.8784	0.463	0.948	ug/L
|	Cd	114	65627.489	0.19	49.3148	0.525	1.065	ug/L
| >	In	115	349304.577	349304.58				ug/L
|	Sn	118	234902.151	0.67	49.1670	0.310	0.630	ug/L
⌊	Sb	123	208377.291	0.60	49.4956	0.392	0.791	ug/L
⌈	Ba	135	86147.689	0.20	49.5746	0.512	1.033	ug/L
|	Ce	140	56.672	0.00				ug/L
⌊>	Tb	159	421982.796	421982.80				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	375320.339	0.98	49.9777	1.027	2.056	ug/L
|	Tl	205	938342.053	2.45	50.9495	0.963	1.890	ug/L
|	Pb	206	303163.120	0.79	49.8095	0.538	1.081	ug/L
|	Pb	207	285722.172	0.75	49.6469	0.879	1.771	ug/L
|	Pb	208	1264401.752	3.30	49.4967	0.425	0.858	ug/L
|	U	238	2059377.960	5.38	50.8613	0.313	0.615	ug/L
⌊>	Bi	209	382722.509	382722.51				ug/L

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Na	23	25616259.420	142.68	5.1266	0.078	1.524	mg/L	
Mg	24	17221946.844	95.95	5.0869	0.091	1.792	mg/L	
K	39	33476165.044	184.41	4.9031	0.129	2.641	mg/L	
Ca	43	79274.235	0.44	4.9438	0.115	2.317	mg/L	
Fe	54	2734597.179	15.00	4.7074	0.235	4.985	mg/L	
Fe	57	1149658.468	6.36	4.7638	0.104	2.181	mg/L	
Sc-1	45	179497.099	179497.10				mg/L	
Cl	35	38135.928	12137.50				mg/L	
Kr	83	66.334	-4.00				mg/L	
Br	81	8915.982	-1412.02				mg/L	
P	31	8857.940	-803.42				mg/L	
S	34	182331.543	28804.91				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	96.671				
Cr	52	97.348				
Cr	53					
Mn	55	97.017				
Co	59	98.578				
Ni	60	98.920				
Cu	65	99.781				
Zn	66	102.077				
Ge	72		92.676			
As	75	96.860				
Se	77					
Se	82	96.969				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.757				
Cd	114	98.630				
In	115		94.965			
Sn	118					
Sb	123	98.991				
Ba	135	99.149				
Ce	140					
Tb	159		98.160			
Ho	165					
Tl	203	99.955				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.993				
U	238	101.723				
Bi	209		99.983			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 13:12:56

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 13:12:56

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 13:17:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19151.712	-0.00				ug/L
|	Be	9	8.667	0.00	0.0492	0.010	20.621	ug/L
|	Al	27	2116.910	0.00	0.0004	0.131	33326.430	ug/L
⌊>	Sc	45	180243.554	180243.55				ug/L
⌈	Ti	49	70.007	0.00	0.0690	0.035	50.071	ug/L
|	V	51	3129.065	0.00	0.0033	0.019	582.381	ug/L
|	Cr	52	10042.809	0.00	-0.0073	0.018	241.848	ug/L
|	Cr	53	1270.209	0.00	1.0431	0.191	18.313	ug/L
|	Mn	55	325.342	-0.00	-0.0353	0.002	4.390	ug/L
|	Co	59	120.002	0.00	-0.0254	0.002	9.256	ug/L
|	Ni	60	56.001	-0.00	-0.0586	0.002	3.374	ug/L
|	Cu	65	86.335	0.00	-0.0201	0.001	5.751	ug/L
|	Zn	66	189.337	0.00	-0.0942	0.005	4.869	ug/L
|>	Ge	72	351960.448	351960.45				ug/L
|	As	75	-193.956	0.00	0.0766	0.029	37.986	ug/L
|	Se	77	92.000	-0.00	-0.0010	0.191	19985.736	ug/L
|	Se	82	11.136	0.00	0.1808	0.102	56.470	ug/L
⌊	Rb	85	21.334	0.00				mg/L
	Y	89	243445.224	-19619.58				ug/L
	Rh	103	13.000	-3.67				ug/L
⌈	Mo	98	302.359	0.00	0.0433	0.016	35.956	ug/L
|	Ag	107	141.669	0.00	-0.0017	0.003	197.876	ug/L
|	Cd	114	-3.327	-0.00	0.0020	0.001	68.726	ug/L
|>	In	115	355183.015	355183.02				ug/L
|	Sn	118	306.005	0.00	0.0389	0.005	13.847	ug/L
⌊	Sb	123	384.417	0.00	0.0684	0.001	1.399	ug/L
⌈	Ba	135	29.334	-0.00	-0.0028	0.005	185.040	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	424593.197	424593.20				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	90.335	0.00	0.0006	0.000	44.844	ug/L
|	Tl	205	186.687	0.00	-0.0079	0.002	25.309	ug/L
|	Pb	206	341.009	-0.00	-0.0025	0.005	192.139	ug/L
|	Pb	207	310.008	0.00	0.0106	0.004	37.582	ug/L
|	Pb	208	1379.384	0.00	0.0035	0.002	63.097	ug/L
|	U	238	218.338	0.00	-0.0014	0.001	59.414	ug/L
⌊>	Bi	209	392615.171	392615.17				ug/L

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 13:20:00
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Approved: April 05, 2011

⌈	Na	23	12672.660	0.01	-0.0018	0.000	10.357	mg/L
|	Mg	24	1750.334	0.01	-0.0025	0.000	4.638	mg/L
|	K	39	403920.928	0.09	-0.0047	0.001	17.513	mg/L
|	Ca	43	303.368	-0.00	0.0009	0.003	312.120	mg/L
|	Fe	54	44286.882	-0.00	-0.0057	0.002	43.472	mg/L
|	Fe	57	7390.139	-0.01	-0.0069	0.002	27.344	mg/L
⌊>	Sc-1	45	180243.554	180243.55				mg/L
	Cl	35	33595.046	7596.62				mg/L
	Kr	83	61.001	-9.33				mg/L
	Br	81	9590.597	-737.40				mg/L
	P	31	10100.442	439.08				mg/L
	S	34	177553.398	24026.76				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.759			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.563			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.767			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.568			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 13:20:00
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Approved: April 05, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 13:20:00

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: PBW 76 WG360653-02

Sample Date/Time: Monday, April 04, 2011 13:25:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19869.817	-0.00				ug/L
|	Be	9	10.000	0.00	0.0520	0.005	10.548	ug/L
|	Al	27	4267.580	0.01	0.3451	0.027	7.819	ug/L
⌊>	Sc	45	189853.530	189853.53				ug/L
⌈	Ti	49	76.675	0.00	0.0770	0.027	34.778	ug/L
|	V	51	3196.527	0.00	0.0002	0.004	2683.286	ug/L
|	Cr	52	10349.123	0.00	-0.0073	0.021	287.959	ug/L
|	Cr	53	943.472	0.00	0.6535	0.084	12.795	ug/L
|	Mn	55	762.703	0.00	-0.0005	0.002	347.392	ug/L
|	Co	59	100.002	-0.00	-0.0279	0.001	2.105	ug/L
|	Ni	60	79.668	-0.00	-0.0479	0.003	6.911	ug/L
|	Cu	65	107.668	0.00	-0.0114	0.005	40.498	ug/L
|	Zn	66	5188.398	0.01	3.8125	0.058	1.526	ug/L
|>	Ge	72	362714.247	362714.25				ug/L
|	As	75	-233.153	-0.00	0.0488	0.024	48.813	ug/L
|	Se	77	96.000	-0.00	0.0118	0.144	1217.455	ug/L
|	Se	82	-2.542	-0.00	0.0617	0.036	58.760	ug/L
⌊	Rb	85	24.000	0.00				mg/L
	Y	89	250783.984	-12280.82				ug/L
	Rh	103	12.000	-4.67				ug/L
⌈	Mo	98	95.166	0.00	-0.0247	0.002	8.787	ug/L
|	Ag	107	104.335	0.00	-0.0076	0.002	27.041	ug/L
|	Cd	114	4.140	0.00	0.0075	0.001	11.129	ug/L
|>	In	115	358766.036	358766.04				ug/L
|	Sn	118	184.802	0.00	0.0135	0.001	6.278	ug/L
⌊	Sb	123	306.539	0.00	0.0494	0.005	9.515	ug/L
⌈	Ba	135	34.334	-0.00	-0.0001	0.002	2193.475	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	427425.351	427425.35				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	60.334	0.00	-0.0034	0.000	11.204	ug/L
|	Tl	205	150.016	0.00	-0.0100	0.001	6.228	ug/L
|	Pb	206	345.676	-0.00	-0.0024	0.004	145.783	ug/L
|	Pb	207	301.674	0.00	0.0085	0.002	27.019	ug/L
|	Pb	208	1415.721	0.00	0.0042	0.001	21.885	ug/L
|	U	238	64.001	0.00	-0.0052	0.000	3.364	ug/L
⌊>	Bi	209	397287.895	397287.89				ug/L

Sample ID: PBW 76 WG360653-02
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Approved: April 05, 2011

⌈	Na	23	20583.224	0.05	-0.0005	0.000	48.080	mg/L
|	Mg	24	1660.304	0.01	-0.0025	0.000	1.334	mg/L
|	K	39	406429.069	-0.01	-0.0073	0.003	39.644	mg/L
|	Ca	43	273.364	-0.00	-0.0019	0.002	121.431	mg/L
|	Fe	54	45617.785	-0.01	-0.0073	0.006	79.637	mg/L
|	Fe	57	7213.322	-0.01	-0.0091	0.001	12.383	mg/L
⌊>	Sc-1	45	189853.530	189853.53				mg/L
	Cl	35	32493.401	6494.97				mg/L
	Kr	83	62.334	-8.00				mg/L
	Br	81	9762.768	-565.23				mg/L
	P	31	10196.544	535.18				mg/L
	S	34	172036.819	18510.18				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.624			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.537			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.426			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.788			
⌈	Na	23					

Sample ID: PBW 76 WG360653-02
Report Date/Time: Monday, April 04, 2011 13:27:19
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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 76 WG360653-02
Report Date/Time: Monday, April 04, 2011 13:27:19
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: F BLANK WG360540-01

Sample Date/Time: Monday, April 04, 2011 13:32:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18667.467	-0.01				ug/L
|	Be	9	10.667	0.00	0.0553	0.025	45.149	ug/L
|	Al	27	4084.175	0.01	0.3173	0.059	18.511	ug/L
|>	Sc	45	188784.311	188784.31				ug/L
⌈	Ti	49	56.672	0.00	0.0435	0.009	20.622	ug/L
|	V	51	3065.047	0.00	-0.0107	0.008	70.465	ug/L
|	Cr	52	10247.351	0.00	-0.0073	0.008	114.338	ug/L
|	Cr	53	893.463	0.00	0.6108	0.179	29.379	ug/L
|	Mn	55	693.031	0.00	-0.0056	0.002	28.418	ug/L
|	Co	59	101.335	-0.00	-0.0276	0.000	1.209	ug/L
|	Ni	60	77.001	-0.00	-0.0488	0.002	4.760	ug/L
|	Cu	65	105.668	0.00	-0.0118	0.003	27.306	ug/L
|	Zn	66	2898.116	0.01	2.0429	0.026	1.275	ug/L
|>	Ge	72	359158.381	359158.38				ug/L
|	As	75	-195.550	0.00	0.0785	0.023	29.072	ug/L
|	Se	77	100.001	-0.00	0.0633	0.163	257.588	ug/L
|	Se	82	8.855	0.00	0.1591	0.058	36.516	ug/L
⌊	Rb	85	24.000	0.00				mg/L
	Y	89	245622.064	-17442.74				ug/L
	Rh	103	13.333	-3.33				ug/L
⌈	Mo	98	49.087	0.00	-0.0395	0.004	10.125	ug/L
|	Ag	107	82.335	0.00	-0.0109	0.002	22.562	ug/L
|	Cd	114	0.887	-0.00	0.0050	0.004	82.231	ug/L
|>	In	115	358252.109	358252.11				ug/L
|	Sn	118	140.001	0.00	0.0044	0.002	53.464	ug/L
⌊	Sb	123	252.745	0.00	0.0372	0.005	13.377	ug/L
⌈	Ba	135	32.334	-0.00	-0.0012	0.002	198.281	ug/L
|	Ce	140	30.003	0.00				ug/L
|>	Tb	159	426954.173	426954.17				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	57.334	0.00	-0.0037	0.001	19.624	ug/L
|	Tl	205	126.680	0.00	-0.0111	0.001	9.654	ug/L
|	Pb	206	336.342	-0.00	-0.0034	0.003	96.546	ug/L
|	Pb	207	325.009	0.00	0.0129	0.002	14.945	ug/L
|	Pb	208	1404.386	0.00	0.0043	0.001	29.506	ug/L
|	U	238	42.334	0.00	-0.0057	0.000	6.415	ug/L
|>	Bi	209	393605.568	393605.57				ug/L

Sample ID: F BLANK WG360540-01
Report Date/Time: Monday, April 04, 2011 13:34:24
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Approved: April 05, 2011

Na	23	18599.150	0.04	-0.0008	0.000	29.135	mg/L
Mg	24	1090.168	0.01	-0.0027	0.000	0.867	mg/L
K	39	404474.768	-0.01	-0.0072	0.003	44.299	mg/L
Ca	43	296.701	-0.00	-0.0003	0.003	1133.339	mg/L
Fe	54	47439.266	0.00	-0.0039	0.001	22.042	mg/L
Fe	57	7513.574	-0.01	-0.0077	0.002	27.238	mg/L
> Sc-1	45	188784.311	188784.31				mg/L
Cl	35	28327.414	2328.98				mg/L
Kr	83	55.001	-15.33				mg/L
Br	81	9982.986	-345.01				mg/L
P	31	10380.745	719.39				mg/L
S	34	180717.907	27191.27				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.676			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		97.398			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.317			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		102.826			
Na	23					

Sample ID: F BLANK WG360540-01
Report Date/Time: Monday, April 04, 2011 13:34:24

Approved: April 05, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK WG360540-01
Report Date/Time: Monday, April 04, 2011 13:34:24

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: F BLANK WG360592-01

Sample Date/Time: Monday, April 04, 2011 13:39:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19686.075	-0.01				ug/L
|	Be	9	8.000	0.00	0.0452	0.011	24.446	ug/L
|	Al	27	4234.235	0.01	0.3299	0.066	20.136	ug/L
⌊>	Sc	45	192518.946	192518.95				ug/L
⌈	Ti	49	50.005	0.00	0.0312	0.046	147.585	ug/L
|	V	51	3040.656	0.00	-0.0168	0.022	131.125	ug/L
|	Cr	52	10334.442	0.00	-0.0105	0.025	242.768	ug/L
|	Cr	53	863.457	0.00	0.5675	0.055	9.680	ug/L
|	Mn	55	663.362	0.00	-0.0086	0.002	20.094	ug/L
|	Co	59	94.335	-0.00	-0.0285	0.000	1.270	ug/L
|	Ni	60	73.334	-0.00	-0.0510	0.004	7.893	ug/L
|	Cu	65	109.002	0.00	-0.0109	0.003	32.116	ug/L
|	Zn	66	2200.931	0.01	1.4734	0.050	3.392	ug/L
|>	Ge	72	363088.161	363088.16				ug/L
|	As	75	-237.643	-0.00	0.0452	0.029	63.811	ug/L
|	Se	77	92.000	-0.00	-0.0318	0.225	705.058	ug/L
|	Se	82	4.136	0.00	0.1184	0.030	25.595	ug/L
⌊	Rb	85	22.667	0.00				mg/L
	Y	89	246749.049	-16315.75				ug/L
	Rh	103	13.667	-3.00				ug/L
⌈	Mo	98	41.087	0.00	-0.0421	0.004	8.870	ug/L
|	Ag	107	66.001	0.00	-0.0134	0.001	4.730	ug/L
|	Cd	114	1.947	0.00	0.0058	0.002	36.968	ug/L
|>	In	115	357473.780	357473.78				ug/L
|	Sn	118	120.667	-0.00	0.0005	0.001	139.540	ug/L
⌊	Sb	123	200.410	0.00	0.0251	0.004	14.679	ug/L
⌈	Ba	135	28.000	-0.00	-0.0037	0.003	77.475	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	427161.381	427161.38				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	45.667	-0.00	-0.0052	0.000	8.593	ug/L
|	Tl	205	130.014	0.00	-0.0110	0.003	25.571	ug/L
|	Pb	206	339.342	-0.00	-0.0031	0.001	20.076	ug/L
|	Pb	207	336.342	0.00	0.0147	0.002	14.945	ug/L
|	Pb	208	1405.719	0.00	0.0042	0.000	7.129	ug/L
|	U	238	32.000	0.00	-0.0059	0.000	2.834	ug/L
⌊>	Bi	209	394546.480	394546.48				ug/L

Sample ID: F BLANK WG360592-01
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Na	23	18979.916	0.04	-0.0008	0.000	16.115	mg/L	
Mg	24	1313.551	0.01	-0.0026	0.000	0.694	mg/L	
K	39	399084.799	-0.08	-0.0092	0.001	14.975	mg/L	
Ca	43	303.368	-0.00	-0.0003	0.003	1104.924	mg/L	
Fe	54	47674.715	-0.00	-0.0051	0.005	90.358	mg/L	
Fe	57	7580.297	-0.01	-0.0081	0.001	6.938	mg/L	
Sc-1	45	192518.946	192518.95				mg/L	
Cl	35	26269.808	271.38				mg/L	
Kr	83	61.001	-9.33				mg/L	
Br	81	9965.632	-362.37				mg/L	
P	31	11285.723	1624.36				mg/L	
S	34	176597.704	23071.07				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.723			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.186			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		99.365			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		103.072			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK WG360592-01
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Method 6020 - Summary Report

Sample ID: F BLANK WG360653-04

Sample Date/Time: Monday, April 04, 2011 13:46:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20971.978	0.00				ug/L
|	Be	9	5.333	-0.00	0.0369	0.014	36.713	ug/L
|	Al	27	3784.067	0.01	0.2676	0.116	43.257	ug/L
⌊>	Sc	45	188459.448	188459.45				ug/L
⌈	Ti	49	56.673	0.00	0.0427	0.036	83.725	ug/L
|	V	51	3108.391	0.00	-0.0085	0.007	79.974	ug/L
|	Cr	52	10364.473	0.00	-0.0028	0.005	171.046	ug/L
|	Cr	53	636.751	0.00	0.3291	0.041	12.431	ug/L
|	Mn	55	742.702	0.00	-0.0020	0.003	130.520	ug/L
|	Co	59	93.001	-0.00	-0.0286	0.000	0.168	ug/L
|	Ni	60	97.668	-0.00	-0.0390	0.001	3.030	ug/L
|	Cu	65	98.335	0.00	-0.0157	0.004	27.858	ug/L
|	Zn	66	4599.437	0.01	3.3591	0.055	1.626	ug/L
|>	Ge	72	362002.172	362002.17				ug/L
|	As	75	-200.360	0.00	0.0762	0.034	44.091	ug/L
|	Se	77	90.667	-0.00	-0.0437	0.208	476.954	ug/L
|	Se	82	8.467	0.00	0.1549	0.037	23.576	ug/L
⌊	Rb	85	25.000	0.00				mg/L
	Y	89	249512.941	-13551.86				ug/L
	Rh	103	12.667	-4.00				ug/L
⌈	Mo	98	35.799	0.00	-0.0439	0.002	4.848	ug/L
|	Ag	107	63.668	0.00	-0.0138	0.001	4.921	ug/L
|	Cd	114	1.424	-0.00	0.0055	0.002	37.272	ug/L
|>	In	115	359450.464	359450.46				ug/L
|	Sn	118	124.267	0.00	0.0011	0.001	81.406	ug/L
⌊	Sb	123	177.451	0.00	0.0195	0.003	16.807	ug/L
⌈	Ba	135	31.667	-0.00	-0.0018	0.002	82.429	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	432218.563	432218.56				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	50.001	0.00	-0.0046	0.001	18.277	ug/L
|	Tl	205	76.675	0.00	-0.0138	0.002	17.738	ug/L
|	Pb	206	361.010	0.00	0.0009	0.003	312.029	ug/L
|	Pb	207	310.675	0.00	0.0109	0.003	30.567	ug/L
|	Pb	208	1424.054	0.00	0.0054	0.001	27.205	ug/L
|	U	238	31.667	0.00	-0.0059	0.000	0.641	ug/L
⌊>	Bi	209	390824.470	390824.47				ug/L

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Na	23	22079.896	0.06	-0.0002	0.000	27.139	mg/L	
Mg	24	1363.563	0.01	-0.0026	0.000	1.089	mg/L	
K	39	400606.051	-0.03	-0.0078	0.001	11.824	mg/L	
Ca	43	300.035	-0.00	-0.0001	0.001	763.168	mg/L	
Fe	54	45707.631	-0.01	-0.0067	0.002	27.554	mg/L	
Fe	57	7643.699	-0.01	-0.0072	0.003	38.076	mg/L	
Sc-1	45	188459.448	188459.45				mg/L	
Cl	35	25497.138	-501.29				mg/L	
Kr	83	61.334	-9.00				mg/L	
Br	81	9947.613	-380.39				mg/L	
P	31	10137.138	475.78				mg/L	
S	34	173938.543	20411.91				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.434			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.723			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		100.541			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		102.100			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK WG360653-04
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Method 6020 - Summary Report

Sample ID: LCSW 76 WG360653-03

Sample Date/Time: Monday, April 04, 2011 13:53:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21489.771	-0.00				ug/L
|	Be	9	7306.003	0.04	23.1089	1.059	4.583	ug/L
|	Al	27	165848.715	0.83	26.6091	1.558	5.856	ug/L
|>	Sc	45	197109.015	197109.01				ug/L
⌈	Ti	49	70.007	0.00	0.0647	0.018	27.777	ug/L
|	V	51	247529.469	0.67	25.9106	0.414	1.598	ug/L
|	Cr	52	222819.091	0.58	26.7023	0.029	0.107	ug/L
|	Cr	53	25394.751	0.07	26.4605	0.856	3.233	ug/L
|	Mn	55	334169.700	0.91	26.9445	0.190	0.706	ug/L
|	Co	59	257992.524	0.71	26.3678	0.294	1.115	ug/L
|	Ni	60	55074.478	0.15	26.7269	0.225	0.843	ug/L
|	Cu	65	58674.560	0.16	26.9845	0.400	1.481	ug/L
|	Zn	66	32465.606	0.09	24.9713	0.247	0.990	ug/L
|>	Ge	72	365347.117	365347.12				ug/L
|	As	75	26875.983	0.07	22.5895	0.211	0.935	ug/L
|	Se	77	2074.215	0.01	20.8005	0.137	0.658	ug/L
|	Se	82	2379.466	0.01	20.1372	0.583	2.896	ug/L
⌊	Rb	85	43.001	0.00				mg/L
	Y	89	250750.383	-12314.42				ug/L
	Rh	103	24.334	7.67				ug/L
⌈	Mo	98	54.201	0.00	-0.0382	0.002	5.147	ug/L
|	Ag	107	157298.765	0.43	23.4698	0.091	0.386	ug/L
|	Cd	114	33402.842	0.09	24.0546	0.379	1.574	ug/L
|>	In	115	364521.114	364521.11				ug/L
|	Sn	118	159.335	0.00	0.0078	0.002	28.768	ug/L
⌊	Sb	123	105186.344	0.29	23.9298	0.051	0.213	ug/L
⌈	Ba	135	47350.647	0.11	26.2410	0.373	1.422	ug/L
|	Ce	140	80.008	0.00				ug/L
|>	Tb	159	438044.847	438044.85				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	203137.532	0.51	25.8073	0.137	0.529	ug/L
|	Tl	205	506776.897	1.26	26.2500	0.593	2.260	ug/L
|	Pb	206	173573.916	0.43	27.1899	0.294	1.082	ug/L
|	Pb	207	153287.113	0.38	25.3975	0.121	0.476	ug/L
|	Pb	208	704438.804	1.75	26.2944	0.186	0.709	ug/L
|	U	238	1115085.645	2.78	26.2803	0.165	0.630	ug/L
|>	Bi	209	401000.645	401000.64				ug/L

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Na	23	707156.110	3.53	0.1247	0.005	4.265	mg/L	
Mg	24	3951.176	0.02	-0.0019	0.000	1.232	mg/L	
K	39	393986.914	-0.15	-0.0111	0.002	20.462	mg/L	
Ca	43	356.709	0.00	0.0024	0.004	170.419	mg/L	
Fe	54	98349.190	0.25	0.0740	0.005	6.188	mg/L	
Fe	57	8571.204	-0.01	-0.0050	0.002	29.938	mg/L	
Sc-1	45	197109.015	197109.01				mg/L	
Cl	35	30965.912	4967.48				mg/L	
Kr	83	60.001	-10.33				mg/L	
Br	81	11006.721	678.72				mg/L	
P	31	20845.129	11183.77				mg/L	
S	34	178067.554	24540.92				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		97.325			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		99.102			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		101.896			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		104.758			
Na	23					

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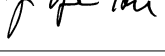

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 76 WG360653-03
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Method 6020 - Summary Report

Sample ID: L1103104602

Sample Date/Time: Monday, April 04, 2011 14:00:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21372.830	0.00				ug/L
|	Be	9	20.000	0.00	0.0838	0.024	28.110	ug/L
|	Al	27	314506.727	1.62	51.7137	3.811	7.369	ug/L
⌊>	Sc	45	193334.439	193334.44				ug/L
⌈	Ti	49	1190.196	0.00	1.9459	0.713	36.646	ug/L
|	V	51	6748.949	0.01	0.3648	0.001	0.287	ug/L
|	Cr	52	11800.077	0.00	0.1459	0.029	20.154	ug/L
|	Cr	53	670.090	0.00	0.3472	0.128	36.784	ug/L
|	Mn	55	19062.011	0.05	1.4571	0.011	0.750	ug/L
|	Co	59	268.340	0.00	-0.0111	0.001	11.549	ug/L
|	Ni	60	386.678	0.00	0.0987	0.019	19.011	ug/L
|	Cu	65	7494.216	0.02	3.3461	0.024	0.726	ug/L
|	Zn	66	4737.169	0.01	3.3831	0.005	0.158	ug/L
| >	Ge	72	370336.278	370336.28				ug/L
|	As	75	169.482	0.00	0.3831	0.037	9.674	ug/L
|	Se	77	94.667	-0.00	-0.0235	0.151	641.124	ug/L
|	Se	82	12.470	0.00	0.1872	0.047	24.929	ug/L
⌊	Rb	85	1898.199	0.01				mg/L
	Y	89	249253.500	-13811.30				ug/L
	Rh	103	10.667	-6.00				ug/L
⌈	Mo	98	498.109	0.00	0.1032	0.007	6.937	ug/L
|	Ag	107	101.002	0.00	-0.0083	0.002	20.724	ug/L
|	Cd	114	10.907	0.00	0.0123	0.004	33.774	ug/L
| >	In	115	363789.162	363789.16				ug/L
|	Sn	118	205.869	0.00	0.0172	0.002	9.914	ug/L
⌊	Sb	123	386.291	0.00	0.0667	0.008	11.694	ug/L
⌈	Ba	135	2505.339	0.01	1.3836	0.032	2.341	ug/L
|	Ce	140	1783.687	0.00				ug/L
⌊>	Tb	159	433660.646	433660.65				ug/L
⌈	Ho	165	53.339	0.00				ug/L
|	Tl	203	59.667	0.00	-0.0036	0.001	23.853	ug/L
|	Tl	205	120.013	0.00	-0.0116	0.001	12.339	ug/L
|	Pb	206	5907.138	0.01	0.8687	0.021	2.453	ug/L
|	Pb	207	5075.338	0.01	0.7991	0.011	1.340	ug/L
|	Pb	208	23774.784	0.06	0.8385	0.006	0.697	ug/L
|	U	238	869.380	0.00	0.0137	0.001	4.268	ug/L
⌊>	Bi	209	401587.083	401587.08				ug/L

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Na	23	6865520.627	35.46	1.2722	0.015	1.179	mg/L
Mg	24	976871.917	5.05	0.2650	0.002	0.727	mg/L
K	39	3770113.350	17.34	0.4548	0.007	1.543	mg/L
Ca	43	45953.317	0.24	2.6521	0.095	3.571	mg/L
Fe	54	77929.889	0.15	0.0438	0.003	7.818	mg/L
Fe	57	17764.212	0.04	0.0312	0.002	6.445	mg/L
> Sc-1	45	193334.439	193334.44				mg/L
Cl	35	28573.435	2575.01				mg/L
Kr	83	61.001	-9.33				mg/L
Br	81	11698.172	1370.17				mg/L
P	31	25952.994	16291.63				mg/L
S	34	241101.356	87574.72				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.654			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		98.903			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		100.877			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		104.912			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104602
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Method 6020 - Summary Report

Sample ID: L1103104702

Sample Date/Time: Monday, April 04, 2011 14:07:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22625.624	0.01				ug/L
|	Be	9	14.667	0.00	0.0671	0.030	44.916	ug/L
|	Al	27	21372.911	0.10	3.1826	0.347	10.913	ug/L
⌊>	Sc	45	192689.310	192689.31				ug/L
⌈	Ti	49	313.370	0.00	0.4803	0.131	27.321	ug/L
|	V	51	10324.803	0.02	0.7546	0.008	1.084	ug/L
|	Cr	52	12832.691	0.01	0.2970	0.013	4.300	ug/L
|	Cr	53	713.431	0.00	0.4041	0.165	40.826	ug/L
|	Mn	55	2846.100	0.01	0.1676	0.006	3.415	ug/L
|	Co	59	452.015	0.00	0.0081	0.002	19.227	ug/L
|	Ni	60	1177.414	0.00	0.4868	0.017	3.534	ug/L
|	Cu	65	31549.010	0.09	14.4931	0.224	1.544	ug/L
|	Zn	66	3624.360	0.01	2.5707	0.015	0.596	ug/L
|>	Ge	72	365025.366	365025.37				ug/L
|	As	75	233.005	0.00	0.4378	0.026	5.941	ug/L
|	Se	77	94.000	-0.00	-0.0160	0.112	697.524	ug/L
|	Se	82	22.099	0.00	0.2696	0.024	9.068	ug/L
⌊	Rb	85	1289.096	0.00				mg/L
	Y	89	243885.743	-19179.06				ug/L
	Rh	103	21.334	4.67				ug/L
⌈	Mo	98	4209.385	0.01	1.3015	0.036	2.800	ug/L
|	Ag	107	96.335	0.00	-0.0088	0.001	10.799	ug/L
|	Cd	114	8.038	0.00	0.0103	0.004	43.100	ug/L
|>	In	115	359255.340	359255.34				ug/L
|	Sn	118	222.802	0.00	0.0212	0.003	15.334	ug/L
⌊	Sb	123	642.519	0.00	0.1270	0.006	5.011	ug/L
⌈	Ba	135	22208.859	0.05	12.4947	0.130	1.038	ug/L
|	Ce	140	126.680	0.00				ug/L
⌊>	Tb	159	431088.435	431088.44				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	49.334	0.00	-0.0049	0.001	23.191	ug/L
|	Tl	205	103.344	0.00	-0.0125	0.002	13.423	ug/L
|	Pb	206	581.356	0.00	0.0331	0.003	9.303	ug/L
|	Pb	207	516.685	0.00	0.0428	0.006	14.730	ug/L
|	Pb	208	2365.468	0.00	0.0383	0.004	10.683	ug/L
|	U	238	4592.100	0.01	0.1004	0.001	1.459	ug/L
⌊>	Bi	209	405486.386	405486.39				ug/L

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⌈	Na	23	11188108.857	58.05	2.0842	0.098	4.683	mg/L
|	Mg	24	282356.609	1.47	0.0748	0.003	3.968	mg/L
|	K	39	2804586.104	12.40	0.3233	0.010	3.110	mg/L
|	Ca	43	202803.118	1.05	11.8068	0.358	3.035	mg/L
|	Fe	54	56142.647	0.04	0.0087	0.003	38.848	mg/L
|	Fe	57	16381.749	0.04	0.0261	0.004	17.157	mg/L
⌊>	Sc-1	45	192689.310	192689.31				mg/L
	Cl	35	40450.313	14451.88				mg/L
	Kr	83	65.334	-5.00				mg/L
	Br	81	12973.744	2645.74				mg/L
	P	31	14666.081	5004.72				mg/L
	S	34	494237.197	340710.56				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.239			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.670			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.278			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		105.930			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702PS WG360676-01

Sample Date/Time: Monday, April 04, 2011 14:14:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22258.105	0.01				ug/L
|	Be	9	16015.483	0.09	53.0676	2.071	3.903	ug/L
|	Al	27	311650.639	1.65	52.7173	0.072	0.137	ug/L
⌊>	Sc	45	188035.616	188035.62				ug/L
⌈	Ti	49	336.706	0.00	0.5378	0.094	17.532	ug/L
|	V	51	466942.015	1.31	50.7743	0.903	1.778	ug/L
|	Cr	52	410722.973	1.13	51.9979	0.694	1.335	ug/L
|	Cr	53	47902.574	0.13	51.8417	0.200	0.386	ug/L
|	Mn	55	635829.868	1.80	52.9765	0.280	0.529	ug/L
|	Co	59	499742.372	1.41	52.7582	0.838	1.589	ug/L
|	Ni	60	107626.155	0.30	54.0034	0.713	1.320	ug/L
|	Cu	65	146571.157	0.41	69.6731	0.696	0.999	ug/L
|	Zn	66	68315.582	0.19	54.5274	0.828	1.519	ug/L
|>	Ge	72	353951.840	353951.84				ug/L
|	As	75	57719.078	0.16	49.7801	0.188	0.378	ug/L
|	Se	77	4592.388	0.01	48.8290	0.908	1.859	ug/L
|	Se	82	5413.388	0.02	47.1775	0.340	0.720	ug/L
⌊	Rb	85	1274.427	0.00				mg/L
	Y	89	233006.375	-30058.43				ug/L
	Rh	103	53.334	36.67				ug/L
⌈	Mo	98	4201.349	0.01	1.3481	0.016	1.155	ug/L
|	Ag	107	327770.686	0.95	51.4561	0.114	0.221	ug/L
|	Cd	114	68209.948	0.20	51.6476	0.681	1.318	ug/L
|>	In	115	346641.546	346641.55				ug/L
|	Sn	118	197.602	0.00	0.0175	0.002	8.621	ug/L
⌊	Sb	123	213040.270	0.61	50.9921	0.314	0.616	ug/L
⌈	Ba	135	109440.696	0.26	63.4907	0.449	0.707	ug/L
|	Ce	140	136.681	0.00				ug/L
⌊>	Tb	159	418600.626	418600.63				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	404066.388	1.01	51.6462	0.797	1.542	ug/L
|	Tl	205	992797.357	2.49	51.7482	1.415	2.734	ug/L
|	Pb	206	341651.379	0.86	53.8898	0.982	1.823	ug/L
|	Pb	207	303128.129	0.76	50.5606	0.523	1.034	ug/L
|	Pb	208	1384795.996	3.47	52.0431	0.760	1.461	ug/L
|	U	238	2251844.285	5.65	53.3892	0.473	0.885	ug/L
⌊>	Bi	209	398680.663	398680.66				ug/L

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⌈	Na	23	11404478.569	60.60	2.1759	0.008	0.356	mg/L
|	Mg	24	282365.541	1.50	0.0767	0.002	3.026	mg/L
|	K	39	2820784.752	12.85	0.3352	0.013	3.890	mg/L
|	Ca	43	209424.753	1.11	12.5016	0.570	4.558	mg/L
|	Fe	54	58713.579	0.06	0.0153	0.003	18.942	mg/L
|	Fe	57	16014.415	0.04	0.0262	0.001	3.331	mg/L
⌊>	Sc-1	45	188035.616	188035.62				mg/L
	Cl	35	40418.189	14419.76				mg/L
	Kr	83	57.001	-13.33				mg/L
	Br	81	12395.679	2067.68				mg/L
	P	31	16910.363	7249.00				mg/L
	S	34	487235.496	333708.86				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.289			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.241			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.373			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		104.152			
⌈	Na	23					

Sample ID: L1103104702PS WG360676-01
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702SDL WG360676-02

Sample Date/Time: Monday, April 04, 2011 14:21:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21606.686	0.00				ug/L
|	Be	9	10.667	0.00	0.0538	0.020	36.469	ug/L
|	Al	27	5885.088	0.02	0.6117	0.117	19.046	ug/L
⌊>	Sc	45	190821.439	190821.44				ug/L
⌈	Ti	49	136.681	0.00	0.1814	0.076	41.893	ug/L
|	V	51	4371.225	0.00	0.1292	0.019	14.620	ug/L
|	Cr	52	10558.010	0.00	0.0294	0.032	109.440	ug/L
|	Cr	53	483.393	0.00	0.1683	0.031	18.565	ug/L
|	Mn	55	918.051	0.00	0.0127	0.003	24.880	ug/L
|	Co	59	182.670	0.00	-0.0192	0.001	3.119	ug/L
|	Ni	60	251.672	0.00	0.0374	0.006	15.665	ug/L
|	Cu	65	6371.426	0.02	2.9190	0.013	0.461	ug/L
|	Zn	66	3609.021	0.01	2.5979	0.066	2.535	ug/L
|>	Ge	72	359992.041	359992.04				ug/L
|	As	75	-91.951	0.00	0.1665	0.023	13.934	ug/L
|	Se	77	86.667	-0.00	-0.0811	0.244	300.599	ug/L
|	Se	82	7.484	0.00	0.1476	0.101	68.671	ug/L
⌊	Rb	85	270.340	0.00				mg/L
	Y	89	238129.225	-24935.58				ug/L
	Rh	103	10.333	-6.33				ug/L
⌈	Mo	98	837.541	0.00	0.2229	0.001	0.617	ug/L
|	Ag	107	75.668	0.00	-0.0116	0.004	33.668	ug/L
|	Cd	114	7.915	0.00	0.0104	0.002	18.968	ug/L
|>	In	115	348411.711	348411.71				ug/L
|	Sn	118	106.401	-0.00	-0.0019	0.001	36.612	ug/L
⌊	Sb	123	649.310	0.00	0.1333	0.010	7.553	ug/L
⌈	Ba	135	4353.991	0.01	2.4939	0.010	0.413	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	420787.959	420787.96				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	61.001	0.00	-0.0035	0.002	43.213	ug/L
|	Tl	205	156.684	0.00	-0.0098	0.000	3.638	ug/L
|	Pb	206	403.346	0.00	0.0051	0.002	41.497	ug/L
|	Pb	207	355.010	0.00	0.0160	0.001	3.250	ug/L
|	Pb	208	1618.734	0.00	0.0104	0.001	13.152	ug/L
|	U	238	1153.745	0.00	0.0201	0.002	8.636	ug/L
⌊>	Bi	209	407207.949	407207.95				ug/L

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⌈	Na	23	2278861.639	11.89	0.4250	0.004	0.831	mg/L
|	Mg	24	57483.841	0.30	0.0130	0.000	2.442	mg/L
|	K	39	958178.217	2.87	0.0694	0.004	5.102	mg/L
|	Ca	43	42045.785	0.22	2.4573	0.044	1.775	mg/L
|	Fe	54	47346.643	-0.00	-0.0049	0.003	62.850	mg/L
|	Fe	57	9208.494	-0.00	-0.0014	0.002	141.636	mg/L
⌊>	Sc-1	45	190821.439	190821.44				mg/L
	Cl	35	24988.524	-1009.91				mg/L
	Kr	83	59.334	-11.00				mg/L
	Br	81	9830.163	-497.84				mg/L
	P	31	10129.129	467.77				mg/L
	S	34	240566.062	87039.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.898			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.722			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.882			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		106.380			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104702SDL WG360676-02
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 14:29:03
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.829	0.01				ug/L
|	Be	9	15624.866	0.09	54.4711	0.551	1.011	ug/L
|	Al	27	291230.646	1.62	51.8677	1.244	2.398	ug/L
⌊>	Sc	45	178614.872	178614.87				ug/L
⌈	Ti	49	54604.168	0.16	97.6307	2.338	2.395	ug/L
|	V	51	443541.745	1.27	48.9889	0.501	1.023	ug/L
|	Cr	52	385151.181	1.08	49.4782	0.516	1.043	ug/L
|	Cr	53	44128.233	0.13	48.5053	0.988	2.038	ug/L
|	Mn	55	591685.070	1.70	50.0880	0.348	0.695	ug/L
|	Co	59	469585.277	1.35	50.3664	0.243	0.483	ug/L
|	Ni	60	98592.645	0.28	50.2591	0.726	1.445	ug/L
|	Cu	65	106167.344	0.30	51.2610	0.539	1.052	ug/L
|	Zn	66	65816.539	0.19	53.3693	0.468	0.876	ug/L
| >	Ge	72	348357.345	348357.35				ug/L
|	As	75	55200.910	0.16	48.3798	0.265	0.548	ug/L
|	Se	77	4557.705	0.01	49.2490	1.230	2.498	ug/L
|	Se	82	5429.945	0.02	48.0797	0.896	1.863	ug/L
⌊	Rb	85	2220.935	0.01				mg/L
	Y	89	230956.137	-32108.66				ug/L
	Rh	103	37.334	20.67				ug/L
⌈	Mo	98	285799.407	0.83	96.5769	0.775	0.803	ug/L
|	Ag	107	313535.206	0.92	49.8176	0.279	0.560	ug/L
|	Cd	114	65754.038	0.19	50.3917	0.401	0.797	ug/L
| >	In	115	342486.357	342486.36				ug/L
|	Sn	118	236643.032	0.69	50.5165	0.096	0.190	ug/L
⌊	Sb	123	206021.235	0.60	49.9092	0.347	0.696	ug/L
⌈	Ba	135	84413.294	0.20	49.3070	0.081	0.165	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	415704.727	415704.73				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	376203.595	0.96	48.7475	0.496	1.017	ug/L
|	Tl	205	937683.269	2.38	49.5448	0.395	0.797	ug/L
|	Pb	206	308009.952	0.78	49.2486	0.459	0.932	ug/L
|	Pb	207	292159.805	0.74	49.4004	0.488	0.989	ug/L
|	Pb	208	1300384.211	3.30	49.5414	0.377	0.761	ug/L
|	U	238	2189994.219	5.57	52.6419	0.717	1.362	ug/L
⌊>	Bi	209	393244.734	393244.73				ug/L

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Na	23	25798767.771	144.41	5.1886	0.107	2.066	mg/L
Mg	24	17099365.695	95.75	5.0763	0.068	1.335	mg/L
K	39	33416835.056	185.01	4.9191	0.143	2.901	mg/L
Ca	43	81885.414	0.46	5.1333	0.162	3.154	mg/L
Fe	54	2820772.794	15.55	4.8805	0.112	2.292	mg/L
Fe	57	1192173.253	6.63	4.9663	0.121	2.428	mg/L
Sc-1	45	178614.872	178614.87				mg/L
Cl	35	19929.842	-6068.59				mg/L
Kr	83	71.668	1.33				mg/L
Br	81	9014.728	-1313.27				mg/L
P	31	9503.883	-157.48				mg/L
S	34	178302.213	24775.58				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	97.978				
Cr	52	98.956				
Cr	53					
Mn	55	100.176				
Co	59	100.733				
Ni	60	100.518				
Cu	65	102.522				
Zn	66	106.739				
Ge	72		92.799			
As	75	96.760				
Se	77					
Se	82	96.159				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.635				
Cd	114	100.783				
In	115		93.111			
Sn	118					
Sb	123	99.818				
Ba	135	98.614				
Ce	140					
Tb	159		96.700			
Ho	165					
Tl	203	97.495				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.083				
U	238	105.284				
Bi	209		102.732			
Na	23					

Sample ID: QC Std 6
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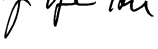

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 14:31:16

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 14:36:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21072.190	0.00				ug/L
|	Be	9	10.000	0.00	0.0521	0.006	10.719	ug/L
|	Al	27	1683.480	-0.00	-0.0888	0.071	79.439	ug/L
⌊>	Sc	45	189242.285	189242.29				ug/L
⌈	Ti	49	60.006	0.00	0.0503	0.017	33.383	ug/L
|	V	51	2840.909	-0.00	-0.0318	0.004	12.990	ug/L
|	Cr	52	9472.245	-0.00	-0.0947	0.008	8.699	ug/L
|	Cr	53	503.396	0.00	0.1962	0.057	29.007	ug/L
|	Mn	55	308.008	-0.00	-0.0370	0.002	4.463	ug/L
|	Co	59	87.335	-0.00	-0.0290	0.001	2.053	ug/L
|	Ni	60	56.667	-0.00	-0.0586	0.004	6.352	ug/L
|	Cu	65	90.668	0.00	-0.0185	0.001	3.570	ug/L
|	Zn	66	191.337	0.00	-0.0942	0.013	14.146	ug/L
|>	Ge	72	355713.461	355713.46				ug/L
|	As	75	-219.777	-0.00	0.0565	0.046	81.924	ug/L
|	Se	77	94.000	-0.00	0.0097	0.055	572.226	ug/L
|	Se	82	-11.931	-0.00	-0.0197	0.080	406.428	ug/L
⌊	Rb	85	15.333	-0.00				mg/L
	Y	89	242008.013	-21056.79				ug/L
	Rh	103	12.333	-4.33				ug/L
⌈	Mo	98	305.985	0.00	0.0450	0.011	23.793	ug/L
|	Ag	107	70.668	0.00	-0.0125	0.003	25.013	ug/L
|	Cd	114	6.966	0.00	0.0096	0.005	50.201	ug/L
|>	In	115	352677.712	352677.71				ug/L
|	Sn	118	304.805	0.00	0.0390	0.003	8.763	ug/L
⌊	Sb	123	180.700	0.00	0.0211	0.002	11.350	ug/L
⌈	Ba	135	28.667	-0.00	-0.0031	0.002	68.723	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	421622.310	421622.31				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	60.667	0.00	-0.0035	0.000	14.356	ug/L
|	Tl	205	166.685	0.00	-0.0092	0.001	11.199	ug/L
|	Pb	206	324.675	-0.00	-0.0064	0.001	14.670	ug/L
|	Pb	207	299.341	-0.00	0.0074	0.002	26.197	ug/L
|	Pb	208	1353.383	-0.00	0.0012	0.000	26.631	ug/L
|	U	238	236.005	0.00	-0.0012	0.001	89.522	ug/L
⌊>	Bi	209	402617.928	402617.93				ug/L

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 14:38:20
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Na	23	12272.102	0.01	-0.0020	0.000	9.567	mg/L	
Mg	24	1213.536	0.01	-0.0027	0.000	5.267	mg/L	
K	39	387462.595	-0.11	-0.0098	0.003	28.780	mg/L	
Ca	43	276.698	-0.00	-0.0015	0.003	187.677	mg/L	
Fe	54	45186.928	-0.01	-0.0078	0.004	46.023	mg/L	
Fe	57	7440.178	-0.01	-0.0081	0.002	20.689	mg/L	
Sc-1	45	189242.285	189242.29				mg/L	
Cl	35	19251.862	-6746.57				mg/L	
Kr	83	68.668	-1.67				mg/L	
Br	81	9533.211	-794.79				mg/L	
P	31	10621.042	959.68				mg/L	
S	34	175365.615	21838.98				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		94.759			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		95.882			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		98.076			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		105.181			
Na	23					

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 14:38:20

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 14:38:20

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104102 WG360653-01

Sample Date/Time: Monday, April 04, 2011 14:43:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22057.644	-0.00				ug/L
|	Be	9	12.667	0.00	0.0583	0.018	30.851	ug/L
|	Al	27	892954.635	4.39	140.4902	0.652	0.464	ug/L
|>	Sc	45	203057.951	203057.95				ug/L
⌈	Ti	49	1970.392	0.01	3.4563	0.252	7.284	ug/L
|	V	51	7259.195	0.01	0.4630	0.023	4.989	ug/L
|	Cr	52	14637.184	0.01	0.6046	0.007	1.114	ug/L
|	Cr	53	1303.549	0.00	1.0877	0.087	8.030	ug/L
|	Mn	55	912355.536	2.61	76.9596	0.332	0.431	ug/L
|	Co	59	1252.091	0.00	0.0957	0.002	2.386	ug/L
|	Ni	60	1849.190	0.00	0.8536	0.036	4.168	ug/L
|	Cu	65	528.686	0.00	0.1932	0.003	1.308	ug/L
|	Zn	66	2108.577	0.01	1.4642	0.057	3.873	ug/L
|>	Ge	72	349737.541	349737.54				ug/L
|	As	75	-140.732	0.00	0.1217	0.026	21.335	ug/L
|	Se	77	126.667	0.00	0.3858	0.162	41.879	ug/L
|	Se	82	22.113	0.00	0.2780	0.049	17.514	ug/L
⌊	Rb	85	4162.908	0.01				mg/L
	Y	89	234344.271	-28720.53				ug/L
	Rh	103	45.334	28.67				ug/L
⌈	Mo	98	376.399	0.00	0.0699	0.006	8.733	ug/L
|	Ag	107	59.334	0.00	-0.0141	0.001	5.404	ug/L
|	Cd	114	10.582	0.00	0.0124	0.007	52.893	ug/L
|>	In	115	347808.246	347808.25				ug/L
|	Sn	118	247.336	0.00	0.0278	0.003	9.343	ug/L
⌊	Sb	123	232.534	0.00	0.0341	0.006	17.718	ug/L
⌈	Ba	135	8101.362	0.02	4.6107	0.057	1.246	ug/L
|	Ce	140	13089.879	0.03				ug/L
|>	Tb	159	425003.412	425003.41				ug/L
⌈	Ho	165	166.685	0.00				ug/L
|	Tl	203	58.334	0.00	-0.0035	0.000	0.647	ug/L
|	Tl	205	130.014	0.00	-0.0109	0.001	12.622	ug/L
|	Pb	206	763.037	0.00	0.0658	0.005	7.200	ug/L
|	Pb	207	661.028	0.00	0.0706	0.001	2.072	ug/L
|	Pb	208	3116.892	0.00	0.0705	0.001	1.903	ug/L
|	U	238	5693.010	0.01	0.1311	0.002	1.290	ug/L
|>	Bi	209	390523.919	390523.92				ug/L

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⌈	Na	23	147501206.590	726.32	26.1058	0.141	0.540	mg/L
|	Mg	24	29650548.096	146.05	7.7447	0.155	1.996	mg/L
|	K	39	3776700.150	16.45	0.4309	0.010	2.375	mg/L
|	Ca	43	317007.610	1.56	17.5189	0.244	1.395	mg/L
|	Fe	54	397884.068	1.71	0.5328	0.006	1.192	mg/L
|	Fe	57	143202.285	0.66	0.4910	0.010	1.981	mg/L
⌊>	Sc-1	45	203057.951	203057.95				mg/L
	Cl	35	744813.801	718815.37				mg/L
	Kr	83	63.668	-6.67				mg/L
	Br	81	24907.677	14579.68				mg/L
	P	31	28972.606	19311.25				mg/L
	S	34	313930.599	160403.96				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.167			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.558			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.863			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.021			
⌈	Na	23					

Sample ID: L1103104102 WG360653-01
Report Date/Time: Monday, April 04, 2011 14:45:28
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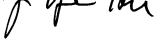

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104102 WG360653-01
Report Date/Time: Monday, April 04, 2011 14:45:28
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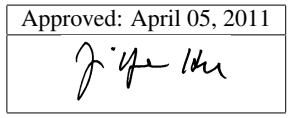

Method 6020 - Summary Report

Sample ID: L1103104102S WG360653-05

Sample Date/Time: Monday, April 04, 2011 14:50:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23945.336	0.01				ug/L
|	Be	9	7753.004	0.04	24.0578	0.955	3.968	ug/L
|	Al	27	383765.104	1.90	60.8095	1.061	1.745	ug/L
⌊>	Sc	45	200985.823	200985.82				ug/L
⌈	Ti	49	1296.884	0.00	2.2690	0.575	25.321	ug/L
|	V	51	235748.811	0.67	25.9369	0.093	0.359	ug/L
|	Cr	52	211703.030	0.58	26.6650	0.226	0.847	ug/L
|	Cr	53	24465.671	0.07	26.7946	0.204	0.761	ug/L
|	Mn	55	1173336.373	3.37	99.6065	0.756	0.759	ug/L
|	Co	59	249038.358	0.72	26.7528	0.154	0.576	ug/L
|	Ni	60	53316.624	0.15	27.1982	0.105	0.387	ug/L
|	Cu	65	55708.309	0.16	26.9281	0.308	1.144	ug/L
|	Zn	66	32857.221	0.09	26.5786	0.157	0.590	ug/L
|>	Ge	72	347580.222	347580.22				ug/L
|	As	75	26363.562	0.08	23.2847	0.169	0.725	ug/L
|	Se	77	2053.544	0.01	21.6850	0.973	4.488	ug/L
|	Se	82	2349.812	0.01	20.9003	0.280	1.340	ug/L
⌊	Rb	85	3375.270	0.01				mg/L
	Y	89	231655.726	-31409.07				ug/L
	Rh	103	66.334	49.67				ug/L
⌈	Mo	98	305.724	0.00	0.0465	0.008	16.627	ug/L
|	Ag	107	143943.707	0.41	22.5346	0.172	0.764	ug/L
|	Cd	114	31690.975	0.09	23.9446	0.191	0.796	ug/L
|>	In	115	347404.690	347404.69				ug/L
|	Sn	118	211.869	0.00	0.0204	0.000	0.517	ug/L
⌊	Sb	123	100743.698	0.29	24.0487	0.213	0.885	ug/L
⌈	Ba	135	51327.905	0.12	29.3155	0.103	0.352	ug/L
|	Ce	140	3884.477	0.01				ug/L
⌊>	Tb	159	425033.354	425033.35				ug/L
⌈	Ho	165	90.009	0.00				ug/L
|	Tl	203	200506.413	0.52	26.2808	0.268	1.018	ug/L
|	Tl	205	508884.163	1.31	27.1911	0.137	0.505	ug/L
|	Pb	206	171090.270	0.44	27.6529	0.345	1.249	ug/L
|	Pb	207	150544.322	0.39	25.7346	0.267	1.038	ug/L
|	Pb	208	696764.492	1.79	26.8347	0.303	1.130	ug/L
|	U	238	1184562.709	3.05	28.8069	0.485	1.683	ug/L
⌊>	Bi	209	388714.093	388714.09				ug/L

Sample ID: L1103104102S WG360653-05
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Na	23	136259713.243	678.96	24.4037	1.292	5.294	mg/L	
Mg	24	27358139.726	136.28	7.2261	0.280	3.874	mg/L	
K	39	3611883.785	15.83	0.4146	0.017	3.993	mg/L	
Ca	43	300481.575	1.49	16.7828	0.535	3.185	mg/L	
Fe	54	181738.638	0.66	0.2017	0.014	7.123	mg/L	
Fe	57	54570.660	0.22	0.1660	0.005	3.297	mg/L	
Sc-1	45	200985.823	200985.82				mg/L	
Cl	35	677942.059	651943.63				mg/L	
Kr	83	57.667	-12.67				mg/L	
Br	81	25874.791	15546.79				mg/L	
P	31	21793.073	12131.71				mg/L	
S	34	303966.439	150439.80				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		92.592			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		94.448			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		98.870			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		101.549			
Na	23					

Sample ID: L1103104102S WG360653-05
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104102SD WG360653-06

Sample Date/Time: Monday, April 04, 2011 14:57:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22809.353	0.01				ug/L
|	Be	9	7739.663	0.04	24.2647	1.163	4.795	ug/L
|	Al	27	350841.707	1.75	56.0523	5.379	9.597	ug/L
⌊>	Sc	45	198824.976	198824.98				ug/L
⌈	Ti	49	1176.854	0.00	2.0404	0.113	5.518	ug/L
|	V	51	234753.158	0.66	25.6408	0.315	1.230	ug/L
|	Cr	52	208880.490	0.57	26.0970	0.259	0.992	ug/L
|	Cr	53	24301.954	0.07	26.4208	1.055	3.994	ug/L
|	Mn	55	1159871.411	3.31	97.7687	1.806	1.847	ug/L
|	Co	59	246225.874	0.70	26.2631	0.389	1.481	ug/L
|	Ni	60	53012.009	0.15	26.8500	0.137	0.511	ug/L
|	Cu	65	54316.336	0.15	26.0679	0.390	1.496	ug/L
|	Zn	66	31877.381	0.09	25.5947	0.269	1.049	ug/L
| >	Ge	72	350060.184	350060.18				ug/L
|	As	75	26012.581	0.07	22.8172	0.044	0.192	ug/L
|	Se	77	2028.873	0.01	21.2526	1.089	5.126	ug/L
|	Se	82	2342.807	0.01	20.6913	0.456	2.203	ug/L
⌊	Rb	85	3155.196	0.01				mg/L
	Y	89	230100.300	-32964.50				ug/L
	Rh	103	59.334	42.67				ug/L
⌈	Mo	98	293.062	0.00	0.0418	0.004	9.846	ug/L
|	Ag	107	141080.970	0.40	21.9917	0.076	0.344	ug/L
|	Cd	114	31191.337	0.09	23.4673	0.297	1.265	ug/L
| >	In	115	348889.097	348889.10				ug/L
|	Sn	118	160.001	0.00	0.0094	0.000	0.943	ug/L
⌊	Sb	123	99331.618	0.28	23.6102	0.184	0.779	ug/L
⌈	Ba	135	50610.253	0.12	28.6825	0.251	0.875	ug/L
|	Ce	140	3661.037	0.01				ug/L
⌊>	Tb	159	428354.785	428354.79				ug/L
⌈	Ho	165	116.679	0.00				ug/L
|	Tl	203	201127.606	0.51	25.7658	0.214	0.832	ug/L
|	Tl	205	493915.592	1.24	25.7957	0.440	1.706	ug/L
|	Pb	206	168691.363	0.42	26.6445	0.050	0.187	ug/L
|	Pb	207	149589.043	0.38	24.9921	0.189	0.758	ug/L
|	Pb	208	692842.992	1.74	26.0782	0.190	0.727	ug/L
|	U	238	1172506.238	2.95	27.8641	0.329	1.182	ug/L
⌊>	Bi	209	397678.219	397678.22				ug/L

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⌈	Na	23	135250174.047	680.44	24.4567	0.434	1.776	mg/L
|	Mg	24	27094660.706	136.29	7.2266	0.076	1.051	mg/L
|	K	39	3452605.212	15.22	0.3982	0.013	3.276	mg/L
|	Ca	43	298441.765	1.50	16.8461	0.343	2.035	mg/L
|	Fe	54	174810.372	0.63	0.1935	0.009	4.500	mg/L
|	Fe	57	51785.829	0.21	0.1577	0.012	7.589	mg/L
⌊>	Sc-1	45	198824.976	198824.98				mg/L
	Cl	35	667242.000	641243.57				mg/L
	Kr	83	58.001	-12.33				mg/L
	Br	81	26289.189	15961.19				mg/L
	P	31	22796.784	13135.42				mg/L
	S	34	302318.872	148792.23				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.253			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.852			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.642			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.890			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104102SD WG360653-06
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Method 6020 - Summary Report

Sample ID: L1103104602

Sample Date/Time: Monday, April 04, 2011 15:05:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24630.348	0.02				ug/L
|	Be	9	16.667	0.00	0.0726	0.014	18.804	ug/L
|	Al	27	1640710.640	8.41	269.3714	5.231	1.942	ug/L
⌊>	Sc	45	194846.685	194846.68				ug/L
⌈	Ti	49	5632.178	0.02	10.0338	1.718	17.119	ug/L
|	V	51	20642.977	0.05	1.9568	0.013	0.649	ug/L
|	Cr	52	16728.485	0.02	0.8903	0.054	6.035	ug/L
|	Cr	53	1236.868	0.00	1.0208	0.209	20.507	ug/L
|	Mn	55	93904.111	0.27	7.9040	0.053	0.668	ug/L
|	Co	59	940.054	0.00	0.0628	0.005	8.101	ug/L
|	Ni	60	1683.492	0.00	0.7734	0.013	1.736	ug/L
|	Cu	65	37215.494	0.11	17.9456	0.175	0.977	ug/L
|	Zn	66	10431.876	0.03	8.2591	0.076	0.923	ug/L
|>	Ge	72	348031.165	348031.17				ug/L
|	As	75	1380.418	0.00	1.4490	0.080	5.541	ug/L
|	Se	77	98.667	-0.00	0.0836	0.023	27.063	ug/L
|	Se	82	43.180	0.00	0.4653	0.064	13.699	ug/L
⌊	Rb	85	8756.253	0.03				mg/L
	Y	89	230077.103	-32987.70				ug/L
	Rh	103	39.667	23.00				ug/L
⌈	Mo	98	2311.674	0.01	0.7148	0.004	0.567	ug/L
|	Ag	107	172.670	0.00	0.0036	0.002	55.471	ug/L
|	Cd	114	23.922	0.00	0.0225	0.011	50.915	ug/L
|>	In	115	347566.229	347566.23				ug/L
|	Sn	118	683.224	0.00	0.1197	0.021	17.380	ug/L
⌊	Sb	123	1440.020	0.00	0.3225	0.013	3.956	ug/L
⌈	Ba	135	12339.732	0.03	6.9881	0.113	1.618	ug/L
|	Ce	140	9455.628	0.02				ug/L
⌊>	Tb	159	427804.294	427804.29				ug/L
⌈	Ho	165	110.012	0.00				ug/L
|	Tl	203	96.335	0.00	0.0010	0.002	221.259	ug/L
|	Tl	205	226.692	0.00	-0.0062	0.003	41.919	ug/L
|	Pb	206	29645.514	0.07	4.5484	0.100	2.207	ug/L
|	Pb	207	25983.646	0.06	4.2255	0.075	1.776	ug/L
|	Pb	208	120081.178	0.29	4.3949	0.058	1.319	ug/L
|	U	238	4619.113	0.01	0.1010	0.001	0.866	ug/L
⌊>	Bi	209	405220.087	405220.09				ug/L

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Na	23	34451960.878	176.77	6.3519	0.230	3.614	mg/L
Mg	24	4658149.680	23.91	1.2652	0.006	0.453	mg/L
K	39	17486733.291	87.59	2.3252	0.018	0.759	mg/L
Ca	43	227679.396	1.17	13.1055	0.229	1.751	mg/L
Fe	54	199090.512	0.77	0.2382	0.011	4.460	mg/L
Fe	57	58459.648	0.25	0.1872	0.005	2.797	mg/L
Sc-1	45	194846.685	194846.68				mg/L
Cl	35	45476.509	19478.08				mg/L
Kr	83	56.001	-14.33				mg/L
Br	81	18189.869	7861.87				mg/L
P	31	81954.473	72293.11				mg/L
S	34	472089.321	318562.68				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		92.712			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		94.492			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		99.514			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		105.861			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104602
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702

Sample Date/Time: Monday, April 04, 2011 15:12:38
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22926.279	0.02				ug/L
|	Be	9	14.667	0.00	0.0707	0.026	36.151	ug/L
|	Al	27	51214.485	0.28	9.0112	0.831	9.225	ug/L
⌊>	Sc	45	175225.741	175225.74				ug/L
⌈	Ti	49	1423.583	0.00	2.7889	0.798	28.603	ug/L
|	V	51	33488.709	0.10	3.8333	0.035	0.901	ug/L
|	Cr	52	17903.195	0.03	1.3282	0.023	1.723	ug/L
|	Cr	53	1346.892	0.00	1.3205	0.082	6.207	ug/L
|	Mn	55	10064.831	0.03	0.8935	0.004	0.434	ug/L
|	Co	59	1682.825	0.01	0.1643	0.005	3.162	ug/L
|	Ni	60	4344.322	0.01	2.3993	0.130	5.412	ug/L
|	Cu	65	136382.924	0.44	73.8309	0.891	1.207	ug/L
|	Zn	66	3459.633	0.01	2.9120	0.061	2.093	ug/L
| >	Ge	72	310831.214	310831.21				ug/L
|	As	75	1738.606	0.01	1.9425	0.049	2.502	ug/L
|	Se	77	134.001	0.00	0.6508	0.139	21.347	ug/L
|	Se	82	84.570	0.00	0.9227	0.127	13.792	ug/L
⌊	Rb	85	5342.147	0.02				mg/L
	Y	89	201792.817	-61271.98				ug/L
	Rh	103	63.334	46.67				ug/L
⌈	Mo	98	17929.663	0.06	6.8221	0.031	0.452	ug/L
|	Ag	107	270.340	0.00	0.0254	0.005	19.386	ug/L
|	Cd	114	13.191	0.00	0.0158	0.014	88.442	ug/L
| >	In	115	301878.634	301878.63				ug/L
|	Sn	118	291.871	0.00	0.0465	0.002	4.437	ug/L
⌊	Sb	123	2453.277	0.01	0.6531	0.013	1.997	ug/L
⌈	Ba	135	98629.339	0.25	61.9355	0.294	0.474	ug/L
|	Ce	140	470.058	0.00				ug/L
⌊>	Tb	159	386714.456	386714.46				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	69.001	0.00	-0.0014	0.000	20.808	ug/L
|	Tl	205	106.678	0.00	-0.0117	0.000	2.260	ug/L
|	Pb	206	1385.443	0.00	0.1830	0.007	3.913	ug/L
|	Pb	207	1203.751	0.00	0.1785	0.011	5.955	ug/L
|	Pb	208	5568.335	0.01	0.1807	0.002	1.375	ug/L
|	U	238	22977.935	0.06	0.5914	0.006	0.959	ug/L
⌊>	Bi	209	363166.990	363166.99				ug/L

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Na	23	51841305.435	296.37	10.6510	0.504	4.733	mg/L	
Mg	24	1211335.065	6.93	0.3646	0.020	5.548	mg/L	
K	39	11079753.272	61.25	1.6238	0.112	6.886	mg/L	
Ca	43	927180.903	5.29	59.4638	1.306	2.196	mg/L	
Fe	54	88064.068	0.26	0.0755	0.012	15.372	mg/L	
Fe	57	40262.356	0.18	0.1344	0.017	12.307	mg/L	
> Sc-1	45	175225.741	175225.74				mg/L	
Cl	35	116610.703	90612.27				mg/L	
Kr	83	49.667	-20.67				mg/L	
Br	81	22646.293	12318.29				mg/L	
P	31	28566.128	18904.77				mg/L	
S	34	1505448.720	1351922.08				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		82.802			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		82.071			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.956			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.875			
Na	23					

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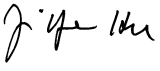

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1103104702PS WG360676-01

Sample Date/Time: Monday, April 04, 2011 15:19:44
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.203	0.03				ug/L
|	Be	9	13491.765	0.08	52.4437	0.766	1.461	ug/L
|	Al	27	298754.523	1.86	59.3961	3.642	6.132	ug/L
⌊>	Sc	45	160189.886	160189.89				ug/L
⌈	Ti	49	1310.217	0.00	2.6814	0.241	8.975	ug/L
|	V	51	414082.674	1.38	53.4353	0.507	0.949	ug/L
|	Cr	52	346200.520	1.13	51.9987	0.642	1.234	ug/L
|	Cr	53	40529.385	0.13	52.0407	1.291	2.480	ug/L
|	Mn	55	535916.954	1.80	52.9774	0.509	0.960	ug/L
|	Co	59	421802.828	1.41	52.8286	0.813	1.540	ug/L
|	Ni	60	93715.689	0.31	55.7929	0.240	0.430	ug/L
|	Cu	65	224341.524	0.75	126.5745	0.719	0.568	ug/L
|	Zn	66	52161.881	0.17	49.3720	0.339	0.686	ug/L
|>	Ge	72	298317.955	298317.96				ug/L
|	As	75	46042.606	0.15	47.1290	0.153	0.325	ug/L
|	Se	77	3407.914	0.01	42.8689	0.373	0.870	ug/L
|	Se	82	3988.757	0.01	41.2582	0.672	1.628	ug/L
⌊	Rb	85	5167.720	0.02				mg/L
	Y	89	194444.973	-68619.83				ug/L
	Rh	103	84.668	68.00				ug/L
⌈	Mo	98	17696.099	0.06	6.9292	0.075	1.081	ug/L
|	Ag	107	257083.893	0.88	47.6863	0.695	1.457	ug/L
|	Cd	114	53579.554	0.18	47.9342	0.926	1.931	ug/L
|>	In	115	293379.129	293379.13				ug/L
|	Sn	118	320.938	0.00	0.0558	0.002	3.358	ug/L
⌊	Sb	123	175070.103	0.60	49.5084	0.678	1.370	ug/L
⌈	Ba	135	170678.072	0.45	110.1705	0.465	0.422	ug/L
|	Ce	140	523.399	0.00				ug/L
⌊>	Tb	159	376253.669	376253.67				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	351169.541	1.00	51.0723	0.455	0.891	ug/L
|	Tl	205	871197.012	2.49	51.6672	0.134	0.259	ug/L
|	Pb	206	296438.351	0.85	53.2033	0.007	0.012	ug/L
|	Pb	207	262359.620	0.75	49.7983	0.586	1.177	ug/L
|	Pb	208	1215390.977	3.47	51.9757	0.327	0.629	ug/L
|	U	238	2109874.809	6.02	56.9147	0.741	1.302	ug/L
⌊>	Bi	209	350353.270	350353.27				ug/L

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⌈	Na	23	51769833.634	323.16	11.6139	0.287	2.469	mg/L
|	Mg	24	1209086.226	7.55	0.3976	0.015	3.828	mg/L
|	K	39	10818647.655	65.40	1.7343	0.041	2.384	mg/L
|	Ca	43	891614.569	5.57	62.5159	1.573	2.516	mg/L
|	Fe	54	86371.218	0.29	0.0865	0.003	3.092	mg/L
|	Fe	57	37909.062	0.19	0.1397	0.010	7.442	mg/L
⌊>	Sc-1	45	160189.886	160189.89				mg/L
	Cl	35	116309.314	90310.88				mg/L
	Kr	83	49.667	-20.67				mg/L
	Br	81	22641.621	12313.62				mg/L
	P	31	28546.119	18884.76				mg/L
	S	34	1458960.454	1305433.82				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		79.469			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		79.761			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		87.523			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		91.527			
⌈	Na	23					

Sample ID: L1103104702PS WG360676-01
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Cu 65 Upper, S, EEE	Cu	65	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1103104702PS WG360676-01
Report Date/Time: Monday, April 04, 2011 15:21:57
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Method 6020 - Summary Report

Sample ID: L1103104702SDL WG360676-02

Sample Date/Time: Monday, April 04, 2011 15:26:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20554.439	0.02				ug/L
|	Be	9	12.000	0.00	0.0656	0.020	30.656	ug/L
|	Al	27	14961.220	0.08	2.5989	0.190	7.307	ug/L
⌊>	Sc	45	161137.996	161138.00				ug/L
⌈	Ti	49	346.708	0.00	0.6452	0.204	31.604	ug/L
|	V	51	8463.890	0.02	0.7206	0.018	2.430	ug/L
|	Cr	52	10367.142	0.01	0.2242	0.025	11.343	ug/L
|	Cr	53	470.058	0.00	0.2374	0.063	26.688	ug/L
|	Mn	55	2393.977	0.01	0.1663	0.008	5.087	ug/L
|	Co	59	352.676	0.00	0.0045	0.001	23.955	ug/L
|	Ni	60	2516.342	0.01	1.3624	0.034	2.500	ug/L
|	Cu	65	25507.080	0.08	13.8470	0.103	0.745	ug/L
|	Zn	66	2793.752	0.01	2.3204	0.043	1.849	ug/L
|>	Ge	72	308820.106	308820.11				ug/L
|	As	75	221.872	0.00	0.4622	0.059	12.826	ug/L
|	Se	77	85.334	-0.00	0.0560	0.136	243.133	ug/L
|	Se	82	16.200	0.00	0.2447	0.032	12.984	ug/L
⌊	Rb	85	1042.065	0.00				mg/L
	Y	89	200840.029	-62224.77				ug/L
	Rh	103	24.000	7.33				ug/L
⌈	Mo	98	3408.780	0.01	1.2472	0.026	2.060	ug/L
|	Ag	107	79.668	0.00	-0.0091	0.002	17.762	ug/L
|	Cd	114	4.928	0.00	0.0087	0.005	60.493	ug/L
|>	In	115	303038.971	303038.97				ug/L
|	Sn	118	131.068	0.00	0.0074	0.001	14.200	ug/L
⌊	Sb	123	792.988	0.00	0.1958	0.008	4.090	ug/L
⌈	Ba	135	18459.542	0.05	11.9943	0.194	1.616	ug/L
|	Ce	140	113.345	0.00				ug/L
⌊>	Tb	159	373246.056	373246.06				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	45.001	0.00	-0.0048	0.001	20.028	ug/L
|	Tl	205	93.343	0.00	-0.0125	0.001	6.352	ug/L
|	Pb	206	544.354	0.00	0.0375	0.001	2.448	ug/L
|	Pb	207	493.017	0.00	0.0486	0.003	5.215	ug/L
|	Pb	208	2184.781	0.00	0.0414	0.003	6.144	ug/L
|	U	238	4209.928	0.01	0.1033	0.002	2.053	ug/L
⌊>	Bi	209	361782.785	361782.78				ug/L

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⌈	Na	23	9491810.203	58.85	2.1131	0.031	1.483	mg/L
|	Mg	24	234202.821	1.45	0.0741	0.002	2.868	mg/L
|	K	39	2343144.195	12.39	0.3228	0.008	2.364	mg/L
|	Ca	43	171220.527	1.06	11.9178	0.250	2.095	mg/L
|	Fe	54	46075.974	0.04	0.0070	0.003	46.687	mg/L
|	Fe	57	12609.223	0.03	0.0210	0.004	18.418	mg/L
⌊>	Sc-1	45	161137.996	161138.00				mg/L
	Cl	35	39040.067	13041.64				mg/L
	Kr	83	53.667	-16.67				mg/L
	Br	81	11479.921	1151.92				mg/L
	P	31	11090.147	1428.79				mg/L
	S	34	413926.252	260399.61				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		82.267			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		82.387			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		86.823			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.513			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104702SDL WG360676-02
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 15:33:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19435.607	0.01				ug/L
|	Be	9	14290.872	0.09	54.7562	0.583	1.064	ug/L
|	Al	27	257353.158	1.57	50.3547	0.335	0.665	ug/L
⌊>	Sc	45	162510.052	162510.05				ug/L
⌈	Ti	49	48435.208	0.15	94.3374	1.841	1.952	ug/L
|	V	51	388099.962	1.21	46.6812	0.361	0.773	ug/L
|	Cr	52	337840.589	1.03	47.2228	0.501	1.060	ug/L
|	Cr	53	38655.115	0.12	46.2690	1.103	2.383	ug/L
|	Mn	55	521624.915	1.63	48.1005	0.223	0.464	ug/L
|	Co	59	415639.491	1.30	48.5637	0.314	0.647	ug/L
|	Ni	60	87206.482	0.27	48.4233	0.464	0.959	ug/L
|	Cu	65	94720.820	0.30	49.8203	0.787	1.579	ug/L
|	Zn	66	59165.110	0.18	52.2581	0.566	1.083	ug/L
| >	Ge	72	319771.733	319771.73				ug/L
|	As	75	49070.937	0.15	46.8604	0.289	0.616	ug/L
|	Se	77	4094.172	0.01	48.1698	1.591	3.303	ug/L
|	Se	82	4869.499	0.02	46.9753	0.235	0.500	ug/L
⌊	Rb	85	1832.853	0.01				mg/L
	Y	89	204595.395	-58469.41				ug/L
	Rh	103	32.334	15.67				ug/L
⌈	Mo	98	248959.094	0.79	91.9826	1.358	1.477	ug/L
|	Ag	107	273015.382	0.87	47.4289	0.304	0.641	ug/L
|	Cd	114	58357.168	0.19	48.8991	0.663	1.356	ug/L
| >	In	115	313244.741	313244.74				ug/L
|	Sn	118	208944.938	0.67	48.7666	0.466	0.955	ug/L
⌊	Sb	123	184385.138	0.59	48.8365	0.085	0.174	ug/L
⌈	Ba	135	75104.784	0.19	47.1820	0.706	1.495	ug/L
|	Ce	140	43.338	0.00				ug/L
⌊>	Tb	159	386506.570	386506.57				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	346153.724	0.93	47.5953	0.062	0.129	ug/L
|	Tl	205	852338.407	2.30	47.7871	1.350	2.824	ug/L
|	Pb	206	284080.177	0.77	48.1952	0.679	1.410	ug/L
|	Pb	207	269401.996	0.73	48.3373	0.513	1.062	ug/L
|	Pb	208	1195286.133	3.22	48.3192	0.536	1.109	ug/L
|	U	238	2060020.513	5.56	52.5423	0.398	0.757	ug/L
⌊>	Bi	209	370584.492	370584.49				ug/L

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Na	23	23266623.947	143.10	5.1417	0.125	2.436	mg/L
Mg	24	15448042.641	95.06	5.0396	0.094	1.871	mg/L
K	39	29836738.678	181.48	4.8252	0.114	2.354	mg/L
Ca	43	71018.451	0.44	4.8919	0.170	3.484	mg/L
Fe	54	2506158.538	15.17	4.7633	0.043	0.905	mg/L
Fe	57	1038059.543	6.34	4.7505	0.088	1.850	mg/L
Sc-1	45	162510.052	162510.05				mg/L
Cl	35	18891.841	-7106.59				mg/L
Kr	83	49.001	-21.33				mg/L
Br	81	8322.796	-2005.20				mg/L
P	31	8315.501	-1345.86				mg/L
S	34	153860.844	334.21				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	93.362				
Cr	52	94.446				
Cr	53					
Mn	55	96.201				
Co	59	97.127				
Ni	60	96.847				
Cu	65	99.641				
Zn	66	104.516				
Ge	72		85.184			
As	75	93.721				
Se	77					
Se	82	93.951				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	94.858				
Cd	114	97.798				
In	115		85.161			
Sn	118					
Sb	123	97.673				
Ba	135	94.364				
Ce	140					
Tb	159		89.908			
Ho	165					
Tl	203	95.191				
Tl	205					
Pb	206					
Pb	207					
Pb	208	96.638				
U	238	105.085				
Bi	209		96.812			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 15:36:11

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 15:41:05
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21556.619	0.02				ug/L
|	Be	9	14.667	0.00	0.0755	0.021	28.073	ug/L
|	Al	27	1833.504	0.00	-0.0159	0.057	361.647	ug/L
⌊>	Sc	45	164137.522	164137.52				ug/L
⌈	Ti	49	56.673	0.00	0.0552	0.056	100.760	ug/L
|	V	51	2600.112	-0.00	-0.0271	0.002	8.360	ug/L
|	Cr	52	8487.352	-0.00	-0.1019	0.015	14.474	ug/L
|	Cr	53	286.699	-0.00	-0.0049	0.044	906.185	ug/L
|	Mn	55	282.340	-0.00	-0.0366	0.001	2.295	ug/L
|	Co	59	80.668	-0.00	-0.0288	0.001	2.359	ug/L
|	Ni	60	47.667	-0.00	-0.0605	0.003	4.631	ug/L
|	Cu	65	97.335	0.00	-0.0103	0.009	91.716	ug/L
|	Zn	66	199.671	0.00	-0.0701	0.015	21.433	ug/L
|>	Ge	72	320608.598	320608.60				ug/L
|	As	75	-189.008	0.00	0.0649	0.016	25.312	ug/L
|	Se	77	70.667	-0.00	-0.1586	0.030	19.129	ug/L
|	Se	82	5.162	0.00	0.1328	0.097	73.059	ug/L
⌊	Rb	85	23.667	0.00				mg/L
	Y	89	208515.558	-54549.24				ug/L
	Rh	103	13.667	-3.00				ug/L
⌈	Mo	98	279.687	0.00	0.0469	0.012	25.982	ug/L
|	Ag	107	46.334	0.00	-0.0154	0.001	3.826	ug/L
|	Cd	114	0.700	-0.00	0.0050	0.006	127.983	ug/L
|>	In	115	316506.301	316506.30				ug/L
|	Sn	118	300.271	0.00	0.0452	0.004	9.848	ug/L
⌊	Sb	123	119.032	0.00	0.0098	0.002	25.281	ug/L
⌈	Ba	135	19.000	-0.00	-0.0077	0.004	51.541	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	387638.214	387638.21				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	53.667	0.00	-0.0038	0.001	36.433	ug/L
|	Tl	205	110.012	0.00	-0.0117	0.002	13.429	ug/L
|	Pb	206	333.342	0.00	-0.0010	0.006	626.079	ug/L
|	Pb	207	278.007	-0.00	0.0075	0.001	16.227	ug/L
|	Pb	208	1321.048	0.00	0.0038	0.003	82.632	ug/L
|	U	238	211.338	0.00	-0.0014	0.001	68.873	ug/L
⌊>	Bi	209	373771.599	373771.60				ug/L

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⌈	Na	23	12662.654	0.02	-0.0016	0.000	18.419	mg/L
|	Mg	24	1116.843	0.01	-0.0026	0.000	3.534	mg/L
|	K	39	368718.692	0.09	-0.0045	0.001	33.054	mg/L
|	Ca	43	193.355	-0.00	-0.0048	0.002	47.258	mg/L
|	Fe	54	38151.285	-0.02	-0.0099	0.003	25.418	mg/L
|	Fe	57	5965.712	-0.01	-0.0103	0.002	23.109	mg/L
⌊>	Sc-1	45	164137.522	164137.52				mg/L
	Cl	35	17778.457	-8219.97				mg/L
	Kr	83	58.001	-12.33				mg/L
	Br	81	8550.323	-1777.68				mg/L
	P	31	8622.433	-1038.93				mg/L
	S	34	155646.993	2120.36				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.407			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		86.048			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		90.171			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.645			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 15:43:16

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: PBW 54 WG360724-02

Sample Date/Time: Monday, April 04, 2011 15:53:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21255.926	0.01				ug/L
|	Be	9	10.667	0.00	0.0573	0.021	37.225	ug/L
|	Al	27	3834.091	0.01	0.3362	0.170	50.502	ug/L
⌊>	Sc	45	173391.068	173391.07				ug/L
⌈	Ti	49	56.672	0.00	0.0528	0.022	41.843	ug/L
|	V	51	2723.264	0.00	-0.0199	0.004	18.865	ug/L
|	Cr	52	8802.294	-0.00	-0.0865	0.008	8.974	ug/L
|	Cr	53	266.697	-0.00	-0.0365	0.053	144.125	ug/L
|	Mn	55	745.369	0.00	0.0044	0.001	26.188	ug/L
|	Co	59	60.334	-0.00	-0.0313	0.001	3.551	ug/L
|	Ni	60	4618.446	0.01	2.4151	0.019	0.775	ug/L
|	Cu	65	125.669	0.00	0.0030	0.005	165.993	ug/L
|	Zn	66	1765.507	0.00	1.2792	0.037	2.891	ug/L
| >	Ge	72	328330.668	328330.67				ug/L
|	As	75	-196.554	-0.00	0.0622	0.036	57.833	ug/L
|	Se	77	74.000	-0.00	-0.1395	0.143	102.785	ug/L
|	Se	82	-3.159	-0.00	0.0536	0.081	151.779	ug/L
⌊	Rb	85	26.667	0.00				mg/L
	Y	89	215996.623	-47068.18				ug/L
	Rh	103	7.000	-9.67				ug/L
⌈	Mo	98	67.718	0.00	-0.0309	0.004	13.819	ug/L
|	Ag	107	27.334	0.00	-0.0187	0.002	9.246	ug/L
|	Cd	114	-0.952	-0.00	0.0037	0.002	56.450	ug/L
| >	In	115	320437.676	320437.68				ug/L
|	Sn	118	142.934	0.00	0.0084	0.002	21.014	ug/L
⌊	Sb	123	93.202	0.00	0.0027	0.002	82.847	ug/L
⌈	Ba	135	36.000	0.00	0.0026	0.002	68.959	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	392899.061	392899.06				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	25.667	-0.00	-0.0077	0.000	3.887	ug/L
|	Tl	205	60.006	-0.00	-0.0146	0.001	9.937	ug/L
|	Pb	206	377.011	0.00	0.0048	0.005	101.002	ug/L
|	Pb	207	332.342	0.00	0.0157	0.005	28.733	ug/L
|	Pb	208	1497.392	0.00	0.0094	0.001	7.259	ug/L
|	U	238	48.001	0.00	-0.0055	0.000	2.823	ug/L
⌊>	Bi	209	382997.796	382997.80				ug/L

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Na	23	31743.480	0.13	0.0022	0.000	11.619	mg/L
Mg	24	1170.186	0.01	-0.0026	0.000	1.017	mg/L
K	39	362378.513	-0.06	-0.0087	0.002	21.718	mg/L
Ca	43	266.697	-0.00	-0.0007	0.004	622.582	mg/L
Fe	54	40408.098	-0.02	-0.0096	0.003	32.259	mg/L
Fe	57	6406.025	-0.01	-0.0099	0.001	6.701	mg/L
> Sc-1	45	173391.068	173391.07				mg/L
Cl	35	17275.582	-8722.85				mg/L
Kr	83	56.667	-13.67				mg/L
Br	81	8669.765	-1658.24				mg/L
P	31	8889.954	-771.41				mg/L
S	34	158530.480	5003.84				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		87.464			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		87.117			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.395			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.055			
Na	23					

Sample ID: PBW 54 WG360724-02
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 54 WG360724-02
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Method 6020 - Summary Report

Sample ID: LCSS 54 WG360724-03

Sample Date/Time: Monday, April 04, 2011 16:09:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	22024.283	0.01				ug/L
|	Be	9	7731.655	0.04	27.0826	1.008	3.721	ug/L
|	Al	27	161596.744	0.90	28.7500	1.907	6.633	ug/L
⌊>	Sc	45	177919.468	177919.47				ug/L
⌜	Ti	49	70.007	0.00	0.0804	0.038	47.811	ug/L
|	V	51	237362.197	0.73	28.1670	0.133	0.474	ug/L
|	Cr	52	213574.109	0.63	29.1000	0.122	0.420	ug/L
|	Cr	53	25120.706	0.08	29.6799	0.799	2.693	ug/L
|	Mn	55	332634.107	1.03	30.3829	0.115	0.378	ug/L
|	Co	59	258853.725	0.80	29.9665	0.198	0.660	ug/L
|	Ni	60	55519.248	0.17	30.5270	0.073	0.240	ug/L
|	Cu	65	58533.730	0.18	30.4940	0.069	0.225	ug/L
|	Zn	66	32399.727	0.10	28.2551	0.217	0.768	ug/L
|>	Ge	72	322584.308	322584.31				ug/L
|	As	75	25554.948	0.08	24.3089	0.562	2.311	ug/L
|	Se	77	1886.845	0.01	21.4590	0.927	4.321	ug/L
|	Se	82	2271.174	0.01	21.7638	1.113	5.116	ug/L
⌊	Rb	85	37.667	0.00				mg/L
	Y	89	219845.719	-43219.08				ug/L
	Rh	103	24.334	7.67				ug/L
⌜	Mo	98	71.129	0.00	-0.0303	0.004	12.900	ug/L
|	Ag	107	151139.111	0.46	25.1308	0.467	1.860	ug/L
|	Cd	114	32307.666	0.10	25.9233	0.491	1.894	ug/L
|>	In	115	327173.842	327173.84				ug/L
|	Sn	118	195.602	0.00	0.0195	0.001	6.358	ug/L
⌊	Sb	123	102531.919	0.31	25.9922	0.212	0.815	ug/L
⌜	Ba	135	45216.449	0.11	27.3154	0.366	1.342	ug/L
|	Ce	140	73.341	0.00				ug/L
⌊>	Tb	159	401849.025	401849.02				ug/L
⌜	Ho	165	3.334	-0.00				ug/L
|	Tl	203	211972.608	0.55	28.1482	0.424	1.508	ug/L
|	Tl	205	528322.627	1.38	28.6027	0.214	0.748	ug/L
|	Pb	206	182716.238	0.48	29.9206	0.526	1.757	ug/L
|	Pb	207	161746.386	0.42	28.0130	0.343	1.224	ug/L
|	Pb	208	741868.389	1.93	28.9469	0.277	0.957	ug/L
|	U	238	1239797.713	3.23	30.5432	0.650	2.127	ug/L
⌊>	Bi	209	383682.476	383682.48				ug/L

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⌈	Na	23	49976.269	0.22	0.0057	0.000	5.164	mg/L
|	Mg	24	6662.894	0.04	-0.0010	0.000	16.105	mg/L
|	K	39	374214.920	-0.05	-0.0083	0.002	29.371	mg/L
|	Ca	43	366.710	0.00	0.0052	0.005	100.747	mg/L
|	Fe	54	99923.885	0.31	0.0936	0.003	3.405	mg/L
|	Fe	57	7043.187	-0.01	-0.0080	0.002	19.349	mg/L
⌊>	Sc-1	45	177919.468	177919.47				mg/L
	Cl	35	34693.423	8694.99				mg/L
	Kr	83	52.001	-18.33				mg/L
	Br	81	9456.471	-871.53				mg/L
	P	31	21887.699	12226.34				mg/L
	S	34	169125.804	15599.17				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.933			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.948			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.477			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.234			
⌈	Na	23					

Sample ID: LCSS 54 WG360724-03
Report Date/Time: Monday, April 04, 2011 16:11:37
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 54 WG360724-03
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Method 6020 - Summary Report

Sample ID: L1104006701 WG360724-01

Sample Date/Time: Monday, April 04, 2011 16:16:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24095.665	-0.04				ug/L
|	Be	9	273.337	0.00	0.5098	0.043	8.451	ug/L
|	Al	27	229614774.926	662.28	21214.4598	1278.067	6.025	ug/L
⌊>	Sc	45	346985.578	346985.58				ug/L
⌈	Ti	49	87052.688	0.26	164.5574	2.070	1.258	ug/L
|	V	51	1099633.651	3.33	128.9374	2.139	1.659	ug/L
|	Cr	52	384562.079	1.14	52.2967	0.522	0.998	ug/L
|	Cr	53	45075.874	0.14	52.4052	1.151	2.197	ug/L
|	Mn	55	6967374.804	21.14	624.1952	2.811	0.450	ug/L
|	Co	59	80982.089	0.25	9.1504	0.086	0.938	ug/L
|	Ni	60	29383.741	0.09	15.7729	0.135	0.857	ug/L
|	Cu	65	48602.678	0.15	24.7726	0.340	1.372	ug/L
|	Zn	66	66416.584	0.20	56.9399	0.990	1.738	ug/L
|>	Ge	72	329543.397	329543.40				ug/L
|	As	75	5548.150	0.02	5.3579	0.110	2.051	ug/L
|	Se	77	147.334	0.00	0.7123	0.226	31.770	ug/L
|	Se	82	68.732	0.00	0.7248	0.170	23.427	ug/L
⌊	Rb	85	242343.552	0.74				mg/L
	Y	89	236569.199	-26495.60				ug/L
	Rh	103	29.667	13.00				ug/L
⌈	Mo	98	949.205	0.00	0.3031	0.012	3.906	ug/L
|	Ag	107	569.022	0.00	0.0776	0.000	0.602	ug/L
|	Cd	114	9.898	0.00	0.0129	0.000	2.626	ug/L
|>	In	115	306579.677	306579.68				ug/L
|	Sn	118	383.741	0.00	0.0674	0.001	2.078	ug/L
⌊	Sb	123	103.276	0.00	0.0065	0.004	56.905	ug/L
⌈	Ba	135	110414.329	0.30	72.8014	0.289	0.397	ug/L
|	Ce	140	711448.889	1.93				ug/L
⌊>	Tb	159	368320.376	368320.38				ug/L
⌈	Ho	165	3591.005	0.01				ug/L
|	Tl	203	2335.630	0.01	0.3141	0.012	3.870	ug/L
|	Tl	205	6085.793	0.02	0.3277	0.002	0.545	ug/L
|	Pb	206	152575.678	0.42	26.1778	0.085	0.323	ug/L
|	Pb	207	131617.504	0.36	23.8852	0.287	1.202	ug/L
|	Pb	208	609972.339	1.66	24.9373	0.113	0.451	ug/L
|	U	238	115586.686	0.32	2.9781	0.035	1.177	ug/L
⌊>	Bi	209	366089.023	366089.02				ug/L

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⌈	Na	23	148514.381	0.37	0.0110	0.001	5.306	mg/L
|	Mg	24	2747706.634	7.92	0.4171	0.004	1.073	mg/L
|	K	39	6292833.220	15.98	0.4186	0.007	1.699	mg/L
|	Ca	43	5488.722	0.01	0.1597	0.004	2.422	mg/L
|	Fe	54	39387357.875	113.31	35.5993	1.073	3.013	mg/L
|	Fe	57	17073821.275	49.16	36.8450	0.381	1.035	mg/L
⌊>	Sc-1	45	346985.578	346985.58				mg/L
	Cl	35	31925.553	5927.12				mg/L
	Kr	83	69.334	-1.00				mg/L
	Br	81	9670.674	-657.33				mg/L
	P	31	194170.450	184509.09				mg/L
	S	34	136027.862	-17498.78				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		87.787			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		83.349			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		85.677			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.638			
⌈	Na	23					

Sample ID: L1104006701 WG360724-01
Report Date/Time: Monday, April 04, 2011 16:18:41
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
V 51 Upper, S, EEE	V	51	
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006701 WG360724-01

Sample Date/Time: Monday, April 04, 2011 16:25:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21473.104	-0.01				ug/L
|	Be	9	52.000	0.00	0.1766	0.019	10.607	ug/L
|	Al	27	46432590.692	225.52	7223.8963	461.540	6.389	ug/L
⌊>	Sc	45	206275.179	206275.18				ug/L
⌈	Ti	49	18175.004	0.05	32.3603	1.343	4.149	ug/L
|	V	51	236589.665	0.67	25.8923	0.158	0.611	ug/L
|	Cr	52	89956.372	0.23	10.5104	0.075	0.717	ug/L
|	Cr	53	9785.771	0.03	10.4509	0.517	4.950	ug/L
|	Mn	55	1492000.189	4.27	126.0183	1.698	1.347	ug/L
|	Co	59	17280.424	0.05	1.8111	0.008	0.422	ug/L
|	Ni	60	6732.333	0.02	3.3404	0.035	1.042	ug/L
|	Cu	65	11306.168	0.03	5.3875	0.060	1.116	ug/L
|	Zn	66	19568.028	0.06	15.6444	0.849	5.430	ug/L
|>	Ge	72	349404.886	349404.89				ug/L
|	As	75	1140.805	0.00	1.2357	0.028	2.280	ug/L
|	Se	77	106.667	0.00	0.1666	0.260	155.869	ug/L
|	Se	82	27.508	0.00	0.3256	0.046	14.209	ug/L
⌊	Rb	85	53011.001	0.15				mg/L
	Y	89	230662.958	-32401.84				ug/L
	Rh	103	16.334	-0.33				ug/L
⌈	Mo	98	283.061	0.00	0.0454	0.004	7.901	ug/L
|	Ag	107	121.002	0.00	-0.0031	0.001	47.187	ug/L
|	Cd	114	14.065	0.00	0.0158	0.004	22.415	ug/L
|>	In	115	324895.156	324895.16				ug/L
|	Sn	118	204.802	0.00	0.0219	0.001	5.607	ug/L
⌊	Sb	123	77.449	0.00	-0.0017	0.004	237.920	ug/L
⌈	Ba	135	22945.859	0.06	14.4540	0.248	1.719	ug/L
|	Ce	140	150147.122	0.39				ug/L
⌊>	Tb	159	385153.632	385153.63				ug/L
⌈	Ho	165	703.429	0.00				ug/L
|	Tl	203	479.016	0.00	0.0543	0.001	1.000	ug/L
|	Tl	205	1193.525	0.00	0.0487	0.007	14.975	ug/L
|	Pb	206	30782.623	0.08	5.1380	0.066	1.287	ug/L
|	Pb	207	26412.767	0.07	4.6717	0.099	2.120	ug/L
|	Pb	208	123527.682	0.33	4.9180	0.082	1.674	ug/L
|	U	238	22350.841	0.06	0.5599	0.012	2.123	ug/L
⌊>	Bi	209	372993.497	372993.50				ug/L

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⌈	Na	23	62833.751	0.25	0.0066	0.000	7.052	mg/L
|	Mg	24	613373.299	2.98	0.1549	0.005	3.474	mg/L
|	K	39	1768124.199	6.43	0.1642	0.012	7.576	mg/L
|	Ca	43	1003.484	0.00	0.0367	0.004	11.011	mg/L
|	Fe	54	8462530.817	40.86	12.8343	0.901	7.023	mg/L
|	Fe	57	3672909.572	17.79	13.3296	0.794	5.957	mg/L
⌊>	Sc-1	45	206275.179	206275.18				mg/L
	Cl	35	19370.744	-6627.69				mg/L
	Kr	83	56.667	-13.67				mg/L
	Br	81	10038.371	-289.63				mg/L
	P	31	52959.889	43298.53				mg/L
	S	34	133896.891	-19629.75				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.078			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.329			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.593			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.442			
⌈	Na	23					

Sample ID: L1104006701 WG360724-01
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006702S WG360724-04

Sample Date/Time: Monday, April 04, 2011 16:32:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22224.700	-0.00				ug/L
|	Be	9	1384.096	0.01	4.2295	0.161	3.808	ug/L
|	Al	27	55199917.454	269.92	8646.0993	161.114	1.863	ug/L
⌊>	Sc	45	204555.293	204555.29				ug/L
⌈	Ti	49	19925.157	0.06	35.4769	0.496	1.398	ug/L
|	V	51	242908.470	0.69	26.5905	0.408	1.534	ug/L
|	Cr	52	126305.318	0.33	15.2885	0.327	2.141	ug/L
|	Cr	53	13780.867	0.04	14.8576	0.145	0.979	ug/L
|	Mn	55	1091848.162	3.12	92.1960	2.118	2.297	ug/L
|	Co	59	57447.144	0.16	6.1090	0.148	2.424	ug/L
|	Ni	60	17000.275	0.05	8.5668	0.131	1.523	ug/L
|	Cu	65	21697.732	0.06	10.3939	0.067	0.648	ug/L
|	Zn	66	29606.060	0.08	23.7961	0.453	1.906	ug/L
|>	Ge	72	349473.504	349473.50				ug/L
|	As	75	5098.826	0.02	4.6768	0.113	2.412	ug/L
|	Se	77	454.010	0.00	3.9820	0.383	9.629	ug/L
|	Se	82	429.509	0.00	3.8706	0.449	11.591	ug/L
⌊	Rb	85	73640.565	0.21				mg/L
	Y	89	231706.681	-31358.12				ug/L
	Rh	103	14.000	-2.67				ug/L
⌈	Mo	98	434.845	0.00	0.1005	0.005	5.309	ug/L
|	Ag	107	23785.831	0.07	3.9873	0.062	1.560	ug/L
|	Cd	114	5445.049	0.02	4.4303	0.021	0.468	ug/L
|>	In	115	322874.323	322874.32				ug/L
|	Sn	118	182.402	0.00	0.0171	0.001	4.651	ug/L
⌊	Sb	123	262.789	0.00	0.0461	0.004	9.172	ug/L
⌈	Ba	135	33033.802	0.09	20.8099	0.304	1.460	ug/L
|	Ce	140	136035.966	0.35				ug/L
⌊>	Tb	159	385307.622	385307.62				ug/L
⌈	Ho	165	936.804	0.00				ug/L
|	Tl	203	33294.011	0.09	4.5234	0.039	0.865	ug/L
|	Tl	205	84130.916	0.22	4.6548	0.049	1.042	ug/L
|	Pb	206	50628.344	0.13	8.4603	0.087	1.029	ug/L
|	Pb	207	43868.450	0.12	7.7604	0.068	0.873	ug/L
|	Pb	208	204828.902	0.54	8.1602	0.103	1.266	ug/L
|	U	238	207260.237	0.55	5.2292	0.049	0.931	ug/L
⌊>	Bi	209	374197.017	374197.02				ug/L

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⌈	Na	23	98980.857	0.43	0.0130	0.000	3.208	mg/L
|	Mg	24	888540.317	4.35	0.2276	0.009	4.073	mg/L
|	K	39	2083038.796	8.04	0.2070	0.013	6.325	mg/L
|	Ca	43	993.482	0.00	0.0366	0.002	6.336	mg/L
|	Fe	54	7362295.377	35.76	11.2308	0.284	2.532	mg/L
|	Fe	57	3137707.453	15.30	11.4662	0.436	3.802	mg/L
⌊>	Sc-1	45	204555.293	204555.29				mg/L
	Cl	35	23159.472	-2838.96				mg/L
	Kr	83	58.334	-12.00				mg/L
	Br	81	10863.899	535.90				mg/L
	P	31	47554.824	37893.46				mg/L
	S	34	136816.026	-16710.61				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.096			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.779			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.629			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.756			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1104006703SD WG360724-05

Sample Date/Time: Monday, April 04, 2011 16:40:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22625.572	-0.00				ug/L
|	Be	9	1474.109	0.01	4.3552	0.235	5.400	ug/L
|	Al	27	48327798.475	228.27	7311.8866	147.058	2.011	ug/L
⌊>	Sc	45	211718.095	211718.09				ug/L
⌈	Ti	49	17764.225	0.05	31.4228	1.385	4.407	ug/L
|	V	51	277180.568	0.78	30.1935	0.242	0.801	ug/L
|	Cr	52	130589.798	0.34	15.7416	0.071	0.453	ug/L
|	Cr	53	14668.887	0.04	15.7348	0.344	2.188	ug/L
|	Mn	55	1324015.225	3.76	111.0911	0.591	0.532	ug/L
|	Co	59	57870.897	0.16	6.1146	0.085	1.391	ug/L
|	Ni	60	16354.193	0.05	8.1845	0.083	1.017	ug/L
|	Cu	65	21813.985	0.06	10.3833	0.041	0.397	ug/L
|	Zn	66	27683.879	0.08	22.0904	0.191	0.863	ug/L
|>	Ge	72	351695.058	351695.06				ug/L
|	As	75	5491.157	0.02	4.9869	0.076	1.532	ug/L
|	Se	77	459.344	0.00	4.0110	0.105	2.625	ug/L
|	Se	82	454.774	0.00	4.0650	0.110	2.710	ug/L
⌊	Rb	85	61884.532	0.18				mg/L
	Y	89	234436.100	-28628.70				ug/L
	Rh	103	23.000	6.33				ug/L
⌈	Mo	98	267.289	0.00	0.0399	0.005	11.276	ug/L
|	Ag	107	24820.349	0.08	4.1392	0.054	1.312	ug/L
|	Cd	114	5771.289	0.02	4.6701	0.098	2.106	ug/L
|>	In	115	324624.815	324624.82				ug/L
|	Sn	118	145.334	0.00	0.0086	0.001	11.787	ug/L
⌊	Sb	123	354.872	0.00	0.0693	0.003	4.920	ug/L
⌈	Ba	135	30915.356	0.08	19.4782	0.162	0.833	ug/L
|	Ce	140	130114.593	0.34				ug/L
⌊>	Tb	159	385182.642	385182.64				ug/L
⌈	Ho	165	836.786	0.00				ug/L
|	Tl	203	33641.497	0.09	4.6378	0.042	0.912	ug/L
|	Tl	205	84231.818	0.23	4.7287	0.104	2.197	ug/L
|	Pb	206	52368.622	0.14	8.8810	0.092	1.040	ug/L
|	Pb	207	46537.171	0.13	8.3550	0.030	0.364	ug/L
|	Pb	208	214337.705	0.58	8.6657	0.067	0.771	ug/L
|	U	238	217520.245	0.59	5.5685	0.031	0.551	ug/L
⌊>	Bi	209	368839.293	368839.29				ug/L

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Na	23	56803.257	0.21	0.0053	0.000	6.459	mg/L
Mg	24	714326.207	3.37	0.1760	0.004	2.083	mg/L
K	39	1954594.124	7.08	0.1815	0.005	2.482	mg/L
Ca	43	916.801	0.00	0.0307	0.005	16.130	mg/L
Fe	54	8349739.316	39.19	12.3091	0.014	0.115	mg/L
Fe	57	3600597.160	16.96	12.7110	0.307	2.414	mg/L
> Sc-1	45	211718.095	211718.09				mg/L
Cl	35	19249.862	-6748.57				mg/L
Kr	83	66.334	-4.00				mg/L
Br	81	10209.877	-118.12				mg/L
P	31	52329.908	42668.55				mg/L
S	34	134296.992	-19229.65				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.688			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.255			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.600			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.356			
Na	23					

Sample ID: L1104006703SD WG360724-05
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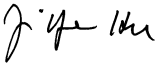

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104006703SD WG360724-05
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006701PS WG360750-01

Sample Date/Time: Monday, April 04, 2011 16:47:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22775.967	-0.00				ug/L
|	Be	9	15694.309	0.07	45.0679	2.658	5.898	ug/L
|	Al	27	50955607.586	234.97	7526.5141	410.307	5.451	ug/L
⌊>	Sc	45	217203.163	217203.16				ug/L
⌈	Ti	49	19340.629	0.05	34.0236	0.737	2.166	ug/L
|	V	51	707532.868	1.99	77.1798	1.464	1.897	ug/L
|	Cr	52	489149.772	1.36	62.2382	1.253	2.014	ug/L
|	Cr	53	56729.455	0.16	61.5221	1.134	1.843	ug/L
|	Mn	55	2221026.889	6.28	185.3828	2.654	1.432	ug/L
|	Co	59	522976.044	1.48	55.2599	0.560	1.013	ug/L
|	Ni	60	113900.569	0.32	57.2086	1.012	1.768	ug/L
|	Cu	65	124365.570	0.35	59.1603	0.647	1.094	ug/L
|	Zn	66	81317.826	0.23	65.0075	0.862	1.326	ug/L
|>	Ge	72	353627.124	353627.12				ug/L
|	As	75	58414.897	0.17	50.4240	0.342	0.678	ug/L
|	Se	77	4643.078	0.01	49.4251	0.705	1.427	ug/L
|	Se	82	5402.273	0.02	47.1264	0.411	0.873	ug/L
⌊	Rb	85	56881.898	0.16				mg/L
	Y	89	236037.094	-27027.71				ug/L
	Rh	103	51.667	35.00				ug/L
⌈	Mo	98	268.841	0.00	0.0390	0.007	16.671	ug/L
|	Ag	107	315850.753	0.96	52.1800	1.073	2.056	ug/L
|	Cd	114	64437.181	0.20	51.3443	1.271	2.475	ug/L
|>	In	115	329431.391	329431.39				ug/L
|	Sn	118	212.269	0.00	0.0230	0.002	9.273	ug/L
⌊	Sb	123	201040.617	0.61	50.6328	0.360	0.712	ug/L
⌈	Ba	135	105500.059	0.27	65.6199	0.852	1.299	ug/L
|	Ce	140	157100.162	0.40				ug/L
⌊>	Tb	159	390427.427	390427.43				ug/L
⌈	Ho	165	743.436	0.00				ug/L
|	Tl	203	379009.627	1.01	51.3427	0.540	1.052	ug/L
|	Tl	205	946260.653	2.52	52.2694	0.576	1.103	ug/L
|	Pb	206	348013.282	0.92	58.1804	0.503	0.864	ug/L
|	Pb	207	309282.984	0.82	54.6767	0.475	0.870	ug/L
|	Pb	208	1431015.127	3.80	56.9999	0.366	0.643	ug/L
|	U	238	2200726.590	5.85	55.2996	0.636	1.151	ug/L
⌊>	Bi	209	376153.704	376153.70				ug/L

Sample ID: L1104006701PS WG360750-01
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⌈	Na	23	48555.808	0.17	0.0037	0.001	13.866	mg/L
|	Mg	24	656412.155	3.03	0.1575	0.008	5.016	mg/L
|	K	39	1865606.730	6.44	0.1645	0.008	4.868	mg/L
|	Ca	43	876.794	0.00	0.0274	0.009	31.303	mg/L
|	Fe	54	9066649.320	41.55	13.0523	0.653	5.000	mg/L
|	Fe	57	3966285.831	18.24	13.6687	0.727	5.320	mg/L
⌊>	Sc-1	45	217203.163	217203.16				mg/L
	Cl	35	20605.243	-5393.19				mg/L
	Kr	83	70.334	0.00				mg/L
	Br	81	9764.098	-563.90				mg/L
	P	31	54827.931	45166.57				mg/L
	S	34	129353.426	-24173.21				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.203			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.562			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		90.820			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.267			
⌈	Na	23					

Sample ID: L1104006701PS WG360750-01
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104006701PS WG360750-01
Report Date/Time: Monday, April 04, 2011 16:49:21
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006701SDL WG360750-02

Sample Date/Time: Monday, April 04, 2011 16:54:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20521.051	0.00				ug/L
|	Be	9	16.667	0.00	0.0752	0.011	14.591	ug/L
|	Al	27	9837860.361	52.94	1695.7751	95.130	5.610	ug/L
⌊>	Sc	45	185878.476	185878.48				ug/L
⌈	Ti	49	4007.874	0.01	6.9974	0.500	7.141	ug/L
|	V	51	52121.317	0.14	5.3632	0.042	0.778	ug/L
|	Cr	52	27306.170	0.05	2.2260	0.045	2.040	ug/L
|	Cr	53	2383.856	0.01	2.2468	0.069	3.053	ug/L
|	Mn	55	312316.268	0.88	25.9895	0.473	1.819	ug/L
|	Co	59	3758.077	0.01	0.3588	0.005	1.254	ug/L
|	Ni	60	1502.795	0.00	0.6683	0.027	4.036	ug/L
|	Cu	65	2471.664	0.01	1.1143	0.005	0.462	ug/L
|	Zn	66	6482.166	0.02	4.9507	0.175	3.532	ug/L
|>	Ge	72	354013.476	354013.48				ug/L
|	As	75	104.611	0.00	0.3338	0.036	10.740	ug/L
|	Se	77	96.667	-0.00	0.0439	0.164	372.752	ug/L
|	Se	82	13.789	0.00	0.2020	0.139	68.935	ug/L
⌊	Rb	85	11423.635	0.03				mg/L
	Y	89	232484.496	-30580.31				ug/L
	Rh	103	12.667	-4.00				ug/L
⌈	Mo	98	88.024	0.00	-0.0243	0.007	27.926	ug/L
|	Ag	107	57.001	0.00	-0.0140	0.001	6.343	ug/L
|	Cd	114	3.744	0.00	0.0074	0.003	35.139	ug/L
|>	In	115	328133.511	328133.51				ug/L
|	Sn	118	144.401	0.00	0.0080	0.001	17.136	ug/L
⌊	Sb	123	488.677	0.00	0.1022	0.011	11.140	ug/L
⌈	Ba	135	4753.844	0.01	2.9778	0.088	2.967	ug/L
|	Ce	140	30573.071	0.08				ug/L
⌊>	Tb	159	385279.459	385279.46				ug/L
⌈	Ho	165	156.684	0.00				ug/L
|	Tl	203	136.336	0.00	0.0077	0.003	38.135	ug/L
|	Tl	205	343.374	0.00	0.0015	0.001	47.668	ug/L
|	Pb	206	6490.838	0.02	1.0506	0.007	0.622	ug/L
|	Pb	207	5532.919	0.01	0.9563	0.015	1.538	ug/L
|	Pb	208	25982.967	0.07	1.0073	0.006	0.573	ug/L
|	U	238	4595.436	0.01	0.1111	0.005	4.633	ug/L
⌊>	Bi	209	368810.696	368810.70				ug/L

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Na	23	32104.719	0.12	0.0018	0.000	11.907	mg/L
Mg	24	129111.345	0.69	0.0339	0.001	2.817	mg/L
K	39	668066.590	1.44	0.0313	0.003	8.911	mg/L
Ca	43	426.719	0.00	0.0078	0.005	62.909	mg/L
Fe	54	1913282.179	10.05	3.1518	0.051	1.632	mg/L
Fe	57	772262.192	4.11	3.0764	0.040	1.288	mg/L
> Sc-1	45	185878.476	185878.48				mg/L
Cl	35	15487.988	-10510.44				mg/L
Kr	83	62.667	-7.67				mg/L
Br	81	10452.795	124.79				mg/L
P	31	18406.927	8745.57				mg/L
S	34	131267.439	-22259.20				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		94.306			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.209			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.622			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.349			
Na	23					

Sample ID: L1104006701SDL WG360750-02
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104006701SDL WG360750-02
Report Date/Time: Monday, April 04, 2011 16:56:27
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 17:01:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19302.006	0.00				ug/L
|	Be	9	14100.602	0.08	51.3514	2.699	5.256	ug/L
|	Al	27	271897.338	1.58	50.5780	3.026	5.983	ug/L
⌊>	Sc	45	171238.960	171238.96				ug/L
⌈	Ti	49	52593.227	0.15	93.6188	1.637	1.749	ug/L
|	V	51	435455.552	1.24	47.8823	0.583	1.217	ug/L
|	Cr	52	377978.297	1.05	48.3182	0.257	0.532	ug/L
|	Cr	53	45363.905	0.13	49.6611	1.774	3.573	ug/L
|	Mn	55	584069.816	1.67	49.2302	0.787	1.598	ug/L
|	Co	59	463322.286	1.32	49.4784	0.407	0.822	ug/L
|	Ni	60	98929.277	0.28	50.2100	0.305	0.608	ug/L
|	Cu	65	105970.939	0.30	50.9464	0.732	1.438	ug/L
|	Zn	66	65124.357	0.19	52.5752	0.303	0.576	ug/L
| >	Ge	72	349872.329	349872.33				ug/L
|	As	75	56190.790	0.16	49.0322	0.422	0.860	ug/L
|	Se	77	4683.096	0.01	50.4054	0.555	1.101	ug/L
|	Se	82	5544.391	0.02	48.8776	0.648	1.326	ug/L
⌊	Rb	85	2200.264	0.01				mg/L
	Y	89	232968.913	-30095.89				ug/L
	Rh	103	40.334	23.67				ug/L
⌈	Mo	98	284894.108	0.86	99.7955	1.064	1.066	ug/L
|	Ag	107	305230.333	0.92	50.2716	0.351	0.699	ug/L
|	Cd	114	64127.456	0.19	50.9386	0.395	0.775	ug/L
| >	In	115	330410.899	330410.90				ug/L
|	Sn	118	227025.345	0.69	50.2358	0.368	0.733	ug/L
⌊	Sb	123	197374.404	0.60	49.5639	0.622	1.255	ug/L
⌈	Ba	135	80097.351	0.20	49.2086	0.500	1.017	ug/L
|	Ce	140	70.007	0.00				ug/L
⌊>	Tb	159	395232.463	395232.46				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	347055.696	0.97	49.3635	0.361	0.731	ug/L
|	Tl	205	839050.912	2.34	48.6647	1.216	2.499	ug/L
|	Pb	206	282399.963	0.79	49.5644	0.534	1.078	ug/L
|	Pb	207	268126.598	0.75	49.7681	0.851	1.709	ug/L
|	Pb	208	1187207.023	3.31	49.6470	0.086	0.172	ug/L
|	U	238	1997313.958	5.58	52.6983	0.302	0.572	ug/L
⌊>	Bi	209	358242.872	358242.87				ug/L

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Na	23	22837793.138	133.52	4.7973	0.256	5.328	mg/L	
Mg	24	15425498.981	90.24	4.7840	0.282	5.900	mg/L	
K	39	32700191.254	189.01	5.0257	0.187	3.718	mg/L	
Ca	43	77221.681	0.45	5.0481	0.066	1.316	mg/L	
Fe	54	2792800.443	16.08	5.0489	0.236	4.684	mg/L	
Fe	57	1171634.620	6.80	5.0982	0.267	5.230	mg/L	
Sc-1	45	171238.960	171238.96				mg/L	
Cl	35	15387.840	-10610.59				mg/L	
Kr	83	65.668	-4.67				mg/L	
Br	81	10111.781	-216.22				mg/L	
P	31	8930.687	-730.67				mg/L	
S	34	144640.175	-8886.46				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	95.765				
Cr	52	96.636				
Cr	53					
Mn	55	98.460				
Co	59	98.957				
Ni	60	100.420				
Cu	65	101.893				
Zn	66	105.150				
Ge	72		93.203			
As	75	98.064				
Se	77					
Se	82	97.755				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.543				
Cd	114	101.877				
In	115		89.828			
Sn	118					
Sb	123	99.128				
Ba	135	98.417				
Ce	140					
Tb	159		91.938			
Ho	165					
Tl	203	98.727				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.294				
U	238	105.397				
Bi	209		93.588			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 17:08:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20654.666	0.01				ug/L
|	Be	9	12.000	0.00	0.0607	0.011	17.356	ug/L
|	Al	27	2600.344	0.00	0.0896	0.073	81.282	ug/L
⌊>	Sc	45	179363.030	179363.03				ug/L
⌈	Ti	49	46.671	0.00	0.0275	0.051	186.687	ug/L
|	V	51	3224.676	0.00	0.0115	0.002	13.949	ug/L
|	Cr	52	10444.223	0.00	0.0369	0.026	71.073	ug/L
|	Cr	53	243.361	-0.00	-0.0848	0.059	70.071	ug/L
|	Mn	55	344.343	-0.00	-0.0339	0.001	2.254	ug/L
|	Co	59	84.668	-0.00	-0.0292	0.001	2.287	ug/L
|	Ni	60	41.000	-0.00	-0.0663	0.005	7.398	ug/L
|	Cu	65	86.335	0.00	-0.0203	0.007	32.244	ug/L
|	Zn	66	201.671	0.00	-0.0852	0.019	22.290	ug/L
|>	Ge	72	354130.425	354130.42				ug/L
|	As	75	-193.683	0.00	0.0779	0.031	39.155	ug/L
|	Se	77	99.334	-0.00	0.0728	0.138	190.145	ug/L
|	Se	82	15.435	0.00	0.2176	0.115	52.759	ug/L
⌊	Rb	85	23.000	0.00				mg/L
	Y	89	238698.921	-24365.88				ug/L
	Rh	103	12.000	-4.67				ug/L
⌈	Mo	98	353.101	0.00	0.0674	0.020	29.262	ug/L
|	Ag	107	49.334	0.00	-0.0153	0.001	6.966	ug/L
|	Cd	114	5.346	0.00	0.0086	0.002	22.121	ug/L
|>	In	115	332739.260	332739.26				ug/L
|	Sn	118	256.137	0.00	0.0321	0.006	17.168	ug/L
⌊	Sb	123	145.741	0.00	0.0149	0.003	22.167	ug/L
⌈	Ba	135	23.667	-0.00	-0.0050	0.002	46.118	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	394584.115	394584.12				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	46.001	0.00	-0.0046	0.002	36.845	ug/L
|	Tl	205	120.013	0.00	-0.0109	0.001	9.685	ug/L
|	Pb	206	305.674	-0.00	-0.0036	0.002	64.248	ug/L
|	Pb	207	277.340	0.00	0.0094	0.000	2.389	ug/L
|	Pb	208	1241.709	0.00	0.0026	0.000	16.582	ug/L
|	U	238	156.003	0.00	-0.0026	0.001	31.060	ug/L
⌊>	Bi	209	359100.086	359100.09				ug/L

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⌈	Na	23	10823.616	0.00	-0.0022	0.000	8.345	mg/L
|	Mg	24	750.104	0.00	-0.0028	0.000	1.837	mg/L
|	K	39	376687.976	-0.05	-0.0084	0.002	25.739	mg/L
|	Ca	43	196.688	-0.00	-0.0056	0.003	46.935	mg/L
|	Fe	54	45856.123	0.01	-0.0025	0.002	73.429	mg/L
|	Fe	57	8884.848	0.00	-0.0005	0.003	701.665	mg/L
⌊>	Sc-1	45	179363.030	179363.03				mg/L
	Cl	35	14386.360	-11612.07				mg/L
	Kr	83	65.001	-5.33				mg/L
	Br	81	10897.935	569.93				mg/L
	P	31	8787.195	-874.16				mg/L
	S	34	145337.151	-8189.49				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.337			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.461			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.787			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.812			
⌈	Na	23					

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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 17:10:38

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006601

Sample Date/Time: Monday, April 04, 2011 17:15:33
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22608.887	-0.02				ug/L
|	Be	9	109.334	0.00	0.2826	0.038	13.561	ug/L
|	Al	27	91328311.206	353.35	11318.7139	751.799	6.642	ug/L
⌊>	Sc	45	258895.317	258895.32				ug/L
⌈	Ti	49	78226.030	0.23	141.2403	3.813	2.700	ug/L
|	V	51	450880.815	1.30	50.2899	0.791	1.572	ug/L
|	Cr	52	161629.743	0.44	20.2052	0.227	1.121	ug/L
|	Cr	53	18211.732	0.05	20.0051	0.582	2.912	ug/L
|	Mn	55	1509763.896	4.37	129.1401	1.283	0.993	ug/L
|	Co	59	26056.505	0.08	2.7856	0.049	1.776	ug/L
|	Ni	60	14362.786	0.04	7.3180	0.134	1.832	ug/L
|	Cu	65	21276.490	0.06	10.3232	0.087	0.847	ug/L
|	Zn	66	30988.251	0.09	25.2407	0.260	1.031	ug/L
|>	Ge	72	345023.240	345023.24				ug/L
|	As	75	1663.445	0.01	1.7088	0.105	6.118	ug/L
|	Se	77	126.001	0.00	0.3976	0.082	20.555	ug/L
|	Se	82	30.766	0.00	0.3574	0.143	40.117	ug/L
⌊	Rb	85	100898.481	0.29				mg/L
	Y	89	253050.329	-10014.47				ug/L
	Rh	103	18.334	1.67				ug/L
⌈	Mo	98	1724.458	0.01	0.5676	0.009	1.573	ug/L
|	Ag	107	200.004	0.00	0.0106	0.001	7.735	ug/L
|	Cd	114	272.906	0.00	0.2278	0.031	13.598	ug/L
|>	In	115	320539.071	320539.07				ug/L
|	Sn	118	320.938	0.00	0.0490	0.002	4.840	ug/L
⌊	Sb	123	142.615	0.00	0.0155	0.003	20.472	ug/L
⌈	Ba	135	43651.170	0.11	27.7127	0.189	0.683	ug/L
|	Ce	140	1025186.900	2.68				ug/L
⌊>	Tb	159	382355.901	382355.90				ug/L
⌈	Ho	165	3100.791	0.01				ug/L
|	Tl	203	862.379	0.00	0.1080	0.003	2.714	ug/L
|	Tl	205	2043.747	0.01	0.0973	0.006	6.364	ug/L
|	Pb	206	74708.114	0.20	12.6868	0.177	1.394	ug/L
|	Pb	207	63790.787	0.17	11.4619	0.042	0.369	ug/L
|	Pb	208	298550.627	0.81	12.0831	0.135	1.119	ug/L
|	U	238	41862.193	0.11	1.0657	0.014	1.299	ug/L
⌊>	Bi	209	369035.478	369035.48				ug/L

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Na	23	854282.987	3.25	0.1143	0.003	2.855	mg/L	
Mg	24	1867205.013	7.22	0.3800	0.015	3.817	mg/L	
K	39	4191546.550	14.06	0.3675	0.031	8.421	mg/L	
Ca	43	1560.278	0.00	0.0497	0.002	3.723	mg/L	
Fe	54	14155345.671	54.50	17.1214	0.906	5.294	mg/L	
Fe	57	6088073.209	23.50	17.6080	0.846	4.803	mg/L	
> Sc-1	45	258895.317	258895.32				mg/L	
Cl	35	20843.034	-5155.40				mg/L	
Kr	83	65.334	-5.00				mg/L	
Br	81	10663.017	335.02				mg/L	
P	31	88815.333	79153.97				mg/L	
S	34	137696.998	-15829.64				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.911			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		87.145			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		88.942			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.408			
Na	23					

Sample ID: L1104006601
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006602

Sample Date/Time: Monday, April 04, 2011 17:22:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21740.489	-0.01				ug/L
|	Be	9	111.334	0.00	0.3273	0.044	13.565	ug/L
|	Al	27	80785222.529	358.72	11490.7469	336.146	2.925	ug/L
⌊>	Sc	45	225399.373	225399.37				ug/L
⌈	Ti	49	30646.624	0.09	55.1574	1.331	2.414	ug/L
|	V	51	468411.879	1.35	52.1200	0.793	1.522	ug/L
|	Cr	52	200540.623	0.55	25.3155	0.273	1.076	ug/L
|	Cr	53	22671.270	0.06	24.9249	0.471	1.888	ug/L
|	Mn	55	3476611.273	10.05	296.6800	4.925	1.660	ug/L
|	Co	59	44482.161	0.13	4.7700	0.076	1.601	ug/L
|	Ni	60	12755.926	0.04	6.4721	0.113	1.741	ug/L
|	Cu	65	23836.281	0.07	11.5411	0.052	0.447	ug/L
|	Zn	66	37317.213	0.11	30.3656	0.553	1.820	ug/L
|>	Ge	72	345952.082	345952.08				ug/L
|	As	75	3819.682	0.01	3.5981	0.046	1.288	ug/L
|	Se	77	134.668	0.00	0.4891	0.206	42.061	ug/L
|	Se	82	46.357	0.00	0.4972	0.244	49.001	ug/L
⌊	Rb	85	146241.737	0.42				mg/L
	Y	89	239822.183	-23242.62				ug/L
	Rh	103	20.000	3.33				ug/L
⌈	Mo	98	1136.546	0.00	0.3545	0.007	1.884	ug/L
|	Ag	107	337.009	0.00	0.0337	0.004	10.643	ug/L
|	Cd	114	32.257	0.00	0.0308	0.014	47.098	ug/L
|>	In	115	321072.588	321072.59				ug/L
|	Sn	118	234.803	0.00	0.0293	0.002	6.547	ug/L
⌊	Sb	123	109.071	0.00	0.0068	0.003	50.029	ug/L
⌈	Ba	135	74239.639	0.20	47.4002	0.358	0.755	ug/L
|	Ce	140	268647.454	0.71				ug/L
⌊>	Tb	159	380305.745	380305.74				ug/L
⌈	Ho	165	1736.993	0.00				ug/L
|	Tl	203	1228.754	0.00	0.1580	0.001	0.356	ug/L
|	Tl	205	3020.758	0.01	0.1518	0.005	3.312	ug/L
|	Pb	206	61302.978	0.16	10.3665	0.152	1.464	ug/L
|	Pb	207	52287.871	0.14	9.3579	0.064	0.689	ug/L
|	Pb	208	244517.806	0.66	9.8557	0.105	1.070	ug/L
|	U	238	51073.272	0.14	1.2975	0.007	0.535	ug/L
⌊>	Bi	209	370191.927	370191.93				ug/L

Sample ID: L1104006602
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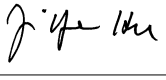

⌈	Na	23	144849.859	0.59	0.0188	0.001	7.935	mg/L
|	Mg	24	1845592.444	8.20	0.4318	0.014	3.175	mg/L
|	K	39	3561726.526	13.66	0.3567	0.011	3.019	mg/L
|	Ca	43	4691.570	0.02	0.2163	0.015	7.093	mg/L
|	Fe	54	17565780.329	77.80	24.4414	1.134	4.639	mg/L
|	Fe	57	7673691.293	34.05	25.5183	1.272	4.984	mg/L
⌊>	Sc-1	45	225399.373	225399.37				mg/L
	Cl	35	25263.212	-735.22				mg/L
	Kr	83	74.001	3.67				mg/L
	Br	81	10604.289	276.29				mg/L
	P	31	82121.155	72459.80				mg/L
	S	34	139217.270	-14309.37				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.158			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.290			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.465			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.710			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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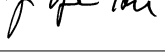

Method 6020 - Summary Report

Sample ID: L1104006603

Sample Date/Time: Monday, April 04, 2011 17:29:46
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22191.275	-0.00				ug/L
|	Be	9	68.667	0.00	0.2209	0.047	21.380	ug/L
|	Al	27	48471133.517	228.40	7316.3199	435.192	5.948	ug/L
⌊>	Sc	45	212485.405	212485.40				ug/L
⌈	Ti	49	17096.313	0.05	30.4016	0.717	2.358	ug/L
|	V	51	256256.595	0.72	28.0397	0.397	1.416	ug/L
|	Cr	52	102367.322	0.27	12.1262	0.162	1.338	ug/L
|	Cr	53	11007.168	0.03	11.7866	0.767	6.505	ug/L
|	Mn	55	1322069.015	3.78	111.5216	1.261	1.130	ug/L
|	Co	59	14469.607	0.04	1.5084	0.020	1.295	ug/L
|	Ni	60	6739.671	0.02	3.3400	0.052	1.562	ug/L
|	Cu	65	12062.391	0.03	5.7448	0.008	0.144	ug/L
|	Zn	66	19148.183	0.05	15.2865	0.489	3.199	ug/L
|>	Ge	72	349837.665	349837.67				ug/L
|	As	75	1465.336	0.00	1.5165	0.062	4.093	ug/L
|	Se	77	99.334	-0.00	0.0852	0.183	214.938	ug/L
|	Se	82	27.421	0.00	0.3245	0.053	16.222	ug/L
⌊	Rb	85	58779.514	0.17				mg/L
	Y	89	232996.302	-30068.50				ug/L
	Rh	103	16.334	-0.33				ug/L
⌈	Mo	98	461.846	0.00	0.1104	0.004	3.744	ug/L
|	Ag	107	144.336	0.00	0.0010	0.002	164.385	ug/L
|	Cd	114	8.100	0.00	0.0110	0.007	63.716	ug/L
|>	In	115	322491.168	322491.17				ug/L
|	Sn	118	186.402	0.00	0.0181	0.002	11.238	ug/L
⌊	Sb	123	74.821	0.00	-0.0021	0.004	169.768	ug/L
⌈	Ba	135	24984.759	0.07	15.7974	0.271	1.718	ug/L
|	Ce	140	135184.459	0.35				ug/L
⌊>	Tb	159	383757.164	383757.16				ug/L
⌈	Ho	165	870.125	0.00				ug/L
|	Tl	203	548.021	0.00	0.0638	0.003	4.934	ug/L
|	Tl	205	1260.205	0.00	0.0524	0.004	7.275	ug/L
|	Pb	206	25070.304	0.07	4.1727	0.048	1.154	ug/L
|	Pb	207	20992.555	0.06	3.7028	0.066	1.774	ug/L
|	Pb	208	99035.345	0.26	3.9314	0.048	1.212	ug/L
|	U	238	24051.803	0.06	0.6029	0.020	3.392	ug/L
⌊>	Bi	209	373131.806	373131.81				ug/L

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⌈	Na	23	75753.712	0.30	0.0085	0.001	11.090	mg/L
|	Mg	24	656056.256	3.09	0.1610	0.009	5.797	mg/L
|	K	39	1840515.743	6.51	0.1664	0.005	3.200	mg/L
|	Ca	43	823.450	0.00	0.0255	0.005	21.084	mg/L
|	Fe	54	9308148.108	43.58	13.6876	0.269	1.966	mg/L
|	Fe	57	3965157.461	18.63	13.9618	0.630	4.510	mg/L
⌊>	Sc-1	45	212485.405	212485.40				mg/L
	Cl	35	15298.360	-10700.07				mg/L
	Kr	83	66.668	-3.67				mg/L
	Br	81	9904.904	-423.10				mg/L
	P	31	56134.461	46473.10				mg/L
	S	34	135634.304	-17892.33				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.193			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.675			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.268			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.478			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006604

Sample Date/Time: Monday, April 04, 2011 17:36:53
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21890.711	-0.01				ug/L
|	Be	9	92.000	0.00	0.2832	0.016	5.825	ug/L
|	Al	27	52006731.231	239.56	7673.6236	361.799	4.715	ug/L
⌊>	Sc	45	217444.410	217444.41				ug/L
⌈	Ti	49	77029.905	0.22	138.7955	2.396	1.726	ug/L
|	V	51	262882.018	0.75	29.1194	0.610	2.094	ug/L
|	Cr	52	74146.631	0.19	8.5350	0.117	1.371	ug/L
|	Cr	53	8070.732	0.02	8.6515	0.330	3.816	ug/L
|	Mn	55	1679822.054	4.86	143.3955	1.530	1.067	ug/L
|	Co	59	27249.016	0.08	2.9087	0.017	0.580	ug/L
|	Ni	60	8693.532	0.02	4.3860	0.105	2.387	ug/L
|	Cu	65	14405.180	0.04	6.9548	0.113	1.630	ug/L
|	Zn	66	27314.194	0.08	22.1729	0.338	1.523	ug/L
|>	Ge	72	345744.626	345744.63				ug/L
|	As	75	941.185	0.00	1.0710	0.043	4.056	ug/L
|	Se	77	110.001	0.00	0.2177	0.233	106.920	ug/L
|	Se	82	28.496	0.00	0.3368	0.070	20.757	ug/L
⌊	Rb	85	67093.343	0.19				mg/L
	Y	89	255050.557	-8014.24				ug/L
	Rh	103	14.333	-2.33				ug/L
⌈	Mo	98	886.441	0.00	0.2642	0.012	4.412	ug/L
|	Ag	107	120.335	0.00	-0.0030	0.002	57.310	ug/L
|	Cd	114	34.219	0.00	0.0324	0.009	28.391	ug/L
|>	In	115	321200.695	321200.69				ug/L
|	Sn	118	246.403	0.00	0.0319	0.002	6.238	ug/L
⌊	Sb	123	84.740	0.00	0.0005	0.002	499.662	ug/L
⌈	Ba	135	30613.433	0.08	19.3288	0.385	1.994	ug/L
|	Ce	140	350863.757	0.91				ug/L
⌊>	Tb	159	384377.008	384377.01				ug/L
⌈	Ho	165	2687.296	0.01				ug/L
|	Tl	203	504.351	0.00	0.0593	0.007	11.941	ug/L
|	Tl	205	1196.858	0.00	0.0502	0.005	9.391	ug/L
|	Pb	206	28286.233	0.08	4.8158	0.126	2.623	ug/L
|	Pb	207	24184.454	0.07	4.3619	0.050	1.135	ug/L
|	Pb	208	112384.246	0.30	4.5626	0.083	1.814	ug/L
|	U	238	21095.105	0.06	0.5390	0.009	1.756	ug/L
⌊>	Bi	209	365529.930	365529.93				ug/L

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⌈	Na	23	192884.908	0.83	0.0276	0.002	7.156	mg/L
|	Mg	24	1665725.872	7.68	0.4045	0.028	7.029	mg/L
|	K	39	3303938.704	13.06	0.3408	0.016	4.700	mg/L
|	Ca	43	1376.899	0.00	0.0533	0.004	7.418	mg/L
|	Fe	54	9065466.065	41.51	13.0397	0.562	4.312	mg/L
|	Fe	57	3887557.829	17.87	13.3936	0.793	5.918	mg/L
⌊>	Sc-1	45	217444.410	217444.41				mg/L
	Cl	35	20461.579	-5536.85				mg/L
	Kr	83	58.001	-12.33				mg/L
	Br	81	10286.625	-41.38				mg/L
	P	31	69598.044	59936.69				mg/L
	S	34	134950.603	-18576.03				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.103			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.324			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.412			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.492			
⌈	Na	23					

Sample ID: L1104006604
Report Date/Time: Monday, April 04, 2011 17:39:06

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006605

Sample Date/Time: Monday, April 04, 2011 17:44:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21773.890	-0.01				ug/L
|	Be	9	101.334	0.00	0.3138	0.005	1.448	ug/L
|	Al	27	33874848.363	158.23	5068.4362	187.104	3.692	ug/L
⌊>	Sc	45	214222.028	214222.03				ug/L
⌈	Ti	49	83751.094	0.24	151.4212	3.438	2.270	ug/L
|	V	51	195159.553	0.56	21.6053	0.147	0.679	ug/L
|	Cr	52	75874.221	0.19	8.8005	0.196	2.222	ug/L
|	Cr	53	8004.017	0.02	8.6083	0.721	8.372	ug/L
|	Mn	55	622429.631	1.81	53.2784	0.073	0.137	ug/L
|	Co	59	17655.749	0.05	1.8781	0.022	1.177	ug/L
|	Ni	60	7326.423	0.02	3.6955	0.025	0.673	ug/L
|	Cu	65	10660.120	0.03	5.1490	0.087	1.693	ug/L
|	Zn	66	35075.089	0.10	28.6432	0.110	0.386	ug/L
|>	Ge	72	344530.359	344530.36				ug/L
|	As	75	207.366	0.00	0.4269	0.032	7.418	ug/L
|	Se	77	99.334	0.00	0.1021	0.111	108.621	ug/L
|	Se	82	7.713	0.00	0.1522	0.121	79.178	ug/L
⌊	Rb	85	62074.701	0.18				mg/L
	Y	89	284350.879	21286.08				ug/L
	Rh	103	15.667	-1.00				ug/L
⌈	Mo	98	490.519	0.00	0.1213	0.015	12.712	ug/L
|	Ag	107	88.001	0.00	-0.0085	0.001	15.088	ug/L
|	Cd	114	169.160	0.00	0.1425	0.014	9.503	ug/L
|>	In	115	321533.871	321533.87				ug/L
|	Sn	118	282.804	0.00	0.0401	0.002	5.065	ug/L
⌊	Sb	123	76.698	0.00	-0.0016	0.002	99.022	ug/L
⌈	Ba	135	37022.445	0.10	23.1510	0.123	0.532	ug/L
|	Ce	140	279616.472	0.72				ug/L
⌊>	Tb	159	388133.134	388133.13				ug/L
⌈	Ho	165	3957.846	0.01				ug/L
|	Tl	203	445.014	0.00	0.0502	0.003	6.612	ug/L
|	Tl	205	1086.835	0.00	0.0432	0.007	16.019	ug/L
|	Pb	206	25232.045	0.07	4.2351	0.054	1.269	ug/L
|	Pb	207	21493.622	0.06	3.8235	0.031	0.819	ug/L
|	Pb	208	100821.147	0.27	4.0366	0.049	1.225	ug/L
|	U	238	14623.502	0.04	0.3668	0.006	1.638	ug/L
⌊>	Bi	209	370058.849	370058.85				ug/L

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Na	23	301628.689	1.35	0.0463	0.001	2.913	mg/L	
Mg	24	1861323.309	8.70	0.4584	0.024	5.271	mg/L	
K	39	3829492.129	15.73	0.4119	0.016	3.809	mg/L	
Ca	43	896.798	0.00	0.0293	0.012	39.350	mg/L	
Fe	54	5898086.150	27.30	8.5737	0.241	2.808	mg/L	
Fe	57	2588191.152	12.04	9.0246	0.327	3.623	mg/L	
> Sc-1	45	214222.028	214222.03				mg/L	
Cl	35	15550.751	-10447.68				mg/L	
Kr	83	71.334	1.00				mg/L	
Br	81	9932.934	-395.07				mg/L	
P	31	84429.724	74768.36				mg/L	
S	34	133145.979	-20380.66				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.780			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		87.415			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		90.286			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.675			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104006605
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Method 6020 - Summary Report

Sample ID: L1104006606

Sample Date/Time: Monday, April 04, 2011 17:51:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22542.074	-0.00				ug/L
|	Be	9	74.667	0.00	0.2426	0.049	20.185	ug/L
|	Al	27	45907028.869	220.68	7068.7575	245.284	3.470	ug/L
⌊>	Sc	45	208162.166	208162.17				ug/L
⌈	Ti	49	70441.142	0.20	127.7216	4.078	3.193	ug/L
|	V	51	215036.223	0.62	23.9118	0.195	0.817	ug/L
|	Cr	52	79615.550	0.20	9.3297	0.140	1.502	ug/L
|	Cr	53	8424.395	0.02	9.1100	0.540	5.923	ug/L
|	Mn	55	1586592.329	4.62	136.3078	0.816	0.598	ug/L
|	Co	59	43615.681	0.13	4.7095	0.014	0.301	ug/L
|	Ni	60	9812.578	0.03	4.9944	0.120	2.398	ug/L
|	Cu	65	9564.001	0.03	4.6272	0.081	1.753	ug/L
|	Zn	66	31341.690	0.09	25.6440	0.191	0.744	ug/L
|>	Ge	72	343509.524	343509.52				ug/L
|	As	75	120.411	0.00	0.3501	0.082	23.457	ug/L
|	Se	77	86.000	-0.00	-0.0442	0.128	289.380	ug/L
|	Se	82	-4.693	-0.00	0.0402	0.214	532.390	ug/L
⌊	Rb	85	43640.790	0.13				mg/L
	Y	89	284502.393	21437.59				ug/L
	Rh	103	16.334	-0.33				ug/L
⌈	Mo	98	537.371	0.00	0.1379	0.009	6.503	ug/L
|	Ag	107	101.002	0.00	-0.0063	0.004	57.331	ug/L
|	Cd	114	309.583	0.00	0.2569	0.007	2.639	ug/L
|>	In	115	321854.046	321854.05				ug/L
|	Sn	118	259.203	0.00	0.0347	0.002	5.874	ug/L
⌊	Sb	123	71.994	0.00	-0.0028	0.002	54.157	ug/L
⌈	Ba	135	40565.852	0.11	25.5219	0.243	0.951	ug/L
|	Ce	140	461529.277	1.20				ug/L
⌊>	Tb	159	385824.594	385824.59				ug/L
⌈	Ho	165	4351.383	0.01				ug/L
|	Tl	203	334.676	0.00	0.0346	0.001	2.409	ug/L
|	Tl	205	856.789	0.00	0.0299	0.004	14.438	ug/L
|	Pb	206	32687.999	0.09	5.4604	0.093	1.701	ug/L
|	Pb	207	27611.685	0.07	4.8850	0.084	1.716	ug/L
|	Pb	208	130533.837	0.35	5.1997	0.079	1.527	ug/L
|	U	238	19722.294	0.05	0.4932	0.006	1.174	ug/L
⌊>	Bi	209	372969.676	372969.68				ug/L

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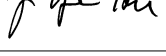

⌈	Na	23	531391.626	2.50	0.0874	0.002	1.743	mg/L
|	Mg	24	1463709.021	7.04	0.3702	0.016	4.198	mg/L
|	K	39	3031025.639	12.41	0.3235	0.011	3.424	mg/L
|	Ca	43	796.778	0.00	0.0250	0.004	16.887	mg/L
|	Fe	54	4783915.282	22.74	7.1395	0.120	1.685	mg/L
|	Fe	57	2026710.378	9.70	7.2664	0.365	5.026	mg/L
⌊>	Sc-1	45	208162.166	208162.17				mg/L
	Cl	35	19398.799	-6599.63				mg/L
	Kr	83	79.668	9.33				mg/L
	Br	81	9640.648	-687.35				mg/L
	P	31	80080.787	70419.43				mg/L
	S	34	128383.271	-25143.37				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.508			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.502			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.749			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.435			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006607

Sample Date/Time: Monday, April 04, 2011 17:58:16
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21673.485	0.01				ug/L
|	Be	9	52.000	0.00	0.1928	0.042	21.728	ug/L
|	Al	27	27169953.600	145.57	4662.9589	142.219	3.050	ug/L
⌊>	Sc	45	186676.515	186676.52				ug/L
⌈	Ti	49	7506.905	0.02	13.5901	0.695	5.111	ug/L
|	V	51	193510.911	0.56	21.5279	0.377	1.751	ug/L
|	Cr	52	95125.289	0.25	11.4291	0.141	1.237	ug/L
|	Cr	53	10146.164	0.03	11.0630	0.465	4.203	ug/L
|	Mn	55	172995.305	0.50	14.8359	0.181	1.222	ug/L
|	Co	59	9406.852	0.03	0.9878	0.033	3.330	ug/L
|	Ni	60	3759.745	0.01	1.8634	0.077	4.114	ug/L
|	Cu	65	8850.337	0.03	4.2854	0.075	1.746	ug/L
|	Zn	66	13718.207	0.04	11.1080	0.141	1.273	ug/L
|>	Ge	72	342858.873	342858.87				ug/L
|	As	75	1221.245	0.00	1.3263	0.047	3.533	ug/L
|	Se	77	107.334	0.00	0.1975	0.057	29.053	ug/L
|	Se	82	15.748	0.00	0.2249	0.065	28.842	ug/L
⌊	Rb	85	48831.760	0.14				mg/L
	Y	89	237029.845	-26034.96				ug/L
	Rh	103	18.000	1.33				ug/L
⌈	Mo	98	212.255	0.00	0.0209	0.001	7.011	ug/L
|	Ag	107	154.669	0.00	0.0027	0.001	44.209	ug/L
|	Cd	114	17.186	0.00	0.0185	0.007	35.317	ug/L
|>	In	115	322077.125	322077.12				ug/L
|	Sn	118	159.468	0.00	0.0120	0.003	22.163	ug/L
⌊	Sb	123	55.991	0.00	-0.0070	0.003	43.631	ug/L
⌈	Ba	135	28782.318	0.07	18.2091	0.053	0.289	ug/L
|	Ce	140	194217.172	0.51				ug/L
⌊>	Tb	159	383547.298	383547.30				ug/L
⌈	Ho	165	1100.171	0.00				ug/L
|	Tl	203	495.684	0.00	0.0572	0.004	7.437	ug/L
|	Tl	205	1120.175	0.00	0.0451	0.004	8.148	ug/L
|	Pb	206	31271.135	0.08	5.2672	0.165	3.126	ug/L
|	Pb	207	27102.951	0.07	4.8374	0.173	3.578	ug/L
|	Pb	208	126142.980	0.34	5.0670	0.129	2.537	ug/L
|	U	238	20053.287	0.05	0.5060	0.012	2.463	ug/L
⌊>	Bi	209	369904.899	369904.90				ug/L

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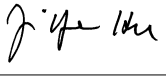

⌈	Na	23	384242.479	2.00	0.0696	0.003	4.390	mg/L
|	Mg	24	412461.468	2.21	0.1142	0.002	1.352	mg/L
|	K	39	1421959.660	5.46	0.1385	0.007	5.044	mg/L
|	Ca	43	776.775	0.00	0.0287	0.008	26.326	mg/L
|	Fe	54	4290734.673	22.74	7.1409	0.201	2.811	mg/L
|	Fe	57	1831260.843	9.76	7.3150	0.121	1.656	mg/L
⌊>	Sc-1	45	186676.515	186676.52				mg/L
	Cl	35	17479.935	-8518.49				mg/L
	Kr	83	67.334	-3.00				mg/L
	Br	81	10170.503	-157.50				mg/L
	P	31	58060.733	48399.37				mg/L
	S	34	126274.441	-27252.20				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.334			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.563			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.219			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.635			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104006607
Report Date/Time: Monday, April 04, 2011 18:00:27
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006608

Sample Date/Time: Monday, April 04, 2011 18:05:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21322.725	-0.01				ug/L
|	Be	9	62.000	0.00	0.2001	0.036	18.083	ug/L
|	Al	27	37808598.972	177.78	5694.8690	208.760	3.666	ug/L
⌊>	Sc	45	212878.160	212878.16				ug/L
⌈	Ti	49	59767.404	0.18	109.4684	2.396	2.189	ug/L
|	V	51	222063.061	0.64	24.9574	0.357	1.431	ug/L
|	Cr	52	53371.917	0.13	5.8923	0.076	1.287	ug/L
|	Cr	53	5278.588	0.01	5.6364	0.172	3.049	ug/L
|	Mn	55	1738845.895	5.11	150.9021	1.518	1.006	ug/L
|	Co	59	25438.574	0.07	2.7587	0.039	1.421	ug/L
|	Ni	60	6679.965	0.02	3.4072	0.125	3.674	ug/L
|	Cu	65	9177.969	0.03	4.4834	0.111	2.481	ug/L
|	Zn	66	22363.540	0.07	18.4149	0.428	2.323	ug/L
|>	Ge	72	340092.930	340092.93				ug/L
|	As	75	504.257	0.00	0.6944	0.024	3.447	ug/L
|	Se	77	97.334	0.00	0.0936	0.146	155.838	ug/L
|	Se	82	10.768	0.00	0.1811	0.125	68.854	ug/L
⌊	Rb	85	41005.313	0.12				mg/L
	Y	89	244404.873	-18659.93				ug/L
	Rh	103	18.000	1.33				ug/L
⌈	Mo	98	188.469	0.00	0.0130	0.004	28.918	ug/L
|	Ag	107	97.001	0.00	-0.0068	0.002	26.645	ug/L
|	Cd	114	110.189	0.00	0.0951	0.005	5.590	ug/L
|>	In	115	318803.591	318803.59				ug/L
|	Sn	118	226.936	0.00	0.0278	0.003	9.709	ug/L
⌊	Sb	123	81.241	0.00	-0.0002	0.004	1645.202	ug/L
⌈	Ba	135	24525.287	0.06	15.7218	0.208	1.321	ug/L
|	Ce	140	520932.892	1.38				ug/L
⌊>	Tb	159	378481.208	378481.21				ug/L
⌈	Ho	165	2007.069	0.01				ug/L
|	Tl	203	368.010	0.00	0.0392	0.002	4.815	ug/L
|	Tl	205	860.123	0.00	0.0302	0.002	8.196	ug/L
|	Pb	206	30881.258	0.08	5.1608	0.123	2.380	ug/L
|	Pb	207	26462.235	0.07	4.6853	0.114	2.430	ug/L
|	Pb	208	124048.567	0.33	4.9439	0.067	1.356	ug/L
|	U	238	16258.371	0.04	0.4058	0.003	0.642	ug/L
⌊>	Bi	209	372592.492	372592.49				ug/L

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Na	23	112665.680	0.47	0.0147	0.001	5.256	mg/L	
Mg	24	1272929.792	5.98	0.3144	0.006	1.961	mg/L	
K	39	2360099.105	8.95	0.2313	0.016	6.836	mg/L	
Ca	43	2824.015	0.01	0.1312	0.011	8.217	mg/L	
Fe	54	6830388.549	31.87	10.0089	0.344	3.437	mg/L	
Fe	57	2910163.537	13.64	10.2214	0.480	4.699	mg/L	
> Sc-1	45	212878.160	212878.16				mg/L	
Cl	35	19392.801	-6605.63				mg/L	
Kr	83	65.001	-5.33				mg/L	
Br	81	9497.842	-830.16				mg/L	
P	31	69867.378	60206.02				mg/L	
S	34	127171.545	-26355.09				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		90.597			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		86.673			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		88.041			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.337			
Na	23					

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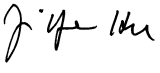

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 18:12:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19168.424	-0.00				ug/L
|	Be	9	14384.340	0.08	50.2630	2.088	4.155	ug/L
|	Al	27	283569.580	1.58	50.6522	4.159	8.212	ug/L
|>	Sc	45	178361.346	178361.35				ug/L
⌈	Ti	49	52945.097	0.15	94.9936	1.144	1.204	ug/L
|	V	51	433374.323	1.24	48.0315	0.702	1.462	ug/L
|	Cr	52	380608.142	1.07	49.0607	0.681	1.387	ug/L
|	Cr	53	44074.655	0.13	48.6165	0.516	1.060	ug/L
|	Mn	55	586691.982	1.69	49.8444	0.891	1.788	ug/L
|	Co	59	469039.874	1.35	50.4872	0.463	0.916	ug/L
|	Ni	60	99726.521	0.29	51.0158	0.432	0.847	ug/L
|	Cu	65	106441.560	0.31	51.5778	0.515	0.998	ug/L
|	Zn	66	64678.139	0.19	52.6307	0.592	1.126	ug/L
|>	Ge	72	347115.190	347115.19				ug/L
|	As	75	55570.387	0.16	48.8782	0.566	1.157	ug/L
|	Se	77	4549.702	0.01	49.3338	0.679	1.376	ug/L
|	Se	82	5553.353	0.02	49.3496	0.634	1.284	ug/L
⌊	Rb	85	2119.579	0.01				mg/L
	Y	89	229827.147	-33237.65				ug/L
	Rh	103	39.667	23.00				ug/L
⌈	Mo	98	282583.426	0.85	98.1361	0.165	0.168	ug/L
|	Ag	107	300295.581	0.90	49.0382	0.450	0.918	ug/L
|	Cd	114	63493.201	0.19	50.0088	0.409	0.817	ug/L
|>	In	115	333254.747	333254.75				ug/L
|	Sn	118	226666.385	0.68	49.7320	0.663	1.333	ug/L
⌊	Sb	123	196240.171	0.59	48.8544	0.306	0.626	ug/L
⌈	Ba	135	79882.605	0.20	49.4059	0.401	0.812	ug/L
|	Ce	140	56.673	0.00				ug/L
|>	Tb	159	392608.373	392608.37				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	350289.858	0.97	49.1952	0.429	0.872	ug/L
|	Tl	205	866804.431	2.39	49.6426	0.585	1.179	ug/L
|	Pb	206	283493.640	0.78	49.1286	0.152	0.310	ug/L
|	Pb	207	268064.705	0.74	49.1270	0.485	0.988	ug/L
|	Pb	208	1194607.779	3.29	49.3257	0.477	0.967	ug/L
|	U	238	2035243.149	5.61	53.0222	0.444	0.837	ug/L
|>	Bi	209	362806.944	362806.94				ug/L

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Na	23	22753558.515	127.69	4.5877	0.289	6.301	mg/L
Mg	24	15815786.085	88.75	4.7051	0.178	3.774	mg/L
K	39	32302055.809	179.14	4.7627	0.203	4.269	mg/L
Ca	43	78830.688	0.44	4.9508	0.196	3.963	mg/L
Fe	54	2762080.453	15.25	4.7878	0.192	4.019	mg/L
Fe	57	1177543.262	6.56	4.9165	0.252	5.131	mg/L
> Sc-1	45	178361.346	178361.35				mg/L
Cl	35	15000.576	-10997.85				mg/L
Kr	83	71.001	0.67				mg/L
Br	81	10272.610	-55.39				mg/L
P	31	8939.389	-721.97				mg/L
S	34	149420.827	-4105.81				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	96.063				
Cr	52	98.121				
Cr	53					
Mn	55	99.689				
Co	59	100.974				
Ni	60	102.032				
Cu	65	103.156				
Zn	66	105.261				
> Ge	72		92.468			
As	75	97.756				
Se	77					
Se	82	98.699				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.076				
Cd	114	100.018				
> In	115		90.602			
Sn	118					
Sb	123	97.709				
Ba	135	98.812				
Ce	140					
> Tb	159		91.327			
Ho	165					
Tl	203	98.390				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.651				
U	238	106.044				
> Bi	209		94.781			
Na	23					

Sample ID: QC Std 6
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 18:14:43

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 18:19:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20320.628	0.01				ug/L
|	Be	9	12.000	0.00	0.0622	0.007	10.503	ug/L
|	Al	27	2883.762	0.01	0.1555	0.110	70.787	ug/L
⌊>	Sc	45	174102.716	174102.72				ug/L
⌈	Ti	49	46.671	0.00	0.0257	0.027	104.369	ug/L
|	V	51	3267.693	0.00	0.0084	0.002	25.341	ug/L
|	Cr	52	10472.586	0.00	0.0109	0.016	146.848	ug/L
|	Cr	53	260.030	-0.00	-0.0725	0.086	118.440	ug/L
|	Mn	55	334.342	-0.00	-0.0353	0.001	3.696	ug/L
|	Co	59	105.668	-0.00	-0.0273	0.002	6.843	ug/L
|	Ni	60	43.334	-0.00	-0.0657	0.003	4.049	ug/L
|	Cu	65	82.001	0.00	-0.0233	0.006	27.169	ug/L
|	Zn	66	184.337	0.00	-0.1024	0.013	12.919	ug/L
|>	Ge	72	362024.067	362024.07				ug/L
|	As	75	-277.683	-0.00	0.0108	0.035	320.109	ug/L
|	Se	77	95.334	-0.00	0.0069	0.218	3138.666	ug/L
|	Se	82	-9.600	-0.00	0.0012	0.070	5730.696	ug/L
⌊	Rb	85	25.000	0.00				mg/L
	Y	89	241451.146	-21613.66				ug/L
	Rh	103	12.333	-4.33				ug/L
⌈	Mo	98	375.769	0.00	0.0715	0.014	19.648	ug/L
|	Ag	107	43.001	0.00	-0.0166	0.001	7.173	ug/L
|	Cd	114	2.683	0.00	0.0065	0.003	41.855	ug/L
|>	In	115	343072.766	343072.77				ug/L
|	Sn	118	240.936	0.00	0.0272	0.005	19.279	ug/L
⌊	Sb	123	80.241	0.00	-0.0020	0.001	63.262	ug/L
⌈	Ba	135	20.000	-0.00	-0.0077	0.001	15.214	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	405858.251	405858.25				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	47.001	0.00	-0.0048	0.001	13.903	ug/L
|	Tl	205	96.677	0.00	-0.0125	0.002	14.854	ug/L
|	Pb	206	317.342	-0.00	-0.0045	0.002	43.551	ug/L
|	Pb	207	301.674	0.00	0.0109	0.003	25.185	ug/L
|	Pb	208	1304.713	0.00	0.0024	0.002	88.547	ug/L
|	U	238	155.003	0.00	-0.0028	0.001	35.836	ug/L
⌊>	Bi	209	379252.383	379252.38				ug/L

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Na	23	11380.949	0.01	-0.0020	0.000	5.764	mg/L
Mg	24	940.142	0.00	-0.0027	0.000	3.865	mg/L
K	39	364654.007	-0.06	-0.0086	0.001	15.356	mg/L
Ca	43	213.357	-0.00	-0.0043	0.003	80.175	mg/L
Fe	54	45567.247	0.01	-0.0006	0.000	64.741	mg/L
Fe	57	8507.806	-0.00	-0.0010	0.002	207.295	mg/L
> Sc-1	45	174102.716	174102.72				mg/L
Cl	35	13157.992	-12840.44				mg/L
Kr	83	69.001	-1.33				mg/L
Br	81	11022.743	694.74				mg/L
P	31	9232.275	-429.08				mg/L
S	34	137745.647	-15780.99				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.440			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		93.271			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.409			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.077			
Na	23					

Sample ID: QC Std 7
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 18:21:47

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103101401

Sample Date/Time: Monday, April 04, 2011 18:26:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 24
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20921.901	0.00				ug/L
|	Be	9	13.333	0.00	0.0635	0.008	12.276	ug/L
|	Al	27	115159.740	0.60	19.2570	0.385	1.998	ug/L
⌊>	Sc	45	187986.067	187986.07				ug/L
⌈	Ti	49	173.352	0.00	0.2530	0.073	28.901	ug/L
|	V	51	4292.156	0.00	0.1323	0.013	10.167	ug/L
|	Cr	52	13897.456	0.01	0.4999	0.008	1.665	ug/L
|	Cr	53	500.063	0.00	0.1994	0.047	23.633	ug/L
|	Mn	55	151753.638	0.43	12.6958	0.108	0.850	ug/L
|	Co	59	806.374	0.00	0.0477	0.006	12.803	ug/L
|	Ni	60	1553.136	0.00	0.6996	0.033	4.669	ug/L
|	Cu	65	7714.719	0.02	3.6378	0.048	1.329	ug/L
|	Zn	66	40424.617	0.11	32.4180	0.429	1.323	ug/L
|>	Ge	72	351199.522	351199.52				ug/L
|	As	75	-87.852	0.00	0.1680	0.018	10.568	ug/L
|	Se	77	102.001	0.00	0.1101	0.038	34.506	ug/L
|	Se	82	23.142	0.00	0.2860	0.154	53.916	ug/L
⌊	Rb	85	31863.669	0.09				mg/L
	Y	89	235896.735	-27168.07				ug/L
	Rh	103	19.000	2.33				ug/L
⌈	Mo	98	899.803	0.00	0.2512	0.013	5.364	ug/L
|	Ag	107	77.001	0.00	-0.0111	0.001	8.385	ug/L
|	Cd	114	50.172	0.00	0.0432	0.007	17.098	ug/L
|>	In	115	339791.717	339791.72				ug/L
|	Sn	118	2333.072	0.01	0.4780	0.006	1.253	ug/L
⌊	Sb	123	145.077	0.00	0.0140	0.006	39.676	ug/L
⌈	Ba	135	7102.926	0.02	4.2765	0.068	1.600	ug/L
|	Ce	140	380.045	0.00				ug/L
⌊>	Tb	159	401629.391	401629.39				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	26.667	-0.00	-0.0079	0.001	11.353	ug/L
|	Tl	205	60.006	-0.00	-0.0149	0.001	5.622	ug/L
|	Pb	206	1344.771	0.00	0.1423	0.002	1.224	ug/L
|	Pb	207	1128.408	0.00	0.1350	0.006	4.335	ug/L
|	Pb	208	5225.585	0.01	0.1355	0.004	2.632	ug/L
|	U	238	451.681	0.00	0.0034	0.001	16.860	ug/L
⌊>	Bi	209	424337.443	424337.44				ug/L

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Na	23	29350661.048	156.26	5.6147	0.253	4.513	mg/L	
Mg	24	4321689.966	23.02	1.2179	0.048	3.948	mg/L	
K	39	27305846.297	143.26	3.8075	0.148	3.898	mg/L	
Ca	43	111330.713	0.59	6.6423	0.295	4.440	mg/L	
Fe	54	281558.701	1.25	0.3882	0.016	4.219	mg/L	
Fe	57	104770.232	0.51	0.3803	0.014	3.581	mg/L	
> Sc-1	45	187986.067	187986.07				mg/L	
Cl	35	177672.135	151673.71				mg/L	
Kr	83	60.334	-10.00				mg/L	
Br	81	12865.607	2537.61				mg/L	
P	31	625777.944	616116.58				mg/L	
S	34	182974.082	29447.44				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.556			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.379			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.426			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		110.855			
Na	23					

Sample ID: L1103101401
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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103101401
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103101402

Sample Date/Time: Monday, April 04, 2011 18:33:46
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 25
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20654.762	0.01				ug/L
|	Be	9	8.000	0.00	0.0474	0.008	16.313	ug/L
|	Al	27	41202.096	0.22	7.0392	1.054	14.968	ug/L
⌊>	Sc	45	178547.609	178547.61				ug/L
⌈	Ti	49	1270.346	0.00	2.2144	3.636	164.199	ug/L
|	V	51	4193.057	0.00	0.1248	0.019	14.955	ug/L
|	Cr	52	19488.502	0.03	1.2510	0.029	2.295	ug/L
|	Cr	53	1393.570	0.00	1.1921	0.118	9.930	ug/L
|	Mn	55	149980.154	0.43	12.6442	0.080	0.636	ug/L
|	Co	59	686.697	0.00	0.0355	0.004	10.350	ug/L
|	Ni	60	2712.062	0.01	1.2973	0.015	1.153	ug/L
|	Cu	65	2974.806	0.01	1.3762	0.044	3.212	ug/L
|	Zn	66	23960.578	0.07	19.2634	0.101	0.527	ug/L
|>	Ge	72	348503.254	348503.25				ug/L
|	As	75	-176.274	0.00	0.0904	0.020	22.279	ug/L
|	Se	77	98.000	-0.00	0.0752	0.138	183.364	ug/L
|	Se	82	11.484	0.00	0.1848	0.048	25.757	ug/L
⌊	Rb	85	30800.670	0.09				mg/L
	Y	89	234193.782	-28871.02				ug/L
	Rh	103	19.334	2.67				ug/L
⌈	Mo	98	417.990	0.00	0.0886	0.009	10.497	ug/L
|	Ag	107	42.667	0.00	-0.0165	0.001	7.742	ug/L
|	Cd	114	8.316	0.00	0.0109	0.007	67.190	ug/L
|>	In	115	336181.018	336181.02				ug/L
|	Sn	118	974.047	0.00	0.1877	0.001	0.611	ug/L
⌊	Sb	123	79.658	0.00	-0.0017	0.003	189.557	ug/L
⌈	Ba	135	4972.953	0.01	3.0216	0.026	0.850	ug/L
|	Ce	140	93.343	0.00				ug/L
⌊>	Tb	159	397224.117	397224.12				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	23.334	-0.00	-0.0081	0.000	2.349	ug/L
|	Tl	205	83.342	0.00	-0.0134	0.000	2.568	ug/L
|	Pb	206	717.366	0.00	0.0592	0.006	9.306	ug/L
|	Pb	207	563.021	0.00	0.0546	0.001	1.610	ug/L
|	Pb	208	2748.844	0.00	0.0571	0.001	2.624	ug/L
|	U	238	237.339	0.00	-0.0009	0.000	35.723	ug/L
⌊>	Bi	209	387737.108	387737.11				ug/L

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⌈	Na	23	30889857.344	172.99	6.2158	0.061	0.975	mg/L
|	Mg	24	4086126.337	22.90	1.2120	0.049	4.031	mg/L
|	K	39	27129417.649	150.00	3.9868	0.260	6.519	mg/L
|	Ca	43	105163.937	0.59	6.6035	0.289	4.383	mg/L
|	Fe	54	176311.431	0.74	0.2277	0.015	6.383	mg/L
|	Fe	57	58107.706	0.28	0.2064	0.013	6.212	mg/L
⌊>	Sc-1	45	178547.609	178547.61				mg/L
	Cl	35	177114.833	151116.40				mg/L
	Kr	83	59.334	-11.00				mg/L
	Br	81	13605.252	3277.25				mg/L
	P	31	544997.106	535335.75				mg/L
	S	34	167117.303	13590.67				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.838			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.397			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.401			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.293			
⌈	Na	23					

Sample ID: L1103101402
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103101402
Report Date/Time: Monday, April 04, 2011 18:35:58
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Method 6020 - Summary Report

Sample ID: L1103103601

Sample Date/Time: Monday, April 04, 2011 18:40:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 26
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22759.221	0.01				ug/L
|	Be	9	50.667	0.00	0.1817	0.033	18.129	ug/L
|	Al	27	8571236.461	44.26	1417.6309	10.372	0.732	ug/L
⌊>	Sc	45	193640.913	193640.91				ug/L
⌈	Ti	49	16802.462	0.05	30.7625	1.135	3.691	ug/L
|	V	51	32150.558	0.09	3.3253	0.104	3.115	ug/L
|	Cr	52	38481.974	0.09	3.8861	0.164	4.207	ug/L
|	Cr	53	3307.544	0.01	3.4040	0.037	1.083	ug/L
|	Mn	55	1226413.920	3.61	106.5125	1.523	1.430	ug/L
|	Co	59	14244.618	0.04	1.5296	0.050	3.258	ug/L
|	Ni	60	8169.084	0.02	4.1897	0.037	0.881	ug/L
|	Cu	65	12071.069	0.04	5.9213	0.083	1.400	ug/L
|	Zn	66	40260.287	0.12	33.3799	0.598	1.791	ug/L
|>	Ge	72	339791.503	339791.50				ug/L
|	As	75	477.956	0.00	0.6713	0.036	5.340	ug/L
|	Se	77	112.001	0.00	0.2618	0.195	74.420	ug/L
|	Se	82	49.253	0.00	0.5298	0.102	19.198	ug/L
⌊	Rb	85	38870.128	0.11				mg/L
	Y	89	241170.780	-21894.02				ug/L
	Rh	103	32.334	15.67				ug/L
⌈	Mo	98	480.587	0.00	0.1145	0.006	5.512	ug/L
|	Ag	107	93.001	0.00	-0.0080	0.000	0.908	ug/L
|	Cd	114	53.336	0.00	0.0471	0.007	14.889	ug/L
|>	In	115	327647.432	327647.43				ug/L
|	Sn	118	1038.054	0.00	0.2075	0.006	2.854	ug/L
⌊	Sb	123	408.294	0.00	0.0820	0.002	2.661	ug/L
⌈	Ba	135	34861.011	0.09	21.2241	0.227	1.070	ug/L
|	Ce	140	93645.789	0.23				ug/L
⌊>	Tb	159	398628.946	398628.95				ug/L
⌈	Ho	165	1416.909	0.00				ug/L
|	Tl	203	234.005	0.00	0.0213	0.002	11.276	ug/L
|	Tl	205	506.731	0.00	0.0109	0.007	65.455	ug/L
|	Pb	206	12072.405	0.03	2.0102	0.041	2.021	ug/L
|	Pb	207	10144.244	0.03	1.7947	0.028	1.543	ug/L
|	Pb	208	47852.394	0.13	1.9031	0.023	1.211	ug/L
|	U	238	12807.325	0.03	0.3226	0.002	0.482	ug/L
⌊>	Bi	209	367619.705	367619.70				ug/L

Sample ID: L1103103601
Report Date/Time: Monday, April 04, 2011 18:43:04
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Na	23	65145270.768	336.43	12.0910	0.259	2.142	mg/L	
Mg	24	26166143.732	135.17	7.1674	0.143	2.001	mg/L	
K	39	5509223.622	26.30	0.6934	0.023	3.265	mg/L	
Ca	43	178391.467	0.92	10.3336	0.283	2.737	mg/L	
Fe	54	1948773.530	9.82	3.0810	0.104	3.385	mg/L	
Fe	57	798116.235	4.07	3.0532	0.123	4.021	mg/L	
> Sc-1	45	193640.913	193640.91				mg/L	
Cl	35	36992.967	10994.54				mg/L	
Kr	83	47.667	-22.67				mg/L	
Br	81	15830.533	5502.53				mg/L	
P	31	48014.414	38353.05				mg/L	
S	34	412386.634	258860.00				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		90.517			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.077			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		92.728			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.038			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103103602

Sample Date/Time: Monday, April 04, 2011 18:47:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 27
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21840.512	-0.00				ug/L
|	Be	9	44.667	0.00	0.1569	0.022	13.891	ug/L
|	Al	27	7272635.908	36.09	1156.0771	54.163	4.685	ug/L
|>	Sc	45	201786.451	201786.45				ug/L
⌈	Ti	49	12081.852	0.04	21.9567	1.425	6.489	ug/L
|	V	51	28499.423	0.08	2.8862	0.083	2.886	ug/L
|	Cr	52	29993.229	0.06	2.7096	0.097	3.569	ug/L
|	Cr	53	2290.492	0.01	2.2320	0.107	4.815	ug/L
|	Mn	55	506495.207	1.48	43.6505	0.755	1.729	ug/L
|	Co	59	29000.616	0.08	3.1315	0.043	1.374	ug/L
|	Ni	60	7540.251	0.02	3.8333	0.052	1.351	ug/L
|	Cu	65	17106.126	0.05	8.3579	0.103	1.238	ug/L
|	Zn	66	35666.180	0.10	29.3366	0.188	0.642	ug/L
|>	Ge	72	342127.262	342127.26				ug/L
|	As	75	2697.002	0.01	2.6383	0.109	4.150	ug/L
|	Se	77	142.001	0.00	0.5882	0.220	37.365	ug/L
|	Se	82	83.828	0.00	0.8367	0.325	38.898	ug/L
⌊	Rb	85	37533.684	0.11				mg/L
	Y	89	241488.290	-21576.51				ug/L
	Rh	103	139.669	123.00				ug/L
⌈	Mo	98	7810.251	0.02	2.7237	0.022	0.821	ug/L
|	Ag	107	129.335	0.00	-0.0018	0.002	138.817	ug/L
|	Cd	114	78.888	0.00	0.0681	0.019	27.629	ug/L
|>	In	115	325437.243	325437.24				ug/L
|	Sn	118	1360.893	0.00	0.2817	0.008	2.663	ug/L
⌊	Sb	123	562.180	0.00	0.1220	0.002	1.841	ug/L
⌈	Ba	135	200754.210	0.51	123.2547	2.330	1.890	ug/L
|	Ce	140	133326.411	0.34				ug/L
|>	Tb	159	395637.649	395637.65				ug/L
⌈	Ho	165	1000.150	0.00				ug/L
|	Tl	203	223.338	0.00	0.0208	0.001	3.911	ug/L
|	Tl	205	580.075	0.00	0.0160	0.004	24.682	ug/L
|	Pb	206	18980.519	0.05	3.2948	0.034	1.022	ug/L
|	Pb	207	15836.355	0.04	2.9146	0.023	0.798	ug/L
|	Pb	208	74862.636	0.21	3.1002	0.023	0.729	ug/L
|	U	238	26081.230	0.07	0.6850	0.008	1.189	ug/L
|>	Bi	209	356466.112	356466.11				ug/L

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⌈	Na	23	132896709.726	660.24	23.7305	1.614	6.801	mg/L
|	Mg	24	19093070.578	94.85	5.0284	0.330	6.557	mg/L
|	K	39	7057877.802	32.90	0.8690	0.055	6.359	mg/L
|	Ca	43	220541.784	1.09	12.2734	0.461	3.757	mg/L
|	Fe	54	1395938.201	6.69	2.0964	0.149	7.084	mg/L
|	Fe	57	548765.651	2.68	2.0055	0.132	6.582	mg/L
⌊>	Sc-1	45	201786.451	201786.45				mg/L
	Cl	35	78056.792	52058.36				mg/L
	Kr	83	58.334	-12.00				mg/L
	Br	81	39602.283	29274.28				mg/L
	P	31	43365.906	33704.55				mg/L
	S	34	213321.992	59795.35				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.139			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.476			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.032			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.124			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103103603

Sample Date/Time: Monday, April 04, 2011 18:55:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 28
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21790.395	0.01				ug/L
|	Be	9	12.667	0.00	0.0610	0.016	25.498	ug/L
|	Al	27	1933801.013	10.27	328.8192	11.472	3.489	ug/L
⌊>	Sc	45	188222.209	188222.21				ug/L
⌈	Ti	49	4671.561	0.01	8.4410	0.608	7.206	ug/L
|	V	51	10327.688	0.02	0.8263	0.028	3.406	ug/L
|	Cr	52	20870.299	0.03	1.4794	0.017	1.149	ug/L
|	Cr	53	1280.210	0.00	1.0907	0.090	8.227	ug/L
|	Mn	55	169702.185	0.49	14.5571	0.128	0.881	ug/L
|	Co	59	4918.259	0.01	0.4985	0.014	2.720	ug/L
|	Ni	60	4418.020	0.01	2.2062	0.056	2.517	ug/L
|	Cu	65	4675.140	0.01	2.2354	0.030	1.353	ug/L
|	Zn	66	31510.549	0.09	25.8444	0.353	1.367	ug/L
|>	Ge	72	342746.571	342746.57				ug/L
|	As	75	4.084	0.00	0.2477	0.072	29.068	ug/L
|	Se	77	242.003	0.00	1.7077	0.166	9.743	ug/L
|	Se	82	181.810	0.00	1.7166	0.152	8.841	ug/L
⌊	Rb	85	12706.863	0.04				mg/L
	Y	89	231133.560	-31931.24				ug/L
	Rh	103	89.001	72.33				ug/L
⌈	Mo	98	309.021	0.00	0.0534	0.007	12.805	ug/L
|	Ag	107	55.001	0.00	-0.0143	0.001	4.529	ug/L
|	Cd	114	44.522	0.00	0.0399	0.007	16.982	ug/L
|>	In	115	328831.606	328831.61				ug/L
|	Sn	118	671.756	0.00	0.1252	0.005	3.630	ug/L
⌊	Sb	123	456.588	0.00	0.0938	0.005	5.614	ug/L
⌈	Ba	135	53434.923	0.13	32.2047	0.316	0.980	ug/L
|	Ce	140	21859.388	0.05				ug/L
⌊>	Tb	159	402814.908	402814.91				ug/L
⌈	Ho	165	350.041	0.00				ug/L
|	Tl	203	83.335	0.00	0.0003	0.001	364.581	ug/L
|	Tl	205	176.686	0.00	-0.0080	0.002	31.268	ug/L
|	Pb	206	3979.165	0.01	0.6165	0.022	3.556	ug/L
|	Pb	207	3394.610	0.01	0.5656	0.012	2.152	ug/L
|	Pb	208	15892.488	0.04	0.5918	0.014	2.311	ug/L
|	U	238	1574.140	0.00	0.0333	0.002	6.235	ug/L
⌊>	Bi	209	371820.060	371820.06				ug/L

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Na	23	43355305.292	230.35	8.2777	0.137	1.651	mg/L	
Mg	24	11320505.538	60.16	3.1885	0.066	2.083	mg/L	
K	39	3838128.156	18.24	0.4787	0.011	2.201	mg/L	
Ca	43	124188.757	0.66	7.3952	0.176	2.376	mg/L	
Fe	54	499331.519	2.41	0.7511	0.024	3.186	mg/L	
Fe	57	176450.751	0.89	0.6653	0.025	3.715	mg/L	
> Sc-1	45	188222.209	188222.21				mg/L	
Cl	35	45893.748	19895.32				mg/L	
Kr	83	60.667	-9.67				mg/L	
Br	81	17471.918	7143.92				mg/L	
P	31	24140.530	14479.17				mg/L	
S	34	351745.799	198219.16				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.304			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.399			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.701			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.135			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104101

Sample Date/Time: Monday, April 04, 2011 19:02:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 29
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22508.667	0.01				ug/L
|	Be	9	11.333	0.00	0.0574	0.008	14.087	ug/L
|	Al	27	1192704.708	6.43	205.8270	16.465	7.999	ug/L
⌊>	Sc	45	185556.619	185556.62				ug/L
⌈	Ti	49	6723.038	0.02	12.3873	3.207	25.889	ug/L
|	V	51	9325.721	0.02	0.7332	0.017	2.362	ug/L
|	Cr	52	20130.777	0.03	1.4324	0.033	2.307	ug/L
|	Cr	53	2233.808	0.01	2.2117	0.231	10.460	ug/L
|	Mn	55	229577.073	0.68	20.0964	0.303	1.506	ug/L
|	Co	59	2821.093	0.01	0.2755	0.006	2.297	ug/L
|	Ni	60	2347.299	0.01	1.1547	0.039	3.399	ug/L
|	Cu	65	1051.399	0.00	0.4652	0.020	4.237	ug/L
|	Zn	66	3215.216	0.01	2.4663	0.049	1.975	ug/L
|>	Ge	72	336273.019	336273.02				ug/L
|	As	75	-28.189	0.00	0.2184	0.016	7.262	ug/L
|	Se	77	165.335	0.00	0.8825	0.115	12.975	ug/L
|	Se	82	21.229	0.00	0.2782	0.117	42.079	ug/L
⌊	Rb	85	5921.145	0.02				mg/L
	Y	89	224852.529	-38212.27				ug/L
	Rh	103	45.667	29.00				ug/L
⌈	Mo	98	115.577	0.00	-0.0139	0.005	37.205	ug/L
|	Ag	107	48.667	0.00	-0.0152	0.002	10.859	ug/L
|	Cd	114	19.569	0.00	0.0203	0.004	18.667	ug/L
|>	In	115	322624.489	322624.49				ug/L
|	Sn	118	232.269	0.00	0.0285	0.002	8.479	ug/L
⌊	Sb	123	147.578	0.00	0.0165	0.002	11.914	ug/L
⌈	Ba	135	9663.097	0.02	5.9555	0.093	1.560	ug/L
|	Ce	140	29386.095	0.07				ug/L
⌊>	Tb	159	392852.249	392852.25				ug/L
⌈	Ho	165	510.064	0.00				ug/L
|	Tl	203	51.001	0.00	-0.0039	0.001	34.542	ug/L
|	Tl	205	96.677	0.00	-0.0123	0.001	11.572	ug/L
|	Pb	206	1741.502	0.00	0.2473	0.003	1.075	ug/L
|	Pb	207	1521.464	0.00	0.2392	0.003	1.431	ug/L
|	Pb	208	6970.024	0.02	0.2411	0.000	0.136	ug/L
|	U	238	2885.779	0.01	0.0690	0.002	2.990	ug/L
⌊>	Bi	209	360065.919	360065.92				ug/L

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⌈	Na	23	318806351.920	1718.46	61.7695	1.196	1.936	mg/L
|	Mg	24	27376456.449	147.57	7.8254	0.154	1.963	mg/L
|	K	39	4198840.821	20.49	0.5387	0.031	5.763	mg/L
|	Ca	43	410944.316	2.21	24.8706	0.794	3.194	mg/L
|	Fe	54	314434.173	1.45	0.4499	0.020	4.435	mg/L
|	Fe	57	112113.583	0.56	0.4155	0.027	6.548	mg/L
⌊>	Sc-1	45	185556.619	185556.62				mg/L
	Cl	35	1606013.048	1580014.62				mg/L
	Kr	83	50.334	-20.00				mg/L
	Br	81	23379.329	13051.33				mg/L
	P	31	26491.131	16829.77				mg/L
	S	34	256570.588	103043.95				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		89.580			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.711			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.384			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.064			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104103

Sample Date/Time: Monday, April 04, 2011 19:09:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 30
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23277.095	0.02				ug/L
|	Be	9	6.000	-0.00	0.0395	0.006	16.239	ug/L
|	Al	27	22040.932	0.11	3.4671	0.185	5.331	ug/L
⌊>	Sc	45	183995.427	183995.43				ug/L
⌈	Ti	49	53.339	0.00	0.0410	0.028	68.293	ug/L
|	V	51	3720.865	0.00	0.0735	0.006	8.021	ug/L
|	Cr	52	12623.756	0.01	0.3507	0.029	8.406	ug/L
|	Cr	53	520.066	0.00	0.2273	0.018	8.118	ug/L
|	Mn	55	1333.769	0.00	0.0507	0.002	3.807	ug/L
|	Co	59	114.335	0.00	-0.0259	0.001	2.722	ug/L
|	Ni	60	154.003	0.00	-0.0082	0.007	83.490	ug/L
|	Cu	65	230.672	0.00	0.0504	0.002	3.132	ug/L
|	Zn	66	2444.323	0.01	1.7487	0.029	1.640	ug/L
|>	Ge	72	347563.160	347563.16				ug/L
|	As	75	-161.645	0.00	0.1029	0.062	59.989	ug/L
|	Se	77	100.667	0.00	0.1074	0.056	51.944	ug/L
|	Se	82	11.887	0.00	0.1895	0.214	112.857	ug/L
⌊	Rb	85	204.004	0.00				mg/L
	Y	89	229966.926	-33097.88				ug/L
	Rh	103	13.000	-3.67				ug/L
⌈	Mo	98	33.461	0.00	-0.0440	0.002	4.183	ug/L
|	Ag	107	25.334	-0.00	-0.0194	0.001	3.848	ug/L
|	Cd	114	7.725	0.00	0.0104	0.002	22.196	ug/L
|>	In	115	339195.329	339195.33				ug/L
|	Sn	118	202.402	0.00	0.0195	0.001	4.597	ug/L
⌊	Sb	123	69.619	0.00	-0.0044	0.001	30.788	ug/L
⌈	Ba	135	146.669	0.00	0.0670	0.004	5.671	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	411090.641	411090.64				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	22.667	-0.00	-0.0082	0.000	3.053	ug/L
|	Tl	205	20.002	-0.00	-0.0168	0.001	5.467	ug/L
|	Pb	206	359.010	0.00	0.0002	0.002	1284.424	ug/L
|	Pb	207	306.341	0.00	0.0097	0.002	23.850	ug/L
|	Pb	208	1413.720	0.00	0.0046	0.000	8.388	ug/L
|	U	238	38.334	0.00	-0.0058	0.000	1.742	ug/L
⌊>	Bi	209	393884.508	393884.51				ug/L

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⌈	Na	23	1574041.490	8.51	0.3035	0.016	5.230	mg/L
|	Mg	24	10049.386	0.05	-0.0001	0.000	161.756	mg/L
|	K	39	400437.436	0.02	-0.0064	0.001	22.723	mg/L
|	Ca	43	636.751	0.00	0.0209	0.005	22.890	mg/L
|	Fe	54	96675.451	0.28	0.0824	0.009	11.442	mg/L
|	Fe	57	8090.752	-0.01	-0.0047	0.001	27.021	mg/L
⌊>	Sc-1	45	183995.427	183995.43				mg/L
	Cl	35	19111.581	-6886.85				mg/L
	Kr	83	51.334	-19.00				mg/L
	Br	81	10951.328	623.33				mg/L
	P	31	20833.858	11172.50				mg/L
	S	34	166074.481	12547.84				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.587			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.217			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.626			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.899			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1104003436

Sample Date/Time: Monday, April 04, 2011 19:16:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 31
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22775.980	0.02				ug/L
|	Be	9	6.667	-0.00	0.0425	0.018	41.343	ug/L
|	Al	27	16213.158	0.08	2.4896	0.121	4.852	ug/L
⌊>	Sc	45	181313.454	181313.45				ug/L
⌈	Ti	49	63.340	0.00	0.0617	0.070	113.177	ug/L
|	V	51	3308.622	0.00	0.0360	0.012	33.865	ug/L
|	Cr	52	12529.304	0.01	0.3758	0.037	9.770	ug/L
|	Cr	53	463.391	0.00	0.1762	0.147	83.593	ug/L
|	Mn	55	3075.837	0.01	0.2047	0.008	3.816	ug/L
|	Co	59	113.335	0.00	-0.0257	0.001	4.793	ug/L
|	Ni	60	364.344	0.00	0.1036	0.010	9.607	ug/L
|	Cu	65	204.004	0.00	0.0397	0.009	22.125	ug/L
|	Zn	66	3800.760	0.01	2.9269	0.038	1.309	ug/L
|>	Ge	72	339855.236	339855.24				ug/L
|	As	75	-215.499	-0.00	0.0513	0.028	55.375	ug/L
|	Se	77	90.000	-0.00	0.0134	0.173	1290.769	ug/L
|	Se	82	9.180	0.00	0.1660	0.050	30.088	ug/L
⌊	Rb	85	46.001	0.00				mg/L
	Y	89	229214.547	-33850.25				ug/L
	Rh	103	10.000	-6.67				ug/L
⌈	Mo	98	35.347	0.00	-0.0431	0.002	4.765	ug/L
|	Ag	107	33.667	0.00	-0.0179	0.001	5.247	ug/L
|	Cd	114	2.856	0.00	0.0067	0.007	100.312	ug/L
|>	In	115	331385.055	331385.05				ug/L
|	Sn	118	142.801	0.00	0.0073	0.001	14.417	ug/L
⌊	Sb	123	49.868	0.00	-0.0089	0.001	12.394	ug/L
⌈	Ba	135	162.003	0.00	0.0795	0.013	16.665	ug/L
|	Ce	140	120.013	0.00				ug/L
⌊>	Tb	159	396958.493	396958.49				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	26.000	-0.00	-0.0076	0.001	6.968	ug/L
|	Tl	205	46.671	-0.00	-0.0153	0.002	10.733	ug/L
|	Pb	206	432.014	0.00	0.0152	0.003	22.888	ug/L
|	Pb	207	374.011	0.00	0.0242	0.005	20.871	ug/L
|	Pb	208	1763.413	0.00	0.0212	0.003	15.965	ug/L
|	U	238	57.667	0.00	-0.0053	0.000	3.050	ug/L
⌊>	Bi	209	375944.542	375944.54				ug/L

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Na	23	110201.698	0.55	0.0175	0.000	2.626	mg/L
Mg	24	20493.028	0.11	0.0030	0.000	9.703	mg/L
K	39	374217.360	-0.09	-0.0094	0.001	13.518	mg/L
Ca	43	453.389	0.00	0.0101	0.002	17.992	mg/L
Fe	54	106155.014	0.34	0.1013	0.011	11.091	mg/L
Fe	57	10456.520	0.01	0.0056	0.002	33.650	mg/L
Sc-1	45	181313.454	181313.45				mg/L
Cl	35	18189.868	-7808.56				mg/L
Kr	83	56.001	-14.33				mg/L
Br	81	10918.627	590.63				mg/L
P	31	22538.195	12876.84				mg/L
S	34	167256.426	13729.79				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		90.534			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		90.093			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		92.339			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		98.213			
Na	23					

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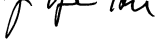

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104003438

Sample Date/Time: Monday, April 04, 2011 19:23:33
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 32
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22976.368	0.02				ug/L
|	Be	9	15.333	0.00	0.0719	0.036	49.469	ug/L
|	Al	27	12257.612	0.06	1.7857	0.348	19.489	ug/L
⌊>	Sc	45	182076.260	182076.26				ug/L
⌈	Ti	49	53.339	0.00	0.0418	0.091	217.952	ug/L
|	V	51	3382.884	0.00	0.0389	0.009	24.096	ug/L
|	Cr	52	12775.617	0.01	0.3844	0.016	4.081	ug/L
|	Cr	53	593.411	0.00	0.3138	0.176	56.088	ug/L
|	Mn	55	1115.073	0.00	0.0329	0.002	4.890	ug/L
|	Co	59	101.335	-0.00	-0.0272	0.000	1.038	ug/L
|	Ni	60	162.670	0.00	-0.0030	0.003	83.174	ug/L
|	Cu	65	208.671	0.00	0.0405	0.011	27.928	ug/L
|	Zn	66	1780.176	0.00	1.2184	0.015	1.264	ug/L
|>	Ge	72	344755.560	344755.56				ug/L
|	As	75	-214.341	-0.00	0.0552	0.028	50.590	ug/L
|	Se	77	77.334	-0.00	-0.1439	0.075	52.157	ug/L
|	Se	82	2.148	-0.00	0.1027	0.139	135.116	ug/L
⌊	Rb	85	59.001	0.00				mg/L
	Y	89	229390.827	-33673.97				ug/L
	Rh	103	10.667	-6.00				ug/L
⌈	Mo	98	32.758	0.00	-0.0442	0.002	3.423	ug/L
|	Ag	107	32.667	0.00	-0.0182	0.001	4.421	ug/L
|	Cd	114	-0.617	-0.00	0.0039	0.003	65.614	ug/L
|>	In	115	337763.175	337763.18				ug/L
|	Sn	118	103.867	-0.00	-0.0017	0.001	40.751	ug/L
⌊	Sb	123	45.241	0.00	-0.0103	0.001	10.493	ug/L
⌈	Ba	135	127.002	0.00	0.0565	0.006	10.170	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	405073.171	405073.17				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	14.000	-0.00	-0.0093	0.000	2.789	ug/L
|	Tl	205	30.003	-0.00	-0.0162	0.000	0.072	ug/L
|	Pb	206	367.010	0.00	0.0030	0.003	99.812	ug/L
|	Pb	207	292.341	0.00	0.0087	0.002	27.513	ug/L
|	Pb	208	1385.385	0.00	0.0049	0.001	30.220	ug/L
|	U	238	23.334	0.00	-0.0061	0.000	2.638	ug/L
⌊>	Bi	209	383734.679	383734.68				ug/L

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⌈	Na	23	101327.552	0.50	0.0156	0.000	3.072	mg/L
|	Mg	24	17079.617	0.09	0.0020	0.000	0.909	mg/L
|	K	39	374486.962	-0.10	-0.0096	0.001	14.425	mg/L
|	Ca	43	413.383	0.00	0.0075	0.001	11.882	mg/L
|	Fe	54	94405.834	0.27	0.0801	0.004	4.644	mg/L
|	Fe	57	7530.255	-0.01	-0.0066	0.001	13.756	mg/L
⌊>	Sc-1	45	182076.260	182076.26				mg/L
	Cl	35	16379.407	-9619.02				mg/L
	Kr	83	59.667	-10.67				mg/L
	Br	81	12190.762	1862.76				mg/L
	P	31	19032.766	9371.41				mg/L
	S	34	162590.795	9064.16				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.840			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.827			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		94.227			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.248			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104003438
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 19:30:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22057.760	0.02				ug/L
|	Be	9	15087.373	0.09	54.1315	2.165	3.999	ug/L
|	Al	27	283087.145	1.62	51.8337	0.194	0.374	ug/L
⌊>	Sc	45	173696.734	173696.73				ug/L
⌈	Ti	49	53394.226	0.15	96.1852	2.606	2.710	ug/L
|	V	51	438100.353	1.26	48.7533	0.771	1.581	ug/L
|	Cr	52	383046.301	1.08	49.5843	0.514	1.037	ug/L
|	Cr	53	43348.093	0.12	48.0003	0.811	1.689	ug/L
|	Mn	55	585420.102	1.69	49.9300	0.272	0.545	ug/L
|	Co	59	469033.218	1.36	50.6871	0.144	0.284	ug/L
|	Ni	60	99393.235	0.29	51.0486	0.748	1.466	ug/L
|	Cu	65	107505.208	0.31	52.3004	0.615	1.176	ug/L
|	Zn	66	65281.382	0.19	53.3351	0.611	1.145	ug/L
| >	Ge	72	345743.825	345743.83				ug/L
|	As	75	54670.036	0.16	48.2779	0.185	0.382	ug/L
|	Se	77	4635.075	0.01	50.4794	1.847	3.658	ug/L
|	Se	82	5411.042	0.02	48.2763	0.132	0.273	ug/L
⌊	Rb	85	2078.237	0.01				mg/L
	Y	89	229581.766	-33483.03				ug/L
	Rh	103	32.000	15.33				ug/L
⌈	Mo	98	281218.662	0.84	97.5909	0.481	0.493	ug/L
|	Ag	107	300133.881	0.90	48.9783	0.706	1.441	ug/L
|	Cd	114	62369.616	0.19	49.0825	0.500	1.019	ug/L
| >	In	115	333491.421	333491.42				ug/L
|	Sn	118	227722.867	0.68	49.9266	0.598	1.197	ug/L
⌊	Sb	123	195934.297	0.59	48.7478	0.685	1.405	ug/L
⌈	Ba	135	80692.396	0.20	49.4972	0.626	1.264	ug/L
|	Ce	140	36.670	0.00				ug/L
⌊>	Tb	159	395892.739	395892.74				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	354511.946	0.96	49.0298	0.118	0.241	ug/L
|	Tl	205	875407.359	2.38	49.3712	0.608	1.231	ug/L
|	Pb	206	287015.178	0.78	48.9851	0.792	1.618	ug/L
|	Pb	207	272489.721	0.74	49.1831	0.808	1.642	ug/L
|	Pb	208	1209811.212	3.28	49.1957	0.511	1.038	ug/L
|	U	238	2083977.319	5.66	53.4625	0.554	1.036	ug/L
⌊>	Bi	209	368437.694	368437.69				ug/L

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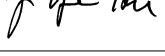
Na	23	23851161.180	137.40	4.9367	0.225	4.553	mg/L
Mg	24	16524502.379	95.22	5.0482	0.196	3.874	mg/L
K	39	32898478.319	187.41	4.9829	0.184	3.689	mg/L
Ca	43	79280.940	0.46	5.1126	0.182	3.565	mg/L
Fe	54	2789613.911	15.83	4.9677	0.185	3.719	mg/L
Fe	57	1170299.112	6.70	5.0171	0.229	4.568	mg/L
Sc-1	45	173696.734	173696.73				mg/L
Cl	35	13827.557	-12170.87				mg/L
Kr	83	58.334	-12.00				mg/L
Br	81	9844.844	-483.16				mg/L
P	31	10589.617	928.26				mg/L
S	34	156116.008	2589.37				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	97.507				
Cr	52	99.169				
Cr	53					
Mn	55	99.860				
Co	59	101.374				
Ni	60	102.097				
Cu	65	104.601				
Zn	66	106.670				
Ge	72		92.103			
As	75	96.556				
Se	77					
Se	82	96.553				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.957				
Cd	114	98.165				
In	115		90.666			
Sn	118					
Sb	123	97.496				
Ba	135	98.994				
Ce	140					
Tb	159		92.091			
Ho	165					
Tl	203	98.060				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.391				
U	238	106.925				
Bi	209		96.252			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 19:32:53

Approved: April 05, 2011



Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 19:32:53
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 19:37:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22157.890	0.01				ug/L
|	Be	9	10.000	0.00	0.0542	0.013	24.340	ug/L
|	Al	27	1950.192	-0.00	-0.0259	0.054	207.381	ug/L
⌊>	Sc	45	179582.426	179582.43				ug/L
⌈	Ti	49	30.003	-0.00	-0.0007	0.031	4454.338	ug/L
|	V	51	3017.740	0.00	-0.0026	0.006	234.405	ug/L
|	Cr	52	9780.212	0.00	-0.0165	0.023	140.165	ug/L
|	Cr	53	280.032	-0.00	-0.0367	0.042	113.952	ug/L
|	Mn	55	289.674	-0.00	-0.0378	0.002	4.470	ug/L
|	Co	59	93.001	-0.00	-0.0281	0.002	8.639	ug/L
|	Ni	60	43.001	-0.00	-0.0648	0.005	7.611	ug/L
|	Cu	65	90.001	0.00	-0.0175	0.004	23.596	ug/L
|	Zn	66	173.003	0.00	-0.1046	0.009	8.232	ug/L
|>	Ge	72	345207.108	345207.11				ug/L
|	As	75	-210.764	-0.00	0.0584	0.057	98.374	ug/L
|	Se	77	80.667	-0.00	-0.1082	0.139	128.704	ug/L
|	Se	82	3.519	-0.00	0.1145	0.065	56.414	ug/L
⌊	Rb	85	18.334	-0.00				mg/L
	Y	89	227644.854	-35419.95				ug/L
	Rh	103	11.333	-5.33				ug/L
⌈	Mo	98	369.431	0.00	0.0741	0.026	34.613	ug/L
|	Ag	107	44.001	0.00	-0.0162	0.002	10.808	ug/L
|	Cd	114	9.928	0.00	0.0124	0.007	57.829	ug/L
|>	In	115	330545.683	330545.68				ug/L
|	Sn	118	277.737	0.00	0.0373	0.006	16.519	ug/L
⌊	Sb	123	52.325	0.00	-0.0082	0.004	46.087	ug/L
⌈	Ba	135	18.334	-0.00	-0.0084	0.002	23.616	ug/L
|	Ce	140	23.336	0.00				ug/L
⌊>	Tb	159	395374.153	395374.15				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	48.001	0.00	-0.0047	0.001	28.418	ug/L
|	Tl	205	123.347	0.00	-0.0111	0.003	30.034	ug/L
|	Pb	206	304.341	-0.00	-0.0068	0.003	48.424	ug/L
|	Pb	207	265.006	-0.00	0.0044	0.003	69.833	ug/L
|	Pb	208	1290.380	-0.00	0.0017	0.002	132.904	ug/L
|	U	238	181.670	0.00	-0.0022	0.001	63.391	ug/L
⌊>	Bi	209	379774.810	379774.81				ug/L

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Na	23	12502.411	0.01	-0.0019	0.000	5.245	mg/L	
Mg	24	1156.853	0.01	-0.0027	0.000	3.478	mg/L	
K	39	367578.142	-0.11	-0.0098	0.002	22.508	mg/L	
Ca	43	200.022	-0.00	-0.0056	0.004	72.940	mg/L	
Fe	54	47017.076	0.01	-0.0005	0.006	1285.411	mg/L	
Fe	57	7199.981	-0.01	-0.0076	0.001	10.190	mg/L	
> Sc-1	45	179582.426	179582.43				mg/L	
Cl	35	13326.209	-12672.22				mg/L	
Kr	83	55.334	-15.00				mg/L	
Br	81	9903.570	-424.43				mg/L	
P	31	9203.599	-457.76				mg/L	
S	34	156295.295	2768.66				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.960			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.865			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.971			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.213			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Monday, April 04, 2011 19:44:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	21022.120	0.01				ug/L
|	Be	9	12.000	0.00	0.0620	0.024	39.116	ug/L
|	Al	27	3417.263	0.01	0.2510	0.095	37.660	ug/L
⌊>	Sc	45	174887.853	174887.85				ug/L
⌜	Ti	49	83.342	0.00	0.0946	0.011	11.424	ug/L
|	V	51	6637.267	0.01	0.3986	0.033	8.187	ug/L
|	Cr	52	16023.991	0.02	0.7998	0.059	7.325	ug/L
|	Cr	53	996.816	0.00	0.7561	0.016	2.122	ug/L
|	Mn	55	6376.430	0.02	0.4791	0.018	3.830	ug/L
|	Co	59	3990.503	0.01	0.3911	0.015	3.788	ug/L
|	Ni	60	3370.268	0.01	1.6376	0.031	1.891	ug/L
|	Cu	65	1832.520	0.01	0.8264	0.022	2.699	ug/L
|	Zn	66	8363.581	0.02	6.5799	0.160	2.426	ug/L
|>	Ge	72	347663.247	347663.25				ug/L
|	As	75	244.410	0.00	0.4575	0.058	12.769	ug/L
|	Se	77	126.001	0.00	0.3854	0.202	52.452	ug/L
|	Se	82	50.160	0.00	0.5276	0.058	10.949	ug/L
⌊	Rb	85	21.000	0.00				mg/L
	Y	89	231304.093	-31760.71				ug/L
	Rh	103	9.667	-7.00				ug/L
⌜	Mo	98	150.235	0.00	-0.0030	0.003	107.970	ug/L
|	Ag	107	2530.346	0.01	0.3919	0.016	4.032	ug/L
|	Cd	114	271.774	0.00	0.2194	0.010	4.407	ug/L
|>	In	115	331699.381	331699.38				ug/L
|	Sn	118	199.869	0.00	0.0199	0.002	11.576	ug/L
⌊	Sb	123	1698.609	0.01	0.4036	0.008	1.870	ug/L
⌜	Ba	135	1226.087	0.00	0.7414	0.018	2.456	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	391282.523	391282.52				ug/L
⌜	Ho	165	13.335	0.00				ug/L
|	Tl	203	620.025	0.00	0.0732	0.004	5.240	ug/L
|	Tl	205	1576.949	0.00	0.0696	0.003	4.007	ug/L
|	Pb	206	2698.058	0.01	0.3960	0.011	2.750	ug/L
|	Pb	207	2537.014	0.01	0.4085	0.005	1.242	ug/L
|	Pb	208	11238.600	0.03	0.4005	0.007	1.834	ug/L
|	U	238	16873.059	0.04	0.4189	0.005	1.203	ug/L
⌊>	Bi	209	374741.635	374741.63				ug/L

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Na	23	10156.177	0.00	-0.0023	0.000	3.474	mg/L
Mg	24	383.379	0.00	-0.0029	0.000	0.991	mg/L
K	39	379200.112	0.02	-0.0065	0.004	58.496	mg/L
Ca	43	210.023	-0.00	-0.0043	0.004	83.685	mg/L
Fe	54	43672.597	0.00	-0.0042	0.005	124.515	mg/L
Fe	57	7363.448	-0.01	-0.0059	0.003	53.769	mg/L
Sc-1	45	174887.853	174887.85				mg/L
Cl	35	14509.187	-11489.24				mg/L
Kr	83	58.334	-12.00				mg/L
Br	81	10187.188	-140.81				mg/L
P	31	9275.634	-385.73				mg/L
S	34	156511.505	2984.87				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	99.662				
Cr	52	99.981				
Cr	53					
Mn	55	95.818				
Co	59	97.778				
Ni	60	102.353				
Cu	65	103.297				
Zn	66	105.279				
Ge	72		92.614			
As	75	114.363				
Se	77					
Se	82	131.897				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.970				
Cd	114	109.713				
In	115		90.179			
Sn	118					
Sb	123	100.906				
Ba	135	98.854				
Ce	140					
Tb	159		91.019			
Ho	165					
Tl	203	91.515				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.136				
U	238	104.736				
Bi	209		97.898			
Na	23					

Sample ID: QC Std 8
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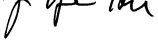

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 8	Se	82	LLCCV IS OUT OF LIMITS (+/-20%)

Sample ID: QC Std 8
Report Date/Time: Monday, April 04, 2011 19:47:07
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Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 19:52:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20070.226	0.00				ug/L
|	Be	9	4826.498	0.03	16.8382	0.501	2.973	ug/L
|	Al	27	29319979.236	164.20	5259.8519	251.483	4.781	ug/L
⌊>	Sc	45	178717.229	178717.23				ug/L
⌈	Ti	49	20319.323	0.07	42.2125	0.989	2.344	ug/L
|	V	51	615866.249	2.05	79.2943	0.683	0.861	ug/L
|	Cr	52	734784.073	2.42	111.3575	0.758	0.681	ug/L
|	Cr	53	86245.576	0.29	110.6596	0.524	0.473	ug/L
|	Mn	55	3297086.382	11.00	324.8443	0.854	0.263	ug/L
|	Co	59	434658.376	1.45	54.2036	0.497	0.917	ug/L
|	Ni	60	264548.299	0.88	156.9760	1.490	0.949	ug/L
|	Cu	65	205719.857	0.69	115.5665	2.220	1.921	ug/L
|	Zn	66	222738.476	0.74	210.7192	3.192	1.515	ug/L
|>	Ge	72	299617.748	299617.75				ug/L
|	As	75	35016.283	0.12	35.7465	0.429	1.199	ug/L
|	Se	77	1104.061	0.00	13.1523	0.974	7.403	ug/L
|	Se	82	1203.088	0.00	12.4477	0.600	4.821	ug/L
⌊	Rb	85	89296.917	0.30				mg/L
	Y	89	302288.363	39223.56				ug/L
	Rh	103	84.001	67.33				ug/L
⌈	Mo	98	1910.074	0.01	0.6863	0.017	2.465	ug/L
|	Ag	107	102906.493	0.35	18.7684	0.291	1.552	ug/L
|	Cd	114	11514.642	0.04	10.1407	0.164	1.614	ug/L
|>	In	115	298172.778	298172.78				ug/L
|	Sn	118	252.803	0.00	0.0378	0.003	7.972	ug/L
⌊	Sb	123	2413.257	0.01	0.6505	0.015	2.364	ug/L
⌈	Ba	135	339224.444	0.92	223.7117	2.359	1.054	ug/L
|	Ce	140	532998.991	1.45				ug/L
⌊>	Tb	159	368343.851	368343.85				ug/L
⌈	Ho	165	6035.759	0.02				ug/L
|	Tl	203	459706.953	1.45	74.0372	0.353	0.477	ug/L
|	Tl	205	1155660.724	3.65	75.8975	0.721	0.950	ug/L
|	Pb	206	253197.919	0.80	50.3159	0.521	1.035	ug/L
|	Pb	207	213187.821	0.67	44.7975	0.592	1.322	ug/L
|	Pb	208	998838.709	3.15	47.2904	0.323	0.683	ug/L
|	U	238	611445.595	1.93	18.2621	0.309	1.693	ug/L
⌊>	Bi	209	316415.898	316415.90				ug/L

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⌈	Na	23	944294.550	5.23	0.1857	0.009	4.708	mg/L
|	Mg	24	258799801.548	1449.00	76.8625	2.294	2.985	mg/L
|	K	39	49958972.487	277.52	7.3822	0.190	2.571	mg/L
|	Ca	43	2619344.571	14.66	164.6800	4.675	2.839	mg/L
|	Fe	54	5337838.275	29.64	9.3085	0.320	3.434	mg/L
|	Fe	57	2433862.344	13.58	10.1740	0.375	3.682	mg/L
⌊>	Sc-1	45	178717.229	178717.23				mg/L
	Cl	35	24715.846	-1282.58				mg/L
	Kr	83	77.334	7.00				mg/L
	Br	81	12375.666	2047.66				mg/L
	P	31	150273.369	140612.01				mg/L
	S	34	168437.210	14910.57				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		79.815			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		81.064			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		85.683			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		82.661			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Cr 52 Upper, S, EEE	Cr	52	
Mn 55 Upper, S, EEE	Mn	55	
Ni 60 Upper, S, EEE	Ni	60	
Cu 65 Upper, S, EEE	Cu	65	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

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Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 19:59:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22241.456	0.01				ug/L
|	Be	9	4915.875	0.03	15.8016	0.398	2.520	ug/L
|	Al	27	31876120.826	164.40	5266.1584	77.416	1.470	ug/L
⌊>	Sc	45	193895.160	193895.16				ug/L
⌈	Ti	49	52754.092	0.17	104.6128	2.049	1.959	ug/L
|	V	51	716973.125	2.27	88.1042	1.342	1.523	ug/L
|	Cr	52	781959.991	2.46	113.0710	1.417	1.253	ug/L
|	Cr	53	107269.696	0.34	131.3602	1.945	1.481	ug/L
|	Mn	55	3693359.105	11.76	347.1412	0.627	0.181	ug/L
|	Co	59	476563.764	1.52	56.6968	0.417	0.735	ug/L
|	Ni	60	287682.385	0.92	162.8389	1.942	1.193	ug/L
|	Cu	65	225476.900	0.72	120.8299	0.558	0.462	ug/L
|	Zn	66	238622.625	0.76	215.3556	2.362	1.097	ug/L
|>	Ge	72	314078.126	314078.13				ug/L
|	As	75	36704.028	0.12	35.7454	0.543	1.518	ug/L
|	Se	77	3097.813	0.01	36.8748	1.244	3.373	ug/L
|	Se	82	1205.689	0.00	11.9045	0.123	1.034	ug/L
⌊	Rb	85	102467.689	0.33				mg/L
	Y	89	318256.563	55191.76				ug/L
	Rh	103	91.668	75.00				ug/L
⌈	Mo	98	3651.279	0.01	1.3549	0.055	4.043	ug/L
|	Ag	107	106470.199	0.36	19.3089	0.074	0.382	ug/L
|	Cd	114	11634.747	0.04	10.1871	0.320	3.137	ug/L
|>	In	115	299839.229	299839.23				ug/L
|	Sn	118	1660.671	0.01	0.3809	0.013	3.492	ug/L
⌊	Sb	123	143237.705	0.48	39.6303	0.183	0.462	ug/L
⌈	Ba	135	442020.517	1.21	293.4072	4.800	1.636	ug/L
|	Ce	140	575333.831	1.57				ug/L
⌊>	Tb	159	365955.290	365955.29				ug/L
⌈	Ho	165	6502.765	0.02				ug/L
|	Tl	203	474193.638	1.46	74.2687	0.147	0.198	ug/L
|	Tl	205	1175553.990	3.61	75.0775	0.293	0.391	ug/L
|	Pb	206	273375.034	0.84	52.8312	0.499	0.945	ug/L
|	Pb	207	230956.938	0.71	47.1987	0.373	0.790	ug/L
|	Pb	208	1079447.652	3.31	49.7023	0.069	0.139	ug/L
|	U	238	640215.372	1.97	18.5947	0.137	0.739	ug/L
⌊>	Bi	209	325365.712	325365.71				ug/L

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⌈	Na	23	922761.426	4.70	0.1667	0.001	0.899	mg/L
|	Mg	24	256846957.047	1324.71	70.2692	0.572	0.814	mg/L
|	K	39	53356394.954	273.03	7.2627	0.074	1.018	mg/L
|	Ca	43	2818965.480	14.54	163.2860	2.127	1.303	mg/L
|	Fe	54	6342995.393	32.47	10.1977	0.235	2.305	mg/L
|	Fe	57	2860805.399	14.71	11.0212	0.194	1.760	mg/L
⌊>	Sc-1	45	193895.160	193895.16				mg/L
	Cl	35	25380427.740	25354429.31				mg/L
	Kr	83	85.001	14.67				mg/L
	Br	81	13192.702	2864.70				mg/L
	P	31	152709.914	143048.56				mg/L
	S	34	156955.557	3428.92				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.667			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		81.517			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		85.127			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		84.999			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Cr 52 Upper, S, EEE	Cr	52	
Mn 55 Upper, S, EEE	Mn	55	
Ni 60 Upper, S, EEE	Ni	60	
Cu 65 Upper, S, EEE	Cu	65	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 20:06:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18784.306	0.01				ug/L
|	Be	9	13256.114	0.08	50.8571	2.391	4.702	ug/L
|	Al	27	288383.304	1.77	56.5418	2.741	4.847	ug/L
⌊>	Sc	45	162511.431	162511.43				ug/L
⌈	Ti	49	51282.944	0.16	99.4402	1.662	1.672	ug/L
|	V	51	421531.012	1.30	50.5023	0.716	1.418	ug/L
|	Cr	52	365874.673	1.11	51.0136	0.702	1.377	ug/L
|	Cr	53	43488.715	0.13	51.8666	1.446	2.789	ug/L
|	Mn	55	545180.797	1.70	50.0506	0.825	1.649	ug/L
|	Co	59	436695.094	1.36	50.7924	0.288	0.568	ug/L
|	Ni	60	92784.397	0.29	51.2906	0.352	0.686	ug/L
|	Cu	65	99027.286	0.31	51.8549	1.141	2.201	ug/L
|	Zn	66	60006.438	0.19	52.7618	0.330	0.625	ug/L
|>	Ge	72	321251.972	321251.97				ug/L
|	As	75	52112.634	0.16	49.5256	0.508	1.026	ug/L
|	Se	77	4321.600	0.01	50.6608	0.503	0.993	ug/L
|	Se	82	5138.993	0.02	49.3487	0.968	1.962	ug/L
⌊	Rb	85	2027.226	0.01				mg/L
	Y	89	213846.837	-49217.96				ug/L
	Rh	103	36.667	20.00				ug/L
⌈	Mo	98	266827.185	0.84	96.8262	0.247	0.255	ug/L
|	Ag	107	295755.097	0.93	50.4641	0.590	1.168	ug/L
|	Cd	114	60092.376	0.19	49.4539	0.633	1.280	ug/L
|>	In	115	318926.617	318926.62				ug/L
|	Sn	118	221156.240	0.69	50.6982	0.169	0.334	ug/L
⌊	Sb	123	192077.874	0.60	49.9681	0.201	0.401	ug/L
⌈	Ba	135	83300.365	0.21	51.5813	0.759	1.472	ug/L
|	Ce	140	83.342	0.00				ug/L
⌊>	Tb	159	392159.174	392159.17				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	359449.443	1.00	51.0798	0.946	1.851	ug/L
|	Tl	205	873708.764	2.44	50.6234	0.635	1.254	ug/L
|	Pb	206	289199.984	0.81	50.7029	0.179	0.352	ug/L
|	Pb	207	270351.938	0.75	50.1284	0.299	0.596	ug/L
|	Pb	208	1207876.269	3.36	50.4614	0.467	0.925	ug/L
|	U	238	1997571.630	5.57	52.6503	0.509	0.967	ug/L
⌊>	Bi	209	358633.563	358633.56				ug/L

Sample ID: QC Std 6
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⌈	Na	23	25013854.236	154.09	5.5364	0.286	5.175	mg/L
|	Mg	24	16618903.953	102.34	5.4262	0.166	3.057	mg/L
|	K	39	32159976.101	196.01	5.2119	0.252	4.844	mg/L
|	Ca	43	74443.539	0.46	5.1309	0.143	2.778	mg/L
|	Fe	54	2636297.263	16.00	5.0229	0.300	5.964	mg/L
|	Fe	57	1092768.749	6.68	5.0077	0.206	4.106	mg/L
⌊>	Sc-1	45	162511.431	162511.43				mg/L
	Cl	35	35165.169	9166.74				mg/L
	Kr	83	46.334	-24.00				mg/L
	Br	81	9260.290	-1067.71				mg/L
	P	31	9119.536	-541.82				mg/L
	S	34	151529.592	-1997.05				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	101.005				
|	Cr	52	102.027				
|	Cr	53					
|	Mn	55	100.101				
|	Co	59	101.585				
|	Ni	60	102.581				
|	Cu	65	103.710				
|	Zn	66	105.524				
|>	Ge	72		85.578			
|	As	75	99.051				
|	Se	77					
|	Se	82	98.697				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	100.928				
|	Cd	114	98.908				
|>	In	115		86.706			
|	Sn	118					
⌊	Sb	123	99.936				
⌈	Ba	135	103.163				
|	Ce	140					
⌊>	Tb	159		91.223			
⌈	Ho	165					
|	Tl	203	102.160				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	100.923				
|	U	238	105.301				
⌊>	Bi	209		93.690			
⌈	Na	23					

Sample ID: QC Std 6
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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 20:08:28
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 20:13:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18366.854	0.00				ug/L
|	Be	9	15.333	0.00	0.0780	0.031	40.380	ug/L
|	Al	27	2166.907	0.00	0.0458	0.061	134.224	ug/L
⌊>	Sc	45	164358.485	164358.49				ug/L
⌈	Ti	49	60.006	0.00	0.0600	0.032	52.512	ug/L
|	V	51	2974.540	0.00	0.0134	0.034	256.843	ug/L
|	Cr	52	9498.605	0.00	0.0249	0.006	23.004	ug/L
|	Cr	53	1306.883	0.00	1.2014	0.098	8.195	ug/L
|	Mn	55	322.675	-0.00	-0.0333	0.002	6.004	ug/L
|	Co	59	88.335	-0.00	-0.0280	0.001	3.643	ug/L
|	Ni	60	42.334	-0.00	-0.0638	0.004	6.335	ug/L
|	Cu	65	91.668	0.00	-0.0139	0.003	24.911	ug/L
|	Zn	66	171.337	0.00	-0.0972	0.016	16.812	ug/L
|>	Ge	72	324914.877	324914.88				ug/L
|	As	75	-197.205	-0.00	0.0595	0.058	96.947	ug/L
|	Se	77	80.000	-0.00	-0.0597	0.250	419.725	ug/L
|	Se	82	-0.200	-0.00	0.0810	0.134	165.796	ug/L
⌊	Rb	85	27.667	0.00				mg/L
	Y	89	220547.534	-42517.27				ug/L
	Rh	103	12.333	-4.33				ug/L
⌈	Mo	98	284.687	0.00	0.0458	0.019	41.855	ug/L
|	Ag	107	60.001	0.00	-0.0134	0.002	12.381	ug/L
|	Cd	114	2.763	0.00	0.0067	0.005	80.445	ug/L
|>	In	115	326036.828	326036.83				ug/L
|	Sn	118	254.670	0.00	0.0330	0.002	5.868	ug/L
⌊	Sb	123	226.494	0.00	0.0363	0.008	22.715	ug/L
⌈	Ba	135	29.667	-0.00	-0.0016	0.005	279.696	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	400708.482	400708.48				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	229.338	0.00	0.0201	0.003	13.099	ug/L
|	Tl	205	533.401	0.00	0.0118	0.001	12.636	ug/L
|	Pb	206	316.675	-0.00	-0.0039	0.003	83.339	ug/L
|	Pb	207	279.007	-0.00	0.0076	0.004	50.834	ug/L
|	Pb	208	1249.710	-0.00	0.0009	0.001	69.800	ug/L
|	U	238	160.336	0.00	-0.0027	0.001	41.196	ug/L
⌊>	Bi	209	374137.168	374137.17				ug/L

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 20:15:32
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Na	23	11601.221	0.01	-0.0018	0.000	4.191	mg/L
Mg	24	5692.193	0.03	-0.0012	0.000	4.758	mg/L
K	39	386469.873	0.20	-0.0017	0.003	177.082	mg/L
Ca	43	220.025	-0.00	-0.0030	0.003	107.367	mg/L
Fe	54	41161.702	0.00	-0.0041	0.004	102.000	mg/L
Fe	57	6746.287	-0.01	-0.0069	0.001	19.321	mg/L
> Sc-1	45	164358.485	164358.49				mg/L
Cl	35	23157.450	-2840.98				mg/L
Kr	83	61.334	-9.00				mg/L
Br	81	9066.109	-1261.89				mg/L
P	31	8649.089	-1012.27				mg/L
S	34	159518.551	5991.91				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		86.554			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.639			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.211			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.740			
Na	23					

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 20:15:32

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 20:15:32
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2.2 General Chemistry Data

2.2.1 Percent Solids Data

2.2.1.1 Raw Data

LABORATORY REPORT

L11040066

04/05/11 11:10

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4111-SS-4'-SW-6	L11040066-01	D2216-90	1	04-APR-11
SWMU-57-4111-SS-1'-SW-7	L11040066-02	D2216-90	1	04-APR-11
SWMU-57-4111-SS-FC-2'-NUM7	L11040066-03	D2216-90	1	04-APR-11
SWMU-57-4111-SS-7'-SW-8	L11040066-04	D2216-90	1	04-APR-11
SWMU-57-4111-SS-7'-SW-9	L11040066-05	D2216-90	1	04-APR-11
SWMU-57-4111-SS-15'-FC-NUM8	L11040066-06	D2216-90	1	04-APR-11
SWMU-57-4111-SS-7.5'-SW-13	L11040066-07	D2216-90	1	04-APR-11
SWMU-57-4211-SS-7.5'-SW-10	L11040066-08	D2216-90	1	04-APR-11

Microbac Laboratories Inc.

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	**L11040066-01**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4111-SS-4'-SW-6**	Prep Method:	**D2216-90**	Prep Date:	**04/05/2011 08:26**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360721**	Analyst:	**JDH**	Run Date:	**04/05/2011 08:26**
Collect Date:	**04/01/2011 09:40**	Dilution:	**1**	File ID:	**B1.360721-0101**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**76.3**		**1.00**	**1.00**

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	L11040066-02	PrePrep Method:	NONE	Instrument:	BAL001
Client ID:	SWMU-57-4111-SS-1'-SW-7	Prep Method:	D2216-90	Prep Date:	04/05/2011 08:26
Matrix:	Soil	Analytical Method:	D2216-90	Cal Date:	
Workgroup Number:	WG360721	Analyst:	JDH	Run Date:	04/05/2011 08:26
Collect Date:	04/01/2011 11:45	Dilution:	1	File ID:	B1.360721-0102
Sample Tag:	01	Units:	weight %		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	77.4		1.00	1.00

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	L11040066-03	PrePrep Method:	NONE	Instrument:	BAL001
Client ID:	SWMU-57-4111-SS-FC-2'-NUM	Prep Method:	D2216-90	Prep Date:	04/05/2011 08:26
Matrix:	Soil	Analytical Method:	D2216-90	Cal Date:	
Workgroup Number:	WG360721	Analyst:	JDH	Run Date:	04/05/2011 08:26
Collect Date:	04/01/2011 12:00	Dilution:	1	File ID:	B1.360721-0103
Sample Tag:	01	Units:	weight %		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.8		1.00	1.00

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	**L11040066-04**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4111-SS-7'-SW-8**	Prep Method:	**D2216-90**	Prep Date:	**04/05/2011 08:26**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360721**	Analyst:	**JDH**	Run Date:	**04/05/2011 08:26**
Collect Date:	**04/01/2011 14:00**	Dilution:	**1**	File ID:	**B1.360721-0104**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**76.4**		**1.00**	**1.00**

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	L11040066-05	PrePrep Method:	NONE	Instrument:	BAL001
Client ID:	SWMU-57-4111-SS-7'-SW-9	Prep Method:	D2216-90	Prep Date:	04/05/2011 08:26
Matrix:	Soil	Analytical Method:	D2216-90	Cal Date:	
Workgroup Number:	WG360721	Analyst:	JDH	Run Date:	04/05/2011 08:26
Collect Date:	04/01/2011 14:25	Dilution:	1	File ID:	B1.360721-0105
Sample Tag:	01	Units:	weight %		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	76.7		1.00	1.00

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	L11040066-06	PrePrep Method:	NONE	Instrument:	BAL001
Client ID:	SWMU-57-4111-SS-15'-FC-NUI	Prep Method:	D2216-90	Prep Date:	04/05/2011 08:26
Matrix:	Soil	Analytical Method:	D2216-90	Cal Date:	
Workgroup Number:	WG360721	Analyst:	JDH	Run Date:	04/05/2011 08:26
Collect Date:	04/01/2011 14:55	Dilution:	1	File ID:	B1.360721-0106
Sample Tag:	01	Units:	weight %		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	80.4		1.00	1.00

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	L11040066-07	PrePrep Method:	NONE	Instrument:	BAL001
Client ID:	SWMU-57-4111-SS-7.5'-SW-1	Prep Method:	D2216-90	Prep Date:	04/05/2011 08:26
Matrix:	Soil	Analytical Method:	D2216-90	Cal Date:	
Workgroup Number:	WG360721	Analyst:	JDH	Run Date:	04/05/2011 08:26
Collect Date:	04/01/2011 16:25	Dilution:	1	File ID:	B1.360721-0107
Sample Tag:	01	Units:	weight %		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	82.4		1.00	1.00

Report Number: **L11040066**
Report Date : **April 5, 2011**

Sample Number:	L11040066-08	PrePrep Method:	NONE	Instrument:	BAL001
Client ID:	SWMU-57-4211-SS-7.5'-SW-1(	Prep Method:	D2216-90	Prep Date:	04/05/2011 08:26
Matrix:	Soil	Analytical Method:	D2216-90	Cal Date:	
Workgroup Number:	WG360721	Analyst:	JDH	Run Date:	04/05/2011 08:26
Collect Date:	04/01/2011 07:50	Dilution:	1	File ID:	B1.360721-0108
Sample Tag:	01	Units:	weight %		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.9		1.00	1.00

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:	
WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

2.0 Calculating the percent moisture of a sample.

% Moisture = 100 - % Solids from 1.0 calculation

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG360721 Analyst:JDH ADT(on):04/04/2011 14:03
Method:D2216-90 Instrument:BAL001 ADT(off):04/05/2011 08:26
SOP:K0003 Rev:11

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE
L11031042-01	1.33	12.76	8.37			61.59	
L11040011-01	1.31	26.93	21.95			80.56	
L11040011-02	1.32	16.95	13.83			80.04	
L11040011-03	1.31	16.94	13.58			78.50	
L11040011-04	1.31	21.8	17.61			79.55	
L11040011-05	1.31	19.1	16			82.57	
L11040011-06	1.31	21.8	17.61			79.55	
L11040011-07	1.31	21.8	17.61			79.55	
L11040011-08	1.31	19.1	16			82.57	
L11040011-09	1.31	19.1	16			82.57	
L11040014-02	1.33	27.34	22.44			81.16	
L11040018-01	1.33	24.83	17.2			67.53	
L11040019-01	1.32	21.38	19.33			89.78	
L11040019-02	1.32	21.22	19.76			92.66	
L11040058-01	1.32	29.46	22.68			75.91	
L11040058-02	1.31	31.57	26.51			83.28	
L11040058-03	1.34	29.17	22.92			77.54	
L11040058-04	1.3	31.48	26.31			82.87	
L11040063-01	1.3	21.06	16.94			79.15	
L11040065-01	1.3	24.45	23.07			94.04	
L11040065-02	1.3	31.39	29.97			95.28	
L11040065-03	1.31	22.34	19.58			86.88	
L11040065-04	1.32	22.14	19.67			88.14	
L11040066-01	1.32	23.35	18.12			76.26	
L11040066-02	1.31	24.77	19.47			77.41	
L11040066-03	1.33	26.2	20.18			75.79	
L11040066-04	1.31	30.83	23.87			76.42	
L11040066-05	1.32	26.09	20.31			76.67	
L11040066-06	1.32	26.62	21.65			80.36	
L11040066-07	1.32	27.68	23.03			82.36	
L11040066-08	1.32	34.58	26.56			75.89	
L11040067-01	1.31	23.47	18.11			75.81	
L11040067-02	1.31	23.47	18.11			75.81	
L11040067-03	1.31	23.47	18.11			75.81	
WG360721-01	1.32	23.35	18.12			76.26	23.74
WG360721-02	1.33	27.34	22.44			81.16	18.84
WG360721-03	1.32	20.53	16.15			77.20	22.80
WG360721-04	1.33	33.68	27.87			82.04	17.96

Analyst: Justin Hesson

PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1963383
Report generated: 04/05/2011 08:28

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
April 6, 2011

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
ALV – AMY L. VALENTINE	AML – TONY M. LONG	AZH – AFTER HOURS
BLG – BRENDA L. GREENWALT	BRG – BRENDA R. GREGORY	CAA – CASSIE A. AUGENSTEIN
CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD
CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
ECL – ERIC C. LAWSON	EDL – ERIN D. LONG	ERP – ERIN R. PORTER
FJB – FRANCES J. BOLDEN	HAV – HEMA VILASAGAR	HJR – HOLLY J. REED
JAL – JOHN A. LENT	JBK – JEREMY B. KINNEY	JDH – JUSTIN D. HESSON
JKT – JANE K. THOMPSON	JLL – JOHN L. LENT	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KEB – KATIE E. BARNES
KHR – KIM H. RHODES	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MIKE D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	PDM – PIERCE D. MORRIS	PWD – PAUL W. DENT
RAH – ROY A. HALSTEAD	RB – BOB BUCHANAN	REK – BOB E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WJB – WILL J. BEASLEY
WTD – WADE T. DELONG		

Microbac Laboratories Inc.
List of Valid Qualifiers
April 06, 2011

Qualkey: DOD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	The reported result is associated with a contaminated method blank.
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated concentration; sample matrix interference.
J	Estimated value ; the analyte concentration was greater than the highest standard
J	Estimated value ; the analyte concentration was less than the low standard (LOQ)
J	The reported result is an estimated value.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported LOD.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: DOD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 2166

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4308
Fax: 740-376-2536

Company Name: UXB-KEMRON

Project Contact: MARY LOU ROCHOTTE | Contact Phone #: 740-373-4308

Turn Around Requirements: 1-DAY | Location: ~~RFAAP~~ RADFORD, VA

Project ID: M20609 SWMU-57

Sampler (print): SCOTT ANDERSON | Signature:

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	METALS ★ SEE LIST	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
SWMU-57-4111-SS 4'-SW-6		X	4-1-11	0940	SOIL	1		1		PER QAPP FOR RFAAP ★
SWMU-57-4111-SS 1'-SW-7		X	4-1-11	1145	SOIL	1		1		★ Aluminum Antimony Manganese Cadmium Chromium Iron
SWMU-57-4111-SS FC-2'-NUM7		X	4-1-11	1200	SOIL	1		1		
SWMU-57-4111-SS 4'-SW-8		X	4-1-11	1400	SOIL	1		1		
SWMU-57-4111-SS 7'-SW-9		X	4-1-11	1425	SOIL	1		1		
SWMU-57-4111-SS 15'-FC-NUM8		X	4-1-11	1455	SOIL	1		1		
SWMU-57-4111-SS 7.5'-SW-13		X	4-1-11	1625	SOIL	1		1		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-2-11	1040	Microbac OVD Received: 04/04/2011 09:38 By: BRENDA GREENWALT 221000013709		
Relinquished by: (Signature)	Date	Time			

Brenda Greenwalt

Remarks:

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

Page _____ of _____

COC No. A 2168

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4308
Fax: 740-376-2536

Company Name: UXB-KEMRON

Project Contact: MARY LOU ROCKAFELLOW | Contact Phone #: 740-373-4308

Turn Around Requirements: 1-DAY | Location: ~~RFAAP~~ RADFORD, VA

Project ID: M20669 SWMU-57

Sampler (print): JONATHAN ANDERSON | Signature:

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	MS/TAL* + TCL LIST*	TOTAL # (LAB USE)
SWMU-57-4211		X	4-2-11	750	SOIL	1		1	
SS-7.5'-SW-10									

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

ADDITIONAL REQUIREMENTS

PER QAPP for RFAAP

* Aluminum
Antimony
Manganese
Cadmium
Chromium
Iron

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-2-11	1040	Microbac OVD 221000013709 Received: 04/04/2011 09:38 By: ROBIN KLINGER		
Relinquished by: (Signature)	Date	Time	Remarks:		
			Robin L. Klinger		

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

COOLER INSPECTION

Received: 04/04/2011 09:38
Delivery Method: FedEx
Opened By: Brenda Greenwalt
Comments:

Login(s): L11040066|

Cooler(s)

Cooler #	Temp Gun	Temp	Tracking #	COC #	Comments
0015403	G	2.0	345750941100256387504384033020 06	2166	

1	Yes	Were shipping coolers sealed?
2	Yes	Were custody seals intact?
3	Yes	Were cooler temperatures in range of 0-6?
4	Yes	Was ice present?
5	Yes	Were COC's received/information complete/signed and dated?
6	Yes	Were sample containers and labels intact and match COC?
7	Yes	Were the correct containers and volumes received?
8	Yes	Were samples received within EPA hold times?
9	NA	Were correct perservatives used? (water only)
10	NA	Were pH ranges acceptable? (voa's excluded)
11	NA	Were VOA samples free of headspace (less than 6mm)?

Discrepancies:

Microbac - Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750
Tel: (740)373-4071 Fax: (740)373-4835

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11040066
Account: 2820
Project: 2820.216
Samples: 8
Due Date: 05-APR-2011

Samplenum	Container ID	Products
L11040066-01	815027	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11040066-02	815028	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:55	RLK	JDH

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11040066-03	815029	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

Sample extract/digestate/leachate

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11040066
Account: 2820
Project: 2820.216
Samples: 8
Due Date: 05-APR-2011

Samplenum	Container ID	Products
L11040066-04	815030	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11040066-05	815031	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11040066-06	815032	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:55	RLK	JDH

Sample extract/digestate/leachate

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11040066
Account: 2820
Project: 2820.216
Samples: 8
Due Date: 05-APR-2011

Samplenum	Container ID	Products
L11040066-07	815033	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11040066-08	815034	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

***Sample extract/digestate/leachate**

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L11040067

Client: Mary Lou Rochette, 156 Starlite Drive, Marietta, OH, 45750

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Kathy Albertson	*Team Chemist/Data Specialist*	Kathy.Albertson@microbac.com
Stephanie Mossburg	*Team Chemist/Data Specialist*	Stephanie.Mossburg@microbac.com
Tony Long	*Team Chemist/Data Specialist*	Tony.Long@microbac.com
Amanda Fickiesen	*Client Services Specialist*	Amanda.Fickiesen@microbac.com
Annie Brown	*Client Services Specialist*	Annie.Brown@microbac.com

This report was reviewed on April 06, 2011.

Stephanie Mossburg - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the DoD QSM and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, DoD ELAP certification number 2936.01. The reported results are related only to the samples analyzed as received.

This report was certified on April 06, 2011.

David Vandenberg - Managing Director

State of origin: Virginia
Accrediting authority: N/A ID:N/A
QAPP: DOD Ver 4.1
This report contains a total of 626 pages.

Look closer. Go further. Do more.

Microbac REPORT L11040067
PREPARED FOR Kemron Environmental Services
WORK ID:

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1.0 Introduction

LABORATORY REPORT

L11040067

04/06/11 14:54

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Marv Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
SWMU-57-4111-SS-DUP	L11040067-01	04/01/2011 12:00	04/04/2011
SWMU-57-4111-SS-MS	L11040067-02	04/01/2011 12:00	04/04/2011
SWMU-57-4111-SS-MSD	L11040067-03	04/01/2011 12:00	04/04/2011

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number: **L11040067-01** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-DUP** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:35**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **T2.040411.163509**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	17200		19.6	9.82
Antimony, Total	7440-36-0		U	0.982	0.491
Iron, Total	7439-89-6	39000		2.95	1.47
Manganese, Total	7439-96-5	387		0.491	0.246

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040067-01** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-DUP** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 16:25**
Collect Date: **04/01/2011 12:00** | Dilution: **5** | File ID: **EL.040411.162554**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.657	0.328
Chromium, Total	7440-47-3	27.6		2.63	1.31

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040067-01** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-DUP** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **B1.360721-0109**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.8		1.00	1.00

Sample Number: **L11040067-02** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-MS** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:38**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **T2.040411.163837**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16300		19.6	9.82
Antimony, Total	7440-36-0	24.6		0.982	0.491
Iron, Total	7439-89-6	38100		2.95	1.47
Manganese, Total	7439-96-5	315		0.491	0.246

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number: **L11040067-02** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-MS** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 16:32**
Collect Date: **04/01/2011 12:00** | Dilution: **5** | File ID: **EL.040411.163259**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	11.6		0.657	0.328
Chromium, Total	7440-47-3	40.2		2.63	1.31

Sample Number: **L11040067-02** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4111-SS-MS** | Prep Method: **D2216-90** | Prep Date: **04/05/2011 08:26**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG360721** | Analyst: **JDH** | Run Date: **04/05/2011 08:26**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **B1.360721-0110**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.8		1.00	1.00

Sample Number: **L11040067-03** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4111-SS-MSD** | Prep Method: **3051A** | Prep Date: **04/04/2011 12:28**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/04/2011 12:54**
Workgroup Number: **WG360751** | Analyst: **JYH** | Run Date: **04/04/2011 16:42**
Collect Date: **04/01/2011 12:00** | Dilution: **1** | File ID: **T2.040411.164203**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	17800		19.6	9.82
Antimony, Total	7440-36-0	24.4		0.982	0.491
Iron, Total	7439-89-6	39300		2.95	1.47
Manganese, Total	7439-96-5	291		0.491	0.246

Sample Number: **L11040067-03** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4111-SS-MSD** | Prep Method: **3051A** | Prep Date: **04/04/2011 13:14**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/04/2011 10:32**
Workgroup Number: **WG360750** | Analyst: **EDL** | Run Date: **04/04/2011 16:40**
Collect Date: **04/01/2011 12:00** | Dilution: **5** | File ID: **EL.040411.164004**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	12.3		0.657	0.328
Chromium, Total	7440-47-3	41.4		2.63	1.31

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	**L11040067-03**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4111-SS-MSD**	Prep Method:	**D2216-90**	Prep Date:	**04/05/2011 08:26**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360721**	Analyst:	**JDH**	Run Date:	**04/05/2011 08:26**
Collect Date:	**04/01/2011 12:00**	Dilution:	**1**	File ID:	**B1.360721-0111**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**75.8**		**1.00**	**1.00**

Login Number: L11040067

Department: Login

Chain of Custody:

Shipment Conditions

COC #	Cooler #	Temperature
2167	0015403	2.0

Sample Management: All samples were received intact.

Sample Identification

Lab ID	Client ID
L11040067-01	SWMU-57-4111-SS-DUP
L11040067-02	SWMU-57-4111-SS-MS
L11040067-03	SWMU-57-4111-SS-MSD

Narrative ID: 24850
Approved By: Stephanie Mossburg
Stephanie Mossburg

2.0 Full Sample Data Package

2.1 Metals Data

2.1.1 Metals I C P Data

2.1.1.1 Summary Data

Login Number: L11040067

Department: Metals

Analyst: Ji Hu

METHOD

Preparation: SW-846 3051

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360751 - All acceptance criteria were met.

Matrix Spikes: WG360751 - Sample 01 was chosen by the client for MS/MSD analysis. Samples 02(MS) and 03(MSD) yielded noncompliant recoveries for three analytes.

SAMPLES

Samples: All acceptance criteria were met.

Narrative ID: 24907
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040067

04/06/11 14:54

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4111-SS-DUP	L11040067-01	6010B	1	04-APR-11
SWMU-57-4111-SS-MS	L11040067-02	6010B	1	04-APR-11
SWMU-57-4111-SS-MSD	L11040067-03	6010B	1	04-APR-11

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	L11040067-01	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-DUP	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:35
Collect Date:	04/01/2011 12:00	Dilution:	1	File ID:	T2.040411.163509
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.8

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	17200		19.6	9.82
Antimony, Total	7440-36-0		U	0.982	0.491
Iron, Total	7439-89-6	39000		2.95	1.47
Manganese, Total	7439-96-5	387		0.491	0.246

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	L11040067-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-MS	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:38
Collect Date:	04/01/2011 12:00	Dilution:	1	File ID:	T2.040411.163837
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.8

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16300		19.6	9.82
Antimony, Total	7440-36-0	24.6		0.982	0.491
Iron, Total	7439-89-6	38100		2.95	1.47
Manganese, Total	7439-96-5	315		0.491	0.246

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	L11040067-03	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4111-SS-MSD	Prep Method:	3051A	Prep Date:	04/04/2011 12:28
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/04/2011 12:54
Workgroup Number:	WG360751	Analyst:	JYH	Run Date:	04/04/2011 16:42
Collect Date:	04/01/2011 12:00	Dilution:	1	File ID:	T2.040411.164203
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.8

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	17800		19.6	9.82
Antimony, Total	7440-36-0	24.4		0.982	0.491
Iron, Total	7439-89-6	39300		2.95	1.47
Manganese, Total	7439-96-5	291		0.491	0.246

2.1.1.2 QC Summary Data

Example 6010 Calculations
Thermo Scientific iCAP 6500

1.0 Initial Calibration (ICAL) Parameters
For a multi-point calibration, the system performs linear regression from data consisting of a blank and four standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360718
Analyst: REK
Spike Analyst: REK
Run Date: 04/04/2011 12:28
Method: 3051A
Balance: BAL014
Instrument: MW-3

SOP: ME406 Revison 12
Spike Solution: STD39933
Spike Witness: VC
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15342
HNO3 Lot #: COA15353

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360718-02	BLANK	7	1 g	50 mL	176.19 g	176.194 g		
2	WG360718-03	LCS	7	1 g	50 mL	181.995 g	181.998 g	5 mL	
3	L11040063-01	SAMP	7	1.328 g	50 mL	177.283 g	177.247 g		04/06/11
4	L11040066-01	SAMP	7	1.338 g	50 mL	176.181 g	176.085 g		04/05/11
5	L11040066-02	SAMP	7	1.322 g	50 mL	177.173 g	177.088 g		04/05/11
6	L11040066-03	SAMP	7	1.37 g	50 mL	180.874 g	180.862 g		04/05/11
7	L11040066-04	SAMP	7	1.368 g	50 mL	177.525 g	177.456 g		04/05/11
8	L11040066-05	SAMP	7	1.48 g	50 mL	178.629 g	178.539 g		04/05/11
9	L11040066-06	SAMP	7	1.462 g	50 mL	179.567 g	179.524 g		04/05/11
10	L11040066-07	SAMP	7	1.432 g	50 mL	176.638 g	176.619 g		04/05/11
11	L11040066-08	SAMP	7	1.407 g	50 mL	176.765 g	176.582 g		04/05/11
12	WG360718-01	REF	7	1.343 g	50 mL	179.781 g	179.784 g		
13	L11040067-01	RS01	7	1.343 g	50 mL	179.781 g	179.784 g		04/11/11
14	WG360718-04	MS	7	1.343 g	50 mL	182.218 g	182.224 g	5 mL	
15	L11040067-02	MS01	7	1.343 g	50 mL	182.218 g	182.224 g	5 mL	04/11/11
16	WG360718-05	MSD	7	1.343 g	50 mL	181.871 g	181.864 g	5 mL	
17	L11040067-03	SD01	7	1.343 g	50 mL	181.871 g	181.864 g	5 mL	04/11/11
18	L11040069-01	SAMP	7	1.383 g	50 mL	177.286 g	177.176 g		04/08/11
19	L11040069-02	SAMP	7	1.38 g	50 mL	178.723 g	178.728 g		04/08/11
20	L11040069-03	SAMP	7	1.326 g	50 mL	178.359 g	178.356 g		04/08/11
21	L11040069-04	SAMP	7	1.321 g	50 mL	177.175 g	177.099 g		04/08/11
22	L11040069-05	SAMP	7	1.441 g	50 mL	176.737 g	176.645 g		04/08/11
23	L11040069-06	SAMP	7	1.309 g	50 mL	178.946 g	178.839 g		04/08/11
24	L11040069-07	SAMP	7	1.385 g	50 mL	180.073 g	179.999 g		04/08/11
25	L11040069-08	SAMP	7	1.326 g	50 mL	177.185 g	177.071 g		04/08/11
26	L11040069-09	SAMP	7	1.403 g	50 mL	179.744 g	179.703 g		04/08/11
27	L11040069-10	SAMP	7	1.388 g	50 mL	176.908 g	176.806 g		04/08/11

Analyst: [signature]

Reviewer: Brenda Gregory

MW_DIG - Modified 09/30/2009
PDF ID: 1962955
Report generated: 04/04/2011 13:59

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.040411.124030	WG360766-01	Calibration Point		1		04/04/11 12:40
2	T2.040411.124408	WG360766-02	Calibration Point		1		04/04/11 12:44
3	T2.040411.124743	WG360766-03	Calibration Point		1		04/04/11 12:47
4	T2.040411.125119	WG360766-04	Calibration Point		1		04/04/11 12:51
5	T2.040411.125440	WG360766-05	Calibration Point		1		04/04/11 12:54
6	T2.040411.125806	WG360766-06	Initial Calibration Verification		1		04/04/11 12:58
7	T2.040411.130126	WG360766-07	Initial Calib Blank		1		04/04/11 13:01
8	T2.040411.130502	WG360766-08	Interference Check		1		04/04/11 13:05
9	T2.040411.130829	WG360766-09	Interference Check		1		04/04/11 13:08
10	T2.040411.131155	WG360766-10	CCV		1		04/04/11 13:11
11	T2.040411.131514	WG360766-11	CCB		1		04/04/11 13:15
12	T2.040411.131856	WG360664-03	Method/Prep Blank	1/50	1		04/04/11 13:18
13	T2.040411.132232	WG360664-04	Laboratory Control S	1/50	1		04/04/11 13:22
14	T2.040411.132558	L11030742-04	MAPEP-11-MAS24	1.408/50	1		04/04/11 13:25
15	T2.040411.132945	WG360719-03	Serial Dilution		5	L11030742-04	04/04/11 13:29
16	T2.040411.133316	WG360719-03	Serial Dilution		25	L11030742-04	04/04/11 13:33
17	T2.040411.133643	WG360719-03	Serial Dilution		125	L11030742-04	04/04/11 13:36
18	T2.040411.134014	L11040011-01	904892	1.34/50	1		04/04/11 13:40
19	T2.040411.134400	WG360719-01	Post Digestion Spike		1	L11040011-01	04/04/11 13:44
20	T2.040411.134744	WG360719-02	Serial Dilution		5	L11040011-01	04/04/11 13:47
21	T2.040411.135109	WG360719-02	Serial Dilution		25	L11040011-01	04/04/11 13:51
22	T2.040411.135444	WG360766-12	CCV		1		04/04/11 13:54
23	T2.040411.135803	WG360766-13	CCB		1		04/04/11 13:58
24	T2.040411.140148	WG360719-01	Post Digestion Spike		1	L11040011-01	04/04/11 14:01
25	T2.040411.140535	WG360664-01	Reference Sample		1	L11040011-05	04/04/11 14:05
26	T2.040411.140920	WG360664-05	Matrix Spike	1.426/50	1	L11040011-05	04/04/11 14:09
27	T2.040411.141303	WG360664-06	Matrix Spike Duplica	1.426/50	1	L11040011-05	04/04/11 14:13
28	T2.040411.141647	L11030995-01	\#1	1.346/50	1		04/04/11 14:16
29	T2.040411.142033	WG360505-01	Post Digestion Spike		1	L11030995-01	04/04/11 14:20
30	T2.040411.142416	L11030995-03	\#2	1.393/50	1		04/04/11 14:24
31	T2.040411.142804	WG360766-14	CCV		1		04/04/11 14:28
32	T2.040411.143124	WG360766-15	CCB		1		04/04/11 14:31
33	T2.040411.143505	L11040011-02	904893	1.345/50	1		04/04/11 14:35
34	T2.040411.143849	L11040011-03	904894	1.339/50	1		04/04/11 14:38

Page: 1 Approved: April 05, 2011

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.040411.144233	L11040011-04	904895	1.322/50	1		04/04/11 14:42
36	T2.040411.144621	L11040019-01	PFG6096	1.355/50	1		04/04/11 14:46
37	T2.040411.144949	L11040019-02	PFG6097	1.335/50	1		04/04/11 14:49
38	T2.040411.145316	L11040034-01	ORG-A3A-259-10	1.418/50	1		04/04/11 14:53
39	T2.040411.145644	L11040034-02	ORG-B1A-259-10	1.447/50	1		04/04/11 14:56
40	T2.040411.150011	L11040034-03	ORG-D2A-259-10	1.45/50	1		04/04/11 15:00
41	T2.040411.150338	L11040034-04	ORG-E4A-259-10	1.392/50	1		04/04/11 15:03
42	T2.040411.150706	WG360664-02	Reference Sample		1	L11040034-05	04/04/11 15:07
43	T2.040411.151039	WG360766-16	CCV		1		04/04/11 15:10
44	T2.040411.151358	WG360766-17	CCB		1		04/04/11 15:13
45	T2.040411.151741	WG360664-07	Matrix Spike	1.406/50	1	L11040034-05	04/04/11 15:17
46	T2.040411.152108	WG360664-08	Matrix Spike Duplica	1.406/50	1	L11040034-05	04/04/11 15:21
47	T2.040411.152437	WG360766-18	Linear Range Check		1		04/04/11 15:24
48	T2.040411.152808	WG360766-18	Linear Range Check		1		04/04/11 15:28
49	T2.040411.153144	WG360766-18	Linear Range Check		1		04/04/11 15:31
50	T2.040411.153527	L11040034-08	ORG-G2A-259-10	1.328/50	1		04/04/11 15:35
51	T2.040411.153854	L11040034-09	ORG-G2B-259-10	1.45/50	1		04/04/11 15:38
52	T2.040411.154228	WG360766-19	CCV		1		04/04/11 15:42
53	T2.040411.154547	WG360766-20	CCB		1		04/04/11 15:45
54	T2.040411.154927	WG360718-02	Method/Prep Blank	1/50	1		04/04/11 15:49
55	T2.040411.155301	WG360718-03	Laboratory Control S	1/50	1		04/04/11 15:53
56	T2.040411.155625	L11040063-01	\#4	1.328/50	1		04/04/11 15:56
57	T2.040411.160013	L11040066-01	SWMU-57-4111-SS-4'-SW-6	1.338/50	1		04/04/11 16:00
58	T2.040411.160340	L11040066-02	SWMU-57-4111-SS-1'-SW-7	1.322/50	1		04/04/11 16:03
59	T2.040411.160708	L11040066-03	SWMU-57-4111-SS-FC-2'-NU	1.37/50	1		04/04/11 16:07
60	T2.040411.161035	L11040066-04	SWMU-57-4111-SS-7'-SW-8	1.368/50	1		04/04/11 16:10
61	T2.040411.161408	L11040066-05	SWMU-57-4111-SS-7'-SW-9	1.48/50	1		04/04/11 16:14
62	T2.040411.161734	L11040066-06	SWMU-57-4111-SS-15'-FC-N	1.462/50	1		04/04/11 16:17
63	T2.040411.162102	L11040066-07	SWMU-57-4111-SS-7.5'-SW-	1.432/50	1		04/04/11 16:21
64	T2.040411.162441	WG360766-21	CCV		1		04/04/11 16:24
65	T2.040411.162800	WG360766-22	CCB		1		04/04/11 16:28
66	T2.040411.163142	L11040066-08	SWMU-57-4211-SS-7.5'-SW-	1.407/50	1		04/04/11 16:31
67	T2.040411.163509	WG360718-01	Reference Sample		1	L11040067-01	04/04/11 16:35
68	T2.040411.163837	WG360718-04	Matrix Spike	1.343/50	1	L11040067-01	04/04/11 16:38

Page: 2 Approved: April 05, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.040411.164203	WG360718-05	Matrix Spike Duplica	1.343/50	1	L11040067-01	04/04/11 16:42
70	T2.040411.164529	WG360751-01	Post Digestion Spike		1	L11040067-01	04/04/11 16:45
71	T2.040411.164855	WG360751-02	Serial Dilution		5	L11040067-01	04/04/11 16:48
72	T2.040411.165222	WG360751-02	Serial Dilution		25	L11040067-01	04/04/11 16:52
73	T2.040411.165558	L1104006701S-DL	L1104006701SDL		1		04/04/11 16:55
74	T2.040411.165935	WG360766-23	CCV		1		04/04/11 16:59
75	T2.040411.170255	WG360766-24	CCB		1		04/04/11 17:02
76	T2.040411.170635	L11040069-01	13825-C0001	1.383/50	1		04/04/11 17:06
77	T2.040411.171014	L11040069-02	13825-C0002	1.38/50	1		04/04/11 17:10
78	T2.040411.171353	L11040069-03	13825-C0003	1.326/50	1		04/04/11 17:13
79	T2.040411.171716	L11040069-04	13825-C0004	1.321/50	1		04/04/11 17:17
80	T2.040411.172046	L11040069-05	13825-C0005	1.441/50	1		04/04/11 17:20
81	T2.040411.172413	L11040069-06	13825-C0006	1.309/50	1		04/04/11 17:24
82	T2.040411.172745	L11040069-07	13825-C0007	1.385/50	1		04/04/11 17:27
83	T2.040411.173115	L11040069-08	13825-C0008	1.326/50	1		04/04/11 17:31
84	T2.040411.173444	L11040069-09	13825-C0009	1.403/50	1		04/04/11 17:34
85	T2.040411.173822	L11040069-10	13825-C0010	1.388/50	1		04/04/11 17:38
86	T2.040411.174149	WG360766-25	CCV		1		04/04/11 17:41
87	T2.040411.174508	WG360766-26	CCB		1		04/04/11 17:45
88	T2.040411.174849	L11040034-10	ORG-H1A-259-10	1.343/50	1		04/04/11 17:48
89	T2.040411.175216	L11040034-11	ORG-H4A-259-10	1.403/50	1		04/04/11 17:52
90	T2.040411.175544	L11040034-12	ORG-J3A-259-10	1.33/50	1		04/04/11 17:55
91	T2.040411.175917	L11031043-07	13955-C0001	1.004/50	1		04/04/11 17:59
92	T2.040411.180240	L11031043-09	13955-C0003	1.024/50	1		04/04/11 18:02
93	T2.040411.180607	L11031043-10	13955-C0004	1.007/50	1		04/04/11 18:06
94	T2.040411.180931	L11031043-11	13955-C0005	1.01/50	1		04/04/11 18:09
95	T2.040411.181257	L11031044-01	14235-C0007	1.008/50	1		04/04/11 18:12
96	T2.040411.181627	WG360766-27	CCV		1		04/04/11 18:16
97	T2.040411.181946	WG360766-28	CCB		1		04/04/11 18:19
98	T2.040411.182326	WG360226-02	Method/Prep Blank	1/50	1		04/04/11 18:23
99	T2.040411.182701	WG360226-03	Laboratory Control S	1/50	1		04/04/11 18:27
100	T2.040411.183025	L11030930-20	903319	1.366/50	1		04/04/11 18:30
101	T2.040411.183410	WG360746-01	Post Digestion Spike		1	L11030930-20	04/04/11 18:34
102	T2.040411.183754	WG360746-02	Serial Dilution		5	L11030930-20	04/04/11 18:37

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040411T2.1
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36953

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360505,36953,360751,360746,360601

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.040411.184118	WG360746-02	Serial Dilution		25	L11030930-20	04/04/11 18:41
104	T2.040411.184447	L11030930-21	903320		1	WG360226-01	04/04/11 18:44
105	T2.040411.184832	WG360226-04	Matrix Spike	1.346/50	1	L11030930-21	04/04/11 18:48
106	T2.040411.185224	WG360226-05	Matrix Spike Duplica	1.346/50	1	L11030930-21	04/04/11 18:52
107	T2.040411.185559	L11030829-06	14296-C0026	1.473/50	1		04/04/11 18:55
108	T2.040411.185930	WG360766-29	CCV		1		04/04/11 18:59
109	T2.040411.190249	WG360766-30	CCB		1		04/04/11 19:02
110	T2.040411.190629	L11030829-07	14296-C0027	1.391/50	1		04/04/11 19:06
111	T2.040411.191007	L11030829-08	14296-C0028	1.357/50	1		04/04/11 19:10
112	T2.040411.191330	L11030829-09	14296-C0029	1.467/50	1		04/04/11 19:13
113	T2.040411.191700	L11030829-10	14296-C0030	1.34/50	1		04/04/11 19:17
114	T2.040411.192023	L11030829-11	14296-G0001	1.376/50	1		04/04/11 19:20
115	T2.040411.192347	L11030829-12	14296-G0002	1.363/50	1		04/04/11 19:23
116	T2.040411.192718	L11030829-13	7353-C0001	1.4/50	1		04/04/11 19:27
117	T2.040411.193050	L11030829-14	7353-C0002	1.323/50	1		04/04/11 19:30
118	T2.040411.193421	L11030829-15	7353-C0003	1.321/50	1		04/04/11 19:34
119	T2.040411.193753	L11030829-16	7353-C0004	1.421/50	1		04/04/11 19:37
120	T2.040411.194129	WG360766-31	CCV		1		04/04/11 19:41
121	T2.040411.194448	WG360766-32	CCB		1		04/04/11 19:44
122	T2.040411.194829	L11030829-17	7353-C0005	1.32/50	1		04/04/11 19:48
123	T2.040411.195151	L11030829-18	7353-C0006	1.3/50	1		04/04/11 19:51
124	T2.040411.195522	L11030829-19	7353-C0007	1.331/50	1		04/04/11 19:55
125	T2.040411.195852	L11030829-20	7353-C0008	1.399/50	1		04/04/11 19:58
126	T2.040411.200224	L11030829-21	7353-C0009	1.309/50	1		04/04/11 20:02
127	T2.040411.200554	L11030829-22	7353-C0010	1.395/50	1		04/04/11 20:05
128	T2.040411.200926	L11030829-23	7353-C0012	1.338/50	1		04/04/11 20:09
129	T2.040411.201253	WG360766-33	CCV		1		04/04/11 20:12
130	T2.040411.201613	WG360766-34	CCB		1		04/04/11 20:16

Page: 4 Approved: April 05, 2011

Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 04-APR-2011
Analyst: JYH
Analyst: NA
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 360766
Runlog ID: 39831
Analytical Workgroups: 360505,36953,360751,360746,360601

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	
Level 4	995,742,011,019,034,1043,1044
	063,066,067,829,930
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:

Secondary Reviewer:
05-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-05-2011 13:21:23

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11040067
Blank File ID: T2.040411.154927
Prep Date: 04/04/11 12:28
Analyzed Date: 04/04/11 15:49
Analyst: JYH

Work Group: WG360751
Blank Sample ID: WG360718-02
Instrument ID: ICP-THERMO2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360718-03	T2.040411.155301	04/04/11 15:53	01
SWMU-57-4111-SS-DUP	L11040067-01	T2.040411.163509	04/04/11 16:35	01
SWMU-57-4111-SS-MS	L11040067-02	T2.040411.163837	04/04/11 16:38	01
SWMU-57-4111-SS-MSD	L11040067-03	T2.040411.164203	04/04/11 16:42	01

Report Name: BLANK_SUMMARY
PDF File ID: 1963512
Report generated 04/05/2011 08:59

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040067 Prep Date: 04/04/11 12:28 Sample ID: WG360718-02
Instrument ID: ICP-THERMO2 Run Date: 04/04/11 15:49 Prep Method: 3051A
File ID: T2.040411.154927 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360751 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ICP-TH-04-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	10.0	20.0	10.0	1	U
Antimony, Total	0.500	1.00	0.500	1	U
Iron, Total	1.50	3.00	1.50	1	U
Manganese, Total	0.250	0.500	0.250	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1963513
05-APR-2011 08:59

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360718-03
Instrument ID: ICP-THERMO2 Run Time: 15:53 Prep Method: 3051A
File ID: T2.040411.155301 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360751 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-04-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	250	242	97.0	80 - 120	
Antimony, Total	30.0	28.8	96.1	80 - 120	
Iron, Total	100	96.4	96.4	80 - 120	
Manganese, Total	12.5	12.4	99.0	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1963514
Report generated: 04/05/2011 08:59

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum: L11040067 Cal ID: ICP-THERMO2- 04-APR-11 Worknum: WG360751

Instrument ID: ICP-THERMO2 Contract #: Prep Method: 3051A

Parent ID: L11040067-01 File ID: T2.040411.163509 Dil: 1 Method: 6010B

Sample ID: L11040067-02 MS File ID: T2.040411.163837 Dil: 1 Matrix: Soil

Sample ID: L11040067-03 MSD File ID: T2.040411.164203 Dil: 1 Units: mg/kg

Percent Solid: 75.8

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	17200	246	16300	-385	246	17800	222	8.76	80 - 120	20	*
Antimony, Total	U	29.5	24.6	83.5	29.5	24.4	82.9	0.727	80 - 120	20	
Iron, Total	39000	98.2	38100	-957	98.2	39300	246	3.05	80 - 120	20	*
Manganese, Total	387	12.3	315	-591	12.3	291	-781	7.70	80 - 120	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008

PDF File ID: 1963515

Report generated 04/06/2011 14:23

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040067 **Worknum:** WG360751
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360751-02 **File ID:** T2.040411.164855 **Dil:** 5 **Units:** mg/L
Sample: L11040067-01 **File ID:** T2.040411.163509 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	351		356		1.42	
Antimony	ND	U	ND	U		
Iron	795		840		5.66	
Manganese	7.88		8.15		3.43	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1963510
04/05/2011 08:59

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040067 **Worknum:** WG360751
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG360751-01 **File ID:** T2.040411.164529 **Dil:** 1 **Units:** mg/L
Sample ID: L11040067-01 **File ID:** T2.040411.163509 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	322		351		5	132.3	75 - 125	N
ANTIMONY	0.584		0	U	.6	97.4	75 - 125	
IRON	701		795		2	-705.2	75 - 125	N
MANGANESE	7.36		7.88		.25	104.0	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1963511
Report generated: 04/05/2011 08:59

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040067**	Workgroup (AAB#):	**WG360751**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG360766**	Initial Calibration Date:	**04-APR-2011 12:54**

	WG360766-01		WG360766-02		WG360766-03		WG360766-04		WG360766-05			
	Conc	**INT**	**Conc**	**INT**	**Conc**	**INT**	**Conc**	**INT**	**Conc**	**INT**	**R**	**Q**
ALUMINUM	0	0.000240	.1	0.000760	.2	0.00120	10	0.0475	20	0.0941	.999981	
ANTIMONY	0	0.0000600	.012	0.000300	.024	0.000510	1.2	0.0218	2.4	0.0431	.999971	
IRON	0	0	.04	0.000620	.08	0.00127	4	0.0629	8	0.125	.99999	
MANGANESE	0	0.000180	.005	0.00110	.01	0.00197	.5	0.0885	1	0.175	.999986	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1963519
Report generated: 05-APR-2011 08:57

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-07
Instrument ID: ICP-THERMO2 Run Time: 13:01 Method: 6010B
File ID: T2.040411.130126 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360751 Cal ID: ICP-THERI - 04-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
IRON	.03	.06	.03	U
MANGANESE	.005	.01	.005	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1963521
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-11

Instrument ID: ICP-THERMO2 Run Time: 13:15 Method: 6010B

File ID: T2.040411.131514 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963524
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-17

Instrument ID: ICP-THERMO2 Run Time: 15:13 Method: 6010B

File ID: T2.040411.151358 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963524
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-20
Instrument ID: ICP-THERMO2 Run Time: 15:45 Method: 6010B
File ID: T2.040411.154547 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963524
Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-22

Instrument ID: ICP-THERMO2 Run Time: 16:28 Method: 6010B

File ID: T2.040411.162800 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

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Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-24

Instrument ID: ICP-THERMO2 Run Time: 17:02 Method: 6010B

File ID: T2.040411.170255 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
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Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-06

Instrument ID: ICP-THERMO2 Run Time: 12:58 Method: 6010B

File ID: T2.040411.125806 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.0	100	90 - 110	
Antimony		1.2	1.21	101	90 - 110	
Iron		4	3.97	99.3	90 - 110	
Manganese		.5	0.501	100	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1963520

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-10

Instrument ID: ICP-THERMO2 Run Time: 13:11 Method: 6010B

File ID: T2.040411.131155 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.98	mg/L	99.8	90 - 110		
Antimony		1.20	1.19	mg/L	99.4	90 - 110		
Iron		4.00	3.96	mg/L	98.9	90 - 110		
Manganese		0.500	0.499	mg/L	99.8	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963523

Report generated 04/05/2011 08:57

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-16

Instrument ID: ICP-THERMO2 Run Time: 15:10 Method: 6010B

File ID: T2.040411.151039 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.0	mg/L	100	90 - 110		
Antimony		1.20	1.22	mg/L	102	90 - 110		
Iron		4.00	4.00	mg/L	99.9	90 - 110		
Manganese		0.500	0.506	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

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Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-19

Instrument ID: ICP-THERMO2 Run Time: 15:42 Method: 6010B

File ID: T2.040411.154228 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.99	mg/L	99.9	90 - 110		
Antimony		1.20	1.23	mg/L	103	90 - 110		
Iron		4.00	3.98	mg/L	99.6	90 - 110		
Manganese		0.500	0.506	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

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Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-21

Instrument ID: ICP-THERMO2 Run Time: 16:24 Method: 6010B

File ID: T2.040411.162441 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.81	mg/L	98.1	90 - 110		
Antimony		1.20	1.22	mg/L	102	90 - 110		
Iron		4.00	3.94	mg/L	98.5	90 - 110		
Manganese		0.500	0.502	mg/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

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Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766-23

Instrument ID: ICP-THERMO2 Run Time: 16:59 Method: 6010B

File ID: T2.040411.165935 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360751 Cal ID: ICP-TH - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.84	mg/L	98.4	90 - 110		
Antimony		1.20	1.22	mg/L	101	90 - 110		
Iron		4.00	3.94	mg/L	98.5	90 - 110		
Manganese		0.500	0.499	mg/L	99.7	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

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Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040067 **Workgroup (AAB#):** WG360751
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG360766-08 **File ID:** T2.040411.130502 **Units:** mg/L
Sol. AB : WG360766-09 **File ID:** T2.040411.130829 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	253	101	250	247	98.8	
Antimony	NS	-0.00118	NS	0.500	0.506	101	
Iron	100	98.4	98.4	100	95.4	95.4	
Manganese	NS	-0.00136	NS	0.250	0.246	98.4	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

LRC SAMPLE

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360766
Instrument ID: ICP-THERMO2 Run Time: 12:54 Prep Method: 3051A
Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360751 Matrix: Solid Units: mg/kg
Cal ID: 04-APR-11 - 04-APR-2011 12:54

Analytes	Expected	Found	% Rec	Limits	Q
Aluminum, Total	900	860	95.6	90 - 110	
Iron, Total	1000	962	96.2	90 - 110	
Manganese, Total	200	199	99.5	90 - 110	

KEMRON FORMS - Modified 08/28/2006
Version 1.5 PDF File ID: 1964687
Report generated 04/05/2011 15:51

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040067 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.0000210	0	0	0	0
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00190	0	-0.000140	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	224.70	0	0	0	0	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000335	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	-0.000750	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	-0.0000300	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	-0.0000120	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0
ZINC	206.20	0.0000420	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1963518
Report generated: 04/05/2011 08:57

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040067 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.000820	0	0	0
ANTIMONY	206.80	0	0	0.00950	0	0.0000560
ARSENIC	189.00	0	0	0.000490	0	-0.0000120
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00343	0	0	-0.000619
CADMIUM	228.80	0	-0.00200	0	0	-0.00000800
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000530
COBALT	228.60	0	0	0.000108	0	0
COPPER	224.70	0	0.0000770	0	0	0.000196
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	-0.0000930	-0.000172	0.000809	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	-0.0000920	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000100	0	0	0.0000320
PHOSPHORUS	214.90	0	0	0	0.00200	0.00120
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0.0000570	0	0	0	0
THALLIUM	190.80	0	0.00397	0.000276	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	-0.00000200
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	-0.0000300

CORR_FACTORS - Modified 03/05/2008
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Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040067 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	LI	MG	MN	MO	NA
ALUMINUM	308.20	0	0	0	0.0153	0
ANTIMONY	206.80	0	0	0	0.000670	0
ARSENIC	189.00	0	0	0	0.00109	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.00169	0
CADMIUM	228.80	0	0	0	0.0000220	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0.000160	0	0
COBALT	228.60	0	0	0	-0.000983	0
COPPER	224.70	0	0	0	0.00274	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	0	0	-0.00183	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	-0.00190	-0.0110	0
MANGANESE	257.60	0	0.00000900	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0.00800	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0.000156	0
SILICON	212.40	0	0	0	0.0187	0
SILVER	328.00	0	0	0	-0.0000440	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	-0.000153	0
VANADIUM	292.40	0	0	0	-0.00778	0
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
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Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040067 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	NI	SB	SN	SR	TI
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0	0	-0.00840	0	-0.000990
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	-0.000128	0	0	0	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000550
COBALT	228.60	0.000175	0	0	0	0.00188
COPPER	224.70	-0.0120	0	0	0	0.000269
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000110	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	-0.00290
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	-0.00620
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	-0.00170
TIN	189.90	0	0	0	0	-0.00220
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0.000824
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
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Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040067 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	V	ZN	ZR
ALUMINUM	308.20	0.00300	0	0
ANTIMONY	206.80	-0.00438	0	0
ARSENIC	189.00	0.000107	0	0
BARIUM	455.40	0	0	0
BERYLLIUM	313.00	0	0	0
BORON	249.70	0	0	0
CADMIUM	228.80	0.0000820	0	0
CALCIUM	422.70	0	0	0
CHROMIUM	267.70	0	0	
COBALT	228.60	0.0000200	0	0
COPPER	224.70	0	0	
IRON	261.20	0	0	0
LEAD	220.30	-0.000126	0	0
LITHIUM	670.80	0	0	0
MAGNESIUM	279.10	0	0	0
MANGANESE	257.60	0	0	0
MOLYBDENUM	202.03	-0.000110	0	0
NICKEL	231.60	0	0	0
PHOSPHORUS	214.90	-0.00500	0	0.00200
POTASSIUM	766.40	0	0	0
SELENIUM	196.00	0	0	0
SILICON	212.40	0	0	0
SILVER	328.00	-0.00617	0	0
SODIUM	589.50	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-0.0282	0	0
TIN	189.90	0	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0	0	
ZINC	206.20	0	0	0
ZIRCONIUM	339.20	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1963518
Report generated: 04/05/2011 08:57

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040067 **Date:** 12/13/2010
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	810.0
Antimony	10.00	90.0
Arsenic	10.00	90.0
Barium	10.00	90.0
Beryllium	15.00	4.5
Boron	10.00	90.0
Cadmium	10.00	16.2
Calcium	10.00	900.0
Chromium	10.00	81.0
Cobalt	10.00	90.0
Copper	10.00	180.0
Iron	5.00	900.0
Lead	10.00	180.0
Lithium	10.00	90.0
Magnesium	15.00	900.0
Manganese	15.00	180.0
Molybdenum	10.00	9.0
Nickel	10.00	90.0
Phosphorus	10.00	900.0
Potassium	10.00	315.0
Selenium	10.00	90.0
Silicon	10.00	90.0
Silver	5.00	9.0
Sodium	10.00	315.0
Strontium	10.00	4.5
Thallium	10.00	9.0
Tin	10.00	90.0
Titanium	15.00	90.0
Vanadium	10.00	90.0
Zinc	10.00	45.0
Zirconium	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1963517
Report generated: 04/05/2011 08:57

2.1.1.3 Raw Data

Sample Name: S0 Acquired: 4/4/2011 12:40:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00042**	**.00024**	**-.00008**	**.00055**	**.00253**	**-.00176**	**-.00044**
Stddev	.00020	.00003	.00001	.00004	.00015	.00002	.00004
%RSD	47.959	11.173	13.164	6.6880	6.0318	1.0139	9.0196
#1	-.00039	.00026	-.00009	.00051	.00270	-.00178	-.00047
#2	-.00064	.00026	-.00007	.00059	.00248	-.00177	-.00044
#3	-.00024	.00021	-.00009	.00056	.00240	-.00174	-.00040

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00003**	**-.00014**	**-.00018**	**.00017**	**.00000**	**-.00048**	**-.00097**
Stddev	.00002	.00001	.00008	.00002	.00003	.00021	.00012
%RSD	86.966	9.8250	45.373	10.472	1221.9	44.166	11.839
#1	.00003	-.00014	-.00011	.00019	-.00001	-.00053	-.00106
#2	.00000	-.00012	-.00015	.00016	.00004	-.00066	-.00102
#3	.00005	-.00015	-.00027	.00017	-.00002	-.00024	-.00084

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00001**	**.00018**	**.00002**	**-.00291**	**-.00022**	**.00012**	**-.00018**
Stddev	.00003	.00005	.00001	.00013	.00002	.00001	.00005
%RSD	175.01	27.880	41.527	4.5904	8.6023	12.210	24.994
#1	.00001	.00024	.00002	-.00288	-.00024	.00011	-.00013
#2	-.00001	.00016	.00001	-.00305	-.00021	.00013	-.00019
#3	-.00004	.00015	.00002	-.00279	-.00021	.00010	-.00022

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00463**	**.00029**	**.00017**	**.00006**	**-.00008**	**.00040**	**.00004**
Stddev	.00014	.00001	.00001	.00003	.00001	.00002	.00001
%RSD	3.0200	3.1651	3.8089	43.327	11.610	5.1907	28.547
#1	-.00450	.00030	.00017	.00006	-.00007	.00043	.00005
#2	-.00478	.00030	.00016	.00004	-.00009	.00038	.00003
#3	-.00460	.00028	.00017	.00010	-.00008	.00041	.00005

Approved: April 05, 2011

Sample Name: S0 Acquired: 4/4/2011 12:40:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00060**	**-.00037**	**-.00005**	**.00026**	**.00025**	**-.00078**
Stddev	.00002	.00007	.00001	.00002	.00000	.00006
%RSD	3.6410	18.075	13.747	8.4320	.81096	7.7134
#1	.00060	-.00033	-.00005	.00028	.00025	-.00079
#2	.00062	-.00044	-.00006	.00025	.00025	-.00072
#3	.00057	-.00033	-.00006	.00024	.00025	-.00084

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65349.**	**69238.**
Stddev	319.	1391.
%RSD	.48754	2.0094
#1	65103.	68998.
#2	65237.	67983.
#3	65709.	70734.

Approved: April 05, 2011

Sample Name: S1 Acquired: 4/4/2011 12:44:08 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00065**	**.00076**	**.01014**	**.00039**	**.00088**	**.00023**	**.00035**
Stddev	.00015	.00013	.00021	.00008	.00005	.00003	.00003
%RSD	23.078	16.962	2.0404	19.583	6.0399	11.838	8.1412
#1	.00074	.00082	.01038	.00044	.00094	.00021	.00038
#2	.00048	.00085	.01003	.00042	.00084	.00026	.00032
#3	.00074	.00061	.01002	.00030	.00087	.00022	.00036

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00125**	**.00059**	**.00062**	**.00367**	**.00060**	**.00047**	**.00110**
Stddev	.00005	.00002	.00001	.00002	.00010	.00002	.00003
%RSD	3.7156	3.7112	2.0380	.41900	16.657	4.8976	2.4655
#1	.00120	.00058	.00063	.00366	.00069	.00047	.00107
#2	.00129	.00058	.00061	.00365	.00049	.00049	.00110
#3	.00127	.00062	.00061	.00368	.00062	.00044	.00112

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00077**	**.01133**	**.00010**	**.00089**	**.00004**	**-.00480**	**.00034**
Stddev	.00001	.00020	.00002	.00001	.00001	.00028	.00001
%RSD	1.2173	1.7638	20.166	.67655	38.632	5.9187	2.7536
#1	.00077	.01155	.00008	.00089	.00004	-.00501	.00035
#2	.00076	.01115	.00011	.00088	.00005	-.00490	.00035
#3	.00078	.01129	.00012	.00089	.00002	-.00447	.00033

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00017**	**.00030**	**.00138**	**.00058**	**.01371**	**.00051**	**.00579**
Stddev	.00001	.00002	.00001	.00001	.00004	.00004	.00001
%RSD	3.2282	5.3455	.82571	1.0198	.29619	7.5713	.25795
#1	.00017	.00032	.00137	.00057	.01373	.00050	.00581
#2	.00017	.00029	.00138	.00058	.01374	.00056	.00579
#3	.00016	.00029	.00139	.00059	.01367	.00049	.00578

Approved: April 05, 2011

Sample Name: S1 Acquired: 4/4/2011 12:44:08 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00318**	**.00957**
Stddev	.00003	.00008
%RSD	.92288	.79385
#1	.00314	.00961
#2	.00320	.00948
#3	.00318	.00961

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64976.**	**67715.**
Stddev	173.	728.
%RSD	.26587	1.0756
#1	65153.	67153.
#2	64808.	67455.
#3	64965.	68538.

Approved: April 05, 2011

Sample Name: S2 Acquired: 4/4/2011 12:47:43 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00207**	**.00120**	**.00005**	**.00196**	**.01727**	**.00262**	**.00211**
Stddev	.00006	.00001	.00000	.00002	.00009	.00004	.00005
%RSD	2.9476	.64126	7.3156	.99478	.53915	1.6872	2.1982
#1	.00200	.00121	.00006	.00194	.01732	.00258	.00216
#2	.00211	.00121	.00005	.00196	.01733	.00261	.00211
#3	.00210	.00119	.00005	.00197	.01716	.00267	.00207

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00045**	**.00084**	**.00264**	**.00101**	**.00127**	**.00733**	**.00230**
Stddev	.00001	.00002	.00004	.00003	.00000	.00026	.00023
%RSD	3.1144	1.8932	1.3853	2.8286	.18173	3.5024	9.9154
#1	.00046	.00082	.00265	.00102	.00127	.00763	.00204
#2	.00045	.00085	.00267	.00098	.00127	.00720	.00247
#3	.00043	.00085	.00260	.00103	.00127	.00717	.00238

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00091**	**.00197**	**.00154**	**.02581**	**.00041**	**.00170**	**.00017**
Stddev	.00003	.00004	.00000	.00030	.00003	.00002	.00002
%RSD	3.1103	1.9455	.26489	1.1680	6.9949	.95837	10.755
#1	.00094	.00200	.00154	.02590	.00045	.00168	.00019
#2	.00088	.00198	.00154	.02605	.00039	.00171	.00016
#3	.00091	.00193	.00153	.02547	.00040	.00169	.00017

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00479**	**.00038**	**.00017**	**.00051**	**-.00001**	**.00232**	**.00114**
Stddev	.00011	.00002	.00000	.00001	.00002	.00002	.00001
%RSD	2.2963	4.0311	1.5479	1.1052	427.00	.86797	1.2288
#1	-.00475	.00037	.00017	.00051	-.00003	.00233	.00114
#2	-.00491	.00040	.00017	.00052	.00001	.00233	.00112
#3	-.00470	.00037	.00018	.00052	.00000	.00230	.00115

Approved: April 05, 2011

Sample Name: S2 Acquired: 4/4/2011 12:47:43 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02658**	**.00153**	**.00008**	**.01122**	**.00609**	**.02006**
Stddev	.00021	.00005	.00000	.00016	.00003	.00006
%RSD	.78212	3.5367	2.0548	1.4475	.45395	.30074
#1	.02677	.00147	.00008	.01136	.00607	.02004
#2	.02660	.00156	.00008	.01104	.00612	.02013
#3	.02636	.00157	.00008	.01125	.00608	.02001

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63827.**	**69112.**
Stddev	58.	589.
%RSD	.09012	.85235
#1	63885.	68562.
#2	63826.	69733.
#3	63770.	69042.

Approved: April 05, 2011

Sample Name: S3 Acquired: 4/4/2011 12:51:19 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.11669**	**.04745**	**.00741**	**.06683**	**.73443**	**.21855**	**.12785**
Stddev	.00045	.00098	.00007	.00019	.01469	.00056	.00257
%RSD	.38681	2.0661	.89639	.29174	2.0002	.25587	2.0108
#1	.11617	.04702	.00744	.06700	.72833	.21885	.12637
#2	.11690	.04857	.00745	.06662	.75118	.21890	.13082
#3	.11700	.04677	.00733	.06687	.72377	.21791	.12636

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01850**	**.04532**	**.13337**	**.04057**	**.06285**	**.38213**	**.16057**
Stddev	.00010	.00017	.00069	.00019	.00125	.00722	.00325
%RSD	.52105	.38331	.51853	.47846	1.9934	1.8897	2.0260
#1	.01861	.04549	.13416	.04078	.06230	.37817	.15918
#2	.01846	.04531	.13291	.04054	.06428	.39046	.16429
#3	.01842	.04514	.13303	.04040	.06197	.37775	.15825

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.04569**	**.08850**	**.07526**	**1.3994**	**.02864**	**.07774**	**.01759**
Stddev	.00088	.00165	.00017	.0257	.00010	.00033	.00005
%RSD	1.9200	1.8638	.22370	1.8399	.34218	.42720	.27190
#1	.04530	.08745	.07534	1.3835	.02871	.07807	.01762
#2	.04670	.09041	.07537	1.4291	.02867	.07775	.01761
#3	.04508	.08765	.07507	1.3855	.02853	.07741	.01753

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00511**	**.00358**	**.00013**	**.02181**	**.00416**	**.09326**	**.05425**
Stddev	.00037	.00001	.00002	.00008	.00002	.00052	.00023
%RSD	7.1637	.32828	15.230	.37858	.42323	.55259	.41734
#1	-.00529	.00359	.00011	.02185	.00418	.09373	.05446
#2	-.00535	.00357	.00015	.02186	.00415	.09332	.05427
#3	-.00469	.00358	.00013	.02171	.00416	.09271	.05401

Approved: April 05, 2011

Sample Name: S3 Acquired: 4/4/2011 12:51:19 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.2831**	**.09783**	**.00687**	**.53999**	**.28922**	**1.0463**
Stddev	.0240	.00187	.00001	.00109	.00074	.0029
%RSD	1.8687	1.9154	.19774	.20252	.25636	.27275
#1	1.2683	.09681	.00688	.53879	.29008	1.0496
#2	1.3108	.09999	.00688	.54024	.28886	1.0444
#3	1.2703	.09669	.00686	.54093	.28874	1.0450

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63019.**	**66745.**
Stddev	282.	958.
%RSD	.44725	1.4357
#1	62693.	66797.
#2	63177.	65761.
#3	63186.	67675.

Approved: April 05, 2011

Sample Name: S4 Acquired: 4/4/2011 12:54:40 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.23235**	**.09414**	**.01492**	**.13196**	**1.4667**	**.44231**	**.25520**
Stddev	.00180	.00269	.00006	.00103	.0402	.00273	.00719
%RSD	.77580	2.8566	.41961	.78095	2.7402	.61635	2.8175
#1	.23078	.09194	.01492	.13109	1.4349	.43949	.24972
#2	.23432	.09713	.01486	.13310	1.5118	.44493	.26334
#3	.23195	.09333	.01498	.13170	1.4532	.44250	.25253

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03656**	**.08944**	**.26572**	**.07979**	**.12458**	**.76271**	**.32173**
Stddev	.00011	.00022	.00137	.00026	.00333	.02116	.00872
%RSD	.29031	.25035	.51591	.32570	2.6761	2.7744	2.7104
#1	.03654	.08950	.26428	.07990	.12184	.74618	.31497
#2	.03647	.08919	.26701	.07950	.12829	.78656	.33157
#3	.03668	.08963	.26586	.07998	.12360	.75538	.31866

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.08959**	**.17514**	**.15021**	**2.7743**	**.05649**	**.15531**	**.03452**
Stddev	.00228	.00486	.00016	.0810	.00006	.00026	.00005
%RSD	2.5440	2.7776	.10332	2.9216	.10211	.16705	.13983
#1	.08782	.17140	.15010	2.7127	.05646	.15541	.03447
#2	.09216	.18064	.15015	2.8661	.05645	.15501	.03457
#3	.08878	.17339	.15039	2.7441	.05655	.15549	.03453

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00488**	**.00659**	**.00009**	**.04308**	**.00829**	**.18410**	**.10694**
Stddev	.00015	.00002	.00001	.00013	.00002	.00045	.00010
%RSD	2.9774	.25120	13.118	.30257	.20656	.24194	.09413
#1	-.00476	.00657	.00010	.04316	.00829	.18446	.10692
#2	-.00484	.00660	.00008	.04293	.00828	.18360	.10686
#3	-.00504	.00660	.00009	.04315	.00831	.18424	.10706

Approved: April 05, 2011

Sample Name: S4 Acquired: 4/4/2011 12:54:40 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1313) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.5598**	**.19554**	**.01330**	**1.0829**	**.57538**	**2.1103**
Stddev	.0751	.00544	.00007	.0093	.00115	.0200
%RSD	2.9335	2.7835	.52103	.86128	.19933	.94692
#1	2.5034	.19135	.01325	1.0754	.57410	2.0937
#2	2.6451	.20169	.01328	1.0933	.57577	2.1325
#3	2.5310	.19357	.01338	1.0798	.57629	2.1047

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62133.**	**67784.**
Stddev	135.	1091.
%RSD	.21664	1.6090
#1	62221.	68511.
#2	62199.	66530.
#3	61978.	68311.

Approved: April 05, 2011

Sample Name: ICV Acquired: 4/4/2011 12:58:06 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40364**	**10.024**	**.40115**	**.50333**	**.99087**	**.05021**	**9.9521**
Stddev	.00194	.090	.00115	.00103	.00521	.00003	.0830
%RSD	.48013	.90139	.28769	.20461	.52597	.06763	.83448
#1	.40231	9.9253	.39989	.50234	.98651	.05020	9.8593
#2	.40586	10.102	.40215	.50440	.99664	.05018	10.019
#3	.40275	10.046	.40141	.50325	.98946	.05024	9.9775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05030**	**.20279**	**.50577**	**.50628**	**3.9726**	**49.894**	**.99488**
Stddev	.00007	.00009	.00044	.00075	.0258	.270	.00448
%RSD	.13756	.04582	.08779	.14769	.65029	.54199	.45059
#1	.05026	.20270	.50529	.50627	3.9428	49.597	.99309
#2	.05027	.20288	.50586	.50554	3.9890	50.127	.99998
#3	.05038	.20280	.50616	.50704	3.9860	49.959	.99156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.012**	**.50112**	**1.0082**	**50.330**	**.50815**	**9.9454**	**.51042**
Stddev	.063	.00150	.0022	.332	.00046	.0130	.00136
%RSD	.62925	.29861	.21426	.65894	.08958	.13044	.26739
#1	9.9430	.49990	1.0057	49.971	.50763	9.9304	.50933
#2	10.066	.50279	1.0097	50.625	.50837	9.9536	.51195
#3	10.028	.50066	1.0092	50.393	.50845	9.9522	.50998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: ICV Acquired: 4/4/2011 12:58:06 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.6887**	**10.214**	F **12.307**	**1.2077**	**.40400**	**5.0341**	**1.0096**
Stddev	5.0290	.031	1.211	.0032	.00355	.0084	.0025
%RSD	57.880	.30643	9.8377	.26376	.87974	.16605	.24880
#1	8.7700	10.177	12.792	1.2105	.40016	5.0279	1.0069
#2	3.6196	10.230	10.929	1.2043	.40718	5.0436	1.0102
#3	13.677	10.233	13.200	1.2083	.40466	5.0307	1.0118
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-5.0000%		5.0000%				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0005**	**.99353**	**.51372**	**1.0057**	**1.0066**	**1.0081**
Stddev	.0062	.00490	.00073	.0033	.0029	.0040
%RSD	.61899	.49284	.14239	.32966	.28746	.39621
#1	.99451	.98942	.51305	1.0038	1.0034	1.0117
#2	1.0069	.99894	.51361	1.0095	1.0074	1.0090
#3	1.0000	.99221	.51450	1.0037	1.0090	1.0038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62918.**	**67891.**
Stddev	54.	509.
%RSD	.08655	.75012
#1	62981.	68288.
#2	62881.	68069.
#3	62892.	67317.

Approved: April 05, 2011

Sample Name: ICB Acquired: 4/4/2011 13:01:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00112**	**-.00044**	**.00211**	**.00020**	**.00000**	**-.00769**
Stddev	.00010	.01091	.00049	.00048	.00015	.0000	.00407
%RSD	11.141	973.98	111.28	22.894	75.881	519.96	52.980
#1	-.00082	-.00102	-.00010	.00158	.00026	.00001	-.00459
#2	-.00092	-.00857	-.00022	.00226	.00032	-.00002	-.01231
#3	-.00102	.01295	-.00101	.00251	.00003	-.00001	-.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00001**	**-.00008**	**-.00020**	**.00012**	**.12135**	**-.00045**
Stddev	.00004	.00014	.00022	.00020	.00174	.03243	.00155
%RSD	49.090	2274.4	280.26	102.18	1498.3	26.722	346.78
#1	.00004	.00005	-.00033	-.00034	-.00182	.14854	.00092
#2	.00008	.00010	.00002	-.00030	.00062	.13006	-.00013
#3	.00012	-.00016	.00007	.00003	.00154	.08546	-.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**.00008**	**.00018**	**.00575**	**.00005**	**.00061**	**-.00009**
Stddev	.00231	.00013	.00018	.00571	.00036	.00177	.00090
%RSD	97.802	167.24	98.659	99.254	775.90	289.36	1027.7
#1	-.00471	.00011	.00037	.00196	-.00027	.00191	-.00101
#2	-.00009	.00019	.00013	.01232	.00043	.00133	.00080
#3	-.00229	-.00007	.00003	.00298	-.00002	-.00140	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: ICB Acquired: 4/4/2011 13:01:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.9588**	**-.01828**	F **3.3906**	**.00025**	**-.00148**	**.00209**	**-.00077**
Stddev	5.6031	.04301	1.6651	.00029	.00100	.00147	.00024
%RSD	56.263	235.28	49.110	119.19	67.773	70.335	30.896
#1	7.5403	-.06287	4.3104	.00049	-.00192	.00122	-.00093
#2	5.9712	-.01490	4.3930	.00033	-.00033	.00127	-.00049
#3	16.365	.02294	1.4685	-.00008	-.00218	.00379	-.00088
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0400		1.0400				
Low Limit	-1.2000		-1.0400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00160**	**-.00122**	**.00017**	**.00087**	**-.00001**
Stddev	.00002	.00019	.00025	.00021	.00004	.00011
%RSD	284.87	12.084	20.825	124.30	4.2929	1205.8
#1	.00002	-.00147	-.00094	.00008	.00087	.00011
#2	-.00002	-.00151	-.00129	.00041	.00083	-.00010
#3	-.00001	-.00182	-.00144	.00002	.00090	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64396.**	**67480.**
Stddev	144.	75.
%RSD	.22407	.11126
#1	64433.	67398.
#2	64518.	67497.
#3	64237.	67546.

Approved: April 05, 2011

Sample Name: ICSA Acquired: 4/4/2011 13:05:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**253.02**	**-.00263**	**.03985**	**.00136**	**-.00003**	**246.83**
Stddev	.00017	9.31	.00062	.00179	.00033	.00002	9.19
%RSD	14.436	3.6779	23.761	4.4885	24.544	75.508	3.7219
#1	-.00103	252.68	-.00310	.03956	.00128	-.00005	246.57
#2	-.00117	243.89	-.00286	.03822	.00107	-.00002	237.78
#3	-.00138	262.49	-.00192	.04176	.00173	-.00001	256.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00128**	**.00013**	**-.00129**	F **.01125**	**98.445**	**.16235**	**.01154**
Stddev	.00011	.00020	.00048	.00073	3.816	.04874	.00146
%RSD	8.5677	146.83	37.213	6.4469	3.8759	30.021	12.637
#1	.00115	.00035	-.00141	.01146	98.001	.13348	.01316
#2	.00134	.00008	-.00076	.01185	94.870	.13494	.01115
#3	.00135	-.00003	-.00169	.01045	102.46	.21862	.01032
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050			.00500			
Low Limit	-.00050			-.00500			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**254.65**	**-.00136**	**-.00044**	**.00851**	**-.00063**	**-.02219**	**-.00355**
Stddev	10.29	.00006	.00038	.00624	.00051	.00290	.00199
%RSD	4.0410	4.1625	86.272	73.314	80.503	13.059	55.893
#1	253.27	-.00141	-.00080	.01261	-.00048	-.01886	-.00348
#2	245.12	-.00130	-.00004	.01158	-.00022	-.02410	-.00161
#3	265.56	-.00137	-.00048	.00133	-.00120	-.02361	-.00558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: ICSA Acquired: 4/4/2011 13:05:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.9444**	F **237.11**	F **25.477**	**-.00118**	**-.00427**	**.03050**	**-.00019**
Stddev	5.9050	.47	3.225	.00068	.00150	.00086	.00020
%RSD	99.337	.19733	12.658	57.381	35.083	2.8060	102.47
#1	2.4435	237.13	29.174	-.00131	-.00527	.03120	-.00017
#2	2.6277	237.57	24.017	-.00045	-.00499	.03074	-.00040
#3	12.762	236.63	23.241	-.00179	-.00255	.02955	-.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00588**	**.00020**	**.00023**	**-.00699**	**-.00172**
Stddev	.00003	.00109	.00091	.00012	.00047	.00011
%RSD	107.65	18.570	458.03	50.844	6.6913	6.3735
#1	-.00007	-.00648	.00040	.00028	-.00697	-.00166
#2	-.00001	-.00462	-.00080	.00031	-.00654	-.00185
#3	-.00002	-.00655	.00100	.00010	-.00747	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59419.**	**67502.**
Stddev	50.	2197.
%RSD	.08372	3.2542
#1	59375.	68071.
#2	59409.	69358.
#3	59473.	65077.

Approved: April 05, 2011

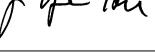
Sample Name: ICSAB Acquired: 4/4/2011 13:08:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49558**	**246.67**	**.24796**	**.03637**	**.24972**	**.26474**	**240.08**
Stddev	.00150	.68	.00159	.00043	.00045	.00032	.70
%RSD	.30291	.27687	.64135	1.1701	.18139	.12263	.29024
#1	.49501	247.45	.24631	.03686	.25024	.26445	240.88
#2	.49445	246.39	.24808	.03618	.24954	.26509	239.58
#3	.49728	246.17	.24949	.03607	.24939	.26467	239.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47327**	**.24575**	**.24714**	**.25753**	**95.384**	**5.2453**	**.01015**
Stddev	.00109	.00056	.00054	.00074	.306	.0420	.00148
%RSD	.23107	.22787	.21785	.28717	.32044	.80162	14.550
#1	.47223	.24539	.24674	.25742	95.731	5.2924	.01098
#2	.47316	.24545	.24692	.25686	95.156	5.2117	.00844
#3	.47441	.24639	.24775	.25832	95.264	5.2317	.01102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**245.76**	**.24644**	**-.00043**	**5.1221**	**.48842**	**-.01782**	**.48408**
Stddev	.94	.00036	.00008	.0109	.00170	.00364	.00254
%RSD	.38429	.14578	19.541	.21222	.34727	20.433	.52506
#1	246.76	.24682	-.00033	5.1316	.48678	-.01619	.48183
#2	244.88	.24610	-.00047	5.1243	.48831	-.02198	.48356
#3	245.65	.24639	-.00049	5.1102	.49017	-.01527	.48684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: ICSAB Acquired: 4/4/2011 13:08:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.5159**	F **224.87**	F **26.678**	**.50612**	**.24354**	**.00533**	**-.00034**
Stddev	7.5349	.29	3.606	.00081	.00243	.00163	.00013
%RSD	115.64	.12909	13.517	.15926	.99634	30.640	37.422
#1	13.646	224.54	29.853	.50677	.24093	.00706	-.00047
#2	-1.3670	224.95	27.422	.50522	.24573	.00381	-.00032
#3	7.2684	225.10	22.758	.50637	.24395	.00513	-.00022
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00549**	**.45457**	**.24787**	**.47040**	**-.00170**
Stddev	.00009	.00081	.00154	.00066	.00072	.00009
%RSD	40.928	14.733	.33940	.26508	.15279	5.1880
#1	-.00031	-.00472	.45455	.24741	.46959	-.00162
#2	-.00016	-.00542	.45303	.24757	.47096	-.00168
#3	-.00016	-.00633	.45612	.24862	.47064	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59616.**	**66578.**
Stddev	42.	809.
%RSD	.07026	1.2144
#1	59610.	65782.
#2	59661.	67399.
#3	59578.	66553.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:11:55 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40269**	**9.9828**	**.39722**	**.49795**	**.98615**	**.04996**	**9.9108**
Stddev	.00513	.0567	.00656	.00482	.00550	.00053	.0407
%RSD	1.2736	.56812	1.6505	.96723	.55763	1.0702	.41073
#1	.40385	10.048	.40091	.49856	.99248	.04989	9.9571
#2	.39707	9.9537	.38965	.49286	.98338	.04947	9.8807
#3	.40713	9.9465	.40110	.50243	.98259	.05053	9.8946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04994**	**.20173**	**.50249**	**.50200**	**3.9559**	**49.670**	**.98947**
Stddev	.00092	.00387	.00564	.00950	.0148	.148	.00253
%RSD	1.8344	1.9180	1.1228	1.8927	.37499	.29861	.25552
#1	.05031	.20299	.50084	.50447	3.9716	49.836	.99215
#2	.04890	.19738	.49785	.49151	3.9539	49.549	.98916
#3	.05061	.20481	.50877	.51003	3.9422	49.625	.98712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9400**	**.49904**	**.98856**	**50.197**	**.50077**	**9.8158**	**.50212**
Stddev	.0500	.00093	.02129	.131	.00988	.1955	.00872
%RSD	.50250	.18700	2.1533	.26105	1.9726	1.9917	1.7366
#1	9.8862	.49806	.99759	50.343	.50483	9.8962	.50532
#2	9.9488	.49915	.96424	50.089	.48951	9.5929	.49225
#3	9.9849	.49992	1.0038	50.160	.50798	9.9582	.50879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:11:55 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.7059**	**10.107**	F **11.347**	**1.1929**	**.39797**	**4.9726**	**1.0014**
Stddev	2.9904	.195	4.161	.0250	.00698	.1020	.0205
%RSD	110.51	1.9341	36.670	2.0932	1.7527	2.0519	2.0454
#1	2.0135	10.157	14.876	1.2037	.40024	5.0204	1.0080
#2	5.9818	9.8920	6.7590	1.1644	.39015	4.8554	.97845
#3	.12250	10.273	12.405	1.2107	.40354	5.0419	1.0178
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99758**	**.98962**	**.50766**	**.99757**	**.99417**	**.99379**
Stddev	.00479	.00357	.00889	.01235	.01894	.01091
%RSD	.48064	.36124	1.7519	1.2382	1.9050	1.0982
#1	1.0031	.99333	.51101	1.0006	.99949	.99632
#2	.99414	.98619	.49758	.98398	.97314	.98183
#3	.99553	.98933	.51439	1.0081	1.0099	1.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63296.**	**68816.**
Stddev	784.	502.
%RSD	1.2389	.72911
#1	63131.	69390.
#2	64150.	68598.
#3	62608.	68461.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 13:15:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.01634**	**.00013**	**.00089**	**.00032**	**.00001**	**-.00174**
Stddev	.00012	.00992	.00038	.00044	.00017	.00001	.00128
%RSD	55.908	60.720	296.27	49.529	53.869	69.844	73.546
#1	-.00020	.01113	-.00013	.00100	.00037	.00001	-.00168
#2	-.00033	.01010	.00056	.00126	.00013	.00001	-.00049
#3	-.00010	.02777	-.00005	.00040	.00047	.00000	-.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00000**	**-.00013**	**-.00033**	**.00185**	**.04293**	**-.00103**
Stddev	.00005	.00006	.00029	.00039	.00350	.02399	.00050
%RSD	121.86	4822.9	221.85	120.24	188.81	55.868	48.311
#1	-.00001	-.00006	-.00029	-.00070	-.00200	.06006	-.00159
#2	.00005	.00006	-.00030	-.00037	.00482	.05321	-.00090
#3	.00008	.00000	.00020	.00008	.00273	.01552	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**-.00025**	**.00018**	**-.00380**	**.00040**	**-.00044**	**.00010**
Stddev	.00294	.00006	.00018	.00317	.00041	.00254	.00017
%RSD	28.212	25.419	99.536	83.386	102.08	571.45	163.20
#1	.00785	-.00026	.00003	-.00402	.00087	-.00328	.00015
#2	.00976	-.00018	.00038	-.00053	.00015	.00033	.00024
#3	.01362	-.00031	.00014	-.00686	.00019	.00162	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 13:15:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.265**	**-.04312**	F **4.0012**	**-.00071**	**.00055**	**.00068**	**-.00063**
Stddev	8.126	.03646	.9738	.00099	.00108	.00038	.00005
%RSD	79.163	84.570	24.337	139.30	197.96	55.247	8.3216
#1	18.606	-.00113	3.3673	-.00186	.00024	.00077	-.00059
#2	2.3722	-.06140	3.5140	-.00016	.00174	.00101	-.00069
#3	9.8172	-.06682	5.1225	-.00012	-.00035	.00027	-.00061
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00045**	**-.00158**	**.00023**	**-.00028**	**-.00008**
Stddev	.00005	.00036	.00028	.00008	.00002	.00003
%RSD	324.75	80.485	17.898	35.370	6.5885	43.724
#1	-.00004	-.00018	-.00140	.00018	-.00027	-.00005
#2	.00004	-.00086	-.00190	.00019	-.00027	-.00007
#3	-.00005	-.00031	-.00143	.00033	-.00030	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65370.**	**68739.**
Stddev	247.	1435.
%RSD	.37741	2.0872
#1	65526.	67292.
#2	65498.	70161.
#3	65085.	68764.

Approved: April 05, 2011

Sample Name: PBS X5 Acquired: 4/4/2011 13:18:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00531**	**-.00072**	**.00063**	**.00160**	**.00000**	**.00444**
Stddev	.00019	.01062	.00064	.00058	.00001	.00002	.00636
%RSD	38.859	200.07	89.233	93.174	.73351	1371.6	143.18
#1	-.00039	-.00106	-.00125	.00130	.00160	-.00002	-.00043
#2	-.00037	.01757	-.00001	.00028	.00158	-.00001	.01164
#3	-.00071	-.00058	-.00091	.00030	.00160	.00003	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00019**	**.00019**	**-.00016**	**.01610**	**.04126**	**-.00227**
Stddev	.00003	.00006	.00022	.00024	.00258	.02445	.00034
%RSD	55.711	34.168	117.25	152.15	16.012	59.249	14.842
#1	.00003	-.00021	-.00003	.00007	.01619	.04296	-.00211
#2	.00009	-.00024	.00041	-.00014	.01864	.06482	-.00266
#3	.00005	-.00012	.00019	-.00041	.01349	.01601	-.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00027**	**.00023**	**.00650**	**.00022**	**-.00118**	**.00011**
Stddev	.00238	.00020	.00014	.01164	.00029	.00113	.00079
%RSD	413.83	72.355	61.419	179.17	129.14	95.634	732.12
#1	-.00043	.00048	.00035	-.00198	-.00008	-.00113	-.00077
#2	-.00113	.00008	.00008	.01977	.00027	-.00234	.00076
#3	.00329	.00026	.00025	.00170	.00049	-.00008	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: PBS X5 Acquired: 4/4/2011 13:18:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.890**	**.45309**	F **-24.899**	**.00033**	**-.00018**	**.00397**	**.00055**
Stddev	4.494	.05779	2.262	.00120	.00249	.00031	.00010
%RSD	37.798	12.754	9.0845	367.01	1348.1	7.7595	18.640
#1	6.7090	.49920	-23.588	.00114	-.00286	.00424	.00044
#2	14.734	.38826	-27.511	.00090	.00206	.00403	.00060
#3	14.228	.47180	-23.599	-.00105	.00025	.00364	.00063
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00024**	**-.00169**	**.00021**	**.00124**	**-.00018**
Stddev	.00006	.00021	.00064	.00005	.00003	.00012
%RSD	710.91	91.242	37.970	25.335	2.6089	65.998
#1	.00005	-.00029	-.00096	.00017	.00123	-.00008
#2	-.00005	.00000	-.00191	.00027	.00121	-.00014
#3	.00002	-.00042	-.00218	.00018	.00127	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65632.**	**68543.**
Stddev	26.	945.
%RSD	.03892	1.3793
#1	65610.	69355.
#2	65660.	68769.
#3	65626.	67505.

Approved: April 05, 2011

Sample Name: LCSS X5 Acquired: 4/4/2011 13:22:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19099**	**5.0629**	**.18653**	**.88775**	**.50239**	**.02456**	**5.0286**
Stddev	.00019	.0655	.00234	.00618	.00425	.00011	.0583
%RSD	.09936	1.2939	1.2527	.69648	.84640	.44422	1.1596
#1	.19080	5.0220	.18620	.88706	.49797	.02463	4.9619
#2	.19100	5.0283	.18437	.88194	.50275	.02443	5.0544
#3	.19117	5.1385	.18901	.89425	.50645	.02461	5.0696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02413**	**.10170**	**.25792**	**.24781**	**2.0220**	**25.048**	**.49923**
Stddev	.00023	.00084	.00160	.00093	.0233	.275	.00325
%RSD	.93983	.82643	.62203	.37373	1.1527	1.0959	.65094
#1	.02397	.10153	.25885	.24824	2.0027	24.747	.49579
#2	.02402	.10097	.25607	.24674	2.0153	25.111	.49966
#3	.02439	.10262	.25884	.24844	2.0479	25.286	.50225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0991**	**.25208**	**.52440**	**25.235**	**.25565**	F **-.00524**	**.25250**
Stddev	.0754	.00292	.00306	.238	.00146	.00071	.00108
%RSD	1.4778	1.1574	.58342	.94278	.57275	13.470	.42620
#1	5.0183	.24889	.52348	24.988	.25591	-.00604	.25228
#2	5.1113	.25274	.52191	25.254	.25408	-.00470	.25156
#3	5.1676	.25461	.52782	25.463	.25698	-.00497	.25367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: LCSS X5 Acquired: 4/4/2011 13:22:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.482**	**5.1935**	F **-1.4559**	**.57787**	**.18416**	**2.4838**	**.50724**
Stddev	2.221	.0676	.2089	.00368	.00116	.0161	.00290
%RSD	15.334	1.3018	14.347	.63666	.63037	.64718	.57164
#1	15.611	5.1875	-1.3903	.57744	.18290	2.4818	.50606
#2	11.923	5.1290	-1.2877	.57443	.18518	2.4688	.50511
#3	15.911	5.2639	-1.6897	.58175	.18439	2.5008	.51054
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50104**	**.50368**	**.24791**	**.50571**	**.50071**	**.48546**
Stddev	.00361	.00440	.00084	.00258	.00189	.00350
%RSD	.71977	.87450	.33993	.50948	.37667	.72071
#1	.49729	.49869	.24872	.50568	.50062	.48629
#2	.50136	.50533	.24704	.50315	.49887	.48162
#3	.50448	.50703	.24797	.50830	.50264	.48847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63150.**	**65729.**
Stddev	220.	309.
%RSD	.34800	.47024
#1	62959.	66034.
#2	63390.	65738.
#3	63101.	65416.

Approved: April 05, 2011

Sample Name: L1103074204 Acquired: 4/4/2011 13:25:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50232**	**186.63**	**.91524**	**.25883**	**6.1374**	**.41846**	F **2177.4**
Stddev	.00587	8.21	.01627	.00649	.4238	.00350	95.8
%RSD	1.1694	4.4013	1.7775	2.5066	6.9056	.83724	4.3988
#1	.50652	177.28	.93340	.25136	5.7328	.42132	2077.2
#2	.50484	189.95	.91031	.26208	6.1012	.41951	2187.1
#3	.49561	192.67	.90200	.26305	6.5781	.41455	2268.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23392**	**1.0030**	**2.2658**	**2.3066**	**251.41**	**208.55**	**.75759**
Stddev	.00378	.0184	.0171	.0438	10.82	9.84	.03403
%RSD	1.6140	1.8295	.75660	1.8991	4.3027	4.7191	4.4914
#1	.23806	1.0228	2.2806	2.3540	239.09	197.41	.71946
#2	.23301	.99937	2.2697	2.2980	255.80	212.20	.76845
#3	.23068	.98668	2.2470	2.2677	259.35	216.05	.78485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1698.0**	**6.5459**	**.02737**	**4.2285**	**2.8558**	**10.703**	**.88649**
Stddev	87.4	.2890	.00064	.1286	.0468	.188	.01499
%RSD	5.1487	4.4147	2.3530	3.0413	1.6369	1.7568	1.6905
#1	1611.2	6.2223	.02772	4.0818	2.9071	10.903	.90345
#2	1696.7	6.6373	.02776	4.2820	2.8448	10.676	.88095
#3	1786.0	6.7782	.02663	4.3217	2.8156	10.529	.87506
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00						
Low Limit	-.10000						

Approved: April 05, 2011

Sample Name: L1103074204 Acquired: 4/4/2011 13:25:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.277**	F **3794.0**	F **-8136.7**	**.93100**	**.30417**	**2.8642**	**.01076**
Stddev	5.654	67.9	161.0	.01558	.00491	.0633	.00044
%RSD	32.723	1.7898	1.9790	1.6732	1.6137	2.2114	4.0543
#1	-20.701	3868.2	-8301.3	.94826	.30943	2.9244	.01126
#2	-20.378	3778.8	-8129.3	.92678	.30335	2.8700	.01044
#3	-10.751	3734.9	-7979.5	.91797	.29972	2.7982	.01058
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5962**	**1.9444**	**1.1684**	**1.8282**	**4.3824**	**.18263**
Stddev	.0672	.0852	.0197	.0169	.0751	.00098
%RSD	4.2127	4.3839	1.6836	.92355	1.7125	.53428
#1	1.5192	1.8481	1.1904	1.8407	4.4656	.18276
#2	1.6255	1.9752	1.1625	1.8348	4.3617	.18353
#3	1.6438	2.0101	1.1524	1.8090	4.3198	.18160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**48818.**	**61793.**
Stddev	624.	2378.
%RSD	1.2788	3.8489
#1	48125.	64137.
#2	48994.	61859.
#3	49336.	59382.

Approved: April 05, 2011

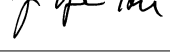
Sample Name: L1103074204SDL Acquired: 4/4/2011 13:29:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09317**	**38.053**	**.17837**	**.05852**	**1.2837**	**.08328**	**792.08**
Stddev	.00089	.312	.00049	.00093	.0072	.00027	13.08
%RSD	.95696	.81954	.27242	1.5924	.56389	.32224	1.6509
#1	.09354	37.734	.17835	.05867	1.2755	.08331	777.04
#2	.09381	38.357	.17790	.05937	1.2860	.08354	798.38
#3	.09215	38.068	.17887	.05753	1.2894	.08300	800.80
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04707**	**.21932**	**.47452**	**.50268**	**54.986**	**42.086**	**.14389**
Stddev	.00016	.00054	.00165	.00057	.409	.250	.00097
%RSD	.34889	.24823	.34769	.11289	.74350	.59356	.67719
#1	.04712	.21920	.47467	.50237	54.514	41.800	.14313
#2	.04689	.21884	.47610	.50334	55.220	42.265	.14355
#3	.04721	.21991	.47281	.50234	55.225	42.191	.14499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**378.68**	**1.4190**	**.00550**	**.83752**	**.63239**	**2.2328**	**.20449**
Stddev	3.50	.0143	.00035	.00285	.00252	.0055	.00200
%RSD	.92315	1.0065	6.3125	.34044	.39807	.24684	.97717
#1	374.66	1.4025	.00511	.83689	.63248	2.2325	.20444
#2	380.36	1.4280	.00558	.84063	.62982	2.2274	.20252
#3	381.02	1.4264	.00579	.83503	.63485	2.2385	.20651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1103074204SDL Acquired: 4/4/2011 13:29:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.114**	F **817.44**	F **-1562.9**	**.18525**	**.06004**	**.56581**	**.00155**
Stddev	5.714	1.54	2.9	.00113	.00308	.00363	.00023
%RSD	33.387	.18879	.18836	.60836	5.1335	.64162	15.093
#1	12.864	816.05	-1561.0	.18650	.05916	.56878	.00138
#2	14.869	817.17	-1561.4	.18492	.06346	.56177	.00181
#3	23.610	819.10	-1566.3	.18432	.05749	.56689	.00145
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30811**	**.39920**	**.27198**	**.36836**	**.96244**	**.03556**
Stddev	.00180	.00211	.00179	.00220	.00075	.00006
%RSD	.58444	.52947	.65931	.59820	.07808	.18064
#1	.30606	.39680	.27003	.37003	.96238	.03560
#2	.30945	.40000	.27238	.36919	.96172	.03559
#3	.30883	.40080	.27355	.36587	.96322	.03548
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58049.**	**64266.**
Stddev	25.	1070.
%RSD	.04269	1.6653
#1	58059.	65481.
#2	58021.	63855.
#3	58067.	63462.

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:33:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01852**	**7.7786**	**.03762**	**.01242**	**.25977**	**.01680**	**176.39**
Stddev	.00050	.0136	.00045	.00057	.00050	.00004	.35
%RSD	2.6884	.17508	1.2013	4.6210	.19195	.23007	.19963
#1	.01802	7.7655	.03713	.01206	.25922	.01677	176.03
#2	.01854	7.7927	.03769	.01309	.25991	.01685	176.73
#3	.01902	7.7777	.03803	.01212	.26019	.01679	176.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**.04734**	**.09797**	**.10690**	**11.417**	**8.4269**	**.02658**
Stddev	.00013	.00019	.00098	.00049	.035	.0144	.00015
%RSD	1.2631	.39980	1.0036	.45899	.30350	.17105	.57973
#1	.01018	.04717	.09823	.10675	11.378	8.4209	.02648
#2	.01014	.04731	.09881	.10650	11.429	8.4164	.02651
#3	.01038	.04755	.09689	.10744	11.445	8.4433	.02676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**77.423**	**.29841**	**.00080**	**.16097**	**.13604**	**.46966**	**.04424**
Stddev	.265	.00092	.00006	.00670	.00053	.00280	.00131
%RSD	.34171	.30828	7.6080	4.1640	.39216	.59586	2.9702
#1	77.124	.29741	.00080	.16163	.13542	.47268	.04455
#2	77.628	.29921	.00085	.16732	.13635	.46912	.04280
#3	77.517	.29863	.00073	.15396	.13634	.46716	.04537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:33:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.442**	F **183.74**	F **-305.19**	**.03691**	**.01236**	**.11153**	**-.00044**
Stddev	6.361	1.05	4.03	.00047	.00142	.00205	.00023
%RSD	41.191	.57104	1.3220	1.2771	11.513	1.8392	53.483
#1	9.3790	182.71	-300.66	.03641	.01350	.11292	-.00061
#2	22.063	183.71	-308.38	.03734	.01077	.11249	-.00053
#3	14.883	184.80	-306.54	.03698	.01283	.10917	-.00017
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06245**	**.07917**	**.06278**	**.07470**	**.20726**	**.00648**
Stddev	.00014	.00030	.00138	.00052	.00078	.00008
%RSD	.22122	.37331	2.2045	.69566	.37757	1.2049
#1	.06229	.07943	.06127	.07410	.20645	.00657
#2	.06250	.07922	.06399	.07502	.20733	.00641
#3	.06256	.07885	.06306	.07499	.20801	.00646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63431.**	**65967.**
Stddev	155.	289.
%RSD	.24492	.43747
#1	63598.	66250.
#2	63291.	65673.
#3	63403.	65977.

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:36:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**1.4757**	**.00848**	**.00265**	**.05050**	**.00328**	**33.936**
Stddev	.00054	.0113	.00062	.00028	.00048	.00001	.240
%RSD	17.710	.76315	7.2887	10.482	.94308	.26349	.70847
#1	.00278	1.4671	.00887	.00252	.04997	.00329	33.687
#2	.00364	1.4717	.00777	.00247	.05090	.00328	33.954
#3	.00265	1.4885	.00880	.00297	.05064	.00328	34.167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**.00960**	**.01937**	**.02107**	**2.2342**	**1.6429**	**.00342**
Stddev	.00003	.00006	.00013	.00064	.0174	.0122	.00074
%RSD	1.5903	.67687	.67387	3.0549	.78054	.74122	21.723
#1	.00204	.00956	.01951	.02033	2.2147	1.6417	.00427
#2	.00209	.00956	.01925	.02138	2.2394	1.6557	.00304
#3	.00211	.00967	.01936	.02150	2.2484	1.6314	.00293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.258**	**.05919**	**.00009**	**.03085**	**.02744**	**.09450**	**.00902**
Stddev	.059	.00021	.00028	.00646	.00011	.00063	.00013
%RSD	.38679	.36214	324.16	20.938	.40776	.66295	1.4481
#1	15.190	.05903	.00032	.03812	.02742	.09510	.00887
#2	15.286	.05943	.00017	.02577	.02735	.09455	.00912
#3	15.298	.05910	-.00023	.02866	.02757	.09385	.00906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103074204SDL Acquired: 4/4/2011 13:36:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360719-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.469**	F **39.393**	F **-54.001**	**.00573**	**.00050**	**.01517**	**-.00104**
Stddev	4.466	.231	3.545	.00081	.00119	.00023	.00021
%RSD	22.936	.58513	6.5640	14.117	237.25	1.5042	20.663
#1	20.763	39.189	-56.147	.00485	.00143	.01537	-.00080
#2	23.146	39.347	-49.910	.00589	.00090	.01522	-.00110
#3	14.500	39.643	-55.946	.00645	-.00084	.01492	-.00121
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01209**	**.01394**	**.01407**	**.01457**	**.04295**	**.00111**
Stddev	.00012	.00070	.00052	.00018	.00037	.00008
%RSD	.95254	5.0541	3.6997	1.2504	.86295	7.3428
#1	.01196	.01387	.01366	.01478	.04275	.00121
#2	.01217	.01327	.01390	.01451	.04272	.00107
#3	.01214	.01468	.01466	.01443	.04337	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65659.**	**66946.**
Stddev	85.	208.
%RSD	.13009	.31003
#1	65756.	67171.
#2	65628.	66904.
#3	65593.	66762.

Approved: April 05, 2011

Sample Name: L1104001101 Acquired: 4/4/2011 13:40:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00689**	**287.57**	**.18600**	**.26777**	**5.0621**	**.02638**	**123.85**
Stddev	.00003	.64	.00028	.00969	.0569	.00010	.25
%RSD	.37849	.22237	.15263	3.6171	1.1247	.38683	.20251
#1	.00691	288.08	.18573	.27544	5.1261	.02630	124.06
#2	.00689	287.77	.18629	.27099	5.0431	.02649	123.90
#3	.00686	286.85	.18597	.25689	5.0171	.02634	123.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02091**	**.41228**	**.38487**	**.58402**	**620.44**	**21.484**	**.17991**
Stddev	.00022	.00138	.00250	.00433	16.97	.046	.00051
%RSD	1.0748	.33587	.65017	.74056	2.7346	.21321	.28222
#1	.02115	.41155	.38205	.58063	634.93	21.535	.17995
#2	.02071	.41140	.38683	.58255	624.61	21.469	.17939
#3	.02086	.41387	.38574	.58889	601.78	21.447	.18040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.678**	**31.535**	**.01730**	**1.6142**	**.45980**	**4.4672**	**1.1537**
Stddev	.083	.209	.00023	.0055	.00159	.0332	.0053
%RSD	.23207	.66219	1.3515	.33869	.34534	.74376	.45489
#1	35.715	31.775	.01716	1.6112	.45947	4.4495	1.1500
#2	35.736	31.426	.01717	1.6109	.45840	4.4466	1.1514
#3	35.583	31.403	.01757	1.6205	.46153	4.5056	1.1597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101 Acquired: 4/4/2011 13:40:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.550**	F **305.41**	F **-11324.**	**.01487**	**.02202**	**1.6176**	**.01792**
Stddev	2.435	.55	30.	.00264	.00191	.0063	.00013
%RSD	16.735	.18077	.26590	17.720	8.6601	.39242	.71179
#1	-11.794	305.16	-11316.	.01303	.02126	1.6248	.01779
#2	-16.410	305.02	-11299.	.01370	.02061	1.6128	.01805
#3	-15.448	306.04	-11357.	.01789	.02419	1.6152	.01791
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76239**	**.12025**	**.02420**	**.65053**	**4.0005**	**.14478**
Stddev	.00133	.00086	.00145	.00183	.0114	.00062
%RSD	.17470	.71183	6.0104	.28128	.28535	.42903
#1	.76386	.12028	.02585	.65127	3.9925	.14467
#2	.76203	.12110	.02311	.65186	3.9954	.14544
#3	.76126	.11939	.02363	.64844	4.0136	.14422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63496.**	**69317.**
Stddev	102.	851.
%RSD	.16004	1.2273
#1	63385.	68423.
#2	63585.	69413.
#3	63519.	70116.

Approved: April 05, 2011

Sample Name: L1104001101PS Acquired: 4/4/2011 13:44:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18466**	**267.83**	**.34558**	**1.0743**	**5.0738**	**.04734**	**118.07**
Stddev	.00072	.58	.00172	.0031	.0317	.00018	.19
%RSD	.39037	.21827	.49736	.28611	.62474	.38772	.16341
#1	.18530	268.21	.34472	1.0710	5.0838	.04724	118.28
#2	.18388	267.16	.34447	1.0747	5.0994	.04723	117.90
#3	.18481	268.12	.34756	1.0771	5.0383	.04755	118.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04153**	**.46266**	**.58631**	**.74540**	**571.53**	**43.609**	**.64092**
Stddev	.00011	.00161	.00377	.00387	1.82	.041	.00101
%RSD	.26838	.34859	.64234	.51922	.31904	.09426	.15781
#1	.04146	.46132	.58237	.74202	570.66	43.655	.64201
#2	.04146	.46223	.58669	.74457	570.30	43.597	.64072
#3	.04166	.46445	.58987	.74962	573.62	43.576	.64002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.110**	**28.721**	**.48420**	**25.631**	**.63874**	**4.0889**	**1.2628**
Stddev	.081	.217	.00150	.066	.00025	.0010	.0029
%RSD	.21740	.75645	.30891	.25582	.03947	.02509	.22595
#1	37.037	28.491	.48582	25.706	.63886	4.0889	1.2632
#2	37.196	28.749	.48390	25.595	.63845	4.0900	1.2598
#3	37.095	28.923	.48288	25.591	.63890	4.0879	1.2654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101PS Acquired: 4/4/2011 13:44:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.691**	F **282.32**	F **-10339.**	**.54592**	**.19255**	**3.7251**	**.01672**
Stddev	2.903	1.12	48.	.00100	.00122	.0036	.00016
%RSD	18.500	.39720	.46821	.18294	.63445	.09539	.97198
#1	-18.980	281.64	-10303.	.54695	.19122	3.7278	.01654
#2	-13.490	281.69	-10320.	.54586	.19280	3.7211	.01679
#3	-14.602	283.61	-10394.	.54495	.19363	3.7265	.01684
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1756**	**.57686**	**.23249**	**1.0506**	**4.0823**	**.13242**
Stddev	.0037	.00090	.00214	.0010	.0069	.00077
%RSD	.31795	.15587	.92144	.09409	.16782	.57947
#1	1.1794	.57778	.23128	1.0512	4.0778	.13175
#2	1.1719	.57683	.23122	1.0494	4.0789	.13226
#3	1.1756	.57598	.23496	1.0511	4.0902	.13326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63726.**	**70393.**
Stddev	137.	331.
%RSD	.21433	.46996
#1	63720.	70214.
#2	63865.	70190.
#3	63592.	70774.

Approved: April 05, 2011

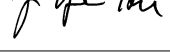
Sample Name: L1104001101SDL Acquired: 4/4/2011 13:47:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**60.086**	**.03956**	**.06241**	**1.0562**	**.00538**	**25.906**
Stddev	.00003	.234	.00063	.00025	.0015	.00002	.052
%RSD	2.0625	.38980	1.5816	.39396	.13961	.39082	.20151
#1	.00135	59.903	.03964	.06260	1.0550	.00536	25.868
#2	.00136	60.350	.03890	.06250	1.0578	.00537	25.965
#3	.00140	60.006	.04014	.06213	1.0558	.00540	25.885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.08907**	**.08060**	**.12618**	**136.75**	**4.6409**	**.03656**
Stddev	.00005	.00054	.00031	.00057	.16	.0318	.00010
%RSD	1.1800	.60066	.38951	.45280	.12032	.68482	.27182
#1	.00460	.08857	.08044	.12574	136.69	4.6687	.03647
#2	.00450	.08963	.08096	.12682	136.94	4.6478	.03654
#3	.00459	.08901	.08040	.12596	136.63	4.6063	.03666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.8424**	**6.7855**	**.00327**	**.32523**	**.09912**	**.99705**	**.26285**
Stddev	.0083	.0089	.00017	.00377	.00071	.00437	.00178
%RSD	.10608	.13075	5.3307	1.1596	.71537	.43853	.67593
#1	7.8461	6.7782	.00345	.32137	.09856	.99585	.26097
#2	7.8481	6.7953	.00326	.32540	.09992	1.0019	.26450
#3	7.8328	6.7828	.00310	.32891	.09889	.99340	.26308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104001101SDL Acquired: 4/4/2011 13:47:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.664**	F **68.549**	F **-2498.2**	**.00181**	**.00267**	**.34614**	**.00294**
Stddev	5.511	.512	18.7	.00099	.00193	.00341	.00008
%RSD	51.675	.74755	.74812	54.813	72.345	.98647	2.8535
#1	7.3066	68.094	-2479.4	.00231	.00480	.34221	.00304
#2	7.6615	69.104	-2516.8	.00246	.00104	.34841	.00288
#3	17.024	68.450	-2498.4	.00067	.00217	.34779	.00291
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15695**	**.02453**	**.00514**	**.13389**	**.86258**	**.02873**
Stddev	.00053	.00048	.00123	.00077	.00077	.00003
%RSD	.33524	1.9594	23.949	.57333	.08915	.09699
#1	.15644	.02411	.00584	.13304	.86173	.02871
#2	.15749	.02442	.00372	.13413	.86323	.02876
#3	.15691	.02505	.00586	.13452	.86279	.02871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66821.**	**68866.**
Stddev	304.	462.
%RSD	.45494	.67117
#1	67167.	69396.
#2	66703.	68661.
#3	66595.	68542.

Approved: April 05, 2011

Sample Name: L1104001101SDL Acquired: 4/4/2011 13:51:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**12.200**	**.00934**	**.01236**	**.21077**	**.00109**	**5.2212**
Stddev	.00014	.139	.00048	.00022	.00135	.00002	.0498
%RSD	43.980	1.1360	5.1436	1.7430	.64170	2.1774	.95461
#1	-.00044	12.116	.00963	.01261	.20931	.00111	5.1967
#2	-.00017	12.124	.00961	.01224	.21102	.00106	5.1883
#3	-.00038	12.360	.00879	.01223	.21198	.00109	5.2786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.01917**	**.01656**	**.02702**	**27.588**	**1.0185**	**.00628**
Stddev	.00004	.00021	.00042	.00037	.144	.0080	.00069
%RSD	4.6090	1.1177	2.5456	1.3735	.52142	.78442	11.003
#1	.00094	.01940	.01702	.02710	27.433	1.0277	.00595
#2	.00090	.01898	.01618	.02734	27.615	1.0138	.00707
#3	.00086	.01913	.01648	.02661	27.717	1.0139	.00582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6090**	**1.3884**	**.00060**	**.06215**	**.02094**	**.21797**	**.05636**
Stddev	.0060	.0020	.00017	.00430	.00024	.00087	.00078
%RSD	.37423	.14226	27.776	6.9171	1.1678	.40064	1.3829
#1	1.6129	1.3875	.00064	.06319	.02118	.21892	.05571
#2	1.6122	1.3869	.00075	.06584	.02069	.21781	.05614
#3	1.6021	1.3906	.00042	.05743	.02095	.21719	.05722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101SDL Acquired: 4/4/2011 13:51:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360719-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.7116**	F **15.072**	F **-534.51**	**-.00022**	**.00007**	**.06889**	**.00001**
Stddev	3.2590	.102	3.37	.00138	.00112	.00308	.00030
%RSD	33.558	.67368	.63056	616.18	1588.8	4.4672	4200.3
#1	11.297	15.181	-537.47	-.00001	-.00104	.06718	-.00025
#2	5.9632	14.980	-530.85	-.00170	.00119	.06704	.00034
#3	11.875	15.055	-535.22	.00104	.00006	.07244	-.00007
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03199**	**.00400**	**.00205**	**.02740**	**.18462**	**.00536**
Stddev	.00028	.00045	.00075	.00023	.00039	.00008
%RSD	.86837	11.301	36.604	.84322	.21368	1.5026
#1	.03180	.00364	.00136	.02767	.18418	.00546
#2	.03187	.00386	.00194	.02724	.18475	.00531
#3	.03231	.00451	.00285	.02730	.18493	.00533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**67023.**	**68435.**
Stddev	83.	299.
%RSD	.12359	.43646
#1	66978.	68344.
#2	67119.	68769.
#3	66972.	68193.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:54:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39186**	**10.265**	**.38691**	**.49638**	**1.0070**	**.04924**	**10.123**
Stddev	.00286	.088	.00085	.00494	.0042	.00033	.075
%RSD	.72872	.85563	.21964	.99545	.42008	.66933	.73689
#1	.39420	10.211	.38751	.50111	1.0057	.04948	10.091
#2	.38868	10.366	.38594	.49125	1.0117	.04886	10.208
#3	.39271	10.217	.38728	.49678	1.0036	.04937	10.070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04930**	**.19897**	**.50303**	**.49374**	**4.0545**	**50.682**	**1.0037**
Stddev	.00027	.00065	.00486	.00150	.0265	.182	.0014
%RSD	.54376	.32535	.96620	.30468	.65277	.35981	.14313
#1	.04947	.19930	.50511	.49466	4.0582	50.662	1.0037
#2	.04899	.19823	.49748	.49200	4.0790	50.873	1.0051
#3	.04944	.19940	.50651	.49455	4.0264	50.510	1.0022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.171**	**.50373**	**1.0006**	**50.921**	**.50164**	**9.7187**	**.50671**
Stddev	.059	.00078	.0018	.268	.00038	.0183	.00127
%RSD	.58206	.15552	.18089	.52660	.07489	.18853	.24966
#1	10.189	.50304	.99903	50.720	.50159	9.7318	.50594
#2	10.219	.50458	1.0026	51.225	.50129	9.6977	.50602
#3	10.105	.50356	1.0002	50.818	.50204	9.7265	.50817
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 13:54:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.150**	**10.123**	F **14.741**	**1.1829**	**.38713**	**4.9190**	**.99730**
Stddev	5.715	.057	3.184	.0005	.00134	.0085	.00167
%RSD	47.039	.56283	21.600	.04060	.34602	.17352	.16768
#1	14.231	10.176	11.340	1.1827	.38590	4.9288	.99622
#2	16.533	10.063	15.231	1.1825	.38694	4.9138	.99645
#3	5.6859	10.131	17.651	1.1834	.38856	4.9143	.99923
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0110**	**1.0008**	**.50261**	**.98249**	**1.0038**	**1.0010**
Stddev	.0051	.0020	.00107	.00617	.0026	.0112
%RSD	.50878	.19736	.21368	.62776	.25867	1.1140
#1	1.0059	1.0003	.50178	.98878	1.0031	1.0097
#2	1.0161	1.0030	.50223	.97645	1.0017	.98841
#3	1.0111	.99912	.50383	.98225	1.0067	1.0048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63371.**	**66038.**
Stddev	187.	1516.
%RSD	.29562	2.2948
#1	63330.	64718.
#2	63576.	65705.
#3	63208.	67693.

Approved: April 05, 2011

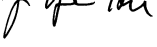
Sample Name: CCB Acquired: 4/4/2011 13:58:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**-.00379**	**-.00083**	**.00163**	**.00058**	**.00000**	**-.01755**
Stddev	.00021	.01346	.00151	.00050	.00023	.00002	.00233
%RSD	24.099	354.85	182.21	30.705	39.115	736.16	13.291
#1	-.00079	-.01282	-.00132	.00141	.00046	.00002	-.01655
#2	-.00069	.01168	-.00203	.00220	.00043	-.00001	-.01588
#3	-.00108	-.01024	.00087	.00128	.00084	-.00001	-.02021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00001**	**.00019**	**-.00042**	**-.00053**	**.11386**	**-.00110**
Stddev	.00002	.00013	.00049	.00025	.00231	.03192	.00049
%RSD	25.508	1764.5	264.43	58.606	435.43	28.035	44.830
#1	.00007	.00009	.00071	-.00020	-.00108	.14748	-.00109
#2	.00010	-.00014	.00011	-.00069	-.00251	.08397	-.00061
#3	.00012	.00008	-.00026	-.00037	.00200	.11013	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01049**	**.00002**	**.00004**	**-.00187**	**-.00011**	**.00226**	**-.00008**
Stddev	.00301	.00016	.00001	.00286	.00027	.00247	.00063
%RSD	28.732	1033.4	28.942	152.73	257.65	109.34	789.90
#1	-.00731	.00020	.00003	.00075	-.00007	.00000	.00064
#2	-.01331	-.00008	.00005	-.00145	.00015	.00490	-.00033
#3	-.01086	-.00007	.00005	-.00492	-.00040	.00188	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: CCB Acquired: 4/4/2011 13:58:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.706**	**-.02436**	F **2.8658**	**.00065**	**-.00081**	**.00097**	**-.00070**
Stddev	2.849	.01817	2.2587	.00099	.00081	.00096	.00005
%RSD	12.550	74.614	78.816	153.01	99.943	99.899	7.0721
#1	25.775	-.00340	5.1570	.00044	-.00060	.00115	-.00072
#2	22.197	-.03581	2.7994	.00172	-.00012	.00182	-.00074
#3	20.145	-.03385	.64102	-.00023	-.00170	-.00008	-.00065
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00189**	**-.00091**	**.00007**	**-.00030**	**-.00010**
Stddev	.00003	.00093	.00064	.00016	.00003	.00008
%RSD	118.11	49.280	70.600	227.74	9.8071	76.992
#1	-.00003	-.00081	-.00020	.00025	-.00033	-.00009
#2	.00001	-.00239	-.00144	-.00003	-.00027	-.00003
#3	-.00005	-.00246	-.00109	-.00001	-.00029	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65063.**	**65023.**
Stddev	121.	254.
%RSD	.18552	.39068
#1	64992.	64973.
#2	65202.	65299.
#3	64995.	64798.

Approved: April 05, 2011

Sample Name: L1104001101PS Acquired: 4/4/2011 14:01:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19591**	**261.93**	**.35034**	**1.0892**	**4.9418**	**.04795**	**115.60**
Stddev	.00084	2.96	.00165	.0080	.0341	.00027	1.04
%RSD	.42907	1.1313	.47178	.73197	.69065	.56199	.89623
#1	.19542	259.41	.34864	1.0814	4.9658	.04784	114.73
#2	.19543	265.20	.35195	1.0889	4.9027	.04775	116.75
#3	.19688	261.19	.35043	1.0973	4.9569	.04826	115.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04197**	**.46573**	**.58885**	**.75748**	**556.27**	**43.532**	**.64493**
Stddev	.00004	.00041	.00271	.00080	5.32	.318	.00345
%RSD	.08414	.08838	.45960	.10606	.95727	.73052	.53529
#1	.04201	.46579	.58902	.75826	550.24	43.231	.64120
#2	.04194	.46610	.58607	.75754	558.24	43.865	.64802
#3	.04197	.46528	.59147	.75666	560.33	43.499	.64556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.730**	**28.583**	**.49680**	**25.990**	**.64427**	**4.0845**	**1.2673**
Stddev	.300	.292	.00049	.246	.00061	.0096	.0024
%RSD	.81715	1.0216	.09920	.94525	.09504	.23524	.18751
#1	36.404	28.379	.49665	25.782	.64454	4.0951	1.2690
#2	36.995	28.917	.49735	26.261	.64357	4.0820	1.2646
#3	36.790	28.452	.49640	25.926	.64470	4.0764	1.2683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001101PS Acquired: 4/4/2011 14:01:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360719-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.449**	F **283.76**	F **-10380.**	**.56309**	**.19745**	**3.7862**	**.01724**
Stddev	2.725	.30	38.	.00144	.00166	.0167	.00027
%RSD	23.798	.10522	.36656	.25651	.84146	.44057	1.5589
#1	-12.800	283.59	-10406.	.56475	.19737	3.7912	.01746
#2	-8.3128	284.11	-10398.	.56241	.19914	3.7999	.01694
#3	-13.234	283.59	-10336.	.56211	.19582	3.7676	.01732
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1689**	**.58319**	**.23983**	**1.0641**	**4.0923**	**.63154**
Stddev	.0093	.00297	.00180	.0056	.0094	.00321
%RSD	.79276	.50979	.75084	.53079	.22958	.50887
#1	1.1615	.58055	.23920	1.0611	4.0831	.62922
#2	1.1793	.58641	.23843	1.0606	4.0919	.63019
#3	1.1659	.58260	.24186	1.0706	4.1019	.63521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63102.**	**69971.**
Stddev	75.	617.
%RSD	.11862	.88129
#1	63140.	70235.
#2	63151.	69266.
#3	63016.	70411.

Approved: April 05, 2011

Sample Name: L1104001105 Acquired: 4/4/2011 14:05:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00742**	**356.44**	**.19630**	**.28577**	**5.6773**	**.02871**	**240.04**
Stddev	.00017	1.09	.00249	.00442	.0622	.00006	.77
%RSD	2.3257	.30531	1.2660	1.5461	1.0958	.22359	.32213
#1	.00757	355.22	.19703	.28625	5.6095	.02878	239.18
#2	.00744	356.79	.19834	.28113	5.6906	.02870	240.25
#3	.00723	357.31	.19353	.28993	5.7317	.02865	240.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01861**	**.46390**	**.44776**	**.65503**	**651.55**	**27.595**	**.23639**
Stddev	.00018	.00112	.00221	.00298	7.53	.081	.00217
%RSD	.94439	.24173	.49268	.45478	1.1561	.29349	.91809
#1	.01851	.46261	.44927	.65187	652.74	27.508	.23394
#2	.01851	.46444	.44878	.65779	643.50	27.610	.23807
#3	.01882	.46465	.44523	.65544	658.43	27.668	.23717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.333**	**29.696**	**.02120**	**2.3037**	**.51365**	**5.0953**	**1.0288**
Stddev	.234	.449	.00020	.0137	.00077	.0125	.0015
%RSD	.55334	1.5108	.93973	.59394	.15008	.24608	.14284
#1	42.094	29.270	.02138	2.3172	.51280	5.0935	1.0271
#2	42.342	29.653	.02123	2.3041	.51383	5.1086	1.0295
#3	42.562	30.164	.02099	2.2898	.51431	5.0837	1.0299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001105 Acquired: 4/4/2011 14:05:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-21.821**	F **449.43**	F **-13482.**	**.01329**	**.02256**	**2.1282**	**.02075**
Stddev	3.799	1.28	61.	.00220	.00412	.0109	.00061
%RSD	17.412	.28512	.44951	16.577	18.262	.51160	2.9634
#1	-26.162	447.98	-13415.	.01260	.02348	2.1241	.02018
#2	-20.200	450.39	-13533.	.01576	.02614	2.1406	.02065
#3	-19.100	449.93	-13499.	.01152	.01806	2.1200	.02140
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2775**	**.18508**	**.02803**	**.75206**	**2.9275**	**.17517**
Stddev	.0013	.00110	.00099	.00120	.0053	.00063
%RSD	.10123	.59618	3.5150	.16013	.18278	.36114
#1	1.2761	.18557	.02696	.75305	2.9217	.17589
#2	1.2786	.18382	.02891	.75241	2.9286	.17495
#3	1.2779	.18586	.02821	.75072	2.9323	.17468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62728.**	**70874.**
Stddev	92.	284.
%RSD	.14698	.40011
#1	62832.	71150.
#2	62655.	70889.
#3	62696.	70583.

Approved: April 05, 2011

Sample Name: L1104001108S Acquired: 4/4/2011 14:09:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18615**	**483.24**	**.41458**	**1.0226**	**6.5411**	**.05739**	**205.26**
Stddev	.00148	4.81	.00224	.0101	.0690	.00025	1.68
%RSD	.79658	.99502	.53957	.98493	1.0553	.43804	.81893
#1	.18448	477.95	.41219	1.0110	6.4614	.05713	203.40
#2	.18729	484.43	.41491	1.0277	6.5812	.05740	205.68
#3	.18670	487.35	.41663	1.0290	6.5808	.05763	206.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04537**	**.45219**	**.79706**	**1.1200**	**791.42**	**60.705**	**.72398**
Stddev	.00024	.00182	.00197	.0068	13.37	.555	.00240
%RSD	.51848	.40246	.24668	.60931	1.6894	.91361	.33158
#1	.04510	.45010	.79604	1.1122	776.26	60.071	.72173
#2	.04553	.45339	.79582	1.1227	801.51	60.942	.72370
#3	.04548	.45309	.79933	1.1250	796.50	61.101	.72651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.187**	**30.987**	**.45861**	**26.074**	**.82947**	**5.6393**	**1.5948**
Stddev	.458	.860	.00180	.195	.00087	.0137	.0010
%RSD	.86136	2.7744	.39191	.74960	.10443	.24306	.05934
#1	52.660	31.103	.46020	25.861	.82847	5.6416	1.5950
#2	53.416	31.783	.45897	26.118	.83004	5.6518	1.5938
#3	53.486	30.075	.45666	26.244	.82990	5.6246	1.5957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001108S Acquired: 4/4/2011 14:09:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.115**	F **445.41**	F **-15393.**	**.49737**	**.17550**	**8.9098**	**.44104**
Stddev	2.186	2.33	146.	.00044	.00165	.0485	.00070
%RSD	12.771	.52290	.95063	.08932	.94066	.54484	.15961
#1	-14.969	442.76	-15224.	.49752	.17375	8.9204	.44037
#2	-19.339	446.33	-15465.	.49687	.17572	8.9521	.44177
#3	-17.039	447.13	-15489.	.49772	.17703	8.8568	.44097
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5492**	**1.0249**	**.22674**	**1.4017**	**4.2313**	**.46627**
Stddev	.0094	.0076	.00256	.0055	.0032	.00154
%RSD	.60442	.74504	1.1275	.39530	.07563	.33073
#1	1.5390	1.0161	.22955	1.3953	4.2278	.46449
#2	1.5513	1.0289	.22613	1.4055	4.2318	.46707
#3	1.5573	1.0298	.22455	1.4042	4.2341	.46724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62346.**	**68913.**
Stddev	168.	247.
%RSD	.26906	.35784
#1	62535.	69027.
#2	62214.	68630.
#3	62288.	69082.

Approved: April 05, 2011

Sample Name: L1104001109SD Acquired: 4/4/2011 14:13:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-06

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18897**	**385.12**	**.39051**	**.92563**	**4.9547**	**.05201**	**166.82**
Stddev	.00077	1.26	.00096	.00770	.0568	.00009	.43
%RSD	.40693	.32760	.24645	.83203	1.1459	.17032	.25709
#1	.18813	385.95	.39035	.92698	4.8928	.05192	166.92
#2	.18913	383.67	.39155	.91735	5.0043	.05200	166.35
#3	.18964	385.75	.38964	.93257	4.9670	.05210	167.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04828**	**.39693**	**.71958**	**.99954**	**725.73**	**51.891**	**.68281**
Stddev	.00018	.00064	.00105	.00391	11.32	.099	.00077
%RSD	.36452	.16068	.14658	.39146	1.5599	.19087	.11335
#1	.04844	.39726	.71972	1.0039	720.59	51.806	.68235
#2	.04809	.39734	.71846	.99826	717.89	51.867	.68371
#3	.04830	.39620	.72056	.99642	738.71	52.000	.68238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.243**	**22.999**	**.47354**	**25.542**	**.73422**	**6.0203**	**1.3735**
Stddev	.211	.260	.00095	.059	.00212	.0220	.0049
%RSD	.43656	1.1285	.20163	.23224	.28810	.36532	.35499
#1	48.024	23.050	.47331	25.513	.73530	6.0447	1.3791
#2	48.259	23.229	.47459	25.502	.73558	6.0146	1.3712
#3	48.444	22.717	.47272	25.610	.73178	6.0018	1.3703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001109SD Acquired: 4/4/2011 14:13:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-06

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.053**	F **448.70**	F **-17508.**	**.51695**	**.17667**	**8.5567**	**.44760**
Stddev	6.465	1.07	35.	.00385	.00115	.0437	.00056
%RSD	53.641	.23784	.19783	.74418	.65253	.51025	.12472
#1	-9.3005	449.90	-17548.	.52090	.17752	8.5973	.44825
#2	-19.439	448.34	-17492.	.51675	.17536	8.5623	.44724
#3	-7.4192	447.86	-17484.	.51321	.17714	8.5105	.44732
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3266**	**.80264**	**.23002**	**1.2990**	**4.2688**	**.44107**
Stddev	.0028	.00229	.00054	.0025	.0084	.00139
%RSD	.21078	.28587	.23365	.19339	.19647	.31418
#1	1.3273	.80227	.22965	1.3017	4.2767	.44145
#2	1.3235	.80056	.22976	1.2968	4.2698	.43953
#3	1.3290	.80510	.23063	1.2986	4.2600	.44222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62410.**	**69161.**
Stddev	262.	245.
%RSD	.41985	.35447
#1	62109.	68905.
#2	62540.	69185.
#3	62582.	69394.

Approved: April 05, 2011

Sample Name: L1103099501 Acquired: 4/4/2011 14:16:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**260.59**	**.63340**	**.37781**	**1.0157**	**.01808**
Stddev	.00043	1.97	.00171	.01046	.0051	.00005
%RSD	13.817	.75574	.27052	2.7679	.49880	.30408
#1	.00259	258.55	.63143	.36833	1.0151	.01801
#2	.00337	262.48	.63430	.37608	1.0210	.01810
#3	.00327	260.73	.63448	.38903	1.0109	.01811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**69.024**	**.01159**	**.38669**	**.41014**	**.85997**	F **987.76**
Stddev	.408	.00005	.00176	.00311	.00690	14.45
%RSD	.59144	.38954	.45640	.75849	.80267	1.4627
#1	68.647	.01156	.38490	.40674	.85369	972.56
#2	69.458	.01156	.38843	.41083	.86736	989.42
#3	68.968	.01164	.38672	.41284	.85886	1001.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.438**	**.47307**	**106.99**	**8.0262**	**.07162**	**2.9591**
Stddev	.122	.00246	.89	.0324	.00033	.0279
%RSD	.59888	.52060	.82736	.40315	.46583	.94455
#1	20.351	.47031	105.97	7.9946	.07199	2.9711
#2	20.578	.47384	107.45	8.0593	.07133	2.9790
#3	20.385	.47505	107.54	8.0248	.07155	2.9271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011

Sample Name: L1103099501 Acquired: 4/4/2011 14:16:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76192**	**11.159**	**.38236**	F **-8.2263**	F **16895.**	F **-1121e3**
Stddev	.00235	.020	.00179	5.1610	105.	11590.
%RSD	.30823	.17743	.46766	62.737	.62411	1.0341
#1	.75953	11.152	.38033	-13.666	16812.	-1118e3
#2	.76422	11.182	.38369	-7.6133	17014.	-1133e3
#3	.76201	11.144	.38307	-3.3992	16860.	-1111e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00718**	**.01425**	**2.1728**	**.01785**	**.34711**	**.27159**
Stddev	.00214	.00205	.0057	.00013	.00191	.00124
%RSD	29.867	14.362	.26097	.74086	.55138	.45690
#1	.00926	.01215	2.1677	.01770	.34643	.27129
#2	.00729	.01624	2.1789	.01792	.34927	.27295
#3	.00498	.01436	2.1718	.01794	.34563	.27052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01891**	**.40691**	**2.0699**	**.18379**
Stddev	.00181	.00136	.0067	.00122
%RSD	9.5975	.33482	.32191	.66565
#1	.01968	.40572	2.0623	.18243
#2	.01683	.40840	2.0747	.18413
#3	.02020	.40662	2.0727	.18480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: L1103099501 Acquired: 4/4/2011 14:16:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61519.**	**67669.**
Stddev	294.	217.
%RSD	.47859	.32065
#1	61814.	67914.
#2	61225.	67592.
#3	61518.	67501.

Approved: April 05, 2011

Sample Name: L1103099501PS Acquired: 4/4/2011 14:20:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18679**	**240.41**	**.76180**	**1.1714**	**1.3723**	**.03995**
Stddev	.00100	.98	.00033	.0132	.0035	.00014
%RSD	.53753	.40799	.04390	1.1254	.25251	.35422
#1	.18777	241.29	.76218	1.1688	1.3753	.04007
#2	.18577	239.35	.76158	1.1857	1.3729	.03998
#3	.18682	240.58	.76163	1.1597	1.3685	.03980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.012**	**.03315**	**.44588**	**.60396**	**1.0226**	F **910.43**
Stddev	.159	.00020	.00076	.00215	.0014	18.70
%RSD	.23783	.60598	.17109	.35662	.13554	2.0534
#1	67.134	.03321	.44614	.60567	1.0241	901.79
#2	66.831	.03332	.44648	.60468	1.0215	931.88
#3	67.070	.03293	.44503	.60154	1.0220	897.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.157**	**.90086**	**102.27**	**7.4871**	**.52605**	**26.676**
Stddev	.121	.00279	.36	.0353	.00143	.120
%RSD	.28660	.31009	.34714	.47186	.27104	.44874
#1	42.245	.89882	101.99	7.4607	.52746	26.660
#2	42.020	.90404	102.16	7.4733	.52608	26.564
#3	42.207	.89972	102.67	7.5272	.52461	26.802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011

Sample Name: L1103099501PS Acquired: 4/4/2011 14:20:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92008**	**10.256**	**.56726**	F **-2.9907**	F **16076.**	F **-1054e3**
Stddev	.00168	.030	.00318	3.8578	87.	3639.
%RSD	.18226	.29370	.55981	128.99	.54354	.34518
#1	.92181	10.282	.56735	-2.7942	15984.	-1055e3
#2	.91995	10.223	.57039	-6.9431	16157.	-1050e3
#3	.91847	10.264	.56404	.76507	16088.	-1057e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53547**	**.18821**	**4.2490**	**.01645**	**.78288**	**.70544**
Stddev	.00258	.00276	.0079	.00029	.00210	.00276
%RSD	.48149	1.4677	.18550	1.7812	.26824	.39116
#1	.53740	.18505	4.2580	.01653	.78359	.70226
#2	.53254	.18944	4.2455	.01670	.78051	.70695
#3	.53647	.19015	4.2434	.01613	.78452	.70712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.22816**	**.83740**	**2.3417**	**.16773**
Stddev	.00021	.00102	.0038	.00105
%RSD	.09000	.12237	.16206	.62369
#1	.22803	.83782	2.3445	.16835
#2	.22805	.83814	2.3431	.16833
#3	.22839	.83623	2.3374	.16653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: L1103099501PS Acquired: 4/4/2011 14:20:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360505-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60913.**	**66574.**
Stddev	151.	287.
%RSD	.24732	.43164
#1	60778.	66442.
#2	60886.	66904.
#3	61076.	66376.

Approved: April 05, 2011

Sample Name: L1103099503 Acquired: 4/4/2011 14:24:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**207.29**	**.23065**	**.28227**	**24.169**	**.01654**
Stddev	.00028	1.20	.00189	.00427	.269	.00006
%RSD	2.4968	.57674	.81757	1.5134	1.1142	.34735
#1	.01148	206.18	.23255	.27782	24.115	.01652
#2	.01105	208.56	.23063	.28263	24.461	.01649
#3	.01096	207.13	.22878	.28634	23.931	.01660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**247.62**	**.02447**	**.26456**	**.45588**	**1.2785**	**583.89**
Stddev	1.49	.00003	.00047	.00103	.0018	8.80
%RSD	.60054	.11275	.17743	.22626	.14159	1.5070
#1	246.04	.02450	.26404	.45691	1.2779	576.41
#2	248.99	.02447	.26495	.45485	1.2805	581.67
#3	247.83	.02445	.26468	.45588	1.2770	593.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**57.919**	**.39971**	**110.31**	**9.9673**	**.29062**	**148.59**
Stddev	.344	.00140	.50	.0442	.00034	.30
%RSD	.59343	.34944	.45629	.44332	.11533	.20352
#1	57.542	.39832	109.74	9.9174	.29040	148.64
#2	58.216	.40112	110.68	10.002	.29045	148.27
#3	57.999	.39969	110.51	9.9826	.29101	148.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011

Sample Name: L1103099503 Acquired: 4/4/2011 14:24:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77687**	**8.0003**	**.93019**	F **-1.4681**	F **4270.5**	F **-246380.**
Stddev	.00098	.0123	.00099	6.5947	4.6	295.
%RSD	.12562	.15392	.10638	449.21	.10849	.11983
#1	.77706	7.9911	.92908	-2.7973	4270.5	-246350.
#2	.77581	8.0143	.93096	5.6900	4275.1	-246680.
#3	.77774	7.9955	.93054	-7.2969	4265.8	-246090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02882**	**.03414**	**2.9034**	**.01476**	**1.8845**	**.94113**
Stddev	.00285	.00160	.0013	.00017	.0092	.00584
%RSD	9.8738	4.6829	.04519	1.1346	.48664	.62057
#1	.02949	.03356	2.9020	.01457	1.8745	.93470
#2	.02570	.03595	2.9045	.01480	1.8926	.94611
#3	.03128	.03291	2.9039	.01490	1.8865	.94259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.03294**	**.55342**	**2.3402**	**.17815**
Stddev	.00101	.00154	.0034	.00023
%RSD	3.0702	.27909	.14367	.13057
#1	.03362	.55463	2.3373	.17827
#2	.03342	.55168	2.3393	.17788
#3	.03178	.55395	2.3439	.17830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: L1103099503 Acquired: 4/4/2011 14:24:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59472.**	**66865.**
Stddev	135.	109.
%RSD	.22637	.16253
#1	59327.	66749.
#2	59593.	66882.
#3	59496.	66964.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 14:28:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39883**	**10.397**	**.39244**	**.49866**	**1.0131**	**.04988**	**10.283**
Stddev	.00081	.365	.00084	.00077	.0345	.00035	.357
%RSD	.20305	3.5149	.21487	.15465	3.4097	.69797	3.4710
#1	.39894	10.809	.39155	.49777	1.0529	.04953	10.693
#2	.39958	10.270	.39257	.49907	.99581	.04987	10.114
#3	.39797	10.111	.39322	.49914	.99064	.05023	10.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05002**	**.20219**	**.50795**	**.50328**	F **4.8049**	**50.514**	**.99596**
Stddev	.00007	.00050	.00421	.00139	1.1406	.111	.00039
%RSD	.14479	.24519	.82936	.27637	23.739	.21919	.03891
#1	.04994	.20162	.50396	.50173	6.1203	50.520	.99611
#2	.05008	.20251	.50754	.50368	4.2056	50.621	.99552
#3	.05003	.20245	.51235	.50442	4.0889	50.400	.99625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
Value					4.0000		
Range					10.000%		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.497**	**.51694**	**.99510**	**50.692**	**.50464**	**9.8053**	**.51045**
Stddev	.218	.01705	.00186	.187	.00125	.0086	.00218
%RSD	2.0799	3.2991	.18667	.36844	.24687	.08804	.42746
#1	10.745	.53650	.99722	50.728	.50328	9.7956	.50931
#2	10.410	.50914	.99431	50.857	.50492	9.8085	.50908
#3	10.335	.50518	.99376	50.489	.50572	9.8120	.51297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 14:28:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.994**	**10.761**	F **-7.6426**	**1.1927**	**.39238**	**4.9217**	**1.0104**
Stddev	6.328	.007	3.1023	.0023	.00202	.0031	.0013
%RSD	20.417	.06162	40.593	.18975	.51371	.06219	.12448
#1	26.878	10.755	-7.4416	1.1928	.39110	4.9202	1.0089
#2	38.281	10.760	-10.841	1.1949	.39470	4.9252	1.0111
#3	27.824	10.768	-4.6456	1.1904	.39133	4.9196	1.0112
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99532**	**.99606**	**.51179**	**.99436**	**1.0169**	**.99258**
Stddev	.00339	.00237	.00154	.00315	.0025	.00618
%RSD	.34069	.23840	.30166	.31658	.24578	.62244
#1	.99622	.99686	.51002	.99082	1.0140	.98550
#2	.99816	.99793	.51254	.99538	1.0185	.99540
#3	.99157	.99339	.51282	.99686	1.0182	.99684
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63612.**	**65014.**
Stddev	299.	129.
%RSD	.47074	.19828
#1	63948.	65061.
#2	63513.	64868.
#3	63374.	65113.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 14:31:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**.01882**	**.00061**	**.00202**	**.00071**	**.00001**	**-.02005**
Stddev	.00039	.00395	.00060	.00027	.00016	.00001	.00332
%RSD	58.777	21.014	97.207	13.323	22.561	116.39	16.583
#1	-.00046	.01728	.00021	.00187	.00053	.00001	-.02162
#2	-.00042	.02331	.00033	.00186	.00080	.00003	-.01623
#3	-.00112	.01587	.00130	.00233	.00081	.00000	-.02229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00001**	**.00017**	**-.00006**	**.00740**	**.19470**	**-.00167**
Stddev	.00006	.00010	.00012	.00011	.00155	.03880	.00141
%RSD	60.009	824.26	67.633	187.70	20.970	19.927	84.027
#1	.00013	-.00002	.00019	-.00014	.00853	.23900	-.00267
#2	.00003	.00009	.00028	-.00011	.00803	.17836	-.00229
#3	.00014	-.00011	.00005	.00007	.00563	.16674	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.00019**	**.00001**	**-.00447**	**.00004**	**.00501**	**-.00076**
Stddev	.00489	.00010	.00014	.00319	.00015	.00140	.00040
%RSD	135.96	52.663	1783.5	71.371	374.86	27.965	52.030
#1	.00442	.00030	.00014	-.00813	.00012	.00383	-.00112
#2	.00801	.00016	-.00014	-.00301	.00013	.00465	-.00084
#3	-.00165	.00011	.00002	-.00227	-.00013	.00656	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 14:31:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **33.017**	**.14650**	F **-7.2052**	**.00063**	**-.00116**	**.00161**	**-.00065**
Stddev	.995	.01604	2.0288	.00129	.00050	.00011	.00022
%RSD	3.0146	10.952	28.157	204.95	42.711	6.5662	34.463
#1	34.017	.15123	-5.6009	.00186	-.00131	.00166	-.00086
#2	32.027	.15965	-9.4857	.00073	-.00157	.00149	-.00067
#3	33.007	.12862	-6.5288	-.00071	-.00061	.00168	-.00041
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00123**	**-.00063**	**.00023**	**-.00024**	**-.00010**
Stddev	.00005	.00057	.00031	.00012	.00003	.00007
%RSD	59.489	46.460	48.289	52.047	10.826	67.107
#1	.00008	-.00079	-.00075	.00037	-.00027	-.00007
#2	.00013	-.00102	-.00029	.00013	-.00024	-.00019
#3	.00003	-.00187	-.00087	.00021	-.00022	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64828.**	**64676.**
Stddev	32.	498.
%RSD	.04876	.77059
#1	64842.	64107.
#2	64850.	64886.
#3	64792.	65034.

Approved: April 05, 2011

Sample Name: L1104001102 Acquired: 4/4/2011 14:35:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00837**	**346.45**	**.21097**	**.28695**	**5.6730**	**.02877**	**198.05**
Stddev	.00027	2.64	.00170	.00713	.1233	.00013	1.21
%RSD	3.2668	.76304	.80752	2.4836	2.1730	.46848	.61231
#1	.00851	343.40	.21262	.28229	5.5898	.02889	196.65
#2	.00855	348.14	.20922	.29516	5.8147	.02878	198.84
#3	.00806	347.80	.21107	.28342	5.6146	.02863	198.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01569**	**.42091**	**.42973**	**.55236**	**691.49**	**26.403**	**.22254**
Stddev	.00020	.00271	.00262	.00655	11.29	.130	.00123
%RSD	1.2796	.64313	.61034	1.1867	1.6329	.49103	.55329
#1	.01551	.42398	.43178	.55978	683.41	26.255	.22188
#2	.01590	.41985	.43064	.54998	704.39	26.455	.22179
#3	.01566	.41889	.42678	.54734	686.66	26.498	.22396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.200**	**32.934**	**.01633**	**1.9576**	**.51148**	**4.8076**	**.82319**
Stddev	.287	.205	.00031	.0033	.00124	.0306	.00224
%RSD	.69647	.62363	1.9104	.17036	.24286	.63539	.27151
#1	40.875	33.011	.01669	1.9586	.51260	4.8388	.82407
#2	41.418	33.091	.01615	1.9539	.51171	4.7778	.82065
#3	41.306	32.702	.01616	1.9603	.51014	4.8062	.82486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001102 Acquired: 4/4/2011 14:35:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.919**	F **354.46**	F **-9937.6**	**.01262**	**.02122**	**2.0811**	**.01779**
Stddev	7.883	2.13	108.1	.00067	.00329	.0079	.00023
%RSD	56.639	.60231	1.0875	5.3100	15.489	.37792	1.2656
#1	-23.020	356.83	-10054.	.01310	.02105	2.0901	.01792
#2	-9.5194	353.87	-9918.3	.01291	.02458	2.0754	.01792
#3	-9.2170	352.68	-9840.4	.01186	.01802	2.0779	.01753
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95457**	**.16284**	**.03180**	**.78600**	**2.3694**	**.16184**
Stddev	.00414	.00061	.00163	.00497	.0023	.00138
%RSD	.43334	.37308	5.1325	.63255	.09734	.85253
#1	.94985	.16221	.03199	.79147	2.3721	.16262
#2	.95630	.16287	.03332	.78476	2.3684	.16265
#3	.95756	.16343	.03008	.78176	2.3678	.16024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62523.**	**69961.**
Stddev	284.	597.
%RSD	.45405	.85403
#1	62216.	70307.
#2	62576.	69272.
#3	62776.	70306.

Approved: April 05, 2011

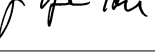
Sample Name: L1104001103 Acquired: 4/4/2011 14:38:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01615**	**431.50**	**.23944**	**.33534**	**10.359**	**.03094**	**135.79**
Stddev	.00014	3.23	.00165	.00502	.170	.00020	.63
%RSD	.86814	.74956	.68717	1.4981	1.6406	.66189	.46247
#1	.01604	431.24	.23991	.33095	10.165	.03117	135.78
#2	.01631	428.41	.23761	.33427	10.429	.03077	135.17
#3	.01610	434.86	.24080	.34082	10.483	.03087	136.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02114**	**.69395**	**.49109**	**.59373**	**801.92**	**36.011**	**.28130**
Stddev	.00015	.00170	.00538	.00394	10.73	.139	.00174
%RSD	.70083	.24533	1.0964	.66392	1.3376	.38567	.61723
#1	.02106	.69591	.49727	.59777	792.52	36.046	.28317
#2	.02105	.69299	.48857	.59354	799.64	35.859	.28098
#3	.02131	.69294	.48742	.58989	813.60	36.130	.27974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.917**	**69.245**	**.02142**	**2.3178**	**.69175**	**4.8364**	**.87036**
Stddev	.378	.963	.00013	.0106	.00202	.0232	.00219
%RSD	.78882	1.3908	.60328	.45860	.29136	.47909	.25219
#1	47.886	68.445	.02139	2.3098	.69402	4.8631	.87279
#2	47.556	68.975	.02157	2.3138	.69106	4.8217	.86976
#3	48.310	70.314	.02131	2.3299	.69017	4.8243	.86852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104001103 Acquired: 4/4/2011 14:38:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.256**	F **402.00**	F **-15942.**	**.01195**	**.03687**	**1.8500**	**.02038**
Stddev	2.633	1.36	46.	.00139	.00244	.0019	.00074
%RSD	16.195	.33928	.28747	11.621	6.6153	.10332	3.6202
#1	-17.021	403.52	-15985.	.01137	.03424	1.8519	.02108
#2	-18.421	401.60	-15946.	.01094	.03729	1.8501	.01961
#3	-13.325	400.88	-15894.	.01353	.03906	1.8481	.02045
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88777**	**.31887**	**.05390**	**.93831**	**2.3241**	**.17814**
Stddev	.00311	.00075	.00236	.00574	.0065	.00164
%RSD	.35069	.23404	4.3816	.61212	.27859	.92095
#1	.88675	.31964	.05237	.94341	2.3315	.17988
#2	.88530	.31814	.05662	.93942	2.3195	.17791
#3	.89127	.31884	.05271	.93209	2.3213	.17663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62785.**	**71171.**
Stddev	276.	997.
%RSD	.43964	1.4013
#1	62466.	71405.
#2	62929.	72031.
#3	62959.	70077.

Approved: April 05, 2011

Sample Name: L1104001104 Acquired: 4/4/2011 14:42:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00901**	**326.67**	**.18998**	**.25964**	**5.6198**	**.02715**	**117.38**
Stddev	.00008	2.19	.00150	.00572	.1775	.00004	.76
%RSD	.84122	.67013	.78976	2.2022	3.1588	.15638	.65151
#1	.00896	324.14	.18983	.25318	5.6144	.02715	116.51
#2	.00896	327.87	.19156	.26405	5.7999	.02710	117.67
#3	.00909	327.99	.18857	.26169	5.4450	.02719	117.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01788**	**.46257**	**.42591**	**.57171**	**624.85**	**25.354**	**.20886**
Stddev	.00012	.00062	.00210	.00175	9.04	.151	.00040
%RSD	.69500	.13464	.49339	.30689	1.4470	.59615	.18952
#1	.01773	.46324	.42789	.57320	614.57	25.188	.20840
#2	.01793	.46246	.42370	.56978	631.57	25.390	.20912
#3	.01796	.46202	.42615	.57215	628.41	25.484	.20904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.624**	**39.851**	**.01621**	**1.9433**	**.55573**	**4.6494**	**.85965**
Stddev	.220	.537	.00024	.0087	.00056	.0203	.00153
%RSD	.56834	1.3478	1.4625	.44558	.10064	.43600	.17756
#1	38.387	39.230	.01605	1.9333	.55626	4.6720	.86129
#2	38.820	40.153	.01648	1.9473	.55578	4.6436	.85939
#3	38.666	40.168	.01610	1.9492	.55515	4.6327	.85827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001104 Acquired: 4/4/2011 14:42:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.440**	F **293.05**	F **-10575.**	**.01497**	**.02501**	**2.2637**	**.01791**
Stddev	1.471	.21	8.	.00380	.00246	.0074	.00028
%RSD	8.9464	.07241	.07401	25.369	9.8204	.32658	1.5830
#1	-17.452	293.27	-10578.	.01662	.02656	2.2653	.01785
#2	-17.116	293.03	-10566.	.01063	.02218	2.2701	.01822
#3	-14.753	292.85	-10581.	.01766	.02629	2.2556	.01766
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75493**	**.18114**	**.03236**	**.72655**	**2.4145**	**.16278**
Stddev	.00292	.00368	.00030	.00221	.0014	.00002
%RSD	.38635	2.0296	.92188	.30430	.05785	.01281
#1	.75167	.18268	.03258	.72908	2.4144	.16280
#2	.75586	.17694	.03202	.72553	2.4160	.16278
#3	.75728	.18378	.03248	.72503	2.4132	.16275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63092.**	**71244.**
Stddev	89.	601.
%RSD	.14106	.84319
#1	63001.	71305.
#2	63096.	70615.
#3	63179.	71811.

Approved: April 05, 2011

Sample Name: L1104001901 Acquired: 4/4/2011 14:46:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01759**	**344.99**	**.21736**	**.27229**	**1.9320**	**.01165**	**26.486**
Stddev	.00056	2.51	.00156	.00483	.0019	.00006	.134
%RSD	3.2025	.72805	.71850	1.7755	.09993	.55008	.50485
#1	.01812	345.85	.21913	.26914	1.9336	.01167	26.549
#2	.01700	346.95	.21615	.27786	1.9324	.01158	26.577
#3	.01766	342.16	.21681	.26987	1.9298	.01171	26.333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.15552**	**1.5859**	**.28148**	**739.08**	**7.7553**	**.18057**
Stddev	.00012	.00025	.0094	.00279	6.23	.0393	.00069
%RSD	2.3446	.15999	.59354	.99131	.84285	.50622	.38020
#1	.00493	.15547	1.5862	.27946	734.78	7.7496	.17981
#2	.00512	.15530	1.5764	.28466	746.23	7.7971	.18073
#3	.00514	.15579	1.5952	.28031	736.25	7.7192	.18116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6172**	**15.616**	**.02270**	**.36159**	**.17009**	**5.0150**	**.85822**
Stddev	.0269	.048	.00006	.00697	.00132	.0161	.00047
%RSD	.27928	.30927	.27500	1.9265	.77878	.32102	.05464
#1	9.6313	15.630	.02268	.35754	.17060	5.0245	.85816
#2	9.6341	15.656	.02278	.35760	.16859	4.9964	.85779
#3	9.5862	15.563	.02266	.36964	.17109	5.0241	.85872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001901 Acquired: 4/4/2011 14:46:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.1779**	F **93.732**	F **-3928.8**	**.01757**	**.00997**	**3.0393**	**.02848**
Stddev	2.2383	.221	19.3	.00192	.00320	.0181	.00019
%RSD	24.388	.23550	.49090	10.902	32.146	.59589	.67038
#1	-11.213	93.971	-3937.5	.01977	.00627	3.0601	.02855
#2	-9.5393	93.536	-3906.7	.01622	.01183	3.0307	.02863
#3	-6.7809	93.690	-3942.2	.01674	.01180	3.0271	.02827
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16306**	**1.0100**	**.05240**	**1.6611**	**.87107**	**.42753**
Stddev	.00108	.0013	.00033	.0050	.00126	.00113
%RSD	.66463	.12604	.62965	.30113	.14431	.26462
#1	.16359	1.0104	.05229	1.6559	.86977	.42786
#2	.16378	1.0110	.05214	1.6615	.87116	.42627
#3	.16182	1.0085	.05277	1.6658	.87228	.42847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62721.**	**69675.**
Stddev	26.	584.
%RSD	.04075	.83851
#1	62707.	69236.
#2	62750.	69450.
#3	62704.	70338.

Approved: April 05, 2011

Sample Name: L1104001902 Acquired: 4/4/2011 14:49:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**242.07**	**.12874**	**.14403**	**1.5235**	**.01271**	**31.728**
Stddev	.00045	.70	.00104	.00406	.0054	.00002	.068
%RSD	4.5281	.29087	.81098	2.8164	.35191	.17618	.21549
#1	.01034	242.57	.12775	.13990	1.5296	.01274	31.791
#2	.00947	241.26	.12862	.14419	1.5194	.01271	31.655
#3	.00974	242.37	.12983	.14800	1.5215	.01269	31.736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**.14639**	**1.2400**	**.15794**	**378.54**	**5.4368**	**.13697**
Stddev	.00007	.00019	.0034	.00042	4.89	.0555	.00102
%RSD	1.9554	.13196	.27188	.26628	1.2906	1.0205	.74487
#1	.00342	.14631	1.2363	.15836	373.13	5.4807	.13759
#2	.00355	.14625	1.2408	.15752	379.89	5.3744	.13579
#3	.00346	.14661	1.2429	.15792	382.61	5.4552	.13752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.6748**	**16.247**	**.01112**	**.50898**	**.14695**	**3.8994**	**.32657**
Stddev	.0259	.004	.00028	.00244	.00032	.0111	.00160
%RSD	.29899	.02456	2.5272	.47874	.21527	.28364	.49057
#1	8.6459	16.250	.01141	.50621	.14677	3.9086	.32668
#2	8.6960	16.250	.01085	.51079	.14676	3.8871	.32492
#3	8.6826	16.243	.01109	.50994	.14732	3.9025	.32812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104001902 Acquired: 4/4/2011 14:49:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.6255**	F **82.429**	F **-2921.9**	**.00889**	**.00925**	**3.1344**	**.01415**
Stddev	5.8871	.098	8.0	.00305	.00252	.0082	.00032
%RSD	77.203	.11949	.27415	34.278	27.277	.26033	2.2738
#1	-12.322	82.477	-2928.6	.00812	.00725	3.1424	.01389
#2	-1.0210	82.316	-2924.0	.01225	.00841	3.1347	.01405
#3	-9.5337	82.495	-2913.0	.00630	.01208	3.1261	.01451
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12199**	**.62402**	**.02652**	**.86573**	**.70228**	**.18515**
Stddev	.00040	.00258	.00121	.00324	.00090	.00164
%RSD	.32397	.41317	4.5562	.37473	.12884	.88325
#1	.12243	.62621	.02643	.86346	.70227	.18328
#2	.12166	.62118	.02535	.86945	.70138	.18588
#3	.12187	.62466	.02776	.86429	.70319	.18630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65447.**	**71565.**
Stddev	81.	223.
%RSD	.12365	.31093
#1	65354.	71309.
#2	65489.	71710.
#3	65500.	71677.

Approved: April 05, 2011

Sample Name: L1104003401 Acquired: 4/4/2011 14:53:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00493**	**328.98**	**.09111**	**.21761**	**1.0933**	**.00783**	**102.08**
Stddev	.00039	.49	.00127	.00413	.0036	.00003	.11
%RSD	7.8464	.14829	1.3986	1.8972	.33204	.38612	.11190
#1	.00460	329.48	.09050	.21682	1.0972	.00780	102.21
#2	.00484	328.97	.09026	.22207	1.0900	.00786	102.00
#3	.00536	328.50	.09258	.21393	1.0926	.00784	102.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00355**	**.05121**	**.55910**	**.24385**	**564.39**	**12.280**	**.22409**
Stddev	.00005	.00045	.00144	.00438	6.39	.018	.00119
%RSD	1.5224	.87362	.25731	1.7974	1.1321	.14946	.52951
#1	.00361	.05080	.55771	.23991	560.88	12.301	.22448
#2	.00351	.05113	.56058	.24308	571.77	12.269	.22504
#3	.00352	.05168	.55901	.24857	560.54	12.269	.22276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.152**	**2.0375**	**.01763**	**.48058**	**.11038**	**4.2195**	**.30402**
Stddev	.082	.0020	.00017	.00250	.00100	.0116	.00339
%RSD	.20459	.09954	.93631	.52079	.90221	.27585	1.1161
#1	40.147	2.0388	.01763	.48220	.11092	4.2150	.30286
#2	40.072	2.0351	.01779	.48184	.10923	4.2108	.30136
#3	40.236	2.0385	.01746	.47770	.11098	4.2328	.30784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003401 Acquired: 4/4/2011 14:53:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.214**	F **235.19**	F **-8302.1**	**.00463**	**.00594**	**2.7328**	**.01702**
Stddev	4.841	1.50	70.0	.00188	.00111	.0157	.00041
%RSD	43.172	.63696	.84347	40.627	18.646	.57306	2.4155
#1	-15.192	234.36	-8250.7	.00673	.00706	2.7210	.01679
#2	-12.626	234.29	-8273.7	.00308	.00590	2.7270	.01749
#3	-5.8237	236.92	-8381.8	.00410	.00485	2.7506	.01677
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12464**	**.65101**	**.01551**	**.70311**	**.35706**	**.18241**
Stddev	.00011	.00321	.00046	.00177	.00056	.00044
%RSD	.08555	.49264	2.9350	.25126	.15701	.24362
#1	.12454	.65423	.01592	.70332	.35699	.18290
#2	.12475	.64782	.01502	.70124	.35653	.18231
#3	.12463	.65097	.01560	.70475	.35765	.18203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60190.**	**67407.**
Stddev	228.	118.
%RSD	.37834	.17512
#1	60206.	67271.
#2	60410.	67467.
#3	59955.	67483.

Approved: April 05, 2011

Sample Name: L1104003402 Acquired: 4/4/2011 14:56:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00451**	**354.44**	**.07322**	**.20773**	**1.6068**	**.01093**	**17.069**
Stddev	.00042	1.45	.00120	.00241	.0037	.00005	.046
%RSD	9.3658	.41042	1.6391	1.1600	.23033	.41836	.26874
#1	.00483	355.27	.07460	.21027	1.6071	.01092	17.081
#2	.00403	355.28	.07271	.20746	1.6103	.01088	17.107
#3	.00466	352.76	.07237	.20547	1.6029	.01097	17.018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00332**	**.07012**	**.51538**	**.24306**	**548.80**	**14.406**	**.22388**
Stddev	.00002	.00025	.00228	.00209	6.32	.025	.00034
%RSD	.64968	.35104	.44197	.85819	1.1517	.17324	.15309
#1	.00330	.07036	.51341	.24137	555.05	14.430	.22357
#2	.00334	.06987	.51485	.24242	548.95	14.380	.22425
#3	.00332	.07014	.51788	.24539	542.41	14.407	.22381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.856**	**3.6458**	**.01175**	**.52985**	**.13631**	**5.6944**	**.29877**
Stddev	.040	.0030	.00046	.00831	.00065	.0101	.00173
%RSD	.23603	.08135	3.8954	1.5692	.47839	.17718	.57891
#1	16.839	3.6472	.01224	.53692	.13584	5.7054	.29943
#2	16.901	3.6478	.01133	.53193	.13605	5.6856	.30007
#3	16.827	3.6424	.01168	.52069	.13706	5.6923	.29681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003402 Acquired: 4/4/2011 14:56:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.4159**	F **122.60**	F **-6320.2**	**.00210**	**.00648**	**2.6285**	**.01591**
Stddev	2.3766	.45	42.3	.00210	.00051	.0102	.00011
%RSD	28.239	.36947	.67003	99.810	7.8670	.38848	.68983
#1	-11.160	122.98	-6364.3	.00108	.00626	2.6403	.01602
#2	-7.0137	122.10	-6279.9	.00071	.00706	2.6238	.01589
#3	-7.0741	122.72	-6316.3	.00452	.00611	2.6215	.01581
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08408**	**.75744**	**.01456**	**.67069**	**.44345**	**.14904**
Stddev	.00025	.00169	.00102	.00198	.00083	.00050
%RSD	.29975	.22265	7.0359	.29539	.18644	.33510
#1	.08434	.75736	.01564	.67287	.44438	.14861
#2	.08406	.75917	.01441	.66899	.44318	.14891
#3	.08384	.75580	.01361	.67021	.44279	.14959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61330.**	**67801.**
Stddev	236.	99.
%RSD	.38412	.14542
#1	61067.	67837.
#2	61522.	67690.
#3	61400.	67877.

Approved: April 05, 2011

Sample Name: L1104003403 Acquired: 4/4/2011 15:00:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**353.89**	**.06680**	**.19922**	**1.5504**	**.00997**	**25.378**
Stddev	.00043	1.20	.00047	.00160	.0017	.00008	.070
%RSD	14.444	.33998	.70946	.80448	.10838	.77298	.27464
#1	.00342	352.69	.06734	.19809	1.5523	.00989	25.306
#2	.00255	353.88	.06649	.20105	1.5496	.00999	25.383
#3	.00301	355.10	.06656	.19851	1.5492	.01004	25.445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00369**	**.05577**	**.45066**	**.27924**	**501.12**	**18.951**	**.21643**
Stddev	.00006	.00048	.00382	.00381	2.39	.047	.00179
%RSD	1.5224	.85304	.84872	1.3658	.47607	.24820	.82748
#1	.00367	.05562	.44706	.27641	498.37	18.914	.21850
#2	.00375	.05540	.45025	.27773	502.27	18.934	.21539
#3	.00364	.05631	.45468	.28358	502.71	19.004	.21541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.069**	**3.6419**	**.01316**	**.38394**	**.15280**	**6.9115**	**.29143**
Stddev	.065	.0069	.00018	.00896	.00045	.0087	.00191
%RSD	.36237	.19010	1.3580	2.3330	.29449	.12620	.65701
#1	17.997	3.6341	.01297	.37987	.15259	6.9044	.29135
#2	18.125	3.6443	.01318	.37773	.15249	6.9089	.28955
#3	18.084	3.6472	.01332	.39420	.15332	6.9212	.29338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003403 Acquired: 4/4/2011 15:00:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.6004**	F **194.60**	F **-10139.**	**.00606**	**.00783**	**2.6134**	**.01714**
Stddev	8.4620	1.37	78.	.00047	.00143	.0044	.00050
%RSD	128.20	.70357	.76740	7.7427	18.292	.16921	2.9306
#1	-13.945	193.91	-10089.	.00567	.00655	2.6086	.01710
#2	2.6528	193.72	-10099.	.00658	.00938	2.6173	.01666
#3	-8.5088	196.18	-10229.	.00592	.00756	2.6143	.01766
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11421**	**.50344**	**.01190**	**.62670**	**.49756**	**.14428**
Stddev	.00040	.00008	.00227	.00409	.00113	.00100
%RSD	.35210	.01624	19.056	.65256	.22710	.69344
#1	.11389	.50349	.01421	.62356	.49651	.14317
#2	.11407	.50334	.01182	.62521	.49742	.14455
#3	.11466	.50348	.00967	.63133	.49876	.14512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61275.**	**67211.**
Stddev	284.	283.
%RSD	.46331	.42116
#1	61436.	67207.
#2	61441.	66929.
#3	60947.	67496.

Approved: April 05, 2011

Sample Name: L1104003404 Acquired: 4/4/2011 15:03:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**317.45**	**.04734**	**.15194**	**1.1905**	**.00793**	**15.111**
Stddev	.00047	2.85	.00110	.00208	.0059	.00005	.120
%RSD	23.789	.89634	2.3229	1.3691	.49202	.68762	.79457
#1	.00239	315.58	.04618	.14956	1.1885	.00792	15.031
#2	.00202	316.05	.04836	.15345	1.1859	.00799	15.054
#3	.00146	320.73	.04749	.15280	1.1971	.00788	15.249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**.05868**	**.31272**	**.25303**	**390.28**	**15.461**	**.24796**
Stddev	.00005	.00014	.00156	.00025	1.57	.122	.00124
%RSD	2.0872	.24604	.49949	.09685	.40274	.78965	.50163
#1	.00243	.05883	.31449	.25277	388.55	15.370	.24815
#2	.00235	.05854	.31211	.25326	390.65	15.414	.24664
#3	.00245	.05867	.31155	.25306	391.63	15.600	.24910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.961**	**1.3565**	**.01079**	**.44117**	**.09790**	**4.0162**	**.22353**
Stddev	.104	.0060	.00010	.00400	.00045	.0093	.00074
%RSD	.69438	.44185	.89159	.90594	.46279	.23140	.32918
#1	14.844	1.3511	.01075	.43793	.09798	4.0239	.22373
#2	14.996	1.3554	.01072	.44564	.09830	4.0059	.22415
#3	15.043	1.3629	.01090	.43996	.09741	4.0189	.22272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003404 Acquired: 4/4/2011 15:03:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1.2595**	F **122.52**	F **-6445.0**	**.00261**	**.00830**	**2.7461**	**.01388**
Stddev	4.0486	.50	22.2	.00182	.00183	.0126	.00024
%RSD	321.43	.40745	.34468	69.711	21.996	.45876	1.7285
#1	-5.6089	122.80	-6462.0	.00371	.00817	2.7515	.01408
#2	-.56930	122.82	-6453.1	.00361	.01019	2.7550	.01362
#3	2.3996	121.94	-6419.9	.00051	.00654	2.7317	.01395
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05496**	**.46836**	**.00902**	**.50729**	**.36299**	**.11545**
Stddev	.00026	.00258	.00070	.00266	.00131	.00044
%RSD	.47855	.55019	7.7503	.52465	.36143	.37964
#1	.05474	.46539	.00823	.50903	.36366	.11569
#2	.05489	.46961	.00955	.50861	.36383	.11573
#3	.05525	.47007	.00929	.50422	.36148	.11495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61515.**	**66972.**
Stddev	220.	378.
%RSD	.35824	.56449
#1	61317.	67397.
#2	61475.	66671.
#3	61752.	66849.

Approved: April 05, 2011

Sample Name: L1104003405 Acquired: 4/4/2011 15:07:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**380.34**	**.06355**	**.18510**	**1.4922**	**.00948**	**15.030**
Stddev	.00047	.89	.00088	.00397	.0003	.00001	.023
%RSD	13.532	.23467	1.3826	2.1454	.02180	.11545	.15010
#1	.00303	379.34	.06276	.18091	1.4921	.00947	15.037
#2	.00334	380.62	.06341	.18880	1.4926	.00949	15.005
#3	.00395	381.06	.06450	.18560	1.4920	.00947	15.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.07664**	**.44303**	**.31937**	**473.02**	**20.938**	**.24621**
Stddev	.00011	.00024	.00365	.00339	7.18	.013	.00086
%RSD	3.7312	.31168	.82344	1.0617	1.5170	.06241	.35121
#1	.00289	.07675	.44720	.32312	465.22	20.924	.24719
#2	.00308	.07681	.44046	.31850	479.34	20.939	.24554
#3	.00308	.07637	.44142	.31651	474.50	20.950	.24590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.683**	**3.7112**	**.01087**	**.58147**	**.12411**	**4.8942**	**.29109**
Stddev	.070	.0084	.00024	.00125	.00052	.0107	.00374
%RSD	.41957	.22762	2.1753	.21539	.41495	.21869	1.2861
#1	16.616	3.7027	.01114	.58110	.12451	4.9065	.29472
#2	16.677	3.7112	.01069	.58044	.12353	4.8879	.28724
#3	16.755	3.7196	.01079	.58286	.12429	4.8881	.29132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003405 Acquired: 4/4/2011 15:07:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.872**	F **135.23**	F **-7216.4**	**.00014**	**.00709**	**2.4519**	**.01680**
Stddev	4.065	.68	50.7	.00160	.00331	.0039	.00018
%RSD	31.581	.50073	.70248	1125.6	46.686	.16017	1.0634
#1	-11.923	135.95	-7259.2	-.00032	.00619	2.4479	.01663
#2	-17.327	135.12	-7229.5	.00193	.01075	2.4557	.01699
#3	-9.3645	134.61	-7160.4	-.00118	.00432	2.4522	.01679
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11096**	**.58764**	**.01303**	**.62558**	**.49314**	**.15498**
Stddev	.00015	.00095	.00096	.00307	.00069	.00139
%RSD	.13421	.16167	7.3512	.49109	.13965	.89711
#1	.11090	.58659	.01195	.62854	.49389	.15647
#2	.11085	.58789	.01376	.62581	.49253	.15474
#3	.11113	.58844	.01339	.62241	.49302	.15372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61512.**	**67566.**
Stddev	267.	275.
%RSD	.43338	.40707
#1	61207.	67415.
#2	61627.	67883.
#3	61701.	67399.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:10:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41502**	**10.039**	**.40399**	**.50703**	**.98616**	**.05095**	**9.9351**
Stddev	.00112	.041	.00087	.00175	.00048	.00013	.0283
%RSD	.27006	.40369	.21472	.34455	.04818	.25714	.28508
#1	.41603	10.069	.40435	.50900	.98664	.05104	9.9600
#2	.41522	9.9930	.40300	.50641	.98616	.05100	9.9409
#3	.41382	10.056	.40461	.50567	.98569	.05080	9.9043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05123**	**.20717**	**.51201**	**.51497**	**3.9967**	**50.200**	**1.0010**
Stddev	.00017	.00087	.00149	.00166	.0113	.085	.0015
%RSD	.33317	.42003	.29174	.32313	.28256	.16969	.14775
#1	.05121	.20747	.51366	.51506	4.0089	50.296	1.0011
#2	.05140	.20784	.51162	.51659	3.9946	50.173	.99943
#3	.05106	.20618	.51075	.51327	3.9866	50.132	1.0024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.240**	**.50576**	**1.0051**	**50.587**	**.51361**	**9.9881**	**.51736**
Stddev	.053	.00126	.0014	.080	.00053	.0132	.00065
%RSD	.51795	.24892	.13995	.15789	.10407	.13235	.12555
#1	10.301	.50719	1.0036	50.679	.51401	9.9796	.51666
#2	10.209	.50480	1.0053	50.549	.51382	10.003	.51793
#3	10.209	.50530	1.0064	50.534	.51300	9.9815	.51751
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:10:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.614**	**10.591**	F **3.8249**	**1.2222**	**.40787**	**5.0373**	**1.0271**
Stddev	3.860	.092	5.5096	.0066	.00378	.0094	.0021
%RSD	20.735	.87157	144.04	.54059	.92592	.18746	.20015
#1	22.039	10.488	10.066	1.2241	.40933	5.0320	1.0288
#2	14.432	10.666	-.36357	1.2276	.41070	5.0482	1.0276
#3	19.370	10.619	1.7721	1.2148	.40358	5.0316	1.0248
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99588**	**.99766**	**.52453**	**1.0213**	**1.0270**	**1.0024**
Stddev	.00080	.00217	.00118	.0037	.0012	.0055
%RSD	.08077	.21728	.22517	.36412	.11722	.55222
#1	.99580	.99875	.52440	1.0248	1.0273	1.0078
#2	.99673	.99906	.52578	1.0217	1.0281	1.0026
#3	.99513	.99516	.52343	1.0174	1.0257	.99673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63374.**	**67638.**
Stddev	143.	687.
%RSD	.22569	1.0152
#1	63373.	66845.
#2	63231.	68014.
#3	63517.	68054.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:13:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00299**	**-.00042**	**.00142**	**.00035**	**.00002**	**-.01637**
Stddev	.00044	.01214	.00052	.00115	.00010	.00000	.00304
%RSD	83.271	405.70	122.70	80.712	28.212	18.219	18.561
#1	-.00023	-.00295	.00003	.00127	.00044	.00002	-.01417
#2	-.00104	-.00503	-.00031	.00264	.00025	.00002	-.01511
#3	-.00033	.01695	-.00098	.00036	.00034	.00002	-.01984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00002**	**-.00001**	**-.00009**	**.00157**	**.09542**	**-.00189**
Stddev	.00004	.00006	.00025	.00006	.00062	.02725	.00099
%RSD	132.18	293.98	4043.9	71.126	39.171	28.558	52.152
#1	.00007	-.00004	.00028	-.00013	.00098	.07656	-.00301
#2	-.00001	.00005	-.00012	-.00011	.00153	.12666	-.00114
#3	.00003	.00006	-.00018	-.00002	.00221	.08303	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00015**	**.00015**	**.00223**	**.00015**	**.00037**	**-.00014**
Stddev	.01260	.00038	.00009	.00545	.00032	.00112	.00116
%RSD	3169.2	249.68	61.775	244.04	215.23	304.16	801.67
#1	-.01442	.00004	.00019	.00229	.00005	.00038	.00028
#2	.00325	.00057	.00004	.00766	-.00011	-.00076	.00074
#3	.00998	-.00016	.00021	-.00324	.00050	.00148	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:13:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.239**	**.00611**	F **1.4430**	**-.00094**	**-.00080**	**.00004**	**-.00055**
Stddev	3.840	.02655	2.3167	.00090	.00172	.00076	.00005
%RSD	29.007	434.32	160.55	95.118	215.08	1929.2	9.4705
#1	17.295	.02634	.59648	-.00014	.00052	.00090	-.00052
#2	9.6580	-.02395	-.33139	-.00191	-.00274	-.00052	-.00061
#3	12.766	.01594	4.0639	-.00077	-.00017	-.00026	-.00052
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00097**	**-.00085**	**.00029**	**-.00030**	**-.00012**
Stddev	.00007	.00092	.00070	.00021	.00006	.00002
%RSD	94.182	94.715	82.795	72.888	21.079	16.484
#1	-.00008	-.00204	-.00036	.00039	-.00023	-.00010
#2	.00000	-.00041	-.00052	.00043	-.00035	-.00011
#3	-.00013	-.00047	-.00165	.00005	-.00032	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66337.**	**67527.**
Stddev	224.	169.
%RSD	.33840	.25011
#1	66078.	67383.
#2	66470.	67713.
#3	66464.	67484.

Approved: April 05, 2011

Sample Name: L1104003406S Acquired: 4/4/2011 15:17:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-07

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20433**	**467.95**	**.24039**	**.82985**	**2.1303**	**.03281**	**21.991**
Stddev	.00025	2.26	.00029	.00310	.0114	.00016	.080
%RSD	.12085	.48306	.12214	.37348	.53402	.48436	.36264
#1	.20443	469.03	.24047	.83333	2.1421	.03295	22.058
#2	.20451	465.35	.24006	.82884	2.1294	.03285	21.903
#3	.20405	469.46	.24063	.82739	2.1194	.03264	22.012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02678**	**.17076**	**.71356**	**.54396**	**452.10**	**50.740**	**.76246**
Stddev	.00007	.00027	.00267	.00041	3.43	.081	.00189
%RSD	.25179	.15564	.37471	.07613	.75926	.15980	.24758
#1	.02671	.17102	.71496	.54442	455.94	50.805	.76451
#2	.02678	.17049	.71524	.54384	449.33	50.649	.76207
#3	.02685	.17077	.71047	.54362	451.03	50.766	.76080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.732**	**3.5244**	**.49329**	**25.195**	**.39418**	**4.5569**	**.50053**
Stddev	.109	.0162	.00052	.113	.00030	.0041	.00057
%RSD	.44146	.45891	.10636	.44951	.07608	.09005	.11447
#1	24.651	3.5152	.49351	25.189	.39437	4.5544	.50092
#2	24.689	3.5150	.49367	25.085	.39433	4.5546	.50080
#3	24.856	3.5431	.49269	25.312	.39383	4.5616	.49987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003406S Acquired: 4/4/2011 15:17:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-07

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.334**	F **167.05**	F **-8675.6**	**.53571**	**.17272**	**8.2494**	**.48918**
Stddev	3.883	.44	36.9	.00286	.00128	.0223	.00048
%RSD	23.774	.26214	.42537	.53371	.74178	.27042	.09858
#1	-20.744	167.50	-8717.9	.53878	.17379	8.2732	.48873
#2	-14.833	167.02	-8650.2	.53313	.17307	8.2289	.48969
#3	-13.425	166.63	-8658.6	.53522	.17130	8.2462	.48912
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62097**	**2.2582**	**.24103**	**1.2455**	**1.0153**	**.35742**
Stddev	.00287	.0030	.00131	.0020	.0006	.00199
%RSD	.46277	.13207	.54520	.15973	.05795	.55608
#1	.62281	2.2600	.24237	1.2477	1.0146	.35929
#2	.61766	2.2547	.24098	1.2446	1.0155	.35764
#3	.62244	2.2598	.23974	1.2441	1.0157	.35534
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60404.**	**67958.**
Stddev	190.	331.
%RSD	.31423	.48694
#1	60196.	67984.
#2	60447.	68276.
#3	60569.	67615.

Approved: April 05, 2011

Sample Name: L1104003407SD Acquired: 4/4/2011 15:21:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-08

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20476**	**415.54**	**.23759**	**.81408**	**2.0602**	**.03270**	**23.141**
Stddev	.00068	.65	.00187	.00534	.0027	.00012	.021
%RSD	.33014	.15600	.78701	.65648	.12839	.36680	.09085
#1	.20545	415.77	.23635	.82014	2.0626	.03275	23.157
#2	.20410	414.80	.23974	.81207	2.0574	.03256	23.117
#3	.20474	416.04	.23668	.81003	2.0606	.03279	23.149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02703**	**.17737**	**.66599**	**.51719**	**431.64**	**46.253**	**.74958**
Stddev	.00012	.00055	.00251	.00184	6.07	.036	.00215
%RSD	.43641	.31112	.37652	.35598	1.4062	.07683	.28706
#1	.02717	.17774	.66882	.51670	438.57	46.291	.74814
#2	.02698	.17673	.66405	.51564	427.28	46.221	.74854
#3	.02695	.17763	.66509	.51922	429.07	46.248	.75205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.329**	**4.4606**	**.50019**	**25.295**	**.37915**	**4.6707**	**.52241**
Stddev	.134	.0035	.00029	.037	.00017	.0068	.00056
%RSD	.57272	.07919	.05807	.14743	.04447	.14489	.10785
#1	23.192	4.4583	.50027	25.283	.37934	4.6709	.52295
#2	23.338	4.4588	.49987	25.266	.37907	4.6638	.52183
#3	23.458	4.4646	.50044	25.337	.37903	4.6774	.52246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003407SD Acquired: 4/4/2011 15:21:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360664-08

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.814**	F **180.57**	F **-9434.3**	**.54668**	**.17257**	**8.5578**	**.49459**
Stddev	2.578	.36	26.3	.00116	.00467	.0066	.00100
%RSD	23.842	.19970	.27856	.21158	2.7072	.07680	.20251
#1	-13.664	180.93	-9459.5	.54583	.17314	8.5654	.49388
#2	-10.136	180.21	-9407.0	.54621	.16764	8.5547	.49416
#3	-8.6429	180.57	-9436.4	.54799	.17693	8.5535	.49573
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62246**	**1.8493**	**.24405**	**1.1914**	**1.0075**	**.33896**
Stddev	.00107	.0023	.00122	.0003	.0013	.00037
%RSD	.17266	.12257	.50103	.02173	.13177	.10871
#1	.62369	1.8519	.24519	1.1911	1.0071	.33934
#2	.62172	1.8480	.24276	1.1913	1.0065	.33895
#3	.62196	1.8480	.24420	1.1917	1.0090	.33860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60794.**	**67590.**
Stddev	101.	316.
%RSD	.16601	.46814
#1	60724.	67433.
#2	60910.	67383.
#3	60750.	67954.

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:24:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	F **860.24**	**-.00587**	**.00402**	**-.00004**	**-.00006**	**-.00140**
Stddev	.00017	13.47	.00143	.00068	.00015	.00000	.00688
%RSD	36.617	1.5661	24.334	16.848	399.48	3.6023	491.30
#1	-.00064	852.71	-.00466	.00453	.00002	-.00006	-.00703
#2	-.00030	852.21	-.00550	.00428	.00007	-.00006	.00627
#3	-.00044	875.79	-.00744	.00325	-.00021	-.00006	-.00344
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		810.00					
Low Limit		-.10000					

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00065**	**-.00017**	**.00008**	**.00716**	**.22058**	**-.00069**
Stddev	.00009	.00020	.00026	.00047	.00464	.02434	.00075
%RSD	1785.8	30.910	153.50	569.73	64.829	11.033	109.09
#1	.00004	.00088	.00010	-.00007	.01100	.24734	-.00031
#2	-.00009	.00055	-.00018	.00061	.00847	.21464	-.00156
#3	.00006	.00051	-.00043	-.00029	.00200	.19977	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00222**	**.00055**	**.01596**	**-.00344**	**.10817**	F **-.00840**
Stddev	.00287	.00027	.00021	.00616	.00015	.00898	.00121
%RSD	1898.7	12.234	38.920	38.586	4.3971	8.3056	14.432
#1	-.00295	.00222	.00031	.01928	-.00336	.09857	-.00750
#2	.00279	.00194	.00072	.00885	-.00335	.10956	-.00791
#3	-.00029	.00248	.00063	.01973	-.00361	.11637	-.00978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							225.00
Low Limit							-.00500

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:24:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.407**	**.70887**	F **-36.105**	**-.00829**	F **-.01090**	**.00137**	**-.00139**
Stddev	2.428	.07458	3.680	.00175	.00260	.00020	.00027
%RSD	19.572	10.521	10.192	21.138	23.888	14.325	19.474
#1	11.915	.70690	-31.988	-.01019	-.01008	.00117	-.00127
#2	15.043	.63529	-37.253	-.00792	-.00880	.00138	-.00170
#3	10.262	.78442	-39.074	-.00675	-.01381	.00156	-.00119
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000		9.0000		81.000		
Low Limit	-.00400		-.00400		-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00088**	**-.00077**	**.00052**	F **-.01862**	**-.00008**
Stddev	.00003	.00027	.00167	.00002	.00059	.00003
%RSD	58.774	30.669	215.49	3.5018	3.1876	38.811
#1	.00008	-.00074	-.00252	.00053	-.01833	-.00005
#2	.00002	-.00119	-.00061	.00050	-.01823	-.00010
#3	.00007	-.00070	.00081	.00052	-.01930	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					45.000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64388.**	**72953.**
Stddev	279.	239.
%RSD	.43323	.32733
#1	64697.	72733.
#2	64155.	73207.
#3	64313.	72917.

Approved: April 05, 2011

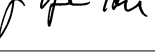
Sample Name: LRC Acquired: 4/4/2011 15:28:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**.00514**	**-.00788**	**.33578**	**.00017**	**-.00016**
Stddev	.00043	.01518	.00033	.00269	.00022	.00000
%RSD	21.135	295.21	4.2099	.80161	133.02	1.3942
#1	-.00166	.00130	-.00773	.33701	.00042	-.00016
#2	-.00200	.02188	-.00765	.33764	.00005	-.00016
#3	-.00252	-.00775	-.00826	.33269	.00003	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02044**	**.00123**	**-.00139**	F **-.03972**	**.16849**	F **961.72**
Stddev	.00487	.00020	.00006	.00013	.00923	3.53
%RSD	23.807	16.536	3.9640	.32582	5.4750	.36714
#1	-.02169	.00109	-.00136	-.03960	.16367	964.06
#2	-.01507	.00147	-.00136	-.03986	.17913	963.45
#3	-.02455	.00114	-.00145	-.03970	.16268	957.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				90.000		900.00
Low Limit				-.00300		-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02212**	**-.00171**	**-.01150**	**.00142**	**-.00453**	**-.00455**
Stddev	.00569	.00023	.01312	.00010	.00010	.00758
%RSD	25.719	13.390	114.10	7.1142	2.2787	166.65
#1	-.02701	-.00150	-.01215	.00133	-.00451	.00293
#2	-.01588	-.00195	.00193	.00141	-.00465	-.01222
#3	-.02348	-.00168	-.02429	.00153	-.00444	-.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 05, 2011



Sample Name: LRC Acquired: 4/4/2011 15:28:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	kF **-.54935**	**.03667**	F **15.615**	**.36036**	F **-4.4682**
Stddev	.00048	.00542	.00126	1.333	.02100	4.7037
%RSD	33.237	.98732	3.4242	8.5398	5.8265	105.27
#1	-.00104	k -.55545	.03558	14.911	.35463	.20633
#2	-.00196	k -.54752	.03638	14.782	.34283	-4.4103
#3	-.00131	k -.54507	.03804	17.153	.38363	-9.2006
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		900.00		9.0000		9.0000
Low Limit		-.00400		-.00400		-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00379**	**-.00144**	**.00541**	**.00533**	**-.00008**	**.00048**
Stddev	.00026	.00035	.00063	.00037	.00006	.00057
%RSD	6.8498	24.073	11.594	7.0323	78.662	118.60
#1	-.00387	-.00183	.00502	.00561	-.00015	.00064
#2	-.00350	-.00115	.00508	.00547	-.00003	.00095
#3	-.00400	-.00135	.00614	.00491	-.00006	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00414**	**-.00128**	**.00335**	^ *****
Stddev	.00184	.00015	.00004	-----
%RSD	44.447	11.700	1.1878	-----
#1	.00508	-.00126	.00337	^ -----
#2	.00202	-.00115	.00337	^ -----
#3	.00532	-.00144	.00330	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:28:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62928.**	**68651.**
Stddev	23.	152.
%RSD	.03607	.22130
#1	62905.	68559.
#2	62950.	68826.
#3	62929.	68567.

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05248**	**.21804**	**.00606**	**-.01110**	**.00007**	**.00009**	**-.02292**
Stddev	.00032	.01591	.00080	.00077	.00011	.00003	.00661
%RSD	.61775	7.2981	13.163	6.9501	164.60	30.025	28.814
#1	.05254	.21612	.00545	-.01141	-.00006	.00012	-.02276
#2	.05213	.20318	.00696	-.01022	.00010	.00008	-.02961
#3	.05277	.23483	.00576	-.01167	.00016	.00007	-.01640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00082**	F **-.01891**	**.00180**	**.03034**	**.05039**	**-.00174**
Stddev	.00001	.00005	.00050	.00025	.00787	.02374	.00132
%RSD	1.4237	6.0328	2.6681	13.778	25.943	47.123	75.793
#1	.00066	.00087	-.01949	.00162	.03018	.04123	-.00026
#2	.00065	.00077	-.01862	.00170	.03829	.03259	-.00277
#3	.00067	.00081	-.01861	.00208	.02255	.07735	-.00218
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.00300				

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03336**	F **199.28**	F **-.01083**	**-.00704**	**.00113**	F **-.17182**	**.02472**
Stddev	.00177	1.84	.00015	.00649	.00022	.00368	.00076
%RSD	5.2992	.92408	1.4287	92.174	19.626	2.1430	3.0880
#1	.03229	200.75	-.01067	-.00913	.00087	-.16805	.02384
#2	.03239	199.88	-.01098	-.01222	.00128	-.17202	.02519
#3	.03540	197.22	-.01083	.00024	.00124	-.17541	.02513
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		180.00	18.000			900.00	
Low Limit		-.00300	-.01000			-.00400	

Approved: April 05, 2011

Sample Name: LRC Acquired: 4/4/2011 15:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.948**	F **35.299**	F **-154.81**	**-.00208**	**.08666**	**.00036**	**-.00131**
Stddev	3.610	.242	11.19	.00080	.00205	.00042	.00028
%RSD	25.883	.68443	7.2285	38.397	2.3643	116.49	21.575
#1	15.016	35.042	-142.31	-.00123	.08430	-.00009	-.00160
#2	16.903	35.333	-158.19	-.00221	.08801	.00075	-.00104
#3	9.9242	35.522	-163.91	-.00281	.08767	.00042	-.00130
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00554**	**.13645**	F **-.02044**	**.00191**	**-.00025**
Stddev	.00009	.00073	.00148	.00016	.00009	.00005
%RSD	222.85	13.120	1.0856	.76376	4.7176	20.398
#1	.00003	-.00546	.13475	-.02026	.00186	-.00030
#2	-.00004	-.00485	.13714	-.02052	.00201	-.00021
#3	.00014	-.00630	.13747	-.02055	.00186	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64896.**	**68587.**
Stddev	262.	652.
%RSD	.40311	.95100
#1	65196.	67958.
#2	64778.	68542.
#3	64714.	69260.

Approved: April 05, 2011

Sample Name: L1104003408 Acquired: 4/4/2011 15:35:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**281.80**	**.07411**	**.19355**	**1.3606**	**.00894**	**22.315**
Stddev	.00007	.88	.00157	.00220	.0009	.00002	.063
%RSD	2.5163	.31290	2.1226	1.1342	.06343	.21794	.28181
#1	.00261	281.65	.07514	.19502	1.3597	.00894	22.273
#2	.00269	282.74	.07230	.19460	1.3613	.00892	22.387
#3	.00274	281.00	.07488	.19102	1.3608	.00895	22.284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**.08862**	**.39246**	**.32031**	**514.39**	**11.992**	**.18631**
Stddev	.00003	.00019	.00082	.00208	3.81	.031	.00089
%RSD	.91627	.21670	.20936	.64869	.74010	.25906	.47655
#1	.00310	.08869	.39163	.31887	518.56	11.961	.18701
#2	.00311	.08841	.39328	.31936	513.54	12.023	.18662
#3	.00306	.08877	.39249	.32269	511.09	11.992	.18531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.057**	**5.0022**	**.01332**	**.39025**	**.10722**	**4.2997**	**.29663**
Stddev	.024	.0039	.00038	.00589	.00062	.0085	.00200
%RSD	.23551	.07768	2.8299	1.5088	.57523	.19789	.67270
#1	10.034	4.9978	.01364	.39704	.10669	4.3030	.29639
#2	10.054	5.0045	.01342	.38710	.10708	4.2901	.29477
#3	10.082	5.0044	.01291	.38661	.10790	4.3061	.29874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003408 Acquired: 4/4/2011 15:35:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.314**	F **149.21**	F **-7565.6**	**.00346**	**.01043**	**2.7042**	**.01478**
Stddev	1.038	.57	37.2	.00165	.00123	.0073	.00029
%RSD	7.2542	.38018	.49167	47.756	11.793	.26872	1.9624
#1	-13.383	149.19	-7567.8	.00442	.00916	2.6973	.01467
#2	-14.125	148.65	-7527.4	.00155	.01161	2.7118	.01457
#3	-15.434	149.78	-7601.7	.00441	.01053	2.7035	.01511
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13330**	**.48305**	**.01218**	**.57409**	**.39459**	**.15135**
Stddev	.00032	.00042	.00104	.00074	.00002	.00018
%RSD	.24328	.08737	8.5253	.12903	.00617	.12091
#1	.13332	.48302	.01108	.57408	.39457	.15138
#2	.13361	.48264	.01314	.57336	.39461	.15116
#3	.13296	.48348	.01230	.57484	.39457	.15153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60960.**	**69283.**
Stddev	114.	264.
%RSD	.18659	.38054
#1	60829.	68997.
#2	61026.	69335.
#3	61026.	69517.

Approved: April 05, 2011

Sample Name: L1104003409 Acquired: 4/4/2011 15:38:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**301.35**	**.08030**	**.19780**	**1.3499**	**.00853**	**23.860**
Stddev	.00027	1.92	.00189	.00301	.0047	.00005	.148
%RSD	7.3981	.63657	2.3596	1.5230	.34794	.55205	.62088
#1	.00384	299.70	.08215	.19488	1.3471	.00858	23.724
#2	.00332	303.46	.08038	.20090	1.3553	.00851	24.018
#3	.00370	300.89	.07836	.19761	1.3473	.00849	23.838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.11056**	**.39684**	**.33526**	**522.49**	**18.707**	**.20210**
Stddev	.00011	.00046	.00161	.00442	3.60	.085	.00135
%RSD	3.6676	.42000	.40660	1.3192	.68930	.45175	.66989
#1	.00299	.11107	.39864	.33987	520.15	18.642	.20303
#2	.00319	.11044	.39637	.33485	526.64	18.803	.20055
#3	.00320	.11016	.39551	.33106	520.68	18.677	.20272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.997**	**5.2617**	**.01260**	**.46290**	**.13351**	**4.9123**	**.29840**
Stddev	.084	.0209	.00026	.00130	.00035	.0153	.00180
%RSD	.64812	.39656	2.0928	.28065	.26228	.31059	.60183
#1	12.902	5.2404	.01282	.46433	.13374	4.9283	.29860
#2	13.064	5.2821	.01231	.46257	.13368	4.9108	.29651
#3	13.024	5.2627	.01267	.46180	.13311	4.8979	.30008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003409 Acquired: 4/4/2011 15:38:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.861**	F **171.72**	F **-8810.6**	**.00261**	**.00808**	**2.6798**	**.01614**
Stddev	2.414	1.84	108.0	.00181	.00039	.0099	.00018
%RSD	17.415	1.0729	1.2261	69.362	4.7980	.37106	1.1353
#1	-14.527	173.72	-8923.2	.00458	.00763	2.6894	.01635
#2	-11.184	171.36	-8800.8	.00222	.00826	2.6805	.01600
#3	-15.872	170.09	-8707.8	.00102	.00834	2.6696	.01609
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14537**	**.70653**	**.01175**	**.60588**	**.44026**	**.14968**
Stddev	.00052	.00220	.00070	.00248	.00088	.00044
%RSD	.35984	.31166	5.9832	.41000	.19946	.29126
#1	.14498	.70536	.01243	.60872	.44085	.15018
#2	.14596	.70907	.01103	.60479	.44069	.14938
#3	.14516	.70517	.01179	.60412	.43925	.14948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61267.**	**69330.**
Stddev	327.	309.
%RSD	.53341	.44501
#1	60960.	69498.
#2	61230.	68974.
#3	61611.	69517.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:42:28 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41731**	**9.9882**	**.40693**	**.51051**	**.98453**	**.05115**	**9.9030**
Stddev	.00258	.0498	.00115	.00402	.00234	.00033	.0155
%RSD	.61769	.49850	.28293	.78662	.23810	.64032	.15687
#1	.41470	9.9459	.40774	.50786	.98620	.05085	9.8857
#2	.41985	9.9757	.40561	.51513	.98553	.05150	9.9075
#3	.41739	10.043	.40743	.50854	.98185	.05112	9.9157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05170**	**.20877**	**.51454**	**.51829**	**3.9820**	**50.051**	**1.0014**
Stddev	.00005	.00015	.00250	.00033	.0145	.127	.0010
%RSD	.09373	.07241	.48589	.06420	.36508	.25338	.09681
#1	.05166	.20894	.51378	.51838	3.9935	49.911	1.0010
#2	.05168	.20873	.51733	.51857	3.9868	50.085	1.0025
#3	.05175	.20864	.51251	.51792	3.9657	50.158	1.0007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.209**	**.50557**	**1.0045**	**50.639**	**.51430**	**10.043**	**.51847**
Stddev	.025	.00148	.0008	.293	.00028	.005	.00188
%RSD	.24272	.29357	.07710	.57904	.05362	.04717	.36222
#1	10.182	.50414	1.0048	50.363	.51402	10.038	.51737
#2	10.231	.50546	1.0036	50.606	.51429	10.047	.51741
#3	10.212	.50710	1.0051	50.947	.51457	10.045	.52064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 15:42:28 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.268**	**10.623**	**9.8685**	**1.2318**	**.41046**	**5.0732**	**1.0302**
Stddev	6.935	.066	2.8660	.0021	.00111	.0060	.0010
%RSD	40.160	.62015	29.042	.17085	.27027	.11924	.09670
#1	16.934	10.547	8.8318	1.2322	.41102	5.0737	1.0308
#2	10.507	10.666	13.109	1.2296	.41119	5.0669	1.0308
#3	24.364	10.657	7.6650	1.2337	.40919	5.0790	1.0290
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000						
Range	10.000%						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99665**	**.99793**	**.52484**	**1.0278**	**1.0262**	**1.0104**
Stddev	.00319	.00115	.00194	.0060	.0014	.0082
%RSD	.31994	.11475	.37034	.58608	.13623	.80712
#1	.99375	.99666	.52430	1.0220	1.0259	1.0056
#2	.99613	.99826	.52322	1.0340	1.0276	1.0198
#3	1.0001	.99888	.52699	1.0275	1.0249	1.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62856.**	**67780.**
Stddev	143.	370.
%RSD	.22720	.54622
#1	62986.	68206.
#2	62703.	67593.
#3	62880.	67540.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:45:47 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00516**	**-.00060**	**.00153**	**.00018**	**-.00001**	**-.01671**
Stddev	.00042	.00310	.00108	.00031	.00004	.00003	.00836
%RSD	95.246	60.158	179.47	20.049	22.437	321.54	50.008
#1	-.00054	.00166	-.00146	.00118	.00014	.00002	-.01014
#2	-.00081	.00758	-.00096	.00169	.00022	-.00001	-.02611
#3	.00002	.00623	.00061	.00174	.00018	-.00003	-.01387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00002**	**-.00015**	**.00000**	**.00178**	**.09552**	**-.00064**
Stddev	.0001	.00001	.00018	.0003	.00208	.04300	.00151
%RSD	6472.3	60.321	118.30	8451.8	116.96	45.018	237.09
#1	.00006	.00001	-.00015	-.00027	.00321	.10006	-.00022
#2	-.00005	.00003	-.00033	.00000	-.00061	.13608	-.00230
#3	-.00002	.00001	.00003	.00027	.00273	.05043	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00114**	**-.00022**	**.00012**	**.00019**	**-.00004**	**.00195**	**-.00043**
Stddev	.00192	.00015	.00004	.00617	.00040	.00075	.00100
%RSD	168.79	70.922	35.949	3308.2	1064.3	38.353	231.66
#1	.00316	-.00027	.00017	.00601	.00037	.00151	-.00132
#2	.00092	-.00033	.00012	.00084	-.00006	.00152	.00065
#3	-.00066	-.00004	.00008	-.00629	-.00043	.00281	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 15:45:47 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.769**	**-.00955**	**.76557**	**.00047**	**-.00182**	**.00139**	**-.00064**
Stddev	4.938	.01163	.40720	.00063	.00049	.00046	.00020
%RSD	31.312	121.80	53.189	133.42	26.742	32.973	31.306
#1	10.099	-.01169	.29595	.00105	-.00174	.00188	-.00086
#2	18.085	.00300	.98022	.00054	-.00138	.00132	-.00046
#3	19.124	-.01996	1.0205	-.00019	-.00234	.00098	-.00061
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000						
Low Limit	-1.0000						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00095**	**-.00164**	**.00024**	**-.00030**	**-.00006**
Stddev	.00008	.00052	.00045	.00031	.00003	.00008
%RSD	369.04	54.852	27.401	131.61	8.8527	125.64
#1	.00007	-.00112	-.00215	-.00006	-.00032	-.00008
#2	-.00007	-.00037	-.00150	.00057	-.00030	-.00013
#3	-.00007	-.00137	-.00128	.00021	-.00027	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64555.**	**67929.**
Stddev	90.	300.
%RSD	.13953	.44169
#1	64659.	68270.
#2	64504.	67706.
#3	64503.	67812.

Approved: April 05, 2011

Sample Name: PBS 13 Acquired: 4/4/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**-.00871**	**-.00211**	**.00103**	**.00040**	**.00003**	**-.00124**
Stddev	.00021	.01787	.00041	.00023	.00024	.00001	.00962
%RSD	49.012	205.13	19.200	21.900	60.475	46.819	776.56
#1	-.00051	.00242	-.00256	.00129	.00016	.00004	.00608
#2	-.00058	-.02933	-.00200	.00095	.00063	.00001	-.01214
#3	-.00019	.00077	-.00177	.00086	.00040	.00004	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00048**	**.00041**	**-.00012**	**.00382**	**.17422**	**-.00079**
Stddev	.00010	.00007	.00012	.00017	.00109	.02235	.00042
%RSD	40.040	13.735	29.600	138.20	28.440	12.827	53.545
#1	.00035	-.00054	.00053	-.00028	.00293	.19895	-.00038
#2	.00020	-.00050	.00040	.00006	.00504	.16822	-.00122
#3	.00017	-.00041	.00029	-.00015	.00350	.15548	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00565**	**.00017**	**.00010**	**.01597**	**.00027**	F **-.00703**	**.00054**
Stddev	.00185	.00006	.00019	.00785	.00031	.00191	.00044
%RSD	32.790	34.125	188.17	49.140	113.02	27.172	81.557
#1	.00619	.00023	.00011	.00768	-.00008	-.00661	.00104
#2	.00358	.00016	.00028	.01694	.00041	-.00912	.00023
#3	.00716	.00012	-.00009	.02328	.00048	-.00537	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: PBS 13 Acquired: 4/4/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.2044**	**2.2281**	F **-128.96**	**.00287**	**.00089**	**.01032**	**-.00049**
Stddev	2.4204	.0463	6.24	.00224	.00138	.00091	.00023
%RSD	33.597	2.0770	4.8366	77.875	155.43	8.8413	47.730
#1	4.4165	2.2599	-134.37	.00377	.00011	.00975	-.00034
#2	8.7694	2.1750	-122.14	.00033	.00248	.01137	-.00076
#3	8.4272	2.2495	-130.38	.00452	.00007	.00983	-.00038
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.0000				
Low Limit			-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00010**	**-.00371**	**.00021**	**.00117**	**-.00027**
Stddev	.00002	.00076	.00014	.00012	.00002	.00004
%RSD	115.11	782.40	3.7761	56.496	1.7893	13.444
#1	-.00004	.00020	-.00387	.00034	.00117	-.00031
#2	.00001	-.00071	-.00367	.00019	.00114	-.00028
#3	-.00003	.00080	-.00360	.00011	.00118	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63300.**	**67755.**
Stddev	191.	241.
%RSD	.30223	.35600
#1	63090.	67996.
#2	63464.	67513.
#3	63346.	67756.

Approved: April 05, 2011

Sample Name: LCSS 13 Acquired: 4/4/2011 15:53:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19277**	**4.8494**	**.18931**	**.88999**	**.48219**	**.02465**	**4.7860**
Stddev	.00023	.0127	.00059	.00699	.00093	.00010	.0205
%RSD	.11813	.26091	.31348	.78506	.19337	.40662	.42860
#1	.19260	4.8441	.18896	.88196	.48282	.02453	4.7917
#2	.19303	4.8639	.18898	.89468	.48263	.02469	4.8030
#3	.19268	4.8403	.19000	.89334	.48112	.02472	4.7632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	**.10344**	**.25344**	**.25201**	**1.9271**	**24.284**	**.49056**
Stddev	.00008	.00007	.00179	.00030	.0060	.040	.00160
%RSD	.33230	.06857	.70781	.11962	.31375	.16318	.32685
#1	.02446	.10350	.25140	.25217	1.9248	24.280	.49234
#2	.02458	.10346	.25415	.25219	1.9226	24.326	.49011
#3	.02442	.10336	.25477	.25166	1.9340	24.248	.48923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9431**	**.24740**	**.50768**	**24.598**	**.25560**	F **-.00504**	**.25281**
Stddev	.0339	.00025	.00040	.050	.00017	.00313	.00124
%RSD	.68632	.10031	.07854	.20140	.06561	62.129	.49096
#1	4.9041	.24720	.50808	24.559	.25568	-.00838	.25138
#2	4.9656	.24732	.50728	24.654	.25541	-.00459	.25362
#3	4.9597	.24768	.50769	24.580	.25572	-.00216	.25342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: LCSS 13 Acquired: 4/4/2011 15:53:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.0924**	**5.0929**	**4.8041**	**.57679**	**.18708**	**2.4625**	**.37880**
Stddev	.5680	.0247	2.9004	.00058	.00210	.0047	.00062
%RSD	6.2471	.48515	60.374	.09970	1.1250	.19249	.16303
#1	9.2974	5.0982	4.7382	.57704	.18572	2.4678	.37832
#2	8.4504	5.1145	7.7369	.57719	.18602	2.4608	.37950
#3	9.5295	5.0660	1.9372	.57613	.18950	2.4587	.37858
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48715**	**.49271**	**.24955**	**.51131**	**.49329**	**.00068**
Stddev	.00116	.00063	.00086	.00355	.00094	.00006
%RSD	.23730	.12823	.34629	.69404	.19145	9.1070
#1	.48734	.49218	.24882	.50721	.49244	.00063
#2	.48820	.49255	.25051	.51337	.49430	.00066
#3	.48591	.49341	.24933	.51334	.49312	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62173.**	**67707.**
Stddev	166.	173.
%RSD	.26762	.25612
#1	62037.	67710.
#2	62123.	67880.
#3	62358.	67533.

Approved: April 05, 2011

Sample Name: L1104006301 Acquired: 4/4/2011 15:56:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**126.19**	**.08460**	**.23102**	**12.913**	**.01627**	**824.73**
Stddev	.00035	.49	.00123	.00094	.165	.00011	4.27
%RSD	8.0091	.38654	1.4506	.40859	1.2771	.68701	.51724
#1	.00476	126.61	.08497	.23102	13.076	.01614	823.74
#2	.00412	125.65	.08559	.23008	12.746	.01634	821.05
#3	.00421	126.32	.08323	.23197	12.917	.01633	829.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**.19454**	**.24503**	**.52621**	**566.48**	**53.594**	**.29477**
Stddev	.00008	.00034	.00134	.00238	3.49	.129	.00152
%RSD	1.1699	.17306	.54783	.45288	.61559	.24062	.51495
#1	.00708	.19416	.24350	.52380	567.53	53.554	.29486
#2	.00694	.19464	.24600	.52856	562.59	53.489	.29320
#3	.00694	.19481	.24559	.52626	569.32	53.738	.29623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.55**	**17.035**	**.02403**	**102.92**	**.44520**	**7.4133**	**.26827**
Stddev	.59	.036	.00032	.25	.00293	.0207	.00149
%RSD	.49096	.21010	1.3285	.24111	.65918	.27876	.55640
#1	120.42	17.030	.02368	103.15	.44308	7.3941	.26853
#2	120.03	17.002	.02429	102.65	.44855	7.4352	.26962
#3	121.19	17.073	.02414	102.96	.44398	7.4108	.26666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006301 Acquired: 4/4/2011 15:56:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.0332**	F **1868.9**	F **-60649.**	**.00789**	**.01057**	**11.091**	**.01252**
Stddev	4.5493	7.1	336.	.00115	.00345	.098	.00015
%RSD	64.683	.38155	.55449	14.561	32.665	.88516	1.2004
#1	-8.7115	1860.6	-60266.	.00668	.00660	11.140	.01256
#2	-10.505	1872.7	-60899.	.00804	.01221	11.156	.01236
#3	-1.8832	1873.3	-60781.	.00896	.01290	10.978	.01265
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7851**	**.24553**	**.01592**	**.28220**	**.93533**	**.08964**
Stddev	.0059	.00090	.00166	.00126	.00117	.00052
%RSD	.21155	.36503	10.420	.44687	.12552	.58462
#1	2.7919	.24602	.01448	.28161	.93398	.08904
#2	2.7821	.24450	.01773	.28134	.93599	.09001
#3	2.7812	.24608	.01555	.28364	.93603	.08988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**56646.**	**67434.**
Stddev	104.	337.
%RSD	.18407	.49978
#1	56765.	67460.
#2	56570.	67757.
#3	56602.	67084.

Approved: April 05, 2011

Sample Name: L1104006601 Acquired: 4/4/2011 16:00:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01249**	**334.40**	**.03382**	**.22231**	**.65241**	**.00667**	**1.0251**
Stddev	.00002	.22	.00143	.00060	.00089	.00004	.0066
%RSD	.15309	.06441	4.2257	.27161	.13685	.57908	.63926
#1	.01251	334.16	.03244	.22234	.65331	.00671	1.0175
#2	.01247	334.50	.03529	.22170	.65152	.00663	1.0292
#3	.01250	334.55	.03371	.22290	.65240	.00667	1.0286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00676**	**.06972**	**.43676**	**.30487**	**626.29**	**13.009**	**.08520**
Stddev	.00006	.00028	.00104	.00173	1.33	.043	.00055
%RSD	.91936	.40491	.23780	.56889	.21306	.33257	.64376
#1	.00674	.07003	.43660	.30518	627.65	13.039	.08580
#2	.00671	.06948	.43581	.30300	624.98	12.959	.08505
#3	.00683	.06964	.43787	.30642	626.22	13.028	.08474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.625**	**3.7341**	**.01020**	**4.0241**	**.14236**	**5.3209**	**.31900**
Stddev	.030	.0064	.00004	.0142	.00113	.0096	.00131
%RSD	.24111	.17075	.34441	.35232	.79124	.18011	.41074
#1	12.596	3.7278	.01018	4.0079	.14117	5.3218	.31899
#2	12.623	3.7339	.01024	4.0303	.14251	5.3109	.31770
#3	12.657	3.7406	.01018	4.0341	.14341	5.3300	.32032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006601 Acquired: 4/4/2011 16:00:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.8220**	F **45.135**	F **-2575.2**	**.00246**	**.00201**	**1.6659**	**.02100**
Stddev	2.5772	.430	26.1	.00147	.00459	.0014	.00020
%RSD	67.431	.95361	1.0132	59.482	227.88	.08348	.93702
#1	-6.7871	45.286	-2579.2	.00124	.00724	1.6651	.02123
#2	-2.5586	44.649	-2547.3	.00409	-.00138	1.6675	.02085
#3	-2.1203	45.470	-2599.0	.00206	.00018	1.6652	.02094
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01648**	**1.5852**	**.03462**	**1.2963**	**.42152**	**.14879**
Stddev	.00011	.0023	.00094	.0034	.00080	.00022
%RSD	.63744	.14713	2.7281	.26620	.18949	.15064
#1	.01636	1.5875	.03396	1.3003	.42187	.14897
#2	.01652	1.5829	.03570	1.2950	.42060	.14854
#3	.01655	1.5852	.03419	1.2938	.42208	.14886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61613.**	**69791.**
Stddev	283.	416.
%RSD	.45857	.59643
#1	61344.	69727.
#2	61908.	69410.
#3	61588.	70235.

Approved: April 05, 2011

Sample Name: L1104006602 Acquired: 4/4/2011 16:03:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01231**	**236.12**	**.08056**	**.25729**	**.87373**	**.00661**	**5.8702**
Stddev	.00028	1.31	.00132	.01050	.00632	.00003	.0278
%RSD	2.2543	.55424	1.6427	4.0828	.72356	.47737	.47300
#1	.01215	236.70	.08075	.24519	.87798	.00661	5.8850
#2	.01263	237.04	.08178	.26264	.87673	.00657	5.8874
#3	.01214	234.62	.07915	.26405	.86646	.00663	5.8382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**.13875**	**.60701**	**.29005**	**749.71**	**7.2012**	**.05319**
Stddev	.00020	.00017	.00141	.00288	15.26	.0735	.00039
%RSD	5.7809	.12389	.23289	.99429	2.0351	1.0210	.73577
#1	.00325	.13856	.60701	.28943	732.14	7.2341	.05356
#2	.00346	.13880	.60559	.28752	757.40	7.2526	.05323
#3	.00365	.13889	.60842	.29319	759.60	7.1170	.05278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.9604**	**9.4021**	**.01330**	**.16152**	**.08107**	**4.9422**	**.27701**
Stddev	.0261	.0154	.00025	.00463	.00155	.0158	.00039
%RSD	.37447	.16393	1.9091	2.8671	1.9172	.31982	.14094
#1	6.9424	9.3909	.01332	.15987	.08286	4.9581	.27733
#2	6.9903	9.4196	.01354	.16675	.08021	4.9420	.27657
#3	6.9486	9.3957	.01303	.15794	.08013	4.9265	.27712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006602 Acquired: 4/4/2011 16:03:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45164**	F **172.39**	F **-9838.4**	**.00896**	**.00871**	**1.8200**	**.01995**
Stddev	4.9759	.14	28.8	.00195	.00030	.0018	.00031
%RSD	1101.7	.07984	.29240	21.769	3.4631	.09618	1.5415
#1	.73727	172.48	-9869.3	.01088	.00887	1.8218	.02009
#2	5.2786	172.23	-9812.3	.00904	.00836	1.8183	.02016
#3	-4.6609	172.46	-9833.6	.00698	.00890	1.8199	.01960
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04448**	**.74004**	**.04650**	**1.4118**	**.31656**	**.19335**
Stddev	.00021	.00347	.00031	.0030	.00061	.00046
%RSD	.46865	.46952	.67051	.21467	.19375	.23769
#1	.04461	.74296	.04652	1.4142	.31594	.19327
#2	.04459	.74098	.04619	1.4084	.31657	.19294
#3	.04424	.73620	.04681	1.4129	.31716	.19385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60524.**	**68493.**
Stddev	81.	207.
%RSD	.13406	.30287
#1	60432.	68313.
#2	60587.	68447.
#3	60551.	68720.

Approved: April 05, 2011

Sample Name: L1104006603 Acquired: 4/4/2011 16:07:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01219**	**315.21**	**.04423**	**.26822**	**.58903**	**.00741**	**1.2076**
Stddev	.00037	1.95	.00087	.00268	.00116	.00004	.0090
%RSD	3.0505	.61742	1.9587	1.0008	.19646	.51672	.74509
#1	.01253	312.96	.04400	.26894	.58780	.00738	1.2139
#2	.01223	316.31	.04351	.26525	.59010	.00739	1.1973
#3	.01179	316.35	.04519	.27047	.58918	.00745	1.2116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**.09267**	**.53440**	**.30816**	**763.91**	**6.0789**	**.07400**
Stddev	.00008	.00056	.00296	.00546	4.14	.0372	.00142
%RSD	3.0189	.60728	.55467	1.7715	.54202	.61254	1.9185
#1	.00270	.09209	.53153	.30402	761.77	6.0365	.07236
#2	.00274	.09322	.53422	.31434	761.28	6.0942	.07470
#3	.00286	.09271	.53745	.30611	768.68	6.1061	.07493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3403**	**7.9581**	**.00634**	**.19322**	**.10091**	**5.9530**	**.24170**
Stddev	.0547	.0309	.00025	.00224	.00035	.0151	.00128
%RSD	1.0241	.38866	3.9428	1.1576	.34944	.25293	.52754
#1	5.2796	7.9224	.00609	.19464	.10062	5.9409	.24026
#2	5.3857	7.9774	.00634	.19065	.10081	5.9699	.24268
#3	5.3557	7.9744	.00659	.19438	.10130	5.9482	.24216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006603 Acquired: 4/4/2011 16:07:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.9714**	F **31.973**	F **-1743.1**	**.00397**	**.00661**	**1.6049**	**.02073**
Stddev	1.6373	.197	19.6	.00385	.00051	.0052	.00046
%RSD	41.228	.61524	1.1248	96.898	7.6901	.32607	2.2362
#1	-3.6013	31.749	-1721.8	-.00018	.00671	1.5989	.02114
#2	-5.7621	32.113	-1760.3	.00467	.00606	1.6076	.02081
#3	-2.5508	32.058	-1747.3	.00742	.00706	1.6083	.02023
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01332**	**.82712**	**.04518**	**1.4303**	**.35690**	**.15990**
Stddev	.00003	.00308	.00240	.0094	.00097	.00070
%RSD	.19081	.37239	5.3135	.65896	.27158	.43720
#1	.01330	.82388	.04244	1.4194	.35582	.15926
#2	.01331	.83000	.04692	1.4353	.35717	.15978
#3	.01334	.82749	.04618	1.4361	.35771	.16065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60444.**	**68845.**
Stddev	229.	561.
%RSD	.37967	.81418
#1	60689.	69480.
#2	60235.	68638.
#3	60408.	68418.

Approved: April 05, 2011

Sample Name: L1104006604 Acquired: 4/4/2011 16:10:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02712**	**283.47**	**.02471**	**.20963**	**.73105**	**.00431**	**2.3615**
Stddev	.00037	1.81	.00055	.00320	.00278	.00003	.0099
%RSD	1.3690	.63996	2.2175	1.5274	.37985	.75835	.41828
#1	.02724	284.84	.02460	.20784	.73357	.00428	2.3682
#2	.02742	284.16	.02530	.21333	.73149	.00432	2.3661
#3	.02671	281.42	.02422	.20773	.72807	.00434	2.3501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00429**	**.16331**	**.25785**	**.28847**	**599.60**	**15.768**	**.06655**
Stddev	.00005	.00027	.00236	.00284	3.04	.041	.00097
%RSD	1.2369	.16331	.91688	.98389	.50659	.25872	1.4540
#1	.00435	.16302	.25513	.28568	598.17	15.813	.06723
#2	.00427	.16337	.25941	.29135	603.09	15.757	.06699
#3	.00425	.16354	.25901	.28837	597.54	15.733	.06544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.004**	**9.6420**	**.00318**	**.69657**	**.11332**	**6.5981**	**.21728**
Stddev	.057	.0134	.00018	.00679	.00033	.0060	.00178
%RSD	.33279	.13897	5.5673	.97506	.29360	.09045	.81830
#1	17.001	9.6493	.00301	.69092	.11321	6.6005	.21642
#2	17.062	9.6502	.00336	.69468	.11369	6.5913	.21932
#3	16.949	9.6265	.00317	.70410	.11305	6.6025	.21610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006604 Acquired: 4/4/2011 16:10:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4293**	F **54.298**	F **-2986.0**	**.00115**	**.00608**	**1.7815**	**.01834**
Stddev	4.7920	.144	7.3	.00096	.00573	.0098	.00011
%RSD	139.74	.26553	.24608	83.838	94.307	.54945	.60497
#1	2.9771	54.154	-2979.6	.00177	-.00036	1.7725	.01827
#2	8.4314	54.443	-2994.0	.00004	.00797	1.7920	.01828
#3	-1.1205	54.298	-2984.2	.00164	.01062	1.7801	.01846
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01510**	**3.7859**	**.03819**	**1.1525**	**.49355**	**.10313**
Stddev	.00007	.0089	.00060	.0029	.00061	.00048
%RSD	.49252	.23388	1.5704	.25515	.12449	.46985
#1	.01518	3.7927	.03750	1.1505	.49315	.10275
#2	.01510	3.7891	.03853	1.1558	.49323	.10367
#3	.01503	3.7759	.03855	1.1511	.49425	.10296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61721.**	**68533.**
Stddev	57.	460.
%RSD	.09309	.67090
#1	61787.	68363.
#2	61683.	68182.
#3	61693.	69054.

Approved: April 05, 2011

Sample Name: L1104006605 Acquired: 4/4/2011 16:14:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03598**	**266.10**	**.02470**	**.18645**	**1.1232**	^ *****	**.83234**
Stddev	.00027	.22	.00095	.00382	.0030	-----	.00647
%RSD	.75234	.08093	3.8357	2.0478	.26588	-----	.77738
#1	.03612	265.99	.02520	.18484	1.1266	^ -----	.83091
#2	.03567	265.96	.02528	.19081	1.1216	^ -----	.83940
#3	.03615	266.35	.02360	.18371	1.1213	^ -----	.82670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00629**	**.08935**	**.36987**	**.30987**	**531.48**	**24.192**	**.10719**
Stddev	.00004	.00024	.00035	.00180	8.60	.030	.00006
%RSD	.69865	.26408	.09486	.58117	1.6174	.12579	.05262
#1	.00624	.08945	.36983	.31068	529.56	24.224	.10713
#2	.00632	.08951	.37023	.31113	540.87	24.163	.10721
#3	.00631	.08908	.36954	.30781	524.00	24.190	.10724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.592**	**2.8301**	**.00416**	**1.9834**	**.14985**	**10.128**	**.18496**
Stddev	.015	.0045	.00008	.0113	.00069	.008	.00079
%RSD	.06258	.15763	1.8177	.56962	.46161	.08313	.42599
#1	23.578	2.8276	.00409	1.9838	.15053	10.135	.18587
#2	23.591	2.8275	.00416	1.9719	.14986	10.131	.18457
#3	23.607	2.8353	.00424	1.9945	.14915	10.119	.18444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006605 Acquired: 4/4/2011 16:14:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.4443**	F **30.701**	F **-1744.6**	**-.00331**	**-.00062**	**1.7924**	**.02191**
Stddev	.6277	.143	9.4	.00108	.00419	.0057	.00047
%RSD	18.223	.46536	.53735	32.578	678.00	.32054	2.1501
#1	-3.8426	30.740	-1744.5	-.00455	.00232	1.7989	.02141
#2	-2.7208	30.821	-1754.0	-.00259	-.00541	1.7879	.02234
#3	-3.7696	30.543	-1735.3	-.00279	.00124	1.7905	.02199
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01017**	**5.2870**	**.03772**	**1.1648**	**.79957**	**.08948**
Stddev	.00006	.0037	.00150	.0052	.00108	.00031
%RSD	.62246	.06913	3.9662	.44437	.13533	.34170
#1	.01022	5.2912	.03943	1.1677	.79909	.08971
#2	.01010	5.2852	.03667	1.1678	.80081	.08959
#3	.01020	5.2846	.03705	1.1588	.79882	.08913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63333.**	**71184.**
Stddev	212.	19.
%RSD	.33409	.02625
#1	63302.	71164.
#2	63138.	71187.
#3	63558.	71201.

Approved: April 05, 2011

Sample Name: L1104006606 Acquired: 4/4/2011 16:17:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02755**	**275.87**	**.01997**	**.14003**	**1.1497**	**.00517**	**1.4739**
Stddev	.00013	2.06	.00128	.00574	.0057	.00003	.0108
%RSD	.48603	.74495	6.4134	4.0979	.49777	.65224	.73478
#1	.02741	277.89	.02128	.14470	1.1555	.00515	1.4813
#2	.02758	275.94	.01990	.13362	1.1496	.00521	1.4788
#3	.02767	273.78	.01873	.14177	1.1441	.00515	1.4614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.20721**	**.40647**	**.24474**	**402.70**	**16.635**	**.10669**
Stddev	.00007	.00023	.00107	.00136	7.68	.076	.00189
%RSD	.58643	.11245	.26375	.55543	1.9079	.45736	1.7684
#1	.01170	.20698	.40731	.24414	409.56	16.707	.10618
#2	.01169	.20744	.40526	.24630	394.40	16.641	.10510
#3	.01158	.20722	.40684	.24379	404.16	16.556	.10877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.591**	**5.9023**	**.00483**	**4.0111**	**.17285**	**9.7720**	**.24845**
Stddev	.043	.0096	.00034	.0289	.00114	.0157	.00248
%RSD	.24344	.16201	6.9584	.72099	.65949	.16052	.99990
#1	17.563	5.9130	.00445	4.0410	.17168	9.7564	.24563
#2	17.571	5.8996	.00509	4.0092	.17396	9.7878	.25030
#3	17.641	5.8944	.00494	3.9832	.17291	9.7720	.24942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006606 Acquired: 4/4/2011 16:17:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.07811**	F **17.191**	F **-860.00**	**.01696**	**-.00060**	**2.1115**	**.01990**
Stddev	4.5124	.047	4.47	.00159	.00119	.0055	.00011
%RSD	5776.7	.27343	.51956	9.4049	196.98	.26121	.56085
#1	-3.7136	17.142	-857.18	.01670	-.00067	2.1132	.01998
#2	-1.4928	17.194	-865.15	.01551	-.00176	2.1160	.01996
#3	4.9721	17.236	-857.67	.01867	.00062	2.1054	.01977
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01461**	**4.1336**	**.03097**	**1.2311**	**.87816**	**.10268**
Stddev	.00008	.0096	.00206	.0016	.00085	.00028
%RSD	.54266	.23308	6.6479	.13229	.09662	.27020
#1	.01469	4.1446	.03166	1.2294	.87830	.10270
#2	.01463	4.1295	.03260	1.2312	.87725	.10239
#3	.01453	4.1267	.02866	1.2326	.87893	.10294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63744.**	**71883.**
Stddev	169.	528.
%RSD	.26587	.73416
#1	63667.	71966.
#2	63938.	72364.
#3	63627.	71319.

Approved: April 05, 2011

Sample Name: L1104006607 Acquired: 4/4/2011 16:21:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00778**	**197.76**	**.07064**	**.14453**	**.74320**	**.00611**	**1.1970**
Stddev	.00012	.79	.00250	.00488	.00177	.00005	.0049
%RSD	1.5514	.39971	3.5341	3.3765	.23753	.87856	.41153
#1	.00771	197.32	.06785	.14321	.74119	.00614	1.2003
#2	.00791	197.28	.07266	.14993	.74395	.00605	1.1913
#3	.00771	198.67	.07141	.14044	.74447	.00615	1.1993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00211**	**.02817**	**.52930**	**.22271**	**401.73**	**4.9303**	**.05819**
Stddev	.00008	.00026	.00380	.00128	7.77	.0241	.00078
%RSD	3.7075	.91665	.71723	.57519	1.9336	.48796	1.3468
#1	.00217	.02823	.52796	.22345	400.40	4.9453	.05905
#2	.00213	.02789	.52636	.22123	410.08	4.9026	.05800
#3	.00202	.02839	.53358	.22345	394.71	4.9431	.05752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3514**	**.37351**	**.01282**	**3.3634**	**.05730**	**6.1345**	**.20448**
Stddev	.0207	.00060	.00022	.0187	.00035	.0172	.00242
%RSD	.61879	.16122	1.6827	.55662	.60516	.28048	1.1829
#1	3.3364	.37309	.01257	3.3680	.05754	6.1351	.20693
#2	3.3751	.37323	.01293	3.3429	.05690	6.1169	.20209
#3	3.3428	.37420	.01296	3.3795	.05745	6.1513	.20443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006607 Acquired: 4/4/2011 16:21:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3275**	F **30.157**	F **-1709.8**	**.01001**	**.00403**	**2.0428**	**.01358**
Stddev	5.2913	.043	7.3	.00171	.00128	.0063	.00020
%RSD	99.321	.14165	.42481	17.052	31.838	.30881	1.4805
#1	1.3054	30.172	-1704.5	.00903	.00255	2.0371	.01379
#2	11.322	30.108	-1706.7	.00902	.00473	2.0419	.01340
#3	3.3555	30.190	-1718.0	.01198	.00481	2.0496	.01355
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02612**	**.25275**	**.03568**	**1.3226**	**.15866**	**.19321**
Stddev	.00008	.00281	.00027	.0033	.00021	.00107
%RSD	.29104	1.1118	.76255	.24847	.12926	.55534
#1	.02603	.25261	.03598	1.3236	.15844	.19271
#2	.02617	.25002	.03545	1.3189	.15867	.19249
#3	.02615	.25563	.03561	1.3253	.15885	.19445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62321.**	**69009.**
Stddev	85.	653.
%RSD	.13701	.94650
#1	62232.	69731.
#2	62328.	68460.
#3	62403.	68834.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:24:41 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41722**	**9.8104**	**.40335**	**.50444**	**.97271**	**.05084**	**9.7460**
Stddev	.00297	.0378	.00136	.00400	.00239	.00035	.0165
%RSD	.71160	.38546	.33802	.79390	.24614	.69068	.16936
#1	.42018	9.8540	.40209	.50906	.97506	.05123	9.7543
#2	.41723	9.7897	.40317	.50206	.97279	.05055	9.7567
#3	.41424	9.7874	.40479	.50219	.97027	.05073	9.7270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05129**	**.20751**	**.50721**	**.51498**	**3.9413**	**49.502**	**.99228**
Stddev	.00011	.00021	.00401	.00066	.0008	.092	.00184
%RSD	.22287	.10056	.79013	.12859	.01979	.18651	.18503
#1	.05140	.20770	.51175	.51563	3.9414	49.607	.99438
#2	.05118	.20753	.50415	.51430	3.9404	49.437	.99103
#3	.05128	.20729	.50572	.51501	3.9420	49.461	.99141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.140**	**.50216**	**.99296**	**49.957**	**.51016**	**9.9413**	**.51473**
Stddev	.020	.00053	.00090	.054	.00097	.0033	.00157
%RSD	.19589	.10470	.09098	.10854	.19044	.03303	.30499
#1	10.163	.50276	.99250	49.897	.51076	9.9409	.51451
#2	10.125	.50193	.99238	50.003	.50904	9.9383	.51639
#3	10.134	.50178	.99401	49.971	.51068	9.9448	.51328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:24:41 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.466**	**10.480**	F **14.960**	**1.2181**	**.40569**	**5.0168**	**1.0212**
Stddev	1.627	.043	2.388	.0020	.00193	.0057	.0007
%RSD	8.3566	.40784	15.963	.16452	.47660	.11366	.07149
#1	19.899	10.430	16.893	1.2175	.40755	5.0167	1.0206
#2	20.832	10.504	12.290	1.2165	.40369	5.0112	1.0220
#3	17.666	10.505	15.698	1.2203	.40582	5.0226	1.0209
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98164**	**.98784**	**.52299**	**1.0243**	**1.0216**	**.99567**
Stddev	.00165	.00139	.00030	.0060	.0010	.00940
%RSD	.16833	.14098	.05753	.58304	.09798	.94424
#1	.98142	.98929	.52308	1.0311	1.0222	1.0065
#2	.98339	.98652	.52265	1.0216	1.0222	.99038
#3	.98011	.98771	.52323	1.0201	1.0205	.99011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63094.**	**67837.**
Stddev	20.	308.
%RSD	.03181	.45368
#1	63077.	67763.
#2	63089.	68175.
#3	63116.	67573.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 16:28:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.01093**	**.00054**	**.00137**	**.00010**	**.00003**	**-.01014**
Stddev	.00040	.01057	.00135	.00074	.00005	.00001	.00218
%RSD	120.90	96.708	249.99	54.247	47.487	50.392	21.467
#1	-.00030	-.01490	.00098	.00078	.00006	.00004	-.01265
#2	.00005	-.01895	.00162	.00220	.00009	.00002	-.00898
#3	-.00074	.00105	-.00097	.00113	.00015	.00002	-.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00006**	**-.00005**	**.00013**	**-.00150**	**.09345**	**-.00133**
Stddev	.00006	.00014	.00015	.00033	.00095	.02577	.00040
%RSD	86.785	236.53	290.72	254.39	63.034	27.582	30.157
#1	.00013	.00006	.00011	-.00013	-.00260	.08893	-.00130
#2	.00001	-.00003	-.00009	.00001	-.00090	.12118	-.00095
#3	.00007	-.00021	-.00018	.00050	-.00102	.07023	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00211**	**-.00004**	**.00018**	**.00555**	**-.00025**	**.00159**	**-.00071**
Stddev	.00421	.00031	.00005	.00202	.00003	.00078	.00101
%RSD	199.56	705.70	27.346	36.411	11.594	48.931	142.78
#1	-.00526	-.00012	.00012	.00345	-.00028	.00070	-.00167
#2	.00267	-.00031	.00021	.00748	-.00024	.00211	-.00079
#3	-.00374	.00029	.00019	.00574	-.00023	.00197	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 16:28:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.039**	F **-.05485**	F **7.3367**	**.00067**	**.00052**	**.00120**	**-.00065**
Stddev	3.142	.02267	3.8953	.00023	.00147	.00073	.00022
%RSD	14.259	41.325	53.094	34.733	282.76	60.913	33.354
#1	21.786	-.02992	11.145	.00048	-.00117	.00203	-.00078
#2	25.299	-.07422	7.5059	.00093	.00151	.00064	-.00040
#3	19.030	-.06040	3.3596	.00060	.00123	.00093	-.00078
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00034**	**-.00027**	**.00014**	**-.00036**	**-.00015**
Stddev	.00007	.00065	.00043	.00005	.00003	.00009
%RSD	96.663	188.90	160.20	32.729	8.3736	64.993
#1	-.00005	-.00048	-.00053	.00009	-.00032	-.00018
#2	-.00014	-.00091	.00023	.00017	-.00038	-.00004
#3	-.00001	.00036	-.00051	.00017	-.00037	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64777.**	**67977.**
Stddev	90.	118.
%RSD	.13865	.17425
#1	64677.	67841.
#2	64850.	68030.
#3	64804.	68060.

Approved: April 05, 2011

Sample Name: L1104006608 Acquired: 4/4/2011 16:31:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03219**	**320.45**	**.02451**	**.23127**	**.81016**	^ *****	**9.2405**
Stddev	.00026	1.57	.00121	.00723	.00248	-----	.0329
%RSD	.80757	.48872	4.9362	3.1264	.30672	-----	.35586
#1	.03190	320.35	.02353	.22757	.81265	^ -----	9.2554
#2	.03241	322.07	.02586	.23960	.81013	^ -----	9.2633
#3	.03226	318.94	.02413	.22663	.80769	^ -----	9.2028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**.17102**	**.25551**	**.30687**	**653.72**	**16.387**	**.08567**
Stddev	.00008	.00054	.00157	.00367	12.61	.040	.00208
%RSD	1.3911	.31623	.61371	1.1968	1.9286	.24361	2.4255
#1	.00600	.17048	.25551	.30909	646.64	16.355	.08767
#2	.00601	.17102	.25394	.30263	668.27	16.432	.08353
#3	.00586	.17156	.25708	.30888	646.24	16.374	.08580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.211**	**8.9722**	**.00574**	**.71019**	**.15203**	**9.8221**	**.26633**
Stddev	.116	.0404	.00042	.00274	.00127	.0139	.00036
%RSD	.60540	.45029	7.3418	.38630	.83358	.14108	.13518
#1	19.093	8.9288	.00622	.70717	.15165	9.8226	.26620
#2	19.326	9.0087	.00542	.71253	.15100	9.8080	.26674
#3	19.214	8.9793	.00559	.71086	.15344	9.8357	.26606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006608 Acquired: 4/4/2011 16:31:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1.5366**	F **49.876**	F **-2329.0**	**.01327**	**.00074**	**2.1615**	**.02323**
Stddev	6.2882	.265	10.0	.00232	.00445	.0128	.00055
%RSD	409.23	.53139	.42931	17.481	600.27	.59010	2.3557
#1	-1.4233	49.655	-2319.8	.01175	.00295	2.1751	.02270
#2	4.6942	49.802	-2327.6	.01212	.00366	2.1598	.02320
#3	-7.8807	50.170	-2339.7	.01594	-.00438	2.1497	.02379
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04333**	**4.6797**	**.03904**	**1.4104**	**.61112**	**.11341**
Stddev	.00014	.0051	.00157	.0026	.00102	.00055
%RSD	.31210	.10960	4.0197	.18474	.16647	.48659
#1	.04327	4.6764	.04072	1.4079	.61116	.11318
#2	.04348	4.6856	.03880	1.4102	.61008	.11404
#3	.04322	4.6771	.03761	1.4131	.61212	.11301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61575.**	**68521.**
Stddev	107.	559.
%RSD	.17337	.81643
#1	61499.	68998.
#2	61697.	67905.
#3	61528.	68659.

Approved: April 05, 2011

Sample Name: L1104006701 Acquired: 4/4/2011 16:35:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01381**	**350.74**	**.05221**	**.27517**	**.61621**	**.00757**	**1.1525**
Stddev	.00029	1.22	.00089	.00549	.00136	.00002	.0051
%RSD	2.1183	.34873	1.7127	1.9939	.22032	.32242	.44284
#1	.01398	351.69	.05126	.27784	.61686	.00760	1.1583
#2	.01398	351.15	.05234	.27882	.61712	.00755	1.1507
#3	.01347	349.36	.05304	.26886	.61465	.00757	1.1486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.08931**	**.52743**	**.32580**	**794.87**	**6.9128**	**.07431**
Stddev	.00011	.00002	.00340	.00254	10.96	.0284	.00019
%RSD	3.5664	.02261	.64434	.77874	1.3788	.41005	.25065
#1	.00310	.08931	.52973	.32778	798.76	6.9455	.07453
#2	.00316	.08929	.52353	.32294	803.36	6.8972	.07423
#3	.00295	.08933	.52904	.32669	782.50	6.8956	.07418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0391**	**7.8847**	**.01111**	**.21002**	**.11613**	**6.2906**	**.23732**
Stddev	.0307	.0198	.00028	.00803	.00029	.0154	.00184
%RSD	.50900	.25121	2.4963	3.8257	.25305	.24463	.77486
#1	6.0163	7.8669	.01102	.21834	.11590	6.2852	.23868
#2	6.0269	7.8813	.01142	.20943	.11604	6.2786	.23806
#3	6.0741	7.9060	.01088	.20230	.11646	6.3080	.23523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701 Acquired: 4/4/2011 16:35:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1788**	F **35.086**	F **-1932.0**	**.00569**	**.00622**	**2.1039**	**.02421**
Stddev	3.6918	.075	1.1	.00187	.00196	.0008	.00015
%RSD	313.17	.21510	.05937	32.848	31.444	.03573	.63074
#1	-1.5275	35.171	-1930.7	.00765	.00762	2.1031	.02439
#2	-.32032	35.060	-1932.5	.00393	.00705	2.1040	.02411
#3	5.3843	35.026	-1932.8	.00550	.00399	2.1046	.02413
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01422**	**1.0115**	**.04995**	**1.5608**	**.40345**	**.17712**
Stddev	.00005	.0002	.00202	.0080	.00035	.00173
%RSD	.38221	.01917	4.0388	.51269	.08641	.97671
#1	.01418	1.0117	.05169	1.5689	.40319	.17874
#2	.01421	1.0114	.05042	1.5528	.40384	.17530
#3	.01428	1.0113	.04774	1.5608	.40331	.17732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60666.**	**68829.**
Stddev	117.	61.
%RSD	.19229	.08876
#1	60541.	68835.
#2	60685.	68886.
#3	60772.	68764.

Approved: April 05, 2011

Sample Name: L1104006702S Acquired: 4/4/2011 16:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20225**	**331.47**	**.21806**	**.93366**	**1.0670**	**.03036**	**5.7128**
Stddev	.00133	1.57	.00118	.00690	.0033	.00011	.0120
%RSD	.65682	.47377	.53913	.73889	.30848	.36979	.20980
#1	.20214	332.72	.21900	.93149	1.0685	.03034	5.7216
#2	.20363	331.97	.21843	.92810	1.0693	.03049	5.7177
#3	.20098	329.71	.21674	.94138	1.0632	.03026	5.6992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02579**	**.16613**	**.76231**	**.52727**	**775.73**	**29.234**	**.52413**
Stddev	.00012	.00090	.00546	.00582	15.43	.038	.00196
%RSD	.46277	.54151	.71573	1.1041	1.9890	.13104	.37408
#1	.02593	.16648	.75994	.52987	779.51	29.236	.52627
#2	.02569	.16680	.76855	.53134	758.77	29.272	.52368
#3	.02576	.16511	.75843	.52060	788.93	29.195	.52242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.316**	**6.4076**	**.44866**	**23.513**	**.32881**	**6.3071**	**.43033**
Stddev	.027	.0075	.00092	.067	.00127	.0310	.00012
%RSD	.25891	.11646	.20571	.28500	.38489	.49180	.02711
#1	10.285	6.3989	.44761	23.575	.32906	6.3109	.43025
#2	10.327	6.4120	.44932	23.522	.32993	6.3361	.43047
#3	10.334	6.4117	.44907	23.442	.32744	6.2744	.43029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006702S Acquired: 4/4/2011 16:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7887**	F **39.884**	F **-1969.1**	**.50093**	**.14193**	**4.3497**	**.52038**
Stddev	4.5460	.298	15.6	.00198	.00209	.0177	.00066
%RSD	66.964	.74734	.79106	.39598	1.4696	.40796	.12669
#1	1.9799	40.112	-1982.7	.50055	.14171	4.3662	.51977
#2	7.3704	39.992	-1972.5	.50307	.14411	4.3519	.52108
#3	11.016	39.546	-1952.1	.49916	.13996	4.3309	.52030
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47422**	**2.1140**	**.26547**	**2.0985**	**.84028**	**.15828**
Stddev	.00219	.0040	.00087	.0084	.00097	.00100
%RSD	.46079	.18816	.32813	.40099	.11588	.63233
#1	.47623	2.1143	.26462	2.0945	.84011	.15728
#2	.47453	2.1179	.26543	2.1082	.84133	.15928
#3	.47190	2.1099	.26636	2.0929	.83941	.15828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60320.**	**67750.**
Stddev	206.	158.
%RSD	.34121	.23296
#1	60140.	67770.
#2	60275.	67896.
#3	60545.	67583.

Approved: April 05, 2011

Sample Name: L1104006703SD Acquired: 4/4/2011 16:42:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19823**	**361.82**	**.22254**	**.95681**	**1.0856**	**.03061**	**5.6981**
Stddev	.00146	.57	.00112	.00470	.0031	.00003	.0254
%RSD	.73620	.15872	.50436	.49157	.28701	.08703	.44618
#1	.19990	361.23	.22230	.96223	1.0838	.03062	5.6718
#2	.19720	362.37	.22376	.95438	1.0892	.03058	5.7225
#3	.19758	361.86	.22155	.95383	1.0838	.03063	5.6999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02570**	**.15383**	**.78531**	**.52627**	**799.79**	**29.842**	**.53791**
Stddev	.00003	.00021	.00451	.00055	10.10	.113	.00102
%RSD	.12215	.13412	.57437	.10530	1.2627	.37916	.19005
#1	.02566	.15380	.78151	.52564	811.25	29.727	.53775
#2	.02572	.15405	.78412	.52652	795.89	29.953	.53901
#3	.02571	.15364	.79029	.52665	792.21	29.847	.53698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.743**	**5.9326**	**.45079**	**23.643**	**.33588**	**6.4264**	**.42097**
Stddev	.046	.0039	.00094	.011	.00048	.0160	.00139
%RSD	.42593	.06622	.20764	.04785	.14342	.24875	.32993
#1	10.692	5.9283	.44979	23.643	.33533	6.4089	.42182
#2	10.781	5.9334	.45163	23.632	.33626	6.4300	.41936
#3	10.756	5.9360	.45096	23.655	.33604	6.4403	.42171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006703SD Acquired: 4/4/2011 16:42:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360718-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0562**	F **41.359**	F **-2065.5**	**.49730**	**.14464**	**3.9770**	**.47346**
Stddev	2.8944	.029	1.9	.00034	.00095	.0053	.00147
%RSD	274.04	.06969	.09356	.06884	.65620	.13386	.30987
#1	-1.2097	41.387	-2065.3	.49696	.14396	3.9715	.47190
#2	4.3168	41.360	-2067.5	.49765	.14573	3.9772	.47366
#3	.06146	41.330	-2063.6	.49728	.14424	3.9822	.47482
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47824**	**2.0200**	**.26237**	**2.0883**	**.85933**	**.15944**
Stddev	.00064	.0004	.00163	.0051	.00067	.00089
%RSD	.13306	.01840	.62308	.24322	.07835	.56116
#1	.47752	2.0196	.26239	2.0873	.85877	.15876
#2	.47847	2.0203	.26399	2.0839	.86008	.15912
#3	.47873	2.0201	.26072	2.0939	.85915	.16046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60948.**	**67805.**
Stddev	27.	344.
%RSD	.04429	.50718
#1	60963.	67586.
#2	60917.	67627.
#3	60964.	68201.

Approved: April 05, 2011

Sample Name: L1104006701PS Acquired: 4/4/2011 16:45:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360751-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21356**	**322.28**	**.24420**	**1.1430**	**1.0515**	**.03258**	**6.0088**
Stddev	.00114	1.08	.00205	.0042	.0053	.00013	.0174
%RSD	.53285	.33650	.83894	.36304	.50783	.40785	.29030
#1	.21225	322.21	.24651	1.1432	1.0504	.03247	5.9980
#2	.21423	321.24	.24261	1.1388	1.0468	.03273	5.9994
#3	.21421	323.40	.24348	1.1471	1.0573	.03254	6.0289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02754**	**.18073**	**.73055**	**.52888**	**701.28**	**31.316**	**.57104**
Stddev	.00013	.00066	.00477	.00156	8.36	.087	.00170
%RSD	.46538	.36273	.65240	.29577	1.1919	.27877	.29811
#1	.02769	.18121	.72703	.52975	706.67	31.292	.57075
#2	.02747	.18100	.73597	.52982	691.65	31.242	.56949
#3	.02747	.17998	.72865	.52707	705.53	31.412	.57286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.421**	**7.3561**	**.51727**	**25.487**	**.35263**	**5.7102**	**.45344**
Stddev	.041	.0118	.00076	.018	.00130	.0142	.00299
%RSD	.39333	.16114	.14740	.07073	.36831	.24920	.65858
#1	10.374	7.3438	.51729	25.469	.35374	5.7073	.45670
#2	10.437	7.3569	.51650	25.505	.35295	5.7257	.45084
#3	10.451	7.3675	.51803	25.488	.35120	5.6977	.45279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701PS Acquired: 4/4/2011 16:45:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360751-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42009**	F **36.310**	F **-1723.9**	**.58448**	**.19512**	**4.3470**	**.02194**
Stddev	1.9793	.157	9.6	.00197	.00124	.0104	.00036
%RSD	471.18	.43319	.55864	.33729	.63385	.23939	1.6608
#1	1.7222	36.457	-1734.9	.58662	.19650	4.3583	.02153
#2	-1.8577	36.330	-1717.3	.58407	.19475	4.3378	.02222
#3	1.3958	36.144	-1719.4	.58274	.19411	4.3449	.02206
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51224**	**1.4124**	**.27772**	**1.9067**	**.86057**	**.16099**
Stddev	.00095	.0027	.00080	.0102	.00088	.00073
%RSD	.18508	.18862	.28627	.53629	.10208	.45130
#1	.51160	1.4103	.27803	1.8956	.86047	.16021
#2	.51179	1.4116	.27682	1.9087	.86149	.16164
#3	.51333	1.4154	.27832	1.9158	.85974	.16111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61116.**	**69162.**
Stddev	64.	197.
%RSD	.10490	.28550
#1	61150.	69311.
#2	61042.	68938.
#3	61156.	69236.

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:48:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00246**	**71.167**	**.01159**	**.06208**	**.12321**	**.00149**	**.20862**
Stddev	.00040	.440	.00059	.00052	.00026	.00003	.00321
%RSD	16.224	.61809	5.0551	.83762	.20774	1.9669	1.5396
#1	.00210	71.583	.01118	.06176	.12350	.00147	.21078
#2	.00240	70.707	.01133	.06268	.12303	.00153	.21015
#3	.00289	71.210	.01226	.06181	.12309	.00148	.20493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01908**	**.10770**	**.06765**	**168.06**	**1.5041**	**.01541**
Stddev	.00006	.00013	.00149	.00085	.26	.0173	.00052
%RSD	10.674	.67027	1.3822	1.2491	.15593	1.1507	3.3440
#1	.00061	.01896	.10629	.06684	168.35	1.5010	.01483
#2	.00056	.01908	.10926	.06853	167.86	1.4885	.01581
#3	.00049	.01921	.10755	.06759	167.96	1.5227	.01560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2967**	**1.6264**	**.00202**	**.04462**	**.02520**	**1.3921**	**.05477**
Stddev	.0193	.0043	.00019	.00852	.00044	.0061	.00077
%RSD	1.4885	.26462	9.5486	19.090	1.7561	.43886	1.4011
#1	1.3180	1.6282	.00217	.05274	.02470	1.3851	.05439
#2	1.2915	1.6215	.00180	.03576	.02536	1.3964	.05566
#3	1.2805	1.6295	.00207	.04537	.02554	1.3948	.05427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:48:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.577**	**7.5572**	F **-416.24**	**.00027**	**.00164**	**.45733**	**.00441**
Stddev	2.091	.0945	4.91	.00132	.00068	.00265	.00018
%RSD	11.258	1.2510	1.1784	487.98	41.715	.57868	4.0550
#1	19.263	7.4528	-410.69	-.00100	.00243	.45626	.00424
#2	16.229	7.6371	-418.06	.00164	.00129	.46035	.00440
#3	20.240	7.5818	-419.97	.00017	.00120	.45539	.00459
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**.20614**	**.01102**	**.31074**	**.08686**	**.03354**
Stddev	.00000	.00181	.00058	.00261	.00024	.00051
%RSD	.16775	.87757	5.2986	.84054	.27741	1.5200
#1	.00280	.20821	.01059	.30779	.08676	.03300
#2	.00281	.20533	.01079	.31276	.08714	.03401
#3	.00280	.20488	.01169	.31167	.08669	.03362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65679.**	**69506.**
Stddev	362.	295.
%RSD	.55063	.42482
#1	66094.	69478.
#2	65509.	69815.
#3	65433.	69226.

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:52:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**14.397**	**.00320**	**.01317**	**.02480**	**.00030**	**.02531**
Stddev	.00024	.145	.00030	.00060	.00004	.00001	.00860
%RSD	216.49	1.0055	9.2686	4.5295	.16410	2.1944	33.994
#1	-.00039	14.415	.00288	.01386	.02481	.00030	.01677
#2	-.00001	14.244	.00328	.01276	.02484	.00030	.02518
#3	.00006	14.532	.00345	.01290	.02476	.00029	.03398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00396**	**.02145**	**.01368**	**33.699**	**.36928**	**.00080**
Stddev	.0001	.00022	.00016	.00030	.190	.03856	.00145
%RSD	4252.3	5.6525	.74631	2.1847	.56359	10.443	180.73
#1	.00004	.00415	.02162	.01402	33.715	.41165	.00245
#2	.00002	.00371	.02130	.01356	33.502	.35997	.00021
#3	-.00006	.00403	.02144	.01346	33.881	.33623	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25804**	**.33229**	**.00022**	**-.01150**	**.00482**	**.29512**	**.01093**
Stddev	.00432	.00235	.00003	.00723	.00039	.00200	.00077
%RSD	1.6723	.70834	14.155	62.908	8.0709	.67874	7.0220
#1	.25313	.33366	.00020	-.01984	.00444	.29717	.01007
#2	.26122	.32957	.00021	-.00777	.00481	.29317	.01118
#3	.25977	.33364	.00026	-.00689	.00522	.29502	.01155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006701SDL Acquired: 4/4/2011 16:52:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360751-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **24.047**	**1.4810**	F **-78.135**	**-.00276**	**-.00037**	**.08756**	**.00003**
Stddev	.198	.0165	3.517	.00027	.00073	.00017	.00021
%RSD	.82389	1.1144	4.5007	9.6292	194.00	.19457	735.38
#1	23.826	1.4846	-80.507	-.00247	-.00002	.08775	-.00001
#2	24.104	1.4631	-79.804	-.00281	-.00121	.08742	-.00016
#3	24.210	1.4955	-74.095	-.00299	.00011	.08750	.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.04131**	**.00265**	**.06172**	**.01813**	**.00542**
Stddev	.00001	.00101	.00106	.00032	.00006	.00005
%RSD	1.2967	2.4366	39.849	.52587	.34177	.99804
#1	.00049	.04056	.00295	.06177	.01809	.00547
#2	.00049	.04091	.00354	.06201	.01820	.00543
#3	.00050	.04245	.00148	.06137	.01810	.00537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66954.**	**69200.**
Stddev	147.	316.
%RSD	.21982	.45622
#1	66968.	69139.
#2	67093.	69542.
#3	66800.	68919.

Approved: April 05, 2011

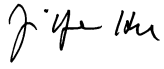
Sample Name: L1104006701SDL Acquired: 4/4/2011 16:55:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**2.9411**	**.00202**	**.00307**	**.00531**	**.00005**	**-.01468**
Stddev	.00069	.0299	.00010	.00084	.00013	.00001	.00893
%RSD	130.96	1.0161	5.1393	27.287	2.4290	21.438	60.834
#1	-.00045	2.9471	.00213	.00404	.00516	.00004	-.01944
#2	.00012	2.9676	.00202	.00254	.00539	.00006	-.00438
#3	-.00126	2.9087	.00192	.00264	.00538	.00005	-.02022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00104**	**.00425**	**.00288**	**6.8609**	**.13205**	**-.00065**
Stddev	.00004	.00001	.00011	.00026	.0200	.02448	.00122
%RSD	171.12	.91918	2.5659	9.0131	.29126	18.541	187.24
#1	-.00001	.00104	.00424	.00305	6.8402	.13510	.00069
#2	-.00006	.00103	.00436	.00258	6.8801	.10618	-.00094
#3	.00001	.00105	.00414	.00301	6.8624	.15486	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04901**	**.06878**	**-.00003**	**-.00499**	**.00065**	**.06427**	**.00188**
Stddev	.01332	.00026	.00019	.00152	.00032	.00167	.00056
%RSD	27.177	.37124	697.97	30.374	48.296	2.6005	29.809
#1	.06182	.06904	.00011	-.00553	.00029	.06243	.00189
#2	.04999	.06878	.00006	-.00328	.00079	.06569	.00244
#3	.03523	.06853	-.00025	-.00616	.00088	.06470	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104006701SDL Acquired: 4/4/2011 16:55:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.391**	**.22796**	F **-9.8171**	**-.00116**	**-.00182**	**.01230**	**-.00078**
Stddev	5.454	.02695	3.8884	.00105	.00055	.00109	.00009
%RSD	31.360	11.824	39.609	90.932	30.239	8.8438	12.064
#1	13.024	.25686	-10.316	-.00069	-.00189	.01329	-.00082
#2	23.504	.20350	-5.7031	-.00236	-.00123	.01246	-.00085
#3	15.646	.22352	-13.432	-.00042	-.00232	.01114	-.00068
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00728**	**.00077**	**.01307**	**.00441**	**.00096**
Stddev	.00004	.00025	.00033	.00009	.00009	.00010
%RSD	47.425	3.3892	42.795	.69087	2.0185	10.394
#1	.00013	.00751	.00096	.01317	.00438	.00105
#2	.00005	.00732	.00039	.01300	.00434	.00097
#3	.00009	.00702	.00095	.01303	.00451	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**66684.**	**69610.**
Stddev	100.	253.
%RSD	.14938	.36339
#1	66611.	69792.
#2	66798.	69321.
#3	66645.	69716.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:59:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40929**	**9.8369**	**.39963**	**.50297**	**.98078**	**.05037**	**9.7687**
Stddev	.00149	.0579	.00053	.00098	.00125	.00024	.0677
%RSD	.36395	.58851	.13352	.19495	.12763	.46757	.69333
#1	.40882	9.7797	.39970	.50300	.98122	.05011	9.6996
#2	.40809	9.8355	.40013	.50198	.97937	.05043	9.7717
#3	.41095	9.8954	.39907	.50394	.98175	.05057	9.8349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05086**	**.20475**	**.50581**	**.50620**	**3.9409**	**49.561**	**.99564**
Stddev	.00020	.00058	.00273	.00158	.0112	.193	.00148
%RSD	.38557	.28301	.53987	.31224	.28519	.38923	.14902
#1	.05064	.20420	.50381	.50459	3.9420	49.360	.99563
#2	.05097	.20470	.50469	.50774	3.9515	49.579	.99417
#3	.05098	.20535	.50892	.50628	3.9291	49.744	.99713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.031**	**.49852**	**.99629**	**49.941**	**.50882**	**9.8594**	**.51307**
Stddev	.054	.00128	.00182	.380	.00163	.0293	.00231
%RSD	.53487	.25586	.18257	.76161	.32119	.29762	.44989
#1	9.9700	.49732	.99742	49.588	.50713	9.8257	.51073
#2	10.072	.49986	.99726	49.892	.51039	9.8726	.51535
#3	10.050	.49839	.99419	50.344	.50894	9.8798	.51313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 16:59:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.380**	**10.262**	F **16.707**	**1.2168**	**.40059**	**5.0044**	**1.0104**
Stddev	7.165	.106	.684	.0017	.00410	.0088	.0013
%RSD	62.966	1.0354	4.0971	.14042	1.0245	.17505	.12488
#1	3.4310	10.139	17.284	1.2151	.40048	4.9944	1.0091
#2	13.365	10.320	16.885	1.2185	.40474	5.0087	1.0105
#3	17.343	10.326	15.951	1.2170	.39654	5.0102	1.0117
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98714**	**.99009**	**.51809**	**1.0105**	**1.0113**	**1.0025**
Stddev	.00674	.00362	.00071	.0042	.0012	.0029
%RSD	.68244	.36519	.13769	.41890	.12092	.28807
#1	.98166	.98604	.51727	1.0084	1.0101	1.0003
#2	.98510	.99121	.51853	1.0078	1.0114	1.0014
#3	.99466	.99301	.51848	1.0154	1.0125	1.0058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63242.**	**68301.**
Stddev	177.	529.
%RSD	.27988	.77496
#1	63426.	68877.
#2	63226.	67836.
#3	63073.	68191.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:02:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00443**	**-.00018**	**.00140**	**.00026**	**.00002**	**-.00920**
Stddev	.00013	.00733	.00037	.00090	.00016	.00001	.00922
%RSD	179.24	165.55	205.63	64.224	63.708	58.653	100.31
#1	.00005	-.01013	-.00056	.00199	.00026	.00002	-.01812
#2	-.00020	-.00700	.00019	.00185	.00042	.00001	-.00977
#3	-.00007	.00384	-.00017	.00037	.00009	.00003	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00003**	**-.00004**	**-.00011**	**-.00115**	**.11024**	**-.00108**
Stddev	.00005	.00008	.00062	.00031	.00169	.01536	.00143
%RSD	127.02	295.17	1430.7	291.01	147.22	13.931	133.26
#1	.00008	-.00005	.00067	-.00044	-.00286	.12797	.00014
#2	.00007	.00010	-.00036	-.00007	-.00110	.10176	-.00071
#3	-.00002	.00002	-.00044	.00019	.00052	.10099	-.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00254**	**-.00007**	**.00005**	**.00540**	**.00006**	**.00090**	**-.00043**
Stddev	.00452	.00011	.00013	.00505	.00020	.00122	.00086
%RSD	177.95	160.85	289.90	93.463	358.53	135.66	199.63
#1	-.00172	.00003	.00016	.01119	.00027	.00223	.00051
#2	.00152	-.00018	-.00010	.00315	.00003	.00067	-.00063
#3	-.00742	-.00005	.00008	.00187	-.00013	-.00019	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:02:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.460**	F **-.11668**	F **7.0235**	**.00083**	**-.00087**	**.00039**	**-.00068**
Stddev	5.848	.01749	2.1864	.00097	.00167	.00088	.00013
%RSD	31.681	14.987	31.129	116.82	192.27	224.11	18.732
#1	12.363	-.12384	6.2511	-.00003	.00029	.00082	-.00062
#2	18.994	-.09675	9.4913	.00064	-.00011	.00098	-.00060
#3	24.022	-.12945	5.3283	.00187	-.00279	-.00062	-.00083
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00090**	**-.00106**	**.00030**	**-.00040**	**-.00007**
Stddev	.00003	.00064	.00047	.00005	.00006	.00006
%RSD	321.12	70.535	44.142	16.336	14.634	90.531
#1	.00001	-.00145	-.00123	.00032	-.00045	-.00012
#2	.00005	-.00105	-.00053	.00034	-.00034	-.00009
#3	-.00002	-.00020	-.00142	.00025	-.00042	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64717.**	**67154.**
Stddev	271.	275.
%RSD	.41940	.40965
#1	65025.	67410.
#2	64513.	66863.
#3	64614.	67189.

Approved: April 05, 2011

Sample Name: L1104006901 Acquired: 4/4/2011 17:06:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**74.857**	**.12930**	**.08398**	**1.1555**	**.00776**	F **1211.6**
Stddev	.00008	1.069	.00072	.00145	.0118	.00003	20.5
%RSD	2.9446	1.4279	.55417	1.7230	1.0256	.36986	1.6923
#1	.00275	73.624	.12975	.08248	1.1419	.00778	1189.1
#2	.00267	75.428	.12967	.08409	1.1609	.00773	1229.4
#3	.00260	75.520	.12847	.08537	1.1637	.00776	1216.2
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00842**	**.06743**	**.18453**	**.14116**	**184.42**	**7.9041**	**.12612**
Stddev	.00006	.00021	.00066	.00129	2.38	.1030	.00186
%RSD	.66806	.30656	.35536	.91211	1.2916	1.3029	1.4769
#1	.00844	.06766	.18528	.14243	181.68	7.7864	.12460
#2	.00835	.06737	.18406	.13986	185.59	7.9488	.12556
#3	.00846	.06726	.18424	.14119	185.99	7.9773	.12820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.293**	**5.7897**	**.01035**	**.85977**	**.10471**	**6.1706**	**.47087**
Stddev	.663	.0958	.00014	.01315	.00059	.0041	.00255
%RSD	1.6868	1.6545	1.3405	1.5296	.56744	.06643	.54067
#1	38.532	5.6806	.01021	.84469	.10492	6.1749	.47245
#2	39.603	5.8283	.01049	.86883	.10404	6.1700	.46794
#3	39.744	5.8602	.01037	.86579	.10517	6.1668	.47224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006901 Acquired: 4/4/2011 17:06:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.0639**	F **1625.0**	F **-14691.**	**.00899**	**.01014**	**2.2802**	**.00764**
Stddev	2.9759	3.1	49.	.00044	.00246	.0059	.00011
%RSD	36.904	.19261	.33516	4.9284	24.297	.25670	1.4257
#1	-11.347	1628.5	-14743.	.00950	.00916	2.2833	.00759
#2	-7.3018	1622.5	-14646.	.00879	.01294	2.2735	.00756
#3	-5.5431	1624.0	-14684.	.00868	.00831	2.2840	.00776
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.7338**	**.24357**	**.00543**	**.33263**	**.82397**	**.06587**
Stddev	.1684	.00343	.00064	.00176	.00163	.00034
%RSD	2.9368	1.4070	11.822	.52952	.19820	.51834
#1	5.5447	.23965	.00553	.33445	.82573	.06625
#2	5.7893	.24506	.00602	.33093	.82251	.06580
#3	5.8675	.24599	.00474	.33251	.82368	.06558
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**56956.**	**68205.**
Stddev	241.	737.
%RSD	.42280	1.0812
#1	56678.	69054.
#2	57097.	67725.
#3	57093.	67835.

Approved: April 05, 2011

Sample Name: L1104006902 Acquired: 4/4/2011 17:10:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00272**	**56.528**	**.11099**	**.07151**	**.99513**	**.00648**	F **1839.2**
Stddev	.00022	.245	.00127	.00038	.00065	.00002	19.0
%RSD	8.2341	.43428	1.1432	.53698	.06547	.35971	1.0343
#1	.00249	56.810	.10968	.07106	.99587	.00648	1854.0
#2	.00294	56.359	.11108	.07170	.99466	.00646	1845.9
#3	.00272	56.416	.11221	.07176	.99484	.00651	1817.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00931**	**.08028**	**.14738**	**.14054**	**163.86**	**4.8595**	**.19569**
Stddev	.00008	.00052	.00048	.00134	.04	.0440	.00201
%RSD	.87307	.64278	.32687	.95261	.02566	.90555	1.0248
#1	.00926	.08073	.14683	.14189	163.91	4.9051	.19801
#2	.00927	.07972	.14757	.13921	163.84	4.8562	.19448
#3	.00940	.08039	.14774	.14051	163.83	4.8173	.19458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**46.832**	**7.7641**	**.01106**	**1.2311**	**.12514**	**4.5083**	**.51382**
Stddev	.034	.0044	.00014	.0039	.00031	.0098	.00091
%RSD	.07245	.05709	1.2492	.31422	.24439	.21746	.17784
#1	46.838	7.7621	.01091	1.2345	.12538	4.5184	.51442
#2	46.863	7.7611	.01119	1.2319	.12480	4.4988	.51277
#3	46.795	7.7692	.01107	1.2269	.12525	4.5077	.51428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006902 Acquired: 4/4/2011 17:10:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.4126**	F **2699.2**	F **-13830.**	**.00970**	**.01179**	**2.2542**	**.00529**
Stddev	.9185	4.6	51.	.00186	.00103	.0216	.00014
%RSD	9.7586	.16922	.37100	19.206	8.7140	.95735	2.6123
#1	-9.6334	2703.2	-13878.	.00766	.01292	2.2679	.00545
#2	-10.201	2694.2	-13776.	.01015	.01154	2.2653	.00518
#3	-8.4038	2700.1	-13837.	.01130	.01091	2.2293	.00525
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.5914**	**.20654**	**.00657**	**.29786**	**.63955**	**.05626**
Stddev	.0090	.00134	.00125	.00121	.00111	.00017
%RSD	.09421	.64987	19.062	.40492	.17379	.30814
#1	9.5952	.20634	.00727	.29920	.64019	.05646
#2	9.5810	.20531	.00513	.29754	.63827	.05614
#3	9.5979	.20797	.00732	.29685	.64020	.05618
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	4.5000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**55151.**	**67164.**
Stddev	152.	541.
%RSD	.27553	.80542
#1	54988.	66572.
#2	55288.	67287.
#3	55177.	67632.

Approved: April 05, 2011

Sample Name: L1104006903 Acquired: 4/4/2011 17:13:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**70.680**	**.11563**	**.08589**	**.72365**	**.00757**	**32.845**
Stddev	.00032	.087	.00065	.00029	.00232	.00001	.726
%RSD	8.1504	.12323	.56433	.33724	.32053	.15412	2.2096
#1	.00376	70.586	.11572	.08585	.72122	.00757	33.636
#2	.00432	70.696	.11494	.08563	.72584	.00756	32.690
#3	.00376	70.757	.11623	.08620	.72388	.00758	32.210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00610**	**.08547**	**.21087**	**.11618**	**214.90**	**4.5563**	**.03424**
Stddev	.00006	.00063	.00046	.00096	.94	.0018	.00141
%RSD	.99261	.73527	.21733	.82513	.43707	.03872	4.1077
#1	.00611	.08613	.21136	.11728	213.85	4.5584	.03498
#2	.00604	.08538	.21046	.11574	215.20	4.5551	.03262
#3	.00616	.08489	.21078	.11551	215.66	4.5555	.03512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8667**	**5.7588**	**.01249**	**1.3103**	**.06019**	**3.5862**	**.37862**
Stddev	.0518	.0213	.00026	.0013	.00040	.0112	.00064
%RSD	.58371	.36923	2.1017	.09865	.65857	.31133	.16980
#1	8.8321	5.7354	.01258	1.3103	.05990	3.5955	.37919
#2	8.8419	5.7640	.01269	1.3089	.06064	3.5739	.37792
#3	8.9262	5.7769	.01219	1.3115	.06004	3.5893	.37874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006903 Acquired: 4/4/2011 17:13:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.2216**	F **165.18**	F **-7942.4**	**.00711**	**.00954**	**2.0083**	**.00758**
Stddev	2.7479	.29	25.2	.00111	.00087	.0332	.00012
%RSD	65.092	.17565	.31670	15.675	9.1125	1.6537	1.5550
#1	-7.0593	165.46	-7963.1	.00768	.01033	1.9815	.00764
#2	-4.0324	165.21	-7949.6	.00782	.00861	1.9979	.00766
#3	-1.5732	164.88	-7914.4	.00583	.00968	2.0454	.00744
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20067**	**.26004**	**.01019**	**.42522**	**.60350**	**.06435**
Stddev	.00273	.00111	.00075	.00104	.00005	.00012
%RSD	1.3602	.42863	7.3215	.24453	.00911	.19313
#1	.20358	.25876	.00934	.42403	.60344	.06421
#2	.20027	.26084	.01069	.42568	.60354	.06446
#3	.19817	.26051	.01056	.42596	.60353	.06437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63437.**	**70586.**
Stddev	120.	309.
%RSD	.18870	.43809
#1	63325.	70579.
#2	63422.	70899.
#3	63563.	70281.

Approved: April 05, 2011

Sample Name: L1104006904 Acquired: 4/4/2011 17:17:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**86.937**	**.13268**	**.10528**	**.57598**	**.00948**	**20.293**
Stddev	.00034	.598	.00145	.00391	.00093	.00004	.125
%RSD	8.2004	.68757	1.0942	3.7151	.16217	.37697	.61586
#1	.00457	86.754	.13389	.10088	.57499	.00949	20.246
#2	.00389	87.605	.13309	.10661	.57685	.00951	20.435
#3	.00415	86.453	.13107	.10835	.57609	.00944	20.199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**.09979**	**.32849**	**.09510**	**275.83**	**3.9005**	**.03776**
Stddev	.00007	.00067	.00120	.00093	4.61	.0268	.00099
%RSD	1.5207	.67619	.36663	.97519	1.6722	.68833	2.6173
#1	.00441	.09966	.32789	.09559	270.73	3.8873	.03703
#2	.00435	.10052	.32987	.09569	277.07	3.9314	.03736
#3	.00448	.09919	.32770	.09403	279.70	3.8828	.03889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5532**	**5.6608**	**.01431**	**6.8329**	**.06762**	**1.9620**	**.28858**
Stddev	.0157	.0221	.00028	.0470	.00029	.0095	.00137
%RSD	.18398	.38979	1.9672	.68802	.42260	.48655	.47360
#1	8.5469	5.6414	.01463	6.8082	.06757	1.9638	.28704
#2	8.5712	5.6848	.01420	6.8871	.06792	1.9706	.28906
#3	8.5416	5.6563	.01410	6.8035	.06736	1.9517	.28964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006904 Acquired: 4/4/2011 17:17:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.4054**	F **90.183**	F **-4150.7**	**.00711**	**.00885**	**1.9353**	**.00715**
Stddev	5.7139	.181	25.1	.00121	.00346	.0104	.00010
%RSD	105.71	.20022	.60350	17.054	39.118	.53731	1.3928
#1	-10.259	90.383	-4151.9	.00732	.01251	1.9251	.00705
#2	.8920	90.134	-4175.1	.00581	.00562	1.9351	.00716
#3	-6.8493	90.032	-4125.1	.00821	.00844	1.9459	.00725
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15341**	**.27491**	**.01336**	**.54352**	**.28340**	**.08914**
Stddev	.00102	.00009	.00160	.00212	.00076	.00054
%RSD	.66762	.03437	11.963	.39057	.26718	.60483
#1	.15324	.27485	.01283	.54365	.28427	.08854
#2	.15452	.27486	.01209	.54557	.28305	.08958
#3	.15249	.27502	.01515	.54134	.28289	.08930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63978.**	**70987.**
Stddev	243.	502.
%RSD	.38020	.70664
#1	63771.	70594.
#2	63917.	70814.
#3	64246.	71552.

Approved: April 05, 2011

Sample Name: L1104006905 Acquired: 4/4/2011 17:20:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00606**	**80.321**	**.13102**	**.09225**	**1.3781**	**.00837**	**75.020**
Stddev	.00022	.176	.00199	.00129	.0031	.00003	.060
%RSD	3.6208	.21918	1.5207	1.4015	.22689	.36478	.08028
#1	.00612	80.501	.13270	.09210	1.3748	.00838	75.050
#2	.00582	80.313	.12882	.09104	1.3811	.00834	75.060
#3	.00625	80.149	.13155	.09362	1.3783	.00839	74.951
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.19059**	**.19907**	**.14176**	**217.84**	**7.1015**	**.04059**
Stddev	.00011	.00037	.00122	.00081	2.60	.0214	.00061
%RSD	1.5707	.19590	.61520	.56841	1.1948	.30146	1.5119
#1	.00681	.19096	.19983	.14235	217.09	7.1232	.04117
#2	.00689	.19021	.19766	.14084	215.69	7.1009	.03995
#3	.00703	.19061	.19973	.14209	220.73	7.0804	.04065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.662**	**14.267**	**.01312**	**.88236**	**.07979**	**5.4572**	**.46219**
Stddev	.042	.051	.00002	.00905	.00037	.0145	.00230
%RSD	.32851	.35456	.11964	1.0255	.46976	.26535	.49831
#1	12.614	14.209	.01312	.89070	.07992	5.4731	.46295
#2	12.684	14.288	.01314	.87274	.07937	5.4536	.45961
#3	12.688	14.304	.01310	.88363	.08009	5.4448	.46402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006905 Acquired: 4/4/2011 17:20:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.0248**	F **310.53**	F **-14017.**	**.00649**	**.01430**	**2.1025**	**.00862**
Stddev	3.0437	1.35	88.	.00066	.00046	.0129	.00014
%RSD	50.519	.43579	.62643	10.158	3.2125	.61094	1.6632
#1	-9.5029	312.09	-14112.	.00674	.01475	2.1022	.00867
#2	-3.8483	309.63	-13939.	.00575	.01383	2.0898	.00846
#3	-4.7234	309.87	-14000.	.00699	.01432	2.1155	.00874
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38203**	**.31271**	**.01293**	**.43178**	**.81921**	**.06838**
Stddev	.00070	.00087	.00064	.00183	.00090	.00015
%RSD	.18417	.27965	4.9605	.42382	.10979	.22566
#1	.38280	.31171	.01363	.43031	.82008	.06820
#2	.38142	.31308	.01238	.43120	.81927	.06844
#3	.38189	.31333	.01278	.43383	.81828	.06849
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63012.**	**70283.**
Stddev	172.	164.
%RSD	.27335	.23336
#1	62901.	70471.
#2	63210.	70171.
#3	62925.	70207.

Approved: April 05, 2011

Sample Name: L1104006906 Acquired: 4/4/2011 17:24:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**64.563**	**.13408**	**.08952**	**.80623**	**.00782**	**31.686**
Stddev	.00041	.504	.00153	.00143	.00356	.00001	.230
%RSD	8.9433	.78016	1.1396	1.5971	.44101	.15137	.72590
#1	.00428	64.038	.13410	.08829	.80234	.00782	31.431
#2	.00500	65.043	.13559	.08917	.80931	.00782	31.877
#3	.00432	64.607	.13254	.09109	.80705	.00780	31.750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00590**	**.07665**	**.22771**	**.11889**	**225.22**	**3.7485**	**.02617**
Stddev	.00011	.00033	.00186	.00061	2.95	.0420	.00098
%RSD	1.8405	.43548	.81541	.51260	1.3102	1.1193	3.7328
#1	.00577	.07703	.22826	.11929	221.92	3.7167	.02723
#2	.00596	.07640	.22565	.11919	226.13	3.7960	.02530
#3	.00597	.07653	.22924	.11818	227.61	3.7327	.02599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.1907**	**5.8044**	**.01168**	**.72878**	**.05926**	**3.0221**	**.38068**
Stddev	.0624	.0326	.00029	.00729	.00048	.0104	.00097
%RSD	.86751	.56167	2.4751	.99979	.80576	.34485	.25599
#1	7.1192	5.7675	.01201	.72578	.05963	3.0156	.37976
#2	7.2339	5.8291	.01151	.73709	.05942	3.0341	.38170
#3	7.2190	5.8167	.01151	.72347	.05872	3.0166	.38058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006906 Acquired: 4/4/2011 17:24:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.1256**	F **131.94**	F **-6016.8**	**.00614**	**.00825**	**1.6150**	**.00715**
Stddev	6.7828	.35	28.0	.00153	.00134	.0051	.00021
%RSD	164.41	.26780	.46489	24.883	16.204	.31655	2.8806
#1	-11.872	131.56	-6007.6	.00652	.00841	1.6209	.00737
#2	-1.2556	132.26	-6048.2	.00446	.00684	1.6119	.00710
#3	.7504	131.99	-5994.6	.00744	.00950	1.6121	.00697
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19206**	**.23294**	**.01136**	**.45463**	**.51112**	**.06537**
Stddev	.00119	.00206	.00022	.00170	.00046	.00060
%RSD	.61738	.88366	1.9697	.37372	.08976	.91543
#1	.19087	.23071	.01136	.45447	.51070	.06571
#2	.19324	.23336	.01114	.45302	.51104	.06468
#3	.19208	.23476	.01159	.45641	.51161	.06573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63724.**	**70438.**
Stddev	61.	259.
%RSD	.09590	.36832
#1	63669.	70715.
#2	63712.	70200.
#3	63790.	70399.

Approved: April 05, 2011

Sample Name: L1104006907 Acquired: 4/4/2011 17:27:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**93.476**	**.15635**	**.09868**	**1.7838**	**.01120**	**43.447**
Stddev	.00058	.934	.00037	.00542	.0069	.00004	.306
%RSD	10.987	.99929	.23522	5.4880	.38652	.33156	.70529
#1	.00461	92.427	.15601	.09282	1.7762	.01123	43.099
#2	.00572	94.219	.15630	.10350	1.7897	.01120	43.678
#3	.00544	93.780	.15674	.09972	1.7855	.01116	43.563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**.13824**	**.25958**	**.16239**	**247.64**	**6.8660**	**.04324**
Stddev	.00015	.00017	.00148	.00036	7.65	.0371	.00050
%RSD	1.7961	.12571	.56887	.21866	3.0910	.54060	1.1517
#1	.00846	.13819	.26104	.16278	239.16	6.8362	.04308
#2	.00855	.13843	.25961	.16209	254.03	6.8542	.04285
#3	.00876	.13810	.25809	.16230	249.72	6.9076	.04380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.356**	**10.325**	**.01476**	**1.3591**	**.08748**	**4.8318**	**.51243**
Stddev	.141	.068	.00028	.0085	.00046	.0061	.00017
%RSD	.98293	.66271	1.8693	.62867	.52609	.12582	.03222
#1	14.193	10.248	.01461	1.3513	.08800	4.8372	.51257
#2	14.436	10.378	.01507	1.3682	.08714	4.8252	.51248
#3	14.439	10.350	.01458	1.3576	.08729	4.8331	.51225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006907 Acquired: 4/4/2011 17:27:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.026**	F **239.20**	F **-11621.**	**.00869**	**.01261**	**2.0768**	**.00940**
Stddev	8.001	.27	28.	.00100	.00057	.0081	.00019
%RSD	61.420	.11287	.24306	11.468	4.5106	.38973	2.0457
#1	-20.731	239.05	-11594.	.00982	.01214	2.0736	.00922
#2	-4.7597	239.51	-11650.	.00829	.01324	2.0861	.00961
#3	-13.587	239.04	-11618.	.00795	.01244	2.0709	.00937
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29987**	**.28568**	**.01266**	**.51308**	**.88505**	**.09926**
Stddev	.00194	.00161	.00067	.00100	.00047	.00094
%RSD	.64658	.56334	5.3172	.19435	.05270	.95138
#1	.29772	.28434	.01311	.51416	.88452	.09917
#2	.30148	.28747	.01188	.51289	.88521	.10024
#3	.30041	.28525	.01298	.51219	.88541	.09836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63289.**	**71719.**
Stddev	93.	434.
%RSD	.14645	.60545
#1	63187.	72117.
#2	63366.	71256.
#3	63315.	71782.

Approved: April 05, 2011

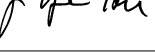
Sample Name: L1104006908 Acquired: 4/4/2011 17:31:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00186**	**148.83**	**.12603**	**.10577**	**1.3175**	**.01336**	**29.018**
Stddev	.00010	1.33	.00230	.00293	.0092	.00010	.235
%RSD	5.4993	.89611	1.8282	2.7655	.69903	.74911	.80954
#1	.00184	147.29	.12558	.10269	1.3069	.01325	28.748
#2	.00196	149.46	.12852	.10613	1.3235	.01343	29.126
#3	.00176	149.73	.12398	.10850	1.3220	.01340	29.179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.09117**	**.20597**	**.18085**	**280.26**	**5.6382**	**.04386**
Stddev	.00002	.00018	.00125	.00067	5.30	.0551	.00106
%RSD	.44906	.20034	.60748	.37082	1.8925	.97696	2.4058
#1	.00409	.09098	.20515	.18150	274.14	5.5783	.04267
#2	.00406	.09135	.20536	.18091	283.04	5.6494	.04424
#3	.00405	.09118	.20741	.18016	283.59	5.6868	.04468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.553**	**3.5866**	**.01165**	**29.833**	**.08817**	**1.3369**	**.26042**
Stddev	.439	.0280	.00018	.206	.00028	.0025	.00080
%RSD	1.2357	.77973	1.5195	.69013	.31725	.18461	.30881
#1	35.063	3.5547	.01151	29.595	.08808	1.3396	.25968
#2	35.683	3.5987	.01158	29.943	.08794	1.3362	.26030
#3	35.912	3.6065	.01185	29.960	.08848	1.3348	.26127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1104006908 Acquired: 4/4/2011 17:31:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.5574**	F **183.54**	F **-9230.5**	**.00749**	**.01704**	**1.8288**	**.01052**
Stddev	3.9879	.64	19.1	.00068	.00215	.0292	.00027
%RSD	52.768	.34919	.20739	9.0204	12.601	1.5946	2.5603
#1	-11.577	182.85	-9208.5	.00672	.01947	1.8083	.01028
#2	-7.4927	184.12	-9239.5	.00796	.01621	1.8158	.01081
#3	-3.6023	183.64	-9243.4	.00780	.01543	1.8622	.01047
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42740**	**.13694**	**.00831**	**.45544**	**.30808**	**.10500**
Stddev	.00275	.00199	.00087	.00279	.00010	.00104
%RSD	.64360	1.4543	10.523	.61219	.03385	.99333
#1	.42426	.13534	.00733	.45236	.30796	.10388
#2	.42938	.13632	.00902	.45619	.30813	.10519
#3	.42856	.13917	.00857	.45779	.30814	.10594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63098.**	**71511.**
Stddev	76.	752.
%RSD	.12099	1.0509
#1	63185.	72281.
#2	63065.	71473.
#3	63043.	70779.

Approved: April 05, 2011

Sample Name: L1104006909 Acquired: 4/4/2011 17:34:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**53.501**	**.08347**	**.06902**	**.96395**	**.00560**	**793.53**
Stddev	.00067	.118	.00071	.00061	.00227	.00003	7.22
%RSD	28.376	.22068	.85281	.88867	.23587	.56700	.90951
#1	.00214	53.381	.08420	.06948	.96143	.00560	797.94
#2	.00183	53.617	.08343	.06832	.96458	.00564	785.20
#3	.00312	53.506	.08277	.06925	.96584	.00557	797.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**.05491**	**.12740**	**.14109**	**129.75**	**9.1290**	**.07799**
Stddev	.00008	.00014	.00073	.00044	.36	.0366	.00064
%RSD	1.3728	.25293	.56988	.30860	.27721	.40087	.81777
#1	.00571	.05502	.12742	.14063	129.36	9.0885	.07836
#2	.00580	.05495	.12813	.14114	129.83	9.1596	.07835
#3	.00565	.05475	.12667	.14150	130.06	9.1389	.07725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.984**	**3.9371**	**.01116**	**.77915**	**.09281**	**8.2883**	**.30672**
Stddev	.135	.0037	.00020	.00287	.00035	.0122	.00063
%RSD	.32861	.09342	1.8343	.36830	.37916	.14766	.20632
#1	40.861	3.9342	.01134	.77643	.09318	8.2875	.30731
#2	40.963	3.9413	.01094	.78215	.09276	8.2765	.30605
#3	41.128	3.9358	.01121	.77889	.09249	8.3009	.30679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006909 Acquired: 4/4/2011 17:34:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.4743**	F **1284.7**	F **-25441.**	**.00805**	**.00973**	**2.6003**	**.00708**
Stddev	1.5258	1.9	46.	.00141	.00187	.0322	.00038
%RSD	18.006	.15131	.17989	17.486	19.261	1.2374	5.4272
#1	-7.1537	1283.9	-25413.	.00956	.00990	2.5715	.00698
#2	-8.1246	1283.2	-25416.	.00677	.01152	2.6350	.00677
#3	-10.145	1286.9	-25494.	.00783	.00778	2.5945	.00751
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0256**	**.25288**	**.00262**	**.24544**	**.82257**	**.05834**
Stddev	.0449	.00158	.00110	.00030	.00088	.00007
%RSD	1.4832	.62489	42.057	.12374	.10668	.12401
#1	3.0046	.25244	.00138	.24538	.82165	.05842
#2	3.0772	.25157	.00350	.24517	.82265	.05828
#3	2.9951	.25463	.00298	.24577	.82340	.05833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**57542.**	**69655.**
Stddev	23.	193.
%RSD	.03942	.27698
#1	57520.	69520.
#2	57565.	69876.
#3	57540.	69570.

Approved: April 05, 2011

Sample Name: L1104006910 Acquired: 4/4/2011 17:38:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**75.733**	**.11973**	**.08090**	**1.3957**	**.00816**	**119.82**
Stddev	.00021	.220	.00077	.00098	.0107	.00001	.47
%RSD	3.8245	.29007	.64650	1.2123	.76314	.13939	.38961
#1	.00536	75.938	.12062	.08152	1.4052	.00817	120.28
#2	.00566	75.760	.11919	.08140	1.3979	.00816	119.83
#3	.00526	75.501	.11938	.07977	1.3842	.00815	119.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00714**	**.28655**	**.19933**	**.12544**	**200.53**	**5.2738**	**.04257**
Stddev	.00004	.00040	.00077	.00079	.72	.0271	.00171
%RSD	.53906	.13831	.38719	.63213	.35950	.51356	4.0101
#1	.00714	.28699	.19996	.12453	201.35	5.2939	.04454
#2	.00717	.28622	.19846	.12579	200.26	5.2843	.04155
#3	.00710	.28643	.19956	.12599	199.98	5.2430	.04163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.281**	**14.569**	**.01114**	**.68459**	**.08690**	**3.8075**	**.53023**
Stddev	.052	.024	.00012	.00178	.00062	.0151	.00287
%RSD	.42638	.16418	1.0463	.25949	.70850	.39733	.54146
#1	12.293	14.570	.01113	.68410	.08619	3.7986	.52706
#2	12.224	14.544	.01103	.68311	.08719	3.7989	.53266
#3	12.326	14.592	.01126	.68656	.08731	3.8249	.53096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104006910 Acquired: 4/4/2011 17:38:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.0054**	F **258.08**	F **-8082.0**	**.00904**	**.01235**	**2.2919**	**.00868**
Stddev	4.1661	.13	19.3	.00104	.00236	.0077	.00006
%RSD	59.470	.05163	.23827	11.538	19.111	.33677	.65346
#1	-10.572	258.23	-8103.9	.00830	.01313	2.2992	.00871
#2	-8.0175	257.98	-8067.6	.00859	.00970	2.2928	.00862
#3	-2.4264	258.04	-8074.5	.01023	.01423	2.2838	.00872
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.67995**	**.28828**	**.01401**	**.40581**	**.83390**	**.07187**
Stddev	.00272	.00170	.00162	.00053	.00050	.00019
%RSD	.40068	.59024	11.574	.12950	.06052	.25836
#1	.68240	.28875	.01239	.40547	.83427	.07205
#2	.68042	.28970	.01563	.40555	.83332	.07168
#3	.67702	.28639	.01401	.40642	.83411	.07189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61597.**	**70391.**
Stddev	111.	357.
%RSD	.18099	.50771
#1	61485.	70439.
#2	61597.	70721.
#3	61708.	70011.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 17:41:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41740**	**9.7733**	**.40503**	**.50982**	**.97902**	**.05100**	**9.7128**
Stddev	.00050	.0404	.00140	.00152	.00091	.00007	.0243
%RSD	.11896	.41368	.34650	.29909	.09299	.13238	.25058
#1	.41722	9.7741	.40350	.51023	.97991	.05096	9.7201
#2	.41701	9.7324	.40532	.50814	.97809	.05097	9.6856
#3	.41796	9.8133	.40626	.51111	.97905	.05108	9.7327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05169**	**.20725**	**.51248**	**.51397**	**3.9565**	**49.505**	**.99726**
Stddev	.00007	.00042	.00177	.00082	.0182	.105	.00320
%RSD	.13656	.20282	.34595	.15859	.46099	.21217	.32116
#1	.05167	.20688	.51242	.51339	3.9774	49.578	.99553
#2	.05163	.20716	.51074	.51363	3.9438	49.384	.99529
#3	.05177	.20770	.51429	.51490	3.9484	49.551	1.0010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.145**	**.50276**	**1.0056**	**49.735**	**.51319**	**9.9733**	**.51861**
Stddev	.022	.00104	.0008	.186	.00091	.0163	.00275
%RSD	.21309	.20669	.07815	.37472	.17773	.16317	.53001
#1	10.161	.50395	1.0047	49.752	.51308	9.9618	.51973
#2	10.121	.50205	1.0063	49.540	.51233	9.9662	.51548
#3	10.154	.50227	1.0058	49.912	.51415	9.9919	.52063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 17:41:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.189**	**10.447**	F **13.670**	**1.2335**	**.40996**	**5.0718**	**1.0217**
Stddev	5.301	.025	1.264	.0016	.00232	.0075	.0021
%RSD	32.747	.24191	9.2484	.13205	.56589	.14702	.20122
#1	17.234	10.424	14.296	1.2332	.40728	5.0719	1.0194
#2	20.890	10.443	14.500	1.2321	.41136	5.0643	1.0224
#3	10.443	10.474	12.215	1.2353	.41123	5.0792	1.0233
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97964**	**.99151**	**.52395**	**1.0265**	**1.0194**	**1.0111**
Stddev	.00280	.00125	.00083	.0025	.0020	.0049
%RSD	.28554	.12586	.15773	.24240	.19476	.48723
#1	.97993	.99285	.52375	1.0271	1.0172	1.0145
#2	.97671	.99038	.52324	1.0237	1.0198	1.0054
#3	.98228	.99130	.52486	1.0286	1.0211	1.0133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63792.**	**68986.**
Stddev	237.	502.
%RSD	.37082	.72705
#1	64041.	68433.
#2	63764.	69411.
#3	63571.	69116.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:45:08 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00675**	**-.00027**	**.00138**	**.00025**	**.00001**	**-.01937**
Stddev	.00068	.00561	.00023	.00052	.00009	.00002	.00509
%RSD	84.684	83.073	85.741	37.841	34.778	123.66	26.260
#1	-.00002	-.00907	-.00053	.00178	.00023	.00001	-.01566
#2	-.00117	-.01083	-.00015	.00079	.00018	.00003	-.01727
#3	-.00124	-.00036	-.00012	.00158	.00034	.00000	-.02517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00000**	**.00015**	**-.00025**	**.00072**	**.13248**	**-.00036**
Stddev	.00009	.00005	.00016	.00023	.00032	.04270	.00087
%RSD	123.68	1759.6	108.25	90.673	44.149	32.229	244.02
#1	-.00003	-.00001	.00001	.00000	.00100	.17662	.00029
#2	.00015	.00006	.00011	-.00032	.00038	.12943	-.00134
#3	.00010	-.00004	.00033	-.00044	.00079	.09139	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00010**	**.00015**	**.00567**	**-.00012**	**.00155**	**-.00081**
Stddev	.00708	.00007	.00012	.00618	.00021	.00211	.00062
%RSD	767.91	75.113	80.044	109.00	171.73	135.87	76.848
#1	-.00231	.00015	.00028	.01221	-.00010	.00377	-.00122
#2	-.00721	.00012	.00013	.00484	-.00034	-.00044	-.00009
#3	.00675	.00001	.00004	-.00006	.00008	.00133	-.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 17:45:08 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.514**	F **-.08716**	F **6.7252**	**.00024**	**-.00120**	**.00108**	**-.00076**
Stddev	3.691	.04061	3.1930	.00146	.00101	.00060	.00004
%RSD	22.353	46.598	47.478	618.03	83.659	55.626	4.7309
#1	20.301	-.11339	8.3897	.00189	-.00232	.00165	-.00075
#2	12.926	-.04037	3.0439	-.00030	-.00037	.00114	-.00080
#3	16.316	-.10771	8.7420	-.00089	-.00092	.00045	-.00073
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00112**	**-.00162**	**.00024**	**-.00038**	**.00013**
Stddev	.00006	.00081	.00124	.00007	.00007	.00003
%RSD	166.01	72.937	76.717	27.430	19.840	19.629
#1	-.00007	-.00018	-.00064	.00017	-.00039	.00014
#2	.00003	-.00156	-.00120	.00029	-.00030	.00010
#3	-.00007	-.00161	-.00301	.00028	-.00044	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65629.**	**68567.**
Stddev	281.	475.
%RSD	.42816	.69255
#1	65351.	68862.
#2	65623.	68819.
#3	65912.	68019.

Approved: April 05, 2011

Sample Name: L1104003410 Acquired: 4/4/2011 17:48:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**342.03**	**.07296**	**.18245**	**1.3800**	**.00870**	**15.556**
Stddev	.00045	1.03	.00078	.00486	.0027	.00003	.034
%RSD	10.823	.30107	1.0644	2.6664	.19621	.36933	.21997
#1	.00363	342.36	.07248	.18411	1.3812	.00867	15.584
#2	.00446	340.87	.07255	.17697	1.3769	.00874	15.517
#3	.00433	342.85	.07386	.18627	1.3820	.00871	15.566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.08195**	**.43870**	**.31294**	**488.85**	**14.938**	**.23544**
Stddev	.00003	.00018	.00282	.00166	6.33	.028	.00090
%RSD	1.0914	.22336	.64281	.52996	1.2946	.18596	.38350
#1	.00290	.08190	.43546	.31178	493.08	14.961	.23631
#2	.00289	.08215	.43998	.31484	481.57	14.907	.23551
#3	.00284	.08180	.44064	.31220	491.90	14.945	.23451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.607**	**4.4260**	**.01389**	**.54764**	**.11802**	**4.6785**	**.28170**
Stddev	.065	.0085	.00025	.00793	.00065	.0169	.00049
%RSD	.47701	.19185	1.8141	1.4471	.54709	.36052	.17513
#1	13.532	4.4186	.01376	.54131	.11876	4.6761	.28224
#2	13.637	4.4241	.01418	.55653	.11755	4.6964	.28162
#3	13.651	4.4352	.01372	.54509	.11775	4.6629	.28126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003410 Acquired: 4/4/2011 17:48:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-18.606**	F **157.92**	F **-8497.0**	**.00432**	**.00861**	**2.7402**	**.01670**
Stddev	3.757	.28	23.9	.00201	.00124	.0061	.00016
%RSD	20.191	.17875	.28148	46.529	14.402	.22254	.93212
#1	-22.032	157.88	-8495.0	.00310	.00953	2.7437	.01674
#2	-19.198	158.22	-8521.8	.00664	.00909	2.7332	.01653
#3	-14.589	157.67	-8474.1	.00322	.00720	2.7438	.01684
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11477**	**.63552**	**.01298**	**.63704**	**.43118**	**.15719**
Stddev	.00047	.00184	.00231	.00252	.00066	.00073
%RSD	.41290	.28910	17.812	.39628	.15287	.46481
#1	.11531	.63760	.01151	.63535	.43062	.15639
#2	.11443	.63410	.01565	.63994	.43100	.15736
#3	.11458	.63488	.01179	.63583	.43191	.15782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61047.**	**70829.**
Stddev	78.	311.
%RSD	.12821	.43892
#1	60995.	70805.
#2	61009.	70531.
#3	61137.	71152.

Approved: April 05, 2011

Sample Name: L1104003411 Acquired: 4/4/2011 17:52:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**356.15**	**.06754**	**.23252**	**1.3056**	**.01032**	**8.6240**
Stddev	.00028	.41	.00246	.00533	.0039	.00004	.0179
%RSD	27.519	.11428	3.6457	2.2929	.29817	.38833	.20777
#1	.00094	355.80	.07034	.22845	1.3067	.01030	8.6381
#2	.00080	356.06	.06571	.23055	1.3088	.01030	8.6038
#3	.00135	356.60	.06657	.23855	1.3013	.01037	8.6300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.10349**	**.50940**	**.40747**	**642.45**	**12.852**	**.22981**
Stddev	.00009	.00021	.00322	.00083	6.75	.026	.00068
%RSD	3.0167	.20652	.63134	.20479	1.0508	.20594	.29437
#1	.00277	.10374	.50693	.40804	639.16	12.827	.22912
#2	.00282	.10338	.50824	.40785	637.98	12.851	.22983
#3	.00293	.10335	.51304	.40651	650.22	12.880	.23047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.453**	**3.1164**	**.01437**	**.57681**	**.13877**	**6.3725**	**.24911**
Stddev	.054	.0078	.00019	.00239	.00046	.0205	.00152
%RSD	.51435	.24920	1.3270	.41399	.32808	.32111	.60924
#1	10.393	3.1102	.01459	.57412	.13896	6.3920	.24972
#2	10.498	3.1139	.01425	.57763	.13826	6.3743	.24738
#3	10.468	3.1251	.01427	.57868	.13911	6.3512	.25022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003411 Acquired: 4/4/2011 17:52:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.614**	F **110.00**	F **-6065.2**	**.00257**	**.00773**	**2.1771**	**.01522**
Stddev	1.995	.50	19.0	.00145	.00205	.0031	.00063
%RSD	10.171	.45335	.31404	56.518	26.516	.14254	4.1133
#1	-19.761	110.58	-6084.5	.00090	.00965	2.1765	.01478
#2	-17.549	109.78	-6046.4	.00324	.00798	2.1805	.01594
#3	-21.531	109.66	-6064.8	.00357	.00557	2.1744	.01495
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07266**	**.51838**	**.00964**	**.65559**	**.43566**	**.17400**
Stddev	.00003	.00148	.00065	.00102	.00069	.00098
%RSD	.03749	.28641	6.7274	.15487	.15729	.56485
#1	.07269	.51951	.01039	.65656	.43598	.17302
#2	.07265	.51670	.00927	.65568	.43613	.17400
#3	.07264	.51893	.00926	.65453	.43488	.17499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61571.**	**70689.**
Stddev	124.	275.
%RSD	.20188	.38878
#1	61443.	70776.
#2	61579.	70910.
#3	61691.	70381.

Approved: April 05, 2011

Sample Name: L1104003412 Acquired: 4/4/2011 17:55:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00136**	**342.42**	**.06741**	**.16548**	**1.4196**	**.00797**	**37.569**
Stddev	.00021	1.98	.00252	.00210	.0040	.00006	.132
%RSD	15.442	.57738	3.7308	1.2690	.28433	.70920	.35046
#1	.00117	340.16	.06491	.16369	1.4156	.00795	37.417
#2	.00132	343.81	.06994	.16780	1.4196	.00794	37.646
#3	.00158	343.30	.06738	.16496	1.4237	.00804	37.645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00291**	**.06036**	**.34441**	**.29373**	**427.00**	**16.700**	**.25665**
Stddev	.00003	.00016	.00081	.00184	2.59	.073	.00106
%RSD	1.1063	.27333	.23527	.62773	.60656	.43601	.41364
#1	.00288	.06039	.34388	.29168	424.33	16.621	.25610
#2	.00293	.06018	.34400	.29427	429.50	16.714	.25788
#3	.00294	.06051	.34534	.29525	427.17	16.765	.25598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.624**	**1.9139**	**.01260**	**.48330**	**.10319**	**4.6780**	**.23777**
Stddev	.112	.0070	.00029	.00339	.00101	.0056	.00173
%RSD	.45576	.36359	2.3179	.70209	.97758	.12076	.72588
#1	24.495	1.9059	.01233	.48650	.10331	4.6724	.23701
#2	24.679	1.9185	.01256	.48364	.10212	4.6779	.23656
#3	24.699	1.9173	.01291	.47974	.10413	4.6837	.23975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1104003412 Acquired: 4/4/2011 17:55:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.9563**	F **140.58**	F **-6260.1**	**.00228**	**.00619**	**1.9920**	**.01495**
Stddev	1.4927	.95	42.6	.00194	.00129	.0161	.00024
%RSD	16.667	.67665	.68103	85.030	20.818	.80615	1.6022
#1	-7.8756	139.49	-6211.0	.00447	.00701	1.9793	.01476
#2	-10.660	141.00	-6282.0	.00076	.00687	2.0100	.01488
#3	-8.3338	141.24	-6287.3	.00162	.00471	1.9866	.01522
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09626**	**.46924**	**.00927**	**.54737**	**.39884**	**.13926**
Stddev	.00032	.00144	.00104	.00159	.00099	.00054
%RSD	.32785	.30737	11.176	.29070	.24790	.38566
#1	.09603	.46766	.00863	.54854	.39996	.13866
#2	.09662	.46957	.01047	.54556	.39810	.13943
#3	.09612	.47049	.00872	.54802	.39846	.13969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61841.**	**69085.**
Stddev	93.	340.
%RSD	.15092	.49221
#1	61775.	69418.
#2	61948.	68738.
#3	61800.	69098.

Approved: April 05, 2011

Sample Name: L1103104307 Acquired: 4/4/2011 17:59:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**15.866**	**.06321**	**.03695**	**1.9652**	**.00664**	**35.027**
Stddev	.00039	.067	.00056	.00070	.0049	.00003	.121
%RSD	4.9166	.42410	.89134	1.8915	.24954	.45754	.34568
#1	.00754	15.813	.06377	.03776	1.9595	.00660	34.917
#2	.00831	15.942	.06320	.03650	1.9684	.00666	35.157
#3	.00806	15.843	.06265	.03659	1.9676	.00664	35.009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01786**	**.10552**	**.09858**	**2.9889**	**69.783**	**12.070**	**.00356**
Stddev	.00005	.00026	.00061	.0028	.215	.038	.00033
%RSD	.27813	.24360	.61970	.09285	.30816	.31292	9.2579
#1	.01790	.10526	.09834	2.9868	69.537	12.029	.00389
#2	.01787	.10554	.09813	2.9880	69.878	12.078	.00357
#3	.01780	.10577	.09927	2.9921	69.934	12.103	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.8701**	**5.3665**	**.00881**	**.23248**	**.02636**	**9.9308**	**7.2141**
Stddev	.0165	.0146	.00015	.00416	.00072	.0087	.0080
%RSD	.57546	.27240	1.7387	1.7908	2.7390	.08753	.11074
#1	2.8512	5.3496	.00898	.23691	.02719	9.9370	7.2074
#2	2.8775	5.3747	.00875	.23190	.02601	9.9208	7.2120
#3	2.8816	5.3752	.00869	.22864	.02588	9.9345	7.2230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104307 Acquired: 4/4/2011 17:59:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.5473**	F **112.46**	F **-4559.9**	**.02125**	**.00668**	**1.6174**	**.09336**
Stddev	7.1760	.10	17.8	.00113	.00183	.0094	.00013
%RSD	109.60	.09175	.39040	5.2969	27.400	.57789	.14255
#1	-1.1197	112.57	-4579.2	.02203	.00502	1.6225	.09351
#2	-14.683	112.43	-4556.5	.01996	.00636	1.6066	.09333
#3	-3.8388	112.37	-4544.1	.02175	.00864	1.6231	.09325
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16817**	**.45118**	**.00121**	**.06049**	**4.3724**	**.00708**
Stddev	.00041	.00164	.00141	.00024	.0073	.00012
%RSD	.24483	.36444	116.35	.38853	.16713	1.7168
#1	.16800	.44951	.00274	.06024	4.3640	.00696
#2	.16864	.45123	.00096	.06070	4.3761	.00721
#3	.16787	.45280	-.00005	.06054	4.3772	.00708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64727.**	**71952.**
Stddev	113.	123.
%RSD	.17382	.17161
#1	64651.	71839.
#2	64674.	71933.
#3	64856.	72083.

Approved: April 05, 2011

Sample Name: L1103104309 Acquired: 4/4/2011 18:02:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00689**	**14.939**	**.06810**	**.02746**	**1.0139**	**.00717**	**24.882**
Stddev	.00054	.092	.00070	.00047	.0012	.00005	.131
%RSD	7.9084	.61812	1.0337	1.6974	.11581	.73243	.52840
#1	.00713	14.962	.06857	.02788	1.0145	.00713	24.908
#2	.00727	15.019	.06729	.02696	1.0147	.00715	24.999
#3	.00626	14.838	.06845	.02755	1.0126	.00723	24.740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10969**	**.04401**	**2.9500**	**56.301**	**7.5843**	**.00278**
Stddev	.00005	.00038	.00072	.0121	.182	.0188	.00078
%RSD	.48777	.34716	1.6392	.41174	.32379	.24816	27.840
#1	.01029	.10971	.04362	2.9430	56.417	7.5909	.00209
#2	.01039	.10929	.04356	2.9431	56.395	7.5631	.00264
#3	.01034	.11005	.04484	2.9641	56.091	7.5989	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3981**	**5.2058**	**.00879**	**.18283**	**.01293**	**5.0171**	**2.8065**
Stddev	.0108	.0103	.00022	.00437	.00034	.0093	.0054
%RSD	.45072	.19865	2.5580	2.3927	2.6325	.18606	.19255
#1	2.4057	5.2047	.00904	.18062	.01255	5.0125	2.8022
#2	2.4028	5.2167	.00874	.18001	.01320	5.0110	2.8047
#3	2.3857	5.1961	.00860	.18787	.01304	5.0278	2.8126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104309 Acquired: 4/4/2011 18:02:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.7001**	F **92.564**	F **-3917.3**	**.00826**	**.00915**	**1.4530**	**.04416**
Stddev	2.7394	1.004	18.3	.00120	.00214	.0067	.00015
%RSD	40.886	1.0851	.46648	14.580	23.412	.46260	.33039
#1	-5.5069	92.975	-3931.3	.00912	.00737	1.4453	.04400
#2	-9.8338	91.419	-3896.6	.00688	.01153	1.4564	.04419
#3	-4.7597	93.297	-3923.9	.00878	.00855	1.4574	.04429
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10754**	**.49221**	**.00098**	**.06071**	**1.6630**	**.00915**
Stddev	.00061	.00185	.00070	.00052	.0052	.00008
%RSD	.56364	.37658	71.751	.85439	.31118	.86428
#1	.10775	.49327	.00169	.06028	1.6584	.00913
#2	.10802	.49330	.00098	.06056	1.6621	.00909
#3	.10686	.49007	.00028	.06129	1.6686	.00924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64404.**	**72157.**
Stddev	198.	589.
%RSD	.30787	.81664
#1	64404.	71645.
#2	64603.	72023.
#3	64206.	72801.

Approved: April 05, 2011

Sample Name: L1103104310 Acquired: 4/4/2011 18:06:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00653**	**16.080**	**.03689**	**.02622**	**1.2616**	**.01099**	**61.058**
Stddev	.00023	.046	.00127	.00022	.0035	.00003	.063
%RSD	3.5825	.28706	3.4333	.84977	.27917	.27424	.10385
#1	.00638	16.030	.03576	.02648	1.2581	.01102	60.986
#2	.00680	16.121	.03666	.02610	1.2652	.01099	61.089
#3	.00640	16.089	.03826	.02608	1.2615	.01096	61.101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.16045**	**.03911**	**3.2569**	**46.053**	**6.8435**	**.00549**
Stddev	.00006	.00049	.00025	.0069	.148	.0282	.00107
%RSD	.60738	.30714	.62719	.21195	.32123	.41257	19.509
#1	.00965	.16100	.03937	3.2646	45.897	6.8248	.00427
#2	.00955	.16029	.03888	3.2545	46.191	6.8297	.00627
#3	.00965	.16006	.03908	3.2514	46.069	6.8760	.00592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.3849**	**5.8648**	**.00576**	**.29662**	**.01821**	**3.1895**	**1.6795**
Stddev	.0081	.0117	.00008	.00884	.00060	.0109	.0020
%RSD	.33915	.19915	1.4286	2.9816	3.3130	.34011	.12131
#1	2.3853	5.8528	.00579	.29379	.01806	3.1924	1.6799
#2	2.3928	5.8761	.00582	.30653	.01770	3.1987	1.6772
#3	2.3766	5.8654	.00567	.28954	.01888	3.1775	1.6812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104310 Acquired: 4/4/2011 18:06:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.3638**	F **104.10**	F **-2327.4**	**.00895**	**.00572**	**1.5976**	**.08368**
Stddev	1.1378	.28	8.9	.00067	.00150	.0091	.00036
%RSD	15.451	.26739	.38274	7.5054	26.227	.57086	.43277
#1	-6.1843	104.37	-2327.9	.00848	.00454	1.6015	.08407
#2	-8.4546	104.10	-2336.0	.00865	.00521	1.6041	.08335
#3	-7.4526	103.82	-2318.2	.00972	.00741	1.5872	.08361
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30416**	**.50342**	**.00188**	**.05817**	**.69080**	**.01114**
Stddev	.00048	.00065	.00145	.00020	.00355	.00004
%RSD	.15863	.12957	77.378	.34130	.51405	.39948
#1	.30362	.50296	.00101	.05829	.68897	.01110
#2	.30431	.50312	.00107	.05828	.68853	.01119
#3	.30455	.50416	.00355	.05794	.69489	.01114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**64596.**	**72454.**
Stddev	170.	371.
%RSD	.26241	.51232
#1	64459.	72399.
#2	64785.	72113.
#3	64542.	72849.

Approved: April 05, 2011

Sample Name: L1103104311 Acquired: 4/4/2011 18:09:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**13.382**	**.02802**	**.02554**	**1.1018**	**.00506**	**143.47**
Stddev	.00041	.070	.00067	.00050	.0044	.00001	.85
%RSD	11.842	.52097	2.3968	1.9514	.39602	.28171	.59181
#1	.00300	13.365	.02808	.02517	1.0987	.00506	143.03
#2	.00362	13.323	.02732	.02534	1.1000	.00504	142.94
#3	.00377	13.459	.02866	.02611	1.1068	.00507	144.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**.11066**	**.03189**	**.87435**	**50.125**	**8.0569**	**.01365**
Stddev	.00005	.00010	.00010	.00045	.284	.0337	.00057
%RSD	1.4001	.09332	.32717	.05153	.56743	.41824	4.1515
#1	.00377	.11077	.03178	.87437	49.885	8.0461	.01430
#2	.00379	.11057	.03192	.87480	50.052	8.0299	.01338
#3	.00369	.11066	.03198	.87390	50.439	8.0947	.01327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.6145**	**4.7736**	**.00458**	**1.6910**	**.02235**	**2.8103**	**.70227**
Stddev	.0257	.0059	.00030	.0058	.00029	.0014	.00131
%RSD	.33703	.12397	6.6142	.34155	1.3091	.04906	.18605
#1	7.5959	4.7692	.00440	1.6865	.02264	2.8097	.70113
#2	7.6038	4.7714	.00441	1.6890	.02236	2.8119	.70199
#3	7.6438	4.7804	.00493	1.6975	.02206	2.8093	.70369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104311 Acquired: 4/4/2011 18:09:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.2055**	F **174.18**	F **-1699.2**	**.00687**	**.00326**	**2.0488**	**.02117**
Stddev	5.8286	.34	6.0	.00115	.00148	.0177	.00018
%RSD	264.28	.19256	.35164	16.727	45.429	.86644	.85810
#1	4.5221	173.93	-1698.7	.00816	.00299	2.0572	.02135
#2	-5.7363	174.06	-1693.5	.00650	.00194	2.0284	.02099
#3	-5.4022	174.56	-1705.4	.00595	.00486	2.0608	.02115
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16039**	**.36690**	**.00015**	**.05257**	**.38316**	**.00785**
Stddev	.00029	.00088	.00123	.00029	.00020	.00012
%RSD	.18275	.23970	827.80	.54659	.05294	1.5058
#1	.16035	.36589	.00104	.05230	.38306	.00772
#2	.16011	.36730	-.00126	.05253	.38302	.00787
#3	.16069	.36750	.00067	.05287	.38339	.00796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62988.**	**69805.**
Stddev	76.	367.
%RSD	.12004	.52524
#1	63064.	69562.
#2	62913.	70227.
#3	62989.	69627.

Approved: April 05, 2011

Sample Name: L1103104401 Acquired: 4/4/2011 18:12:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01271**	**20.857**	**.06616**	**.07145**	**1.3439**	**.00753**	**141.47**
Stddev	.00027	.218	.00152	.00065	.0055	.00002	1.03
%RSD	2.1066	1.0462	2.2976	.90818	.40715	.32707	.73082
#1	.01280	20.956	.06545	.07120	1.3478	.00750	142.14
#2	.01241	21.008	.06513	.07218	1.3462	.00753	142.00
#3	.01292	20.607	.06791	.07096	1.3377	.00755	140.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01362**	**.08615**	**.07630**	**2.6090**	**75.533**	**16.171**	**.01228**
Stddev	.00007	.00034	.00075	.0047	.232	.071	.00096
%RSD	.50536	.38973	.98035	.18183	.30745	.43825	7.7906
#1	.01358	.08645	.07617	2.6143	75.606	16.210	.01331
#2	.01370	.08578	.07563	2.6072	75.720	16.214	.01210
#3	.01359	.08622	.07711	2.6054	75.273	16.089	.01143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3861**	**11.839**	**.02140**	**1.2601**	**.05010**	**8.8098**	**1.6236**
Stddev	.0117	.023	.00009	.0083	.00056	.0076	.0027
%RSD	.18391	.19636	.41247	.65474	1.1270	.08665	.16554
#1	6.3828	11.845	.02143	1.2693	.04946	8.8168	1.6224
#2	6.3992	11.858	.02130	1.2579	.05053	8.8111	1.6217
#3	6.3764	11.813	.02147	1.2532	.05031	8.8016	1.6267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103104401 Acquired: 4/4/2011 18:12:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.1220**	F **226.52**	F **-4917.6**	**.01081**	**.00834**	**2.6178**	**.04715**
Stddev	1.1609	.68	23.2	.00032	.00137	.0056	.00011
%RSD	54.709	.30056	.47247	2.9309	16.443	.21273	.23185
#1	-2.9853	227.21	-4943.9	.01088	.00706	2.6223	.04721
#2	-2.5784	225.84	-4909.0	.01109	.00818	2.6194	.04721
#3	-.80222	226.52	-4899.9	.01046	.00979	2.6116	.04702
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43743**	**.72840**	**.00826**	**.13410**	**1.4457**	**.01550**
Stddev	.00367	.00101	.00030	.00042	.0029	.00021
%RSD	.83795	.13902	3.5939	.31551	.19719	1.3376
#1	.43968	.72914	.00843	.13426	1.4467	.01528
#2	.43941	.72882	.00843	.13362	1.4425	.01551
#3	.43320	.72725	.00792	.13442	1.4480	.01570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63475.**	**70971.**
Stddev	180.	237.
%RSD	.28336	.33344
#1	63342.	70775.
#2	63680.	70905.
#3	63403.	71234.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:16:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41870**	**10.066**	**.41048**	**.51515**	**1.0000**	**.05145**	**9.9700**
Stddev	.00123	.070	.00039	.00330	.0018	.00021	.0437
%RSD	.29379	.69966	.09458	.63988	.18010	.40353	.43858
#1	.41748	10.056	.41033	.51263	.99851	.05133	9.9521
#2	.41867	10.141	.41019	.51393	1.0020	.05132	10.020
#3	.41994	10.001	.41092	.51888	.99956	.05169	9.9380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05249**	**.21032**	**.51785**	**.52064**	**4.0511**	**50.553**	**1.0118**
Stddev	.00014	.00015	.00338	.00081	.0022	.192	.0014
%RSD	.25862	.07317	.65251	.15495	.05334	.38014	.14360
#1	.05242	.21031	.51576	.52049	4.0534	50.461	1.0101
#2	.05264	.21017	.51603	.51992	4.0492	50.773	1.0125
#3	.05240	.21048	.52175	.52151	4.0505	50.423	1.0127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.329**	**.51105**	**1.0123**	**50.677**	**.51945**	**10.077**	**.52275**
Stddev	.022	.00060	.0014	.283	.00062	.002	.00118
%RSD	.21452	.11772	.13357	.55859	.11863	.02385	.22497
#1	10.316	.51066	1.0132	50.623	.51969	10.075	.52223
#2	10.354	.51175	1.0129	50.983	.51875	10.079	.52410
#3	10.316	.51075	1.0107	50.424	.51990	10.075	.52193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:16:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.233**	**10.560**	F **18.823**	**1.2458**	**.41593**	**5.1261**	**1.0335**
Stddev	5.774	.033	1.612	.0010	.00167	.0040	.0005
%RSD	31.667	.31039	8.5656	.07762	.40082	.07887	.04979
#1	11.669	10.524	18.938	1.2455	.41549	5.1233	1.0340
#2	20.503	10.587	20.375	1.2450	.41452	5.1242	1.0330
#3	22.526	10.571	17.156	1.2468	.41777	5.1307	1.0334
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0001**	**1.0082**	**.53092**	**1.0350**	**1.0289**	**1.0242**
Stddev	.0046	.0020	.00066	.0056	.0007	.0097
%RSD	.45452	.20025	.12479	.54283	.06439	.94340
#1	.99919	1.0062	.53164	1.0311	1.0295	1.0174
#2	1.0051	1.0102	.53079	1.0323	1.0282	1.0199
#3	.99615	1.0082	.53034	1.0414	1.0288	1.0353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63645.**	**68103.**
Stddev	63.	317.
%RSD	.09975	.46612
#1	63709.	68396.
#2	63644.	67766.
#3	63582.	68146.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 18:19:46 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00813**	**.00001**	**.00142**	**.00019**	**.00001**	**-.01249**
Stddev	.00023	.00434	.00103	.00038	.00008	.00003	.00364
%RSD	24.651	53.362	12790.	26.859	44.548	466.96	29.148
#1	-.00103	.00312	-.00101	.00180	.00027	.00000	-.01009
#2	-.00068	.01080	.00105	.00141	.00019	-.00002	-.01668
#3	-.00112	.01047	-.00002	.00104	.00011	.00004	-.01071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00006**	**.00008**	**-.00028**	**.00661**	**.12295**	**-.00051**
Stddev	.00003	.00009	.00037	.00009	.00056	.01722	.00200
%RSD	40.694	158.49	494.93	31.892	8.5250	14.006	395.23
#1	.00004	.00014	.00022	-.00027	.00617	.13637	-.00037
#2	.00009	-.00003	-.00035	-.00020	.00641	.12895	-.00257
#3	.00008	.00006	.00036	-.00038	.00724	.10353	.00142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00379**	**.00027**	**.00019**	**.00770**	**.00018**	**-.00013**	**-.00104**
Stddev	.01184	.00020	.00011	.01268	.00036	.00283	.00048
%RSD	312.29	74.017	61.561	164.66	199.65	2189.7	45.703
#1	-.00470	.00038	.00030	.00701	.00058	.00021	-.00055
#2	.00848	.00038	.00008	.02070	.00009	.00251	-.00150
#3	-.01515	.00004	.00018	-.00462	-.00012	-.00311	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 18:19:46 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.782**	**-.11596**	F **9.0536**	**.00031**	**-.00140**	**.00092**	**-.00072**
Stddev	1.369	.01959	2.8655	.00069	.00105	.00067	.00016
%RSD	8.1592	16.893	31.650	224.14	74.792	72.629	22.040
#1	18.173	-.12913	5.9408	.00107	-.00249	.00089	-.00054
#2	16.736	-.12529	9.6385	-.00029	-.00040	.00161	-.00084
#3	15.436	-.09344	11.582	.00015	-.00130	.00027	-.00077
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00084**	**-.00161**	**.00017**	**-.00022**	**.00007**
Stddev	.00001	.00055	.00054	.00017	.00007	.00010
%RSD	89.946	65.186	33.335	100.78	32.418	161.21
#1	.00001	-.00091	-.00192	.00006	-.00029	.00000
#2	.00001	-.00135	-.00099	.00036	-.00023	.00001
#3	.00003	-.00026	-.00191	.00008	-.00015	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65466.**	**69023.**
Stddev	145.	418.
%RSD	.22220	.60627
#1	65633.	69077.
#2	65397.	68580.
#3	65368.	69412.

Approved: April 05, 2011

Sample Name: PBS 42 Acquired: 4/4/2011 18:23:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00915**	**-.00135**	**.00101**	**.00090**	**.00002**	**.04951**
Stddev	.00023	.00548	.00104	.00070	.00019	.00001	.00593
%RSD	38.285	59.957	77.291	69.482	21.277	56.540	11.974
#1	-.00044	.01069	-.00244	.00125	.00109	.00003	.05122
#2	-.00050	.00306	-.00037	.00156	.00071	.00001	.04291
#3	-.00087	.01370	-.00123	.00022	.00089	.00003	.05439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00043**	**.00086**	**.00116**	**.01637**	**.13768**	**-.00169**
Stddev	.00003	.00014	.00029	.00012	.00360	.01205	.00058
%RSD	11.857	32.481	33.962	10.294	21.991	8.7542	34.445
#1	.00024	-.00028	.00113	.00130	.02010	.12880	-.00236
#2	.00019	-.00046	.00091	.00108	.01608	.13284	-.00143
#3	.00024	-.00055	.00055	.00112	.01292	.15140	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03281**	**.00042**	**.00030**	**.03350**	**.00072**	F **-.00535**	**.00008**
Stddev	.00638	.00038	.00007	.00358	.00017	.00223	.00088
%RSD	19.457	89.987	24.436	10.683	22.837	41.625	1068.8
#1	.03820	.00085	.00024	.03118	.00069	-.00708	-.00093
#2	.02576	.00016	.00038	.03169	.00090	-.00284	.00067
#3	.03446	.00025	.00027	.03762	.00057	-.00613	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 05, 2011

Sample Name: PBS 42 Acquired: 4/4/2011 18:23:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.1616**	**.24790**	F **-10.581**	**.00270**	**-.00009**	**.01236**	**-.00022**
Stddev	6.1832	.02207	2.239	.00026	.00129	.00278	.00014
%RSD	75.759	8.9044	21.161	9.4887	1463.8	22.500	64.717
#1	12.234	.25412	-12.757	.00290	-.00058	.01547	-.00036
#2	11.204	.22339	-10.704	.00241	.00138	.01152	-.00023
#3	1.0468	.26620	-8.2833	.00280	-.00107	.01010	-.00007
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.0000				
Low Limit			-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00017**	**-.00307**	**.00029**	**.00325**	**.00002**
Stddev	.00006	.00080	.00027	.00005	.00002	.00004
%RSD	26.636	469.83	8.7888	15.851	.57566	165.05
#1	.00031	.00074	-.00285	.00027	.00325	.00003
#2	.00022	-.00053	-.00299	.00034	.00324	.00006
#3	.00019	-.00072	-.00337	.00025	.00327	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63218.**	**67871.**
Stddev	49.	438.
%RSD	.07758	.64546
#1	63171.	67374.
#2	63269.	68037.
#3	63213.	68202.

Approved: April 05, 2011

Sample Name: LCSS 42 Acquired: 4/4/2011 18:27:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20195**	**4.8734**	**.19258**	**.91275**	**.48970**	**.02522**	**4.8527**
Stddev	.00099	.0298	.00225	.00375	.00199	.00016	.0224
%RSD	.48937	.61068	1.1693	.41126	.40646	.63524	.46234
#1	.20085	4.8447	.19042	.90860	.49103	.02504	4.8602
#2	.20275	4.9042	.19241	.91374	.49067	.02527	4.8705
#3	.20226	4.8713	.19492	.91591	.48741	.02535	4.8275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02508**	**.10585**	**.25930**	**.25741**	**1.9645**	**24.577**	**.49591**
Stddev	.00031	.00086	.00049	.00215	.0052	.085	.00137
%RSD	1.2180	.81611	.18726	.83563	.26608	.34758	.27716
#1	.02473	.10485	.25878	.25492	1.9660	24.538	.49733
#2	.02525	.10636	.25973	.25875	1.9688	24.675	.49459
#3	.02527	.10633	.25939	.25854	1.9587	24.518	.49579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0381**	**.25113**	**.51229**	**24.838**	**.25992**	**-.00355**	**.25740**
Stddev	.0172	.00130	.00020	.109	.00235	.00323	.00067
%RSD	.34122	.51689	.03949	.43720	.90275	91.047	.25902
#1	5.0184	.24963	.51228	24.739	.25744	-.00626	.25750
#2	5.0459	.25189	.51250	24.954	.26023	.00003	.25669
#3	5.0499	.25186	.51210	24.820	.26210	-.00442	.25801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: LCSS 42 Acquired: 4/4/2011 18:27:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9180**	**5.3988**	F **-1.2338**	**.59266**	**.18937**	**2.5177**	**.51447**
Stddev	5.7228	.0203	2.5132	.00188	.00102	.0017	.00041
%RSD	72.275	.37662	203.70	.31656	.54043	.06845	.08024
#1	10.875	5.4185	-2.1348	.59422	.19049	2.5172	.51400
#2	11.557	5.3999	1.6058	.59058	.18848	2.5162	.51471
#3	1.3216	5.3779	-3.1722	.59319	.18914	2.5196	.51471
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			9.0000				
Low Limit			-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49155**	**.50051**	**.25479**	**.52472**	**.50398**	**.51165**
Stddev	.00164	.00201	.00046	.00257	.00107	.00211
%RSD	.33459	.40213	.18171	.49030	.21213	.41185
#1	.49081	.50011	.25425	.52175	.50275	.50922
#2	.49343	.50269	.25501	.52617	.50468	.51303
#3	.49040	.49873	.25510	.52624	.50451	.51269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61669.**	**67773.**
Stddev	95.	469.
%RSD	.15335	.69243
#1	61776.	67782.
#2	61596.	67300.
#3	61636.	68238.

Approved: April 05, 2011

Sample Name: L1103093020 Acquired: 4/4/2011 18:30:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00942**	**196.87**	**.18579**	**.21673**	**4.8453**	**.02598**	**123.60**
Stddev	.00036	.41	.00058	.00379	.0945	.00012	.29
%RSD	3.8013	.20632	.31072	1.7465	1.9497	.46291	.23492
#1	.00915	197.15	.18567	.21641	4.9498	.02603	123.78
#2	.00982	197.05	.18642	.22066	4.8201	.02606	123.75
#3	.00927	196.40	.18529	.21311	4.7659	.02584	123.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01839**	**.49008**	**.32382**	**.58680**	**583.10**	**13.002**	**.11202**
Stddev	.00011	.00126	.00201	.00239	4.12	.030	.00002
%RSD	.57622	.25811	.62053	.40794	.70742	.22795	.01754
#1	.01842	.49075	.32438	.58854	582.76	13.033	.11202
#2	.01848	.49086	.32550	.58779	587.38	12.975	.11201
#3	.01827	.48862	.32159	.58407	579.15	12.997	.11205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.420**	**44.194**	**.01703**	**1.4712**	**.46805**	**4.4270**	**.91999**
Stddev	.116	.637	.00031	.0062	.00119	.0076	.00091
%RSD	.39478	1.4412	1.8492	.41934	.25408	.17218	.09927
#1	29.368	44.576	.01703	1.4703	.46932	4.4335	.92004
#2	29.553	44.547	.01671	1.4777	.46696	4.4290	.92088
#3	29.339	43.459	.01734	1.4655	.46788	4.4186	.91906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093020 Acquired: 4/4/2011 18:30:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.4998**	F **309.48**	F **-10912.**	**.01489**	**.02235**	**2.3936**	**.01729**
Stddev	3.5130	1.13	36.	.00086	.00153	.0062	.00019
%RSD	41.330	.36551	.32837	5.7493	6.8667	.26058	1.1077
#1	-9.6099	310.23	-10917.	.01491	.02304	2.4006	.01736
#2	-4.5659	310.03	-10946.	.01574	.02059	2.3914	.01743
#3	-11.324	308.18	-10874.	.01402	.02342	2.3887	.01707
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77318**	**.12168**	**.03596**	**.65279**	**2.5246**	**.11797**
Stddev	.00191	.00056	.00063	.00321	.0019	.00144
%RSD	.24657	.45710	1.7585	.49230	.07443	1.2172
#1	.77365	.12126	.03534	.65356	2.5266	.11826
#2	.77481	.12231	.03594	.65555	2.5243	.11925
#3	.77109	.12147	.03661	.64926	2.5229	.11642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63005.**	**73197.**
Stddev	181.	679.
%RSD	.28759	.92774
#1	62875.	72885.
#2	62927.	72730.
#3	63212.	73976.

Approved: April 05, 2011

Sample Name: L1103093020PS Acquired: 4/4/2011 18:34:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360746-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21603**	**181.54**	**.36406**	**1.0906**	**4.8459**	**.04886**	**115.75**
Stddev	.00039	1.68	.00060	.0028	.0797	.00021	.90
%RSD	.18069	.92739	.16398	.25992	1.6449	.42349	.77756
#1	.21648	182.75	.36454	1.0933	4.9260	.04902	116.50
#2	.21575	182.26	.36425	1.0909	4.8450	.04863	116.00
#3	.21587	179.62	.36339	1.0876	4.7666	.04893	114.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04124**	**.54200**	**.54032**	**.77528**	**525.65**	**35.718**	**.58852**
Stddev	.00002	.00054	.00195	.00076	6.31	.218	.00334
%RSD	.03938	.09981	.36058	.09777	1.2010	.61072	.56768
#1	.04126	.54261	.54112	.77571	526.75	35.890	.59222
#2	.04123	.54183	.53810	.77440	531.35	35.792	.58762
#3	.04123	.54157	.54174	.77572	518.87	35.473	.58572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.080**	**40.058**	**.50279**	**25.664**	**.66359**	**4.0537**	**1.0676**
Stddev	.146	.316	.00076	.163	.00051	.0079	.0009
%RSD	.47053	.78996	.15097	.63617	.07634	.19593	.08179
#1	31.215	40.277	.50314	25.753	.66354	4.0564	1.0676
#2	31.099	39.695	.50332	25.763	.66312	4.0447	1.0684
#3	30.924	40.201	.50192	25.475	.66413	4.0598	1.0667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093020PS Acquired: 4/4/2011 18:34:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360746-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-14.583**	F **287.99**	F **-10089.**	**.58703**	**.21387**	**4.6235**	**.01623**
Stddev	1.745	.32	20.	.00087	.00042	.0058	.00033
%RSD	11.969	.11231	.19978	.14795	.19616	.12624	2.0183
#1	-14.145	288.25	-10097.	.58744	.21421	4.6289	.01630
#2	-16.506	287.63	-10067.	.58761	.21400	4.6244	.01651
#3	-13.099	288.09	-10105.	.58603	.21340	4.6173	.01587
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1740**	**.58832**	**.26066**	**1.0982**	**2.7554**	**.63839**
Stddev	.0072	.00283	.00132	.0032	.0032	.00104
%RSD	.61555	.48129	.50702	.28920	.11545	.16362
#1	1.1791	.59140	.26166	1.0997	2.7582	.63877
#2	1.1772	.58773	.26116	1.0945	2.7561	.63721
#3	1.1657	.58583	.25916	1.1003	2.7519	.63919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62360.**	**73402.**
Stddev	130.	559.
%RSD	.20826	.76111
#1	62222.	72818.
#2	62480.	73456.
#3	62378.	73931.

Approved: April 05, 2011

Sample Name: L1103093020SDL Acquired: 4/4/2011 18:37:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**40.219**	**.03921**	**.04861**	**.98948**	**.00529**	**25.186**
Stddev	.00017	.301	.00043	.00075	.00173	.00004	.100
%RSD	9.6790	.74775	1.1014	1.5469	.17436	.74936	.39836
#1	.00196	40.564	.03965	.04883	.99138	.00528	25.301
#2	.00162	40.018	.03917	.04922	.98908	.00534	25.132
#3	.00177	40.073	.03879	.04777	.98800	.00526	25.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00392**	**.10729**	**.06734**	**.12962**	**123.50**	**2.8028**	**.02178**
Stddev	.00001	.00036	.00077	.00086	.29	.0095	.00088
%RSD	.17602	.33904	1.1437	.66504	.23880	.33788	4.0565
#1	.00392	.10735	.06670	.12938	123.79	2.8089	.02111
#2	.00392	.10761	.06819	.13058	123.50	2.8076	.02278
#3	.00391	.10690	.06711	.12891	123.20	2.7919	.02145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3638**	**9.4243**	**.00336**	**.31020**	**.10335**	**1.0029**	**.21223**
Stddev	.0164	.0152	.00013	.00163	.00038	.0037	.00025
%RSD	.25748	.16174	3.9122	.52400	.36557	.37231	.11808
#1	6.3577	9.4419	.00328	.30874	.10297	.99961	.21195
#2	6.3514	9.4153	.00328	.30990	.10372	1.0022	.21233
#3	6.3824	9.4158	.00351	.31195	.10338	1.0070	.21242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093020SDL Acquired: 4/4/2011 18:37:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.745**	F **71.136**	F **-2448.4**	**.00277**	**.00278**	**.53092**	**.00305**
Stddev	2.492	.244	10.1	.00133	.00098	.00113	.00025
%RSD	19.552	.34345	.41312	48.025	35.286	.21280	8.3678
#1	12.954	71.108	-2447.2	.00258	.00285	.53069	.00334
#2	15.126	71.393	-2459.0	.00419	.00372	.52992	.00292
#3	10.156	70.906	-2438.9	.00155	.00176	.53214	.00288
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15638**	**.02436**	**.00799**	**.13299**	**.54775**	**.02253**
Stddev	.00072	.00079	.00051	.00036	.00098	.00037
%RSD	.46138	3.2549	6.3272	.26945	.17809	1.6443
#1	.15720	.02450	.00761	.13261	.54664	.02224
#2	.15614	.02507	.00779	.13304	.54811	.02239
#3	.15582	.02350	.00857	.13332	.54849	.02294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65721.**	**71983.**
Stddev	132.	322.
%RSD	.20017	.44739
#1	65848.	72291.
#2	65585.	72008.
#3	65731.	71649.

Approved: April 05, 2011

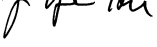
Sample Name: L1103093020SDL Acquired: 4/4/2011 18:41:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**8.0937**	**.00847**	**.01010**	**.19651**	**.00108**	**5.0491**
Stddev	.00025	.0623	.00042	.00058	.00156	.00002	.0253
%RSD	75.375	.77002	4.9315	5.7413	.79348	1.7751	.50137
#1	-.00004	8.1646	.00816	.01069	.19820	.00106	5.0782
#2	-.00044	8.0479	.00894	.01009	.19512	.00108	5.0368
#3	-.00050	8.0684	.00831	.00953	.19621	.00110	5.0322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.02266**	**.01392**	**.02752**	**24.796**	**.60837**	**.00378**
Stddev	.00010	.00006	.00039	.00040	.155	.00645	.00161
%RSD	14.281	.27462	2.7678	1.4549	.62599	1.0602	42.511
#1	.00079	.02268	.01416	.02777	24.975	.60339	.00537
#2	.00059	.02271	.01348	.02774	24.705	.60606	.00380
#3	.00068	.02259	.01413	.02706	24.707	.61565	.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3056**	**1.9092**	**.00047**	**.04675**	**.02122**	**.21433**	**.04421**
Stddev	.0097	.0078	.00026	.00435	.00051	.00112	.00015
%RSD	.74139	.40725	55.994	9.2995	2.3913	.52075	.33633
#1	1.3162	1.9181	.00070	.04364	.02180	.21561	.04423
#2	1.2973	1.9036	.00053	.05172	.02097	.21383	.04434
#3	1.3032	1.9059	.00018	.04489	.02088	.21356	.04404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: L1103093020SDL Acquired: 4/4/2011 18:41:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360746-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **20.654**	F **15.349**	F **-515.90**	**-.00017**	**-.00079**	**.10564**	**-.00018**
Stddev	4.464	.023	4.35	.00098	.00114	.00074	.00011
%RSD	21.613	.14677	.84387	567.03	145.05	.70020	58.992
#1	24.091	15.344	-520.63	-.00130	-.00205	.10543	-.00023
#2	22.262	15.374	-515.03	.00035	-.00046	.10646	-.00025
#3	15.609	15.329	-512.05	.00043	.00016	.10503	-.00006
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03175**	**.00498**	**.00225**	**.02731**	**.11580**	**.00376**
Stddev	.00014	.00079	.00165	.00009	.00050	.00011
%RSD	.45391	15.770	73.466	.32700	.43310	2.9572
#1	.03188	.00411	.00246	.02722	.11541	.00373
#2	.03177	.00517	.00050	.02732	.11561	.00388
#3	.03160	.00565	.00379	.02739	.11636	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65969.**	**71092.**
Stddev	100.	396.
%RSD	.15158	.55707
#1	66076.	70636.
#2	65954.	71284.
#3	65877.	71355.

Approved: April 05, 2011

Sample Name: L1103093021 Acquired: 4/4/2011 18:44:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00628**	**190.13**	**.19462**	**.22611**	**4.4117**	**.02709**	**145.64**
Stddev	.00032	1.48	.00143	.00569	.0942	.00013	.83
%RSD	5.1616	.77734	.73704	2.5186	2.1346	.46311	.57169
#1	.00665	191.37	.19354	.22938	4.3366	.02708	146.38
#2	.00618	190.52	.19625	.22941	4.5173	.02697	145.79
#3	.00602	188.49	.19408	.21954	4.3811	.02722	144.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02047**	**.39489**	**.31428**	**.75326**	**596.45**	**11.677**	**.10112**
Stddev	.00011	.00191	.00137	.00486	11.72	.041	.00079
%RSD	.52395	.48327	.43493	.64543	1.9644	.35283	.77710
#1	.02052	.39368	.31418	.75038	601.47	11.722	.10110
#2	.02053	.39709	.31297	.75888	604.83	11.669	.10192
#3	.02034	.39390	.31569	.75054	583.06	11.641	.10035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.992**	**28.811**	**.02195**	**1.7074**	**.46397**	**4.3054**	**1.1705**
Stddev	.023	.093	.00026	.0146	.00072	.0067	.0013
%RSD	.08602	.32254	1.1798	.85382	.15443	.15608	.10726
#1	26.972	28.903	.02165	1.7242	.46377	4.2981	1.1692
#2	27.018	28.814	.02214	1.6997	.46476	4.3068	1.1707
#3	26.987	28.717	.02205	1.6983	.46337	4.3113	1.1717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093021 Acquired: 4/4/2011 18:44:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-12.051**	F **462.99**	F **-18892.**	**.01834**	**.02115**	**2.8186**	**.02036**
Stddev	3.076	2.62	124.	.00109	.00119	.0082	.00016
%RSD	25.525	.56641	.65793	5.9423	5.6473	.29030	.76832
#1	-13.618	461.86	-18847.	.01708	.01978	2.8193	.02050
#2	-8.5069	465.99	-19032.	.01888	.02191	2.8265	.02038
#3	-14.027	461.13	-18796.	.01905	.02177	2.8102	.02019
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68969**	**.13725**	**.02665**	**.63271**	**2.8365**	**.11259**
Stddev	.00451	.00089	.00234	.00045	.0071	.00042
%RSD	.65429	.64696	8.7869	.07131	.25062	.37392
#1	.69380	.13636	.02881	.63260	2.8285	.11306
#2	.69040	.13814	.02699	.63320	2.8422	.11226
#3	.68486	.13725	.02416	.63232	2.8387	.11245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61985.**	**72929.**
Stddev	192.	449.
%RSD	.31023	.61513
#1	62034.	72543.
#2	61773.	72823.
#3	62148.	73421.

Approved: April 05, 2011

Sample Name: L1103093021S Acquired: 4/4/2011 18:48:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19163**	**223.77**	**.38663**	**.78787**	**5.7086**	**.04917**	**480.47**
Stddev	.00031	1.54	.00334	.00430	.1053	.00026	5.34
%RSD	.16155	.68831	.86517	.54548	1.8450	.51893	1.1119
#1	.19139	223.07	.38644	.78877	5.6026	.04889	475.91
#2	.19153	222.71	.39007	.79164	5.7099	.04924	479.13
#3	.19198	225.54	.38338	.78319	5.8132	.04938	486.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05185**	**.53197**	**.56277**	**1.0504**	**604.97**	**35.502**	**.57024**
Stddev	.00010	.00098	.00243	.0015	1.87	.143	.00198
%RSD	.19160	.18464	.43205	.13868	.30838	.40281	.34742
#1	.05192	.53250	.55997	1.0502	606.32	35.414	.56839
#2	.05189	.53258	.56399	1.0519	605.75	35.425	.57001
#3	.05173	.53084	.56434	1.0490	602.84	35.667	.57233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.396**	**36.054**	**.44749**	**23.426**	**.68722**	**4.7711**	**1.4172**
Stddev	.138	.382	.00056	.141	.00171	.0155	.0027
%RSD	.32433	1.0602	.12491	.60221	.24914	.32406	.18834
#1	42.327	36.484	.44791	23.370	.68593	4.7707	1.4173
#2	42.307	35.753	.44769	23.322	.68916	4.7868	1.4198
#3	42.555	35.925	.44685	23.587	.68656	4.7559	1.4144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093021S Acquired: 4/4/2011 18:48:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.557**	F **755.39**	F **-15682.**	**.51314**	**.17837**	**8.8071**	**.43393**
Stddev	1.393	1.44	40.	.00180	.00045	.0340	.00088
%RSD	8.9554	.18999	.25220	.35069	.25316	.38614	.20199
#1	-16.814	756.34	-15726.	.51466	.17849	8.8348	.43437
#2	-14.059	756.09	-15668.	.51360	.17875	8.8174	.43450
#3	-15.798	753.74	-15651.	.51115	.17787	8.7691	.43292
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1524**	**.58586**	**.22421**	**1.1615**	**4.0669**	**.32257**
Stddev	.0105	.00101	.00065	.0013	.0102	.00115
%RSD	.48576	.17156	.29018	.11373	.25119	.35598
#1	2.1484	.58470	.22470	1.1600	4.0629	.32203
#2	2.1445	.58643	.22445	1.1617	4.0785	.32389
#3	2.1642	.58646	.22347	1.1626	4.0594	.32180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**59842.**	**72545.**
Stddev	80.	404.
%RSD	.13368	.55634
#1	59851.	72219.
#2	59758.	72997.
#3	59918.	72419.

Approved: April 05, 2011

Sample Name: L1103093021SD Acquired: 4/4/2011 18:52:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18222**	**186.25**	**.34224**	**.75641**	**4.2136**	**.04483**	**215.90**
Stddev	.00120	.59	.00091	.00310	.0071	.00030	.33
%RSD	.66098	.31504	.26568	.40944	.16830	.68033	.15444
#1	.18327	185.63	.34304	.75401	4.2209	.04475	215.54
#2	.18250	186.32	.34244	.75990	4.2129	.04516	215.96
#3	.18091	186.80	.34125	.75531	4.2068	.04456	216.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04343**	**.37972**	**.56035**	**1.0160**	**499.66**	**32.026**	**.51413**
Stddev	.00017	.00022	.00511	.0028	4.76	.077	.00112
%RSD	.39584	.05873	.91106	.27973	.95276	.23990	.21770
#1	.04323	.37989	.56096	1.0179	495.24	31.940	.51510
#2	.04352	.37980	.56513	1.0174	499.05	32.087	.51437
#3	.04354	.37947	.55497	1.0127	504.70	32.051	.51290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.094**	**23.008**	**.43391**	**22.102**	**.62457**	**4.2861**	**1.3729**
Stddev	.065	.218	.00039	.093	.00193	.0166	.0052
%RSD	.20922	.94682	.09066	.42060	.30896	.38633	.37977
#1	31.023	22.760	.43401	21.995	.62619	4.2972	1.3764
#2	31.109	23.096	.43425	22.146	.62508	4.2941	1.3755
#3	31.151	23.167	.43348	22.165	.62243	4.2671	1.3669
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103093021SD Acquired: 4/4/2011 18:52:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360226-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.9523**	F **485.45**	F **-15949.**	**.48972**	**.16274**	**7.7299**	**.42489**
Stddev	6.0081	.59	22.	.00189	.00343	.0124	.00021
%RSD	67.113	.12253	.14100	.38572	2.1047	.16042	.05033
#1	-2.4784	486.07	-15973.	.49035	.16062	7.7411	.42486
#2	-10.030	485.40	-15928.	.49122	.16669	7.7319	.42469
#3	-14.349	484.88	-15945.	.48760	.16090	7.7166	.42511
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2965**	**.55650**	**.21343**	**1.0271**	**3.9534**	**.33456**
Stddev	.0034	.00052	.00197	.0044	.0039	.00305
%RSD	.25936	.09256	.92202	.42638	.09756	.91237
#1	1.2926	.55601	.21363	1.0268	3.9515	.33560
#2	1.2980	.55704	.21528	1.0317	3.9578	.33695
#3	1.2988	.55647	.21136	1.0229	3.9508	.33112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61242.**	**72836.**
Stddev	150.	261.
%RSD	.24420	.35840
#1	61249.	73081.
#2	61089.	72561.
#3	61388.	72865.

Approved: April 05, 2011

Sample Name: L1103082906 Acquired: 4/4/2011 18:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**132.57**	**.14617**	**.11700**	**1.7399**	**.01305**	**122.51**
Stddev	.00014	.33	.00158	.00243	.0008	.00003	.28
%RSD	3.8871	.24606	1.0791	2.0808	.04627	.20948	.23066
#1	.00377	132.39	.14706	.11428	1.7389	.01308	122.33
#2	.00381	132.95	.14711	.11898	1.7404	.01304	122.83
#3	.00355	132.38	.14435	.11773	1.7402	.01303	122.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00522**	**.11750**	**.29341**	**.14325**	**335.13**	**5.8872**	**.06989**
Stddev	.00006	.00045	.00069	.00138	3.73	.0321	.00063
%RSD	1.1911	.38270	.23653	.96114	1.1122	.54433	.90764
#1	.00516	.11778	.29416	.14475	330.89	5.8654	.06954
#2	.00528	.11775	.29328	.14295	337.89	5.9240	.06950
#3	.00521	.11698	.29279	.14204	336.61	5.8723	.07062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.086**	**6.3591**	**.01483**	**2.4929**	**.11164**	**2.8391**	**.33544**
Stddev	.023	.0091	.00009	.0091	.00026	.0124	.00035
%RSD	.11276	.14299	.63710	.36574	.23579	.43709	.10421
#1	20.085	6.3530	.01472	2.4828	.11154	2.8495	.33503
#2	20.065	6.3696	.01489	2.5006	.11194	2.8425	.33560
#3	20.110	6.3548	.01487	2.4953	.11144	2.8254	.33567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082906 Acquired: 4/4/2011 18:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.9393**	F **241.43**	F **-6821.9**	**.01275**	**.01459**	**2.0460**	**.00967**
Stddev	3.2700	.89	48.8	.00030	.00009	.0053	.00012
%RSD	47.122	.36852	.71467	2.3185	.59505	.25715	1.2091
#1	-9.4029	242.11	-6870.6	.01293	.01455	2.0519	.00980
#2	-8.1857	241.75	-6822.2	.01291	.01453	2.0446	.00957
#3	-3.2295	240.42	-6773.0	.01241	.01469	2.0416	.00963
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.72331**	**.22783**	**.01556**	**.59385**	**.39608**	**.11875**
Stddev	.00225	.00160	.00129	.00182	.00037	.00072
%RSD	.31046	.70081	8.2825	.30573	.09318	.60474
#1	.72217	.22695	.01704	.59483	.39593	.11877
#2	.72590	.22967	.01465	.59497	.39650	.11946
#3	.72186	.22686	.01499	.59176	.39582	.11802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61350.**	**72152.**
Stddev	192.	339.
%RSD	.31285	.46991
#1	61170.	71766.
#2	61329.	72287.
#3	61552.	72402.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:59:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42016**	**9.8907**	**.40981**	**.51650**	**.98667**	**.05132**	**9.8074**
Stddev	.00028	.1026	.00032	.00186	.00561	.00030	.0597
%RSD	.06740	1.0370	.07770	.36057	.56829	.58671	.60881
#1	.41984	9.7724	.40963	.51514	.98048	.05112	9.7389
#2	.42038	9.9434	.40962	.51862	.99141	.05166	9.8488
#3	.42025	9.9561	.41018	.51574	.98813	.05117	9.8344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05245**	**.21031**	**.51692**	**.52183**	**4.0201**	**49.893**	**1.0042**
Stddev	.00013	.00062	.00400	.00053	.0275	.329	.0028
%RSD	.24676	.29248	.77395	.10232	.68304	.65866	.28279
#1	.05230	.20966	.51358	.52159	3.9899	49.516	1.0010
#2	.05250	.21088	.52136	.52245	4.0436	50.121	1.0064
#3	.05254	.21039	.51583	.52147	4.0268	50.042	1.0053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.280**	**.50721**	**1.0089**	**50.043**	**.51969**	**10.066**	**.52473**
Stddev	.039	.00176	.0024	.361	.00040	.008	.00026
%RSD	.38220	.34606	.23850	.72042	.07645	.07770	.04899
#1	10.240	.50520	1.0114	49.626	.51934	10.068	.52495
#2	10.282	.50840	1.0066	50.253	.51962	10.057	.52479
#3	10.318	.50804	1.0086	50.249	.52012	10.072	.52445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 18:59:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.084**	**10.568**	F **15.259**	**1.2422**	**.41570**	**5.1105**	**1.0351**
Stddev	1.890	.092	1.384	.0016	.00370	.0058	.0006
%RSD	9.9058	.87303	9.0683	.13238	.89038	.11294	.06095
#1	17.039	10.590	14.602	1.2418	.41309	5.1074	1.0344
#2	19.445	10.647	16.848	1.2409	.41994	5.1171	1.0352
#3	20.768	10.466	14.325	1.2441	.41407	5.1069	1.0356
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98601**	**.99989**	**.53225**	**1.0368**	**1.0303**	**1.0227**
Stddev	.00777	.00598	.00163	.0043	.0024	.0070
%RSD	.78810	.59828	.30667	.41152	.23152	.68400
#1	.97704	.99299	.53336	1.0357	1.0275	1.0187
#2	.99073	1.0036	.53300	1.0415	1.0318	1.0308
#3	.99026	1.0031	.53037	1.0331	1.0315	1.0186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63414.**	**68496.**
Stddev	268.	332.
%RSD	.42326	.48447
#1	63693.	68745.
#2	63157.	68625.
#3	63393.	68120.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:02:49 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**-.02041**	**-.00054**	**.00160**	**.00024**	**.00001**	**-.01383**
Stddev	.00060	.01070	.00055	.00064	.00002	.00001	.00365
%RSD	59.300	52.425	100.47	40.116	9.4937	232.36	26.380
#1	-.00161	-.03091	-.00116	.00201	.00027	-.00001	-.01068
#2	-.00041	-.00952	-.00034	.00193	.00024	.00001	-.01298
#3	-.00102	-.02081	-.00013	.00086	.00022	.00001	-.01783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00007**	**.00048**	**-.00005**	**.00544**	**.17636**	**-.00090**
Stddev	.00008	.00018	.00008	.00006	.00006	.00839	.00071
%RSD	117.15	248.61	17.368	120.79	1.1876	4.7557	78.733
#1	.00014	.00027	.00039	.00000	.00549	.18167	-.00070
#2	-.00001	-.00007	.00054	-.00011	.00537	.16669	-.00032
#3	.00007	.00002	.00053	-.00004	.00547	.18072	-.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00374**	**.00028**	**.00017**	**.00461**	**-.00039**	**.00109**	**-.00037**
Stddev	.00599	.00011	.00027	.00791	.00030	.00175	.00028
%RSD	160.17	38.352	155.84	171.68	77.374	160.23	76.990
#1	.00846	.00039	.00020	.00815	-.00010	.00217	-.00069
#2	.00576	.00026	.00042	-.00445	-.00037	-.00093	-.00015
#3	-.00300	.00018	-.00011	.01012	-.00070	.00203	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:02:49 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.904**	F **-.12982**	F **6.8272**	**.00131**	**-.00099**	**.00172**	**-.00084**
Stddev	1.929	.01023	2.1974	.00038	.00036	.00047	.00022
%RSD	10.205	7.8825	32.186	29.257	36.687	27.277	26.332
#1	17.064	-.11974	5.1485	.00113	-.00141	.00178	-.00062
#2	20.911	-.14020	9.3143	.00175	-.00085	.00215	-.00084
#3	18.738	-.12952	6.0187	.00105	-.00072	.00122	-.00107
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00099**	**-.00112**	**.00015**	**-.00030**	**-.00002**
Stddev	.00010	.00146	.00182	.00005	.00005	.00014
%RSD	132.60	147.43	163.01	34.312	15.789	639.56
#1	.00003	.00035	.00097	.00013	-.00028	.00013
#2	-.00018	-.00077	-.00196	.00011	-.00027	-.00013
#3	-.00008	-.00254	-.00237	.00020	-.00036	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63719.**	**68262.**
Stddev	91.	270.
%RSD	.14221	.39488
#1	63743.	68132.
#2	63619.	68572.
#3	63796.	68083.

Approved: April 05, 2011

Sample Name: L1103082907 Acquired: 4/4/2011 19:06:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**88.906**	**.15244**	**.09902**	**1.4074**	**.01210**	**715.09**
Stddev	.00058	.798	.00211	.00226	.0070	.00003	9.56
%RSD	27.754	.89774	1.3851	2.2841	.49506	.26138	1.3363
#1	.00142	88.792	.15165	.10103	1.4029	.01209	711.67
#2	.00234	88.171	.15483	.09947	1.4039	.01214	707.72
#3	.00248	89.755	.15083	.09657	1.4155	.01208	725.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00590**	**.12184**	**.22124**	**.15366**	**252.93**	**8.6666**	**.09398**
Stddev	.00004	.00034	.00016	.00064	3.15	.0358	.00136
%RSD	.72583	.28068	.07249	.41684	1.2455	.41324	1.4421
#1	.00588	.12149	.22106	.15300	255.86	8.6556	.09554
#2	.00595	.12218	.22129	.15427	253.33	8.6376	.09309
#3	.00587	.12185	.22137	.15372	249.59	8.7067	.09331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.626**	**5.3720**	**.00950**	**.75591**	**.15474**	**4.1365**	**.27434**
Stddev	.170	.0243	.00001	.00068	.00068	.0071	.00058
%RSD	.59269	.45176	.15089	.09036	.43890	.17243	.21255
#1	28.566	5.3692	.00952	.75641	.15399	4.1287	.27425
#2	28.495	5.3493	.00950	.75619	.15531	4.1426	.27381
#3	28.818	5.3976	.00950	.75513	.15492	4.1382	.27496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082907 Acquired: 4/4/2011 19:06:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.009**	F **959.11**	F **-12264.**	**.00928**	**.00818**	**2.4120**	**.00748**
Stddev	8.230	1.83	60.	.00096	.00028	.0024	.00057
%RSD	74.757	.19045	.49284	10.304	3.3785	.09932	7.6557
#1	-15.744	957.92	-12256.	.01033	.00842	2.4125	.00684
#2	-15.777	961.21	-12328.	.00905	.00788	2.4142	.00762
#3	-1.5059	958.20	-12208.	.00846	.00825	2.4095	.00796
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6324**	**.20390**	**.00934**	**.36402**	**.50314**	**.07963**
Stddev	.0166	.00157	.00107	.00125	.00118	.00033
%RSD	.63110	.77236	11.443	.34376	.23448	.41270
#1	2.6367	.20336	.00849	.36258	.50189	.07997
#2	2.6141	.20266	.01054	.36487	.50329	.07962
#3	2.6464	.20567	.00899	.36460	.50423	.07931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**58553.**	**70432.**
Stddev	141.	564.
%RSD	.24121	.80079
#1	58605.	70012.
#2	58393.	71073.
#3	58661.	70210.

Approved: April 05, 2011

Sample Name: L1103082908 Acquired: 4/4/2011 19:10:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**103.33**	**.09287**	**.07773**	**1.8886**	**.00921**	**41.063**
Stddev	.00025	.73	.00048	.00034	.0068	.00006	.211
%RSD	7.9058	.70699	.52003	.44079	.36136	.68532	.51324
#1	.00335	102.78	.09329	.07795	1.8857	.00914	40.908
#2	.00321	103.06	.09299	.07733	1.8837	.00924	40.977
#3	.00287	104.16	.09234	.07790	1.8964	.00925	41.303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.06364**	**.19042**	**.15059**	**185.19**	**8.7064**	**.06192**
Stddev	.00001	.00017	.00151	.00031	.91	.0334	.00036
%RSD	.18808	.26556	.79422	.20468	.49145	.38396	.57601
#1	.00584	.06345	.18881	.15028	184.69	8.6951	.06187
#2	.00586	.06369	.19181	.15090	184.64	8.6801	.06159
#3	.00584	.06378	.19062	.15057	186.24	8.7440	.06230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.512**	**4.9299**	**.00826**	**.36007**	**.08705**	**3.4897**	**.34777**
Stddev	.059	.0095	.00020	.00796	.00035	.0038	.00174
%RSD	.47000	.19261	2.4417	2.2094	.40753	.10811	.50115
#1	12.470	4.9223	.00803	.36779	.08665	3.4897	.34721
#2	12.487	4.9267	.00834	.35190	.08720	3.4859	.34973
#3	12.579	4.9405	.00841	.36053	.08732	3.4935	.34638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082908 Acquired: 4/4/2011 19:10:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.0576**	F **194.05**	F **-9070.8**	**.00651**	**.01057**	**2.3917**	**.00914**
Stddev	2.1988	.75	23.4	.00027	.00209	.0042	.00024
%RSD	27.289	.38626	.25848	4.1690	19.802	.17574	2.6120
#1	-10.582	193.18	-9045.0	.00677	.01163	2.3869	.00900
#2	-6.5622	194.43	-9076.8	.00653	.00816	2.3935	.00942
#3	-7.0285	194.53	-9090.7	.00623	.01192	2.3947	.00901
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28539**	**.30889**	**.00684**	**.36749**	**.63957**	**.09598**
Stddev	.00098	.00066	.00052	.00146	.00061	.00023
%RSD	.34341	.21439	7.5714	.39675	.09575	.23635
#1	.28452	.30865	.00719	.36584	.63894	.09588
#2	.28519	.30838	.00625	.36861	.64016	.09624
#3	.28645	.30963	.00709	.36802	.63959	.09582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63319.**	**71694.**
Stddev	121.	340.
%RSD	.19095	.47361
#1	63451.	71554.
#2	63290.	72081.
#3	63215.	71447.

Approved: April 05, 2011

Sample Name: L1103082909 Acquired: 4/4/2011 19:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**113.77**	**.12625**	**.10723**	**1.7270**	**.01180**	**32.347**
Stddev	.00015	.40	.00076	.00202	.0029	.00004	.087
%RSD	3.8816	.34966	.60065	1.8873	.16646	.36615	.26759
#1	.00381	113.36	.12628	.10521	1.7257	.01175	32.247
#2	.00411	114.15	.12548	.10721	1.7303	.01183	32.400
#3	.00401	113.80	.12700	.10926	1.7249	.01181	32.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00502**	**.13806**	**.24953**	**.12942**	**286.11**	**5.1496**	**.05330**
Stddev	.00013	.00058	.00039	.00163	5.06	.0322	.00109
%RSD	2.6390	.42268	.15786	1.2572	1.7701	.62553	2.0540
#1	.00492	.13765	.24991	.12868	280.56	5.1130	.05449
#2	.00496	.13779	.24958	.12830	287.30	5.1622	.05234
#3	.00517	.13873	.24912	.13129	290.47	5.1736	.05308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.143**	**9.5905**	**.01309**	**3.2630**	**.09202**	**2.7223**	**.36967**
Stddev	.087	.0265	.00043	.0012	.00053	.0006	.00059
%RSD	.61724	.27585	3.2575	.03727	.57882	.02320	.15859
#1	14.047	9.5602	.01349	3.2643	.09167	2.7221	.36909
#2	14.167	9.6091	.01316	3.2619	.09176	2.7218	.36966
#3	14.217	9.6021	.01264	3.2628	.09264	2.7230	.37027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082909 Acquired: 4/4/2011 19:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.6813**	F **127.41**	F **-5583.7**	**.00806**	**.01051**	**2.1285**	**.00909**
Stddev	4.0077	.78	48.0	.00085	.00292	.0078	.00022
%RSD	85.611	.61412	.86043	10.592	27.804	.36796	2.4565
#1	-9.0968	126.92	-5557.4	.00904	.01246	2.1223	.00905
#2	-3.6735	127.00	-5554.5	.00752	.00715	2.1260	.00933
#3	-1.2737	128.31	-5639.1	.00761	.01192	2.1373	.00889
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26721**	**.25037**	**.01444**	**.52283**	**.38046**	**.10708**
Stddev	.00019	.00071	.00003	.00139	.00057	.00013
%RSD	.07163	.28449	.22307	.26512	.14911	.12361
#1	.26708	.25021	.01447	.52124	.38013	.10718
#2	.26712	.25115	.01446	.52342	.38014	.10712
#3	.26743	.24975	.01441	.52382	.38112	.10693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63319.**	**71829.**
Stddev	178.	485.
%RSD	.28169	.67474
#1	63432.	72233.
#2	63412.	71963.
#3	63113.	71292.

Approved: April 05, 2011

Sample Name: L1103082910 Acquired: 4/4/2011 19:17:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**87.083**	**.09340**	**.08972**	**1.2240**	**.00847**	**41.578**
Stddev	.00041	.192	.00108	.00051	.0008	.00008	.060
%RSD	13.300	.22006	1.1570	.56923	.06247	.99401	.14453
#1	.00321	86.866	.09328	.09004	1.2249	.00837	41.510
#2	.00261	87.155	.09238	.08998	1.2237	.00850	41.625
#3	.00338	87.228	.09453	.08913	1.2236	.00853	41.600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00544**	**.07094**	**.18597**	**.15143**	**195.52**	**9.1529**	**.04770**
Stddev	.00009	.00016	.00165	.00100	.28	.0456	.00066
%RSD	1.6718	.22476	.88699	.65890	.14398	.49774	1.3802
#1	.00541	.07080	.18419	.15041	195.63	9.1168	.04735
#2	.00554	.07091	.18627	.15240	195.21	9.2041	.04846
#3	.00537	.07111	.18745	.15148	195.74	9.1379	.04729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.771**	**4.4413**	**.01097**	**1.0847**	**.07226**	**4.9216**	**.34823**
Stddev	.038	.0012	.00030	.0017	.00055	.0145	.00161
%RSD	.32407	.02775	2.7204	.15923	.75839	.29435	.46242
#1	11.769	4.4413	.01127	1.0866	.07191	4.9054	.34731
#2	11.734	4.4402	.01097	1.0839	.07289	4.9334	.35009
#3	11.810	4.4426	.01067	1.0834	.07198	4.9259	.34728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082910 Acquired: 4/4/2011 19:17:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.5178**	F **245.31**	F **-12067.**	**.00767**	**.00939**	**2.2403**	**.00986**
Stddev	3.4454	.84	41.	.00158	.00064	.0027	.00014
%RSD	136.84	.34294	.33660	20.569	6.7875	.11967	1.3799
#1	.93566	244.34	-12020.	.00908	.00902	2.2390	.00971
#2	-2.5341	245.86	-12088.	.00797	.01012	2.2434	.00997
#3	-5.9550	245.73	-12093.	.00596	.00902	2.2386	.00991
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28946**	**.30670**	**.00712**	**.39344**	**.63270**	**.09102**
Stddev	.00067	.00086	.00124	.00218	.00153	.00064
%RSD	.23105	.27943	17.380	.55313	.24260	.70208
#1	.28871	.30604	.00633	.39157	.63105	.09033
#2	.28999	.30641	.00855	.39292	.63408	.09112
#3	.28969	.30767	.00649	.39583	.63298	.09160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63172.**	**71570.**
Stddev	155.	134.
%RSD	.24544	.18769
#1	63314.	71442.
#2	63007.	71558.
#3	63197.	71710.

Approved: April 05, 2011

Sample Name: L1103082911 Acquired: 4/4/2011 19:20:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**93.590**	**.13208**	**.08198**	**1.9343**	**.01010**	**39.010**
Stddev	.00014	.342	.00102	.00204	.0055	.00007	.107
%RSD	4.2090	.36595	.76895	2.4924	.28195	.71049	.27525
#1	.00337	93.857	.13319	.08153	1.9342	.01012	39.110
#2	.00337	93.204	.13119	.08021	1.9289	.01016	38.896
#3	.00313	93.710	.13186	.08422	1.9398	.01002	39.024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00631**	**.09174**	**.24257**	**.14724**	**204.92**	**5.7231**	**.05375**
Stddev	.00009	.00093	.00079	.00228	1.48	.0283	.00098
%RSD	1.3788	1.0094	.32496	1.5502	.72102	.49369	1.8170
#1	.00640	.09279	.24277	.14969	205.51	5.7519	.05471
#2	.00628	.09137	.24324	.14684	203.24	5.6954	.05276
#3	.00624	.09105	.24170	.14517	206.01	5.7220	.05377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.689**	**6.4042**	**.00919**	**.71885**	**.08449**	**3.0031**	**.34808**
Stddev	.029	.0068	.00025	.00466	.00028	.0272	.00254
%RSD	.25202	.10614	2.7518	.64793	.32675	.90646	.72838
#1	11.692	6.4079	.00937	.71378	.08459	3.0232	.34900
#2	11.659	6.3964	.00930	.72293	.08470	3.0141	.35003
#3	11.717	6.4084	.00890	.71983	.08418	2.9721	.34521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082911 Acquired: 4/4/2011 19:20:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.5325**	F **170.70**	F **-7751.9**	**.00654**	**.00977**	**2.2408**	**.00845**
Stddev	3.2405	1.03	64.1	.00116	.00133	.0050	.00019
%RSD	37.978	.60198	.82724	17.767	13.621	.22439	2.2718
#1	-4.9395	171.70	-7818.2	.00741	.01112	2.2462	.00823
#2	-9.4244	170.75	-7747.3	.00522	.00846	2.2400	.00858
#3	-11.234	169.64	-7690.2	.00699	.00973	2.2362	.00854
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28014**	**.29008**	**.00938**	**.42244**	**.65212**	**.10602**
Stddev	.00050	.00053	.00052	.00284	.00099	.00057
%RSD	.18026	.18385	5.5663	.67180	.15221	.53564
#1	.28072	.28982	.00906	.42483	.65270	.10611
#2	.27980	.29069	.00911	.42318	.65269	.10654
#3	.27990	.28973	.00999	.41930	.65098	.10541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63317.**	**71627.**
Stddev	362.	873.
%RSD	.57212	1.2187
#1	62956.	70620.
#2	63315.	72078.
#3	63681.	72181.

Approved: April 05, 2011

Sample Name: L1103082912 Acquired: 4/4/2011 19:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**106.22**	**.11112**	**.08756**	**1.8352**	**.01127**	**30.694**
Stddev	.00018	.31	.00148	.00022	.0023	.00005	.066
%RSD	5.8859	.28866	1.3340	.25113	.12406	.48175	.21622
#1	.00289	106.46	.11270	.08770	1.8377	.01125	30.770
#2	.00321	106.32	.10976	.08731	1.8333	.01133	30.654
#3	.00320	105.87	.11091	.08768	1.8345	.01123	30.657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.13274**	**.24579**	**.12549**	**238.79**	**5.0509**	**.06071**
Stddev	.00006	.00029	.00181	.00091	1.65	.0126	.00125
%RSD	1.5803	.21494	.73721	.72197	.69057	.24851	2.0619
#1	.00356	.13271	.24592	.12629	240.12	5.0488	.06181
#2	.00357	.13304	.24754	.12566	236.95	5.0644	.05935
#3	.00366	.13247	.24392	.12450	239.30	5.0396	.06097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.773**	**6.8483**	**.01059**	**.88565**	**.08144**	**2.4884**	**.29664**
Stddev	.016	.0083	.00008	.00807	.00020	.0091	.00055
%RSD	.13232	.12106	.75033	.91120	.24132	.36643	.18528
#1	11.789	6.8398	.01054	.88218	.08122	2.4966	.29724
#2	11.772	6.8564	.01054	.89488	.08161	2.4786	.29616
#3	11.758	6.8485	.01068	.87990	.08149	2.4899	.29652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082912 Acquired: 4/4/2011 19:23:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.6889**	F **120.74**	F **-5273.6**	**.00774**	**.01190**	**2.2461**	**.00839**
Stddev	2.8165	.22	31.2	.00118	.00105	.0032	.00027
%RSD	60.067	.18386	.59103	15.217	8.8674	.14229	3.1632
#1	-7.7986	120.74	-5303.7	.00909	.01124	2.2477	.00843
#2	-2.3096	120.96	-5241.5	.00722	.01133	2.2483	.00864
#3	-3.9584	120.51	-5275.5	.00692	.01311	2.2425	.00811
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24476**	**.29274**	**.01156**	**.49335**	**.30023**	**.11006**
Stddev	.00020	.00044	.00044	.00154	.00054	.00069
%RSD	.08280	.15023	3.7852	.31294	.17952	.63080
#1	.24492	.29323	.01120	.49486	.29976	.11017
#2	.24482	.29238	.01144	.49340	.30082	.11069
#3	.24453	.29260	.01205	.49178	.30013	.10931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63326.**	**72410.**
Stddev	122.	588.
%RSD	.19237	.81137
#1	63259.	71840.
#2	63252.	72377.
#3	63467.	73013.

Approved: April 05, 2011

Sample Name: L1103082913 Acquired: 4/4/2011 19:27:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	**103.50**	**.09398**	**.09664**	**1.6147**	**.00902**	**45.224**
Stddev	.00041	.30	.00162	.00127	.0065	.00002	.158
%RSD	6.7381	.29447	1.7212	1.3105	.40109	.24666	.34904
#1	.00617	103.15	.09255	.09558	1.6082	.00904	45.079
#2	.00650	103.73	.09366	.09804	1.6212	.00903	45.393
#3	.00568	103.62	.09573	.09629	1.6147	.00900	45.201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01830**	**.08783**	**.16574**	**.19027**	**242.07**	**11.342**	**.06785**
Stddev	.00004	.00044	.00009	.00112	1.91	.047	.00125
%RSD	.20103	.50345	.05171	.59010	.78824	.41618	1.8441
#1	.01833	.08751	.16574	.18936	240.91	11.288	.06706
#2	.01830	.08766	.16582	.18994	244.27	11.368	.06720
#3	.01826	.08834	.16565	.19153	241.02	11.371	.06929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.307**	**11.092**	**.00552**	**.32671**	**.17153**	**5.8803**	**.70377**
Stddev	.189	.037	.00014	.00657	.00043	.0181	.00244
%RSD	.98084	.33048	2.5278	2.0102	.25269	.30812	.34673
#1	19.090	11.049	.00537	.33178	.17105	5.8632	.70461
#2	19.437	11.113	.00552	.31929	.17188	5.8785	.70102
#3	19.396	11.112	.00565	.32905	.17167	5.8993	.70568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082913 Acquired: 4/4/2011 19:27:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.5922**	F **255.16**	F **-12371.**	**.00977**	**.01087**	**2.4919**	**.00855**
Stddev	2.7043	1.21	71.	.00086	.00060	.0002	.00008
%RSD	75.283	.47260	.57003	8.7817	5.4995	.00971	.99169
#1	-6.6657	254.53	-12327.	.01045	.01149	2.4921	.00853
#2	-2.5337	254.41	-12333.	.00881	.01030	2.4918	.00865
#3	-1.5773	256.55	-12452.	.01005	.01083	2.4917	.00848
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27056**	**.27941**	**.00802**	**.27131**	**2.2954**	**.06782**
Stddev	.00052	.00050	.00094	.00160	.0051	.00051
%RSD	.19264	.17732	11.724	.59100	.22110	.74784
#1	.27058	.27885	.00781	.27044	2.2901	.06768
#2	.27108	.27978	.00905	.27316	2.2960	.06839
#3	.27003	.27961	.00721	.27033	2.3002	.06740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62377.**	**71510.**
Stddev	94.	811.
%RSD	.15005	1.1343
#1	62465.	72366.
#2	62387.	70753.
#3	62279.	71412.

Approved: April 05, 2011

Sample Name: L1103082914 Acquired: 4/4/2011 19:30:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**108.87**	**.09534**	**.10723**	**1.6293**	**.01022**	**32.106**
Stddev	.00045	.45	.00094	.00101	.0015	.00004	.080
%RSD	7.5061	.41495	.98463	.94395	.09442	.36979	.24964
#1	.00571	108.97	.09587	.10672	1.6310	.01021	32.125
#2	.00571	109.27	.09426	.10839	1.6280	.01019	32.176
#3	.00648	108.38	.09589	.10657	1.6288	.01026	32.019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00818**	**.19479**	**.17385**	**.15410**	**295.56**	**6.5388**	**.07890**
Stddev	.00009	.00020	.00102	.00212	.67	.0072	.00051
%RSD	1.0416	.10147	.58602	1.3763	.22767	.10948	.64722
#1	.00824	.19481	.17324	.15386	295.02	6.5430	.07845
#2	.00808	.19458	.17329	.15211	296.31	6.5429	.07945
#3	.00822	.19498	.17503	.15633	295.35	6.5306	.07881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.707**	**19.873**	**.00579**	**.36376**	**.21591**	**3.2961**	**.36593**
Stddev	.051	.024	.00010	.00418	.00219	.0257	.00471
%RSD	.27216	.11898	1.7333	1.1504	1.0135	.77961	1.2878
#1	18.722	19.883	.00589	.36570	.21432	3.2830	.36338
#2	18.748	19.891	.00569	.36662	.21502	3.2796	.36305
#3	18.650	19.846	.00578	.35895	.21841	3.3257	.37137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082914 Acquired: 4/4/2011 19:30:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.0435**	F **118.72**	F **-4970.1**	**.00924**	**.01043**	**2.1959**	**.00644**
Stddev	3.0708	.41	47.2	.00051	.00170	.0031	.00026
%RSD	50.811	.34544	.94988	5.5342	16.348	.14277	4.0229
#1	-2.9366	118.86	-4959.7	.00886	.00942	2.1972	.00623
#2	-6.1172	118.26	-4929.0	.00983	.00947	2.1924	.00673
#3	-9.0768	119.04	-5021.7	.00904	.01240	2.1983	.00636
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23437**	**.23185**	**.01533**	**.29876**	**.89138**	**.06600**
Stddev	.00071	.00106	.00035	.00191	.00077	.00043
%RSD	.30385	.45510	2.3144	.63981	.08608	.64654
#1	.23458	.23083	.01569	.29718	.89126	.06572
#2	.23495	.23179	.01498	.29822	.89219	.06579
#3	.23357	.23294	.01533	.30089	.89067	.06649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62832.**	**71572.**
Stddev	64.	539.
%RSD	.10265	.75321
#1	62796.	71149.
#2	62907.	71388.
#3	62794.	72179.

Approved: April 05, 2011

Sample Name: L1103082915 Acquired: 4/4/2011 19:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**97.088**	**.09418**	**.08655**	**1.6551**	**.00926**	**30.265**
Stddev	.00009	.519	.00053	.00088	.0032	.00001	.096
%RSD	1.5889	.53474	.55950	1.0166	.19497	.11604	.31615
#1	.00539	97.687	.09378	.08610	1.6528	.00927	30.374
#2	.00553	96.791	.09478	.08599	1.6588	.00926	30.225
#3	.00537	96.785	.09399	.08756	1.6536	.00925	30.196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01721**	**.09038**	**.16947**	**.17860**	**239.54**	**8.4192**	**.06160**
Stddev	.00010	.00043	.00098	.00113	1.40	.0121	.00122
%RSD	.60367	.47264	.58112	.63464	.58504	.14335	1.9735
#1	.01732	.09080	.17043	.17986	238.91	8.4324	.06300
#2	.01711	.09038	.16951	.17766	238.56	8.4164	.06082
#3	.01720	.08995	.16847	.17828	241.14	8.4088	.06097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.988**	**10.436**	**.00495**	**.27610**	**.15718**	**4.5187**	**.65736**
Stddev	.019	.007	.00014	.00757	.00054	.0135	.00210
%RSD	.10948	.06496	2.8623	2.7417	.34366	.29788	.31978
#1	16.990	10.438	.00503	.28302	.15689	4.5342	.65515
#2	17.005	10.442	.00504	.27725	.15780	4.5098	.65934
#3	16.968	10.429	.00479	.26802	.15684	4.5121	.65759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082915 Acquired: 4/4/2011 19:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.0193**	F **157.98**	F **-7503.3**	**.00865**	**.00974**	**2.4415**	**.00764**
Stddev	1.8956	.85	68.8	.00012	.00084	.0062	.00012
%RSD	27.006	.53790	.91643	1.3744	8.5862	.25461	1.5443
#1	-8.5206	158.95	-7529.9	.00853	.00901	2.4486	.00758
#2	-7.6480	157.64	-7554.8	.00867	.01065	2.4375	.00778
#3	-4.8891	157.36	-7425.2	.00876	.00957	2.4382	.00757
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21216**	**.28816**	**.00878**	**.27435**	**1.9311**	**.07131**
Stddev	.00094	.00111	.00129	.00029	.0026	.00032
%RSD	.44251	.38572	14.679	.10447	.13265	.44972
#1	.21304	.28769	.00777	.27408	1.9340	.07104
#2	.21117	.28736	.01023	.27465	1.9299	.07167
#3	.21227	.28943	.00834	.27431	1.9293	.07123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62777.**	**72159.**
Stddev	168.	470.
%RSD	.26696	.65106
#1	62583.	71816.
#2	62867.	71966.
#3	62880.	72695.

Approved: April 05, 2011

Sample Name: L1103082916 Acquired: 4/4/2011 19:37:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**122.10**	**.08866**	**.11198**	**1.7674**	**.01170**	**23.501**
Stddev	.00044	.28	.00070	.00662	.0019	.00003	.056
%RSD	8.1362	.23017	.78466	5.9156	.10953	.24778	.23780
#1	.00514	121.81	.08912	.10788	1.7652	.01173	23.439
#2	.00509	122.12	.08786	.10843	1.7680	.01170	23.519
#3	.00587	122.37	.08901	.11962	1.7689	.01167	23.546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00707**	**.17736**	**.20316**	**.15498**	**327.78**	**6.5099**	**.07542**
Stddev	.00013	.00034	.00106	.00223	10.57	.0086	.00056
%RSD	1.8947	.19177	.51995	1.4407	3.2254	.13214	.74487
#1	.00692	.17728	.20432	.15539	320.28	6.5006	.07485
#2	.00718	.17774	.20290	.15698	323.18	6.5115	.07545
#3	.00711	.17707	.20226	.15257	339.87	6.5175	.07597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.095**	**16.189**	**.00490**	**.32969**	**.19568**	**3.0663**	**.34750**
Stddev	.088	.027	.00027	.00656	.00115	.0300	.00339
%RSD	.51683	.16673	5.5590	1.9891	.58547	.97671	.97639
#1	16.998	16.158	.00498	.33062	.19518	3.0698	.34459
#2	17.117	16.203	.00513	.33573	.19699	3.0944	.35123
#3	17.170	16.206	.00460	.32272	.19486	3.0348	.34668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082916 Acquired: 4/4/2011 19:37:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5141**	F **93.654**	F **-3992.8**	**.00557**	**.00976**	**2.2852**	**.00711**
Stddev	1.7229	.913	35.2	.00045	.00058	.0065	.00012
%RSD	68.530	.97473	.88190	8.0309	5.9795	.28606	1.6831
#1	1.1016	93.539	-3984.3	.00590	.01042	2.2914	.00717
#2	2.0071	94.619	-4031.4	.00506	.00930	2.2857	.00720
#3	4.4336	92.805	-3962.6	.00574	.00956	2.2784	.00698
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19066**	**.25991**	**.01467**	**.34325**	**.79989**	**.07730**
Stddev	.00022	.00071	.00079	.00035	.00073	.00041
%RSD	.11385	.27332	5.3939	.10136	.09102	.53238
#1	.19044	.26073	.01378	.34357	.79905	.07725
#2	.19087	.25953	.01528	.34288	.80033	.07692
#3	.19069	.25946	.01496	.34331	.80029	.07774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62926.**	**71985.**
Stddev	113.	251.
%RSD	.18002	.34888
#1	62940.	72269.
#2	62807.	71892.
#3	63032.	71793.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 19:41:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42249**	**9.8815**	**.41197**	**.51212**	**.98230**	**.05159**	**9.8008**
Stddev	.00118	.0302	.00167	.00163	.00323	.00010	.0236
%RSD	.27817	.30581	.40609	.31925	.32866	.18548	.24118
#1	.42213	9.9140	.41065	.51204	.98146	.05154	9.8205
#2	.42154	9.8761	.41142	.51053	.98587	.05153	9.8073
#3	.42380	9.8543	.41385	.51380	.97958	.05170	9.7746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05236**	**.21103**	**.51568**	**.52230**	**4.0152**	**49.869**	**.99867**
Stddev	.00009	.00055	.00055	.00126	.0157	.061	.00237
%RSD	.17156	.25930	.10658	.24081	.39150	.12182	.23688
#1	.05236	.21096	.51527	.52290	4.0126	49.935	.99806
#2	.05227	.21052	.51546	.52086	4.0321	49.857	1.0013
#3	.05245	.21161	.51630	.52315	4.0010	49.816	.99668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.288**	**.50979**	**1.0063**	**50.252**	**.51969**	**10.085**	**.52517**
Stddev	.008	.00082	.0015	.100	.00042	.010	.00077
%RSD	.08211	.16164	.15334	.19886	.08165	.10286	.14705
#1	10.297	.51001	1.0067	50.350	.51922	10.078	.52456
#2	10.287	.51047	1.0075	50.150	.51981	10.079	.52604
#3	10.281	.50887	1.0046	50.254	.52005	10.097	.52491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 19:41:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.525**	**10.615**	F **18.573**	**1.2470**	**.41608**	**5.1126**	**1.0348**
Stddev	7.818	.039	3.590	.0005	.00293	.0147	.0023
%RSD	34.708	.36327	19.329	.03658	.70384	.28829	.22229
#1	13.702	10.583	22.688	1.2468	.41303	5.1100	1.0360
#2	25.283	10.605	16.088	1.2476	.41887	5.0994	1.0321
#3	28.589	10.658	16.941	1.2467	.41635	5.1285	1.0362
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98765**	**.99880**	**.53188**	**1.0361**	**1.0359**	**1.0086**
Stddev	.00134	.00204	.00152	.0024	.0001	.0015
%RSD	.13549	.20444	.28658	.22958	.00819	.14523
#1	.98908	.99937	.53092	1.0353	1.0360	1.0076
#2	.98644	1.0005	.53108	1.0342	1.0360	1.0079
#3	.98742	.99653	.53364	1.0388	1.0358	1.0103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63837.**	**68475.**
Stddev	98.	92.
%RSD	.15360	.13405
#1	63831.	68370.
#2	63938.	68519.
#3	63742.	68536.

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:44:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00018**	**.00012**	**.00096**	**.00029**	**.00003**	**-.01416**
Stddev	.00055	.01189	.00091	.00088	.00015	.00001	.00902
%RSD	118.58	6533.4	774.74	91.643	49.882	34.834	63.704
#1	-.00026	-.00133	.00010	-.00005	.00040	.00002	-.01376
#2	-.00005	.01276	.00104	.00137	.00036	.00004	-.00534
#3	-.00109	-.01088	-.00078	.00155	.00013	.00004	-.02337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00005**	**.00034**	**-.00023**	**.00884**	**.11231**	**-.00059**
Stddev	.00006	.00011	.00037	.00054	.00685	.02562	.00120
%RSD	254.77	204.87	106.71	238.21	77.467	22.813	204.20
#1	.00008	-.00015	.00018	-.00007	.01582	.13541	.00062
#2	.00002	.00006	.00076	.00022	.00858	.11677	-.00059
#3	-.00003	-.00007	.00009	-.00082	.00213	.08475	-.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01298**	**.00067**	**.00019**	**-.00095**	**-.00025**	**.00105**	**-.00074**
Stddev	.00149	.00019	.00012	.00853	.00015	.00115	.00082
%RSD	11.480	28.078	65.921	893.46	59.157	109.61	110.31
#1	.01228	.00076	.00004	.00027	-.00016	.00003	-.00166
#2	.01196	.00079	.00027	-.01003	-.00016	.00082	-.00049
#3	.01469	.00045	.00025	.00690	-.00041	.00230	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: CCB Acquired: 4/4/2011 19:44:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.191**	F **-.15901**	F **8.7770**	**.00048**	**.00003**	**.00156**	**-.00056**
Stddev	3.451	.02490	1.8937	.00071	.00052	.00008	.00005
%RSD	17.983	15.662	21.576	147.05	1507.7	4.8360	9.4580
#1	22.904	-.13898	10.590	.00023	.00008	.00161	-.00058
#2	18.591	-.15114	6.8116	-.00006	.00053	.00160	-.00050
#3	16.080	-.18689	8.9295	.00129	-.00051	.00148	-.00061
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00106**	**-.00124**	**.00053**	**-.00029**	**.00014**
Stddev	.00002	.00003	.00022	.00039	.00017	.00017
%RSD	85.962	3.1883	17.695	73.057	57.207	117.23
#1	.00003	-.00110	-.00109	.00035	-.00010	.00007
#2	.00004	-.00104	-.00149	.00097	-.00041	.00033
#3	.00000	-.00103	-.00113	.00026	-.00036	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65239.**	**68708.**
Stddev	121.	284.
%RSD	.18587	.41318
#1	65314.	68911.
#2	65099.	68384.
#3	65303.	68829.

Approved: April 05, 2011

Sample Name: L1103082917 Acquired: 4/4/2011 19:48:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00600**	**98.032**	**.11215**	**.09829**	**1.2765**	**.00779**	**189.60**
Stddev	.00070	.368	.00086	.00140	.0027	.00001	.68
%RSD	11.616	.37513	.76462	1.4273	.21275	.17194	.35817
#1	.00652	97.882	.11201	.09798	1.2740	.00781	189.26
#2	.00521	97.763	.11307	.09707	1.2762	.00778	189.15
#3	.00626	98.451	.11138	.09982	1.2794	.00780	190.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02425**	**.07538**	**.16292**	**.29555**	**194.25**	**11.752**	**.08581**
Stddev	.00006	.00031	.00023	.00249	.64	.013	.00062
%RSD	.24887	.40531	.14070	.84262	.33027	.11173	.72498
#1	.02419	.07502	.16267	.29271	193.58	11.744	.08628
#2	.02431	.07552	.16297	.29738	194.31	11.745	.08606
#3	.02426	.07558	.16312	.29655	194.86	11.767	.08511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.024**	**5.9604**	**.00589**	**.84169**	**.17280**	**7.5336**	**.90768**
Stddev	.078	.0107	.00012	.00616	.00084	.0116	.00040
%RSD	.37211	.17978	2.0596	.73203	.48686	.15408	.04390
#1	20.934	5.9532	.00600	.84262	.17186	7.5285	.90722
#2	21.063	5.9552	.00591	.83511	.17348	7.5253	.90795
#3	21.075	5.9727	.00576	.84733	.17306	7.5469	.90786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082917 Acquired: 4/4/2011 19:48:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.043**	F **424.08**	F **-13908.**	**.01095**	**.00978**	**2.1252**	**.01184**
Stddev	7.510	.92	44.	.00136	.00073	.0016	.00011
%RSD	74.780	.21657	.31496	12.460	7.4851	.07500	.92330
#1	-16.846	423.06	-13865.	.00962	.01023	2.1239	.01173
#2	-1.9844	424.33	-13907.	.01235	.00894	2.1246	.01195
#3	-11.297	424.84	-13953.	.01089	.01018	2.1270	.01185
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4264**	**.22601**	**.00466**	**.21474**	**2.8182**	**.04969**
Stddev	.0040	.00073	.00062	.00017	.0023	.00033
%RSD	.28262	.32463	13.209	.07708	.08246	.66405
#1	1.4269	.22686	.00526	.21464	2.8161	.04975
#2	1.4221	.22562	.00403	.21464	2.8178	.04934
#3	1.4301	.22556	.00470	.21493	2.8207	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61497.**	**71488.**
Stddev	85.	157.
%RSD	.13837	.21905
#1	61401.	71401.
#2	61562.	71395.
#3	61528.	71669.

Approved: April 05, 2011

Sample Name: L1103082918 Acquired: 4/4/2011 19:51:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**104.26**	**.09295**	**.09122**	**1.1340**	**.00930**	**38.091**
Stddev	.00032	.29	.00120	.00139	.0053	.00004	.130
%RSD	8.7146	.27641	1.2877	1.5291	.47058	.39263	.34019
#1	.00357	103.93	.09224	.08987	1.1281	.00931	37.948
#2	.00396	104.49	.09434	.09265	1.1385	.00933	38.200
#3	.00334	104.34	.09229	.09115	1.1352	.00926	38.125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01117**	**.07995**	**.17457**	**.19937**	**227.15**	**7.5799**	**.08124**
Stddev	.00001	.00029	.00100	.00052	2.51	.0322	.00119
%RSD	.11022	.36640	.57067	.25834	1.1040	.42461	1.4703
#1	.01118	.08005	.17497	.19926	224.61	7.5685	.08029
#2	.01117	.08018	.17530	.19994	229.62	7.6162	.08084
#3	.01115	.07962	.17343	.19893	227.22	7.5549	.08258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.257**	**4.9437**	**.00655**	**1.1854**	**.18587**	**7.3310**	**.42570**
Stddev	.138	.0045	.00006	.0021	.00021	.0060	.00146
%RSD	.68305	.09120	.86708	.17410	.11337	.08188	.34232
#1	20.104	4.9402	.00660	1.1877	.18567	7.3255	.42449
#2	20.374	4.9488	.00654	1.1838	.18585	7.3374	.42732
#3	20.293	4.9420	.00649	1.1846	.18609	7.3300	.42529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082918 Acquired: 4/4/2011 19:51:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.079**	F **151.62**	F **-6741.9**	**.00797**	**.00827**	**2.2615**	**.00699**
Stddev	4.008	.76	15.0	.00158	.00111	.0072	.00012
%RSD	39.766	.50358	.22292	19.775	13.358	.31828	1.7680
#1	-13.576	151.48	-6753.8	.00924	.00768	2.2635	.00709
#2	-5.7052	152.44	-6725.0	.00846	.00955	2.2674	.00703
#3	-10.956	150.93	-6746.9	.00621	.00759	2.2535	.00685
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23365**	**.20600**	**.00594**	**.23845**	**1.3322**	**.05128**
Stddev	.00052	.00047	.00085	.00156	.0032	.00014
%RSD	.22220	.22644	14.320	.65586	.24112	.27242
#1	.23425	.20575	.00626	.23773	1.3293	.05129
#2	.23340	.20570	.00497	.24025	1.3357	.05142
#3	.23331	.20653	.00658	.23738	1.3316	.05114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63218.**	**72622.**
Stddev	210.	459.
%RSD	.33294	.63268
#1	63237.	72739.
#2	62999.	72115.
#3	63418.	73012.

Approved: April 05, 2011

Sample Name: L1103082919 Acquired: 4/4/2011 19:55:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**96.433**	**.09557**	**.08576**	**1.8209**	**.00939**	**407.66**
Stddev	.00035	.394	.00087	.00116	.0024	.00005	4.99
%RSD	6.6490	.40888	.90732	1.3579	.12944	.55619	1.2233
#1	.00525	96.349	.09655	.08518	1.8215	.00934	404.54
#2	.00491	96.863	.09488	.08710	1.8228	.00939	413.41
#3	.00561	96.088	.09529	.08500	1.8183	.00945	405.03
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01590**	**.06231**	**.15066**	**.21513**	**204.25**	**6.6229**	**.08022**
Stddev	.00002	.00012	.00131	.00092	.38	.0334	.00021
%RSD	.13257	.19966	.86666	.42770	.18779	.50494	.26011
#1	.01588	.06244	.14916	.21497	204.21	6.6199	.08003
#2	.01592	.06230	.15155	.21430	204.66	6.6577	.08044
#3	.01590	.06219	.15127	.21612	203.89	6.5910	.08018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.069**	**7.8293**	**.00470**	**.67194**	**.16603**	**5.5868**	**.60016**
Stddev	.099	.0232	.00026	.00465	.00140	.0149	.00571
%RSD	.39436	.29585	5.5479	.69251	.84608	.26664	.95215
#1	25.028	7.8235	.00456	.66699	.16605	5.5751	.59695
#2	25.181	7.8548	.00454	.67622	.16461	5.5818	.59677
#3	24.996	7.8096	.00500	.67261	.16742	5.6036	.60676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082919 Acquired: 4/4/2011 19:55:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.7715**	F **600.20**	F **-11102.**	**.01018**	**.01071**	**3.3008**	**.01075**
Stddev	3.6920	3.28	70.	.00073	.00075	.0113	.00026
%RSD	47.507	.54730	.63215	7.1842	6.9785	.34155	2.3743
#1	-11.683	596.95	-11032.	.01029	.00999	3.2904	.01047
#2	-4.3469	600.14	-11101.	.01085	.01064	3.3128	.01082
#3	-7.2849	603.52	-11172.	.00940	.01148	3.2993	.01096
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9794**	**.21127**	**.00594**	**.24678**	**2.5210**	**.05828**
Stddev	.0065	.00070	.00091	.00200	.0098	.00024
%RSD	.32990	.33078	15.289	.81159	.38802	.40565
#1	1.9799	.21156	.00699	.24502	2.5114	.05806
#2	1.9856	.21178	.00539	.24635	2.5207	.05825
#3	1.9726	.21048	.00544	.24896	2.5309	.05853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**60433.**	**70710.**
Stddev	283.	704.
%RSD	.46835	.99622
#1	60715.	70638.
#2	60436.	70043.
#3	60149.	71447.

Approved: April 05, 2011

Sample Name: L1103082920 Acquired: 4/4/2011 19:58:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**111.39**	**.06839**	**.08627**	**1.4899**	**.00966**	**147.86**
Stddev	.00004	.93	.00187	.00148	.0083	.00004	.97
%RSD	1.1012	.83281	2.7415	1.7140	.55422	.38163	.65847
#1	.00361	110.52	.07002	.08735	1.4805	.00965	146.92
#2	.00360	111.28	.06634	.08458	1.4938	.00963	147.81
#3	.00368	112.37	.06881	.08687	1.4956	.00970	148.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.07658**	**.15588**	**.15363**	**234.72**	**5.8215**	**.07499**
Stddev	.00003	.00028	.00086	.00082	1.78	.0513	.00238
%RSD	.28569	.35954	.55076	.53330	.75670	.88109	3.1750
#1	.00952	.07638	.15495	.15271	236.15	5.7624	.07248
#2	.00951	.07648	.15605	.15426	232.74	5.8485	.07722
#3	.00947	.07690	.15665	.15394	235.28	5.8537	.07527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.004**	**7.1038**	**.00582**	**.83870**	**.15536**	**3.7714**	**.35023**
Stddev	.084	.0226	.00008	.01317	.00026	.0007	.00156
%RSD	.44084	.31852	1.3295	1.5708	.16680	.01792	.44627
#1	18.936	7.0905	.00581	.82396	.15548	3.7712	.34849
#2	18.977	7.0910	.00574	.84932	.15554	3.7722	.35152
#3	19.097	7.1299	.00590	.84283	.15506	3.7708	.35068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082920 Acquired: 4/4/2011 19:58:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.2222**	F **255.43**	F **-6340.3**	**.00660**	**.00793**	**2.2733**	**.00657**
Stddev	2.8070	.17	14.4	.00268	.00148	.0017	.00032
%RSD	38.867	.06682	.22716	40.580	18.709	.07306	4.8628
#1	-4.0913	255.26	-6340.2	.00447	.00854	2.2752	.00668
#2	-9.5140	255.45	-6326.0	.00573	.00901	2.2724	.00622
#3	-8.0613	255.60	-6354.8	.00961	.00624	2.2723	.00683
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71020**	**.18118**	**.00749**	**.25791**	**.99201**	**.05510**
Stddev	.00263	.00156	.00049	.00051	.00121	.00011
%RSD	.36965	.85940	6.4961	.19921	.12192	.19731
#1	.70793	.17942	.00768	.25740	.99074	.05512
#2	.70961	.18239	.00786	.25790	.99314	.05498
#3	.71308	.18172	.00694	.25843	.99216	.05520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**61825.**	**71981.**
Stddev	29.	450.
%RSD	.04662	.62499
#1	61805.	71943.
#2	61858.	72448.
#3	61812.	71551.

Approved: April 05, 2011

Sample Name: L1103082921 Acquired: 4/4/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**102.27**	**.10149**	**.09379**	**1.1147**	**.00786**	**26.785**
Stddev	.00010	.15	.00095	.00159	.0002	.00003	.041
%RSD	1.6909	.14823	.93125	1.6998	.01902	.44336	.15246
#1	.00593	102.36	.10243	.09556	1.1146	.00787	26.816
#2	.00587	102.36	.10150	.09331	1.1149	.00788	26.801
#3	.00607	102.10	.10054	.09249	1.1145	.00782	26.739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01720**	**.09154**	**.14165**	**.17821**	**235.42**	**10.935**	**.07740**
Stddev	.00015	.00073	.00052	.00131	.95	.028	.00125
%RSD	.84535	.79223	.36719	.73545	.40449	.25779	1.6101
#1	.01704	.09073	.14203	.17670	236.40	10.912	.07622
#2	.01723	.09173	.14185	.17887	235.38	10.966	.07870
#3	.01732	.09214	.14105	.17905	234.50	10.927	.07728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.841**	**8.9800**	**.00872**	**.41753**	**.17917**	**4.9738**	**.72774**
Stddev	.025	.0063	.00019	.00443	.00056	.0088	.00486
%RSD	.13163	.07028	2.1580	1.0622	.31002	.17720	.66773
#1	18.839	8.9744	.00853	.41718	.17891	4.9694	.72264
#2	18.866	8.9869	.00871	.42213	.17880	4.9681	.72826
#3	18.817	8.9788	.00891	.41328	.17981	4.9840	.73231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082921 Acquired: 4/4/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.1327**	F **177.97**	F **-8928.4**	**.01012**	**.01076**	**2.2398**	**.00789**
Stddev	5.6429	.70	54.2	.00131	.00360	.0025	.00005
%RSD	264.59	.39496	.60744	12.892	33.516	.11246	.68369
#1	-.93470	177.16	-8868.8	.00873	.01035	2.2376	.00784
#2	-8.2785	178.32	-8941.5	.01031	.01455	2.2393	.00795
#3	2.8150	178.43	-8974.9	.01132	.00737	2.2426	.00790
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18766**	**.23289**	**.00791**	**.21392**	**2.0472**	**.04254**
Stddev	.00034	.00131	.00028	.00028	.0030	.00047
%RSD	.17991	.56407	3.5081	.12938	.14650	1.1088
#1	.18777	.23440	.00770	.21361	2.0450	.04283
#2	.18792	.23223	.00823	.21404	2.0459	.04280
#3	.18728	.23203	.00781	.21413	2.0506	.04200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63314.**	**72020.**
Stddev	156.	220.
%RSD	.24586	.30571
#1	63483.	71766.
#2	63282.	72134.
#3	63176.	72160.

Approved: April 05, 2011

Sample Name: L1103082922 Acquired: 4/4/2011 20:05:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**113.39**	**.04458**	**.12344**	**.87770**	**.00930**	**10.949**
Stddev	.00034	1.15	.00130	.00142	.00158	.00004	.077
%RSD	8.1788	1.0155	2.9185	1.1532	.18037	.48209	.70657
#1	.00437	114.05	.04609	.12276	.87813	.00935	10.989
#2	.00421	112.06	.04388	.12248	.87595	.00928	10.860
#3	.00372	114.05	.04379	.12508	.87903	.00927	10.999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.17045**	**.16664**	**.13193**	**351.70**	**4.8004**	**.07683**
Stddev	.00011	.00020	.00091	.00072	2.95	.0120	.00093
%RSD	2.1861	.11643	.54537	.54804	.83780	.25057	1.2086
#1	.00517	.17068	.16769	.13274	351.17	4.8090	.07693
#2	.00501	.17033	.16613	.13134	349.05	4.7867	.07586
#3	.00523	.17034	.16610	.13172	354.88	4.8056	.07771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.483**	**15.897**	**.00585**	**.59029**	**.15692**	**2.8113**	**.20558**
Stddev	.107	.074	.00014	.00144	.00045	.0024	.00104
%RSD	.68784	.46412	2.3703	.24322	.28945	.08372	.50614
#1	15.494	15.930	.00574	.59147	.15688	2.8139	.20464
#2	15.371	15.812	.00601	.58869	.15648	2.8093	.20670
#3	15.583	15.948	.00580	.59071	.15739	2.8108	.20541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082922 Acquired: 4/4/2011 20:05:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7107**	F **81.462**	F **-4044.4**	**.00497**	**.01144**	**1.9936**	**.00570**
Stddev	3.1704	.285	13.7	.00257	.00309	.0028	.00023
%RSD	116.96	.34974	.33814	51.632	27.006	.14051	4.0522
#1	-.94633	81.578	-4055.3	.00224	.01499	1.9954	.00568
#2	4.6851	81.137	-4029.0	.00734	.00999	1.9904	.00594
#3	4.3933	81.670	-4048.8	.00533	.00935	1.9951	.00548
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09317**	**.18543**	**.01321**	**.22183**	**.58885**	**.03833**
Stddev	.00085	.00125	.00087	.00043	.00031	.00035
%RSD	.91161	.67657	6.5850	.19299	.05287	.90398
#1	.09379	.18625	.01326	.22228	.58918	.03853
#2	.09220	.18399	.01405	.22143	.58882	.03793
#3	.09353	.18605	.01231	.22178	.58856	.03853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**62914.**	**71078.**
Stddev	166.	667.
%RSD	.26385	.93888
#1	62750.	70576.
#2	63082.	71836.
#3	62910.	70824.

Approved: April 05, 2011

Sample Name: L1103082923 Acquired: 4/4/2011 20:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00592**	**99.483**	**.08145**	**.08278**	**1.4843**	**.00860**	**33.822**
Stddev	.00020	1.086	.00093	.00189	.0106	.00001	.291
%RSD	3.3799	1.0920	1.1375	2.2788	.71521	.09656	.86067
#1	.00615	98.232	.08042	.08067	1.4721	.00860	33.491
#2	.00577	100.03	.08172	.08338	1.4895	.00859	33.939
#3	.00585	100.18	.08222	.08430	1.4914	.00860	34.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01693**	**.07956**	**.14817**	**.16344**	**206.43**	**7.8242**	**.06262**
Stddev	.00005	.00034	.00011	.00028	1.69	.0705	.00125
%RSD	.27365	.42898	.07556	.17171	.82033	.90074	1.9979
#1	.01688	.07917	.14829	.16317	204.50	7.7432	.06175
#2	.01692	.07973	.14816	.16373	207.18	7.8582	.06406
#3	.01697	.07979	.14807	.16343	207.63	7.8713	.06206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.595**	**7.0017**	**.00846**	**.51958**	**.14566**	**4.4863**	**.64300**
Stddev	.139	.0235	.00002	.00484	.00010	.0034	.00279
%RSD	.74572	.33592	.23275	.93060	.06753	.07459	.43426
#1	18.437	6.9761	.00844	.51412	.14555	4.4837	.64094
#2	18.697	7.0224	.00845	.52130	.14568	4.4901	.64618
#3	18.651	7.0064	.00848	.52333	.14575	4.4852	.64189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011

Sample Name: L1103082923 Acquired: 4/4/2011 20:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.9451**	F **201.43**	F **-9923.0**	**.00922**	**.00859**	**2.1864**	**.00802**
Stddev	3.4866	.87	50.7	.00159	.00215	.0095	.00019
%RSD	50.201	.43023	.51061	17.271	25.005	.43360	2.3984
#1	-10.692	200.60	-9883.2	.00740	.00735	2.1796	.00794
#2	-6.3474	201.37	-9905.7	.00992	.00735	2.1823	.00824
#3	-3.7961	202.33	-9980.0	.01035	.01107	2.1972	.00788
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25156**	**.25950**	**.00615**	**.24645**	**1.8752**	**.05425**
Stddev	.00143	.00143	.00104	.00110	.0035	.00010
%RSD	.56928	.55261	16.857	.44652	.18747	.18118
#1	.24991	.25800	.00564	.24711	1.8758	.05417
#2	.25240	.26086	.00546	.24517	1.8784	.05436
#3	.25238	.25963	.00734	.24705	1.8714	.05421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63027.**	**71641.**
Stddev	43.	244.
%RSD	.06787	.34009
#1	62983.	71922.
#2	63068.	71500.
#3	63031.	71500.

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 20:12:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42907**	**9.8428**	**.41659**	**.51833**	**.98224**	**.05241**	**9.8206**
Stddev	.00341	.0279	.00041	.00254	.00433	.00013	.0345
%RSD	.79474	.28317	.09725	.48931	.44054	.23864	.35164
#1	.42517	9.8322	.41693	.51541	.97784	.05229	9.7971
#2	.43055	9.8218	.41668	.51952	.98238	.05239	9.8045
#3	.43150	9.8744	.41614	.52004	.98649	.05254	9.8603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05279**	**.21339**	**.52206**	**.52673**	**3.9798**	**49.780**	**1.0004**
Stddev	.00009	.00026	.00108	.00035	.0198	.079	.0031
%RSD	.16689	.12044	.20761	.06679	.49731	.15953	.30818
#1	.05270	.21363	.52092	.52710	3.9579	49.696	.99760
#2	.05281	.21312	.52308	.52670	3.9853	49.792	.99991
#3	.05287	.21343	.52217	.52640	3.9963	49.853	1.0037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.142**	**.50601**	**1.0072**	**50.415**	**.52064**	**10.182**	**.52722**
Stddev	.049	.00108	.0009	.140	.00056	.014	.00037
%RSD	.47879	.21383	.09293	.27706	.10764	.13566	.07101
#1	10.086	.50485	1.0066	50.397	.52067	10.167	.52695
#2	10.169	.50620	1.0068	50.284	.52007	10.190	.52765
#3	10.171	.50699	1.0083	50.562	.52119	10.191	.52707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: April 05, 2011

Sample Name: CCV Acquired: 4/4/2011 20:12:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.1930**	**10.593**	F **16.680**	**1.2603**	**.41973**	**5.1669**	**1.0397**
Stddev	6.4103	.081	1.149	.0015	.00289	.0015	.0010
%RSD	152.88	.76758	6.8873	.11630	.68919	.02960	.09409
#1	-1.6256	10.645	15.580	1.2588	.41797	5.1652	1.0390
#2	11.065	10.636	17.872	1.2618	.41815	5.1681	1.0393
#3	3.1399	10.500	16.587	1.2604	.42307	5.1674	1.0408
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99428**	**1.0013**	**.53431**	**1.0502**	**1.0353**	**1.0238**
Stddev	.00287	.0025	.00071	.0047	.0006	.0044
%RSD	.28837	.25276	.13320	.44665	.06228	.43379
#1	.99527	1.0001	.53465	1.0450	1.0349	1.0193
#2	.99105	.99961	.53479	1.0516	1.0349	1.0282
#3	.99652	1.0042	.53349	1.0540	1.0360	1.0238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value						
Range						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**63319.**	**70453.**
Stddev	159.	543.
%RSD	.25104	.77091
#1	63428.	71065.
#2	63392.	70030.
#3	63137.	70262.

Approved: April 05, 2011

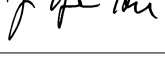
Sample Name: CCB Acquired: 4/4/2011 20:16:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**-.00189**	**.00010**	**.00077**	**.00008**	**.00001**	**-.00998**
Stddev	.00007	.01244	.00088	.00025	.00011	.00002	.00672
%RSD	11.185	657.62	907.75	32.103	134.61	400.40	67.327
#1	-.00056	-.00444	.00100	.00074	-.00001	.00000	-.00696
#2	-.00056	-.01287	.00005	.00102	.00021	.00003	-.00530
#3	-.00067	.01163	-.00076	.00053	.00005	-.00001	-.01768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00005**	**.00010**	**-.00001**	**.00685**	**.11017**	**.00003**
Stddev	.00006	.00013	.00018	.00003	.00594	.01697	.00162
%RSD	167.47	238.15	182.31	446.78	86.741	15.407	5970.7
#1	.00009	.00010	.00005	.00002	.00399	.11626	.00115
#2	.00005	.00015	.00031	-.00004	.01368	.12326	-.00183
#3	-.00003	-.00009	-.00005	.00000	.00288	.09099	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**-.00003**	**-.00009**	**.00622**	**.00030**	**.00051**	**.00045**
Stddev	.00681	.00022	.00011	.00805	.00021	.00279	.00025
%RSD	127.06	660.77	116.65	129.34	70.133	545.48	54.113
#1	.00447	-.00022	-.00005	-.00074	.00011	.00155	.00044
#2	.01256	.00021	-.00001	.01503	.00026	.00262	.00071
#3	-.00096	-.00010	-.00022	.00438	.00052	-.00265	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 05, 2011



Sample Name: CCB Acquired: 4/4/2011 20:16:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1313) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.443**	F **-.14654**	F **10.645**	**.00018**	**.00079**	**.00071**	**-.00078**
Stddev	4.792	.02661	4.045	.00147	.00098	.00042	.00006
%RSD	41.878	18.161	38.003	799.10	124.18	58.702	7.9778
#1	16.961	-.11584	7.5743	-.00134	.00164	.00070	-.00080
#2	9.0345	-.16085	9.1321	.00030	-.00028	.00114	-.00072
#3	8.3327	-.16295	15.229	.00159	.00100	.00030	-.00084
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00055**	**-.00073**	**.00014**	**-.00036**	**.00011**
Stddev	.00004	.00066	.00099	.00009	.00005	.00011
%RSD	76.536	119.84	136.19	66.625	14.853	102.98
#1	-.00001	-.00105	.00041	.00015	-.00036	.00006
#2	-.00007	.00020	-.00117	.00004	-.00041	.00023
#3	-.00008	-.00082	-.00143	.00022	-.00030	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**65437.**	**71100.**
Stddev	18.	959.
%RSD	.02677	1.3489
#1	65425.	69998.
#2	65457.	71748.
#3	65430.	71553.

Approved: April 05, 2011

2.1.2 Metals ICP-MS Data

2.1.2.1 Summary Data

Login Number: L11040067

Department: Metals

Analyst: Ji Hu

METHOD

Preparation: SW-846 3015

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360750 - All acceptance criteria were met.

Matrix Spikes: WG360750 - Sample 01 was chosen by the client for MS/MSD analysis. Samples 02(MS) and 03(MSD) met all acceptance criteria.

SAMPLES

Samples: WG360750 - Due to the high levels of nontarget analytes, all client samples were analyzed at dilutions for all analytes.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 24903
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040067

04/06/11 14:54

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4111-SS-DUP	L11040067-01	6020	5	04-APR-11
SWMU-57-4111-SS-MS	L11040067-02	6020	5	04-APR-11
SWMU-57-4111-SS-MSD	L11040067-03	6020	5	04-APR-11

Microbac Laboratories Inc.

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	**L11040067-01**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-4111-SS-DUP**	Prep Method:	**3051A**	Prep Date:	**04/04/2011 13:14**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**04/04/2011 10:32**
Workgroup Number:	**WG360750**	Analyst:	**EDL**	Run Date:	**04/04/2011 16:25**
Collect Date:	**04/01/2011 12:00**	Dilution:	**5**	File ID:	**EL.040411.162554**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**		**U**	**0.657**	**0.328**
Chromium, Total	**7440-47-3**	**27.6**		**2.63**	**1.31**

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	**L11040067-02**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-4111-SS-MS**	Prep Method:	**3051A**	Prep Date:	**04/04/2011 13:14**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**04/04/2011 10:32**
Workgroup Number:	**WG360750**	Analyst:	**EDL**	Run Date:	**04/04/2011 16:32**
Collect Date:	**04/01/2011 12:00**	Dilution:	**5**	File ID:	**EL.040411.163259**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**	**11.6**		**0.657**	**0.328**
Chromium, Total	**7440-47-3**	**40.2**		**2.63**	**1.31**

Microbac Laboratories Inc.

Report Number: **L11040067**
Report Date : **April 6, 2011**

Sample Number:	**L11040067-03**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-4111-SS-MSD**	Prep Method:	**3051A**	Prep Date:	**04/04/2011 13:14**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**04/04/2011 10:32**
Workgroup Number:	**WG360750**	Analyst:	**EDL**	Run Date:	**04/04/2011 16:40**
Collect Date:	**04/01/2011 12:00**	Dilution:	**5**	File ID:	**EL.040411.164004**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**75.8**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**	**12.3**		**0.657**	**0.328**
Chromium, Total	**7440-47-3**	**41.4**		**2.63**	**1.31**

2.1.2.2 QC Summary Data

Example 6020 Calculations
Perkin Elmer ELAN 6100

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	100
Vi = Initial volume	40
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/L)	0.25

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	200
Vi = Initial volume	0.5
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/kg)	40

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	40
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	50

50 ug/kg = 0.050 mg/kg

Perkin Elmer ELAN ICP/MS

STANDARDS KEY

QC Std 1 - ICV
QC Std 2 - ICB
QC Std 3 - LLICV
QC Std 4 - ICSA
QC Std 5 - ICSAB
QC Std 6 - CCV
QC Std 7 - CCB
QC Std 8 - LLCCV

Calibration Solutions

Analyte	Stock Conc. (mg/L)	S1 (mg/L)	S2 (mg/L)	S3 (mg/L)	S4 (mg/L)
Al	10	0	0.0004	0.05	0.1
Sb	10	0	0.0004	0.05	0.1
As	10	0	0.0004	0.05	0.1
Ba	10	0	0.0004	0.05	0.1
Be	10	0	0.0004	0.05	0.1
Ca	1000	0	0.04	5	10
Cd	10	0	0.0004	0.05	0.1
Cr	10	0	0.0004	0.05	0.1
Co	10	0	0.0004	0.05	0.1
Cu	10	0	0.0004	0.05	0.1
Fe	1000	0	0.04	5	10
Pb	10	0	0.0004	0.05	0.1
Mg	1000	0	0.04	5	10
Mn	10	0	0.0004	0.05	0.1
Ni	10	0	0.0004	0.05	0.1
K	1000	0	0.04	5	10
Se	10	0	0.0004	0.05	0.1
Ag	10	0	0.0004	0.05	0.1
Na	1000	0	0.04	5	10
Tl	10	0	0.0004	0.05	0.1
V	10	0	0.0004	0.05	0.1
U	1000	0	0.0004	0.05	0.1
Zn	10	0	0.0004	0.05	0.1

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360724
Analyst: VC
Spike Analyst: VC
Run Date: 04/04/2011 13:14
Method: 3051A
Balance: BAL013
Instrument: MW-2

SOP: ME406 Revison 12
Spike Solution: STD41894
Spike Witness: REK
HNO3 Lot #: COA15353
Digestion Tubes Lot #: COA15342

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360724-02	BLANK	7	.5 g	200 mL	173.512 g	173.506 g		
2	WG360724-03	LCS	7	.5 g	200 mL	175.254 g	175.252 g	.5 mL	
3	L11040066-01	SAMP	7	.515 g	200 mL	174.575 g	174.568 g		04/05/11
4	L11040066-02	SAMP	7	.517 g	200 mL	173.941 g	173.934 g		04/05/11
5	L11040066-03	SAMP	7	.507 g	200 mL	174.549 g	174.543 g		04/05/11
6	L11040066-04	SAMP	7	.526 g	200 mL	173.073 g	173.069 g		04/05/11
7	L11040066-05	SAMP	7	.507 g	200 mL	173.807 g	173.808 g		04/05/11
8	L11040066-06	SAMP	7	.521 g	200 mL	173.773 g	173.768 g		04/05/11
9	L11040066-07	SAMP	7	.523 g	200 mL	173.451 g	173.447 g		04/05/11
10	L11040066-08	SAMP	7	.501 g	200 mL	175.787 g	175.783 g		04/05/11
11	WG360724-01	REF	7	.502 g	200 mL	174.152 g	174.151 g		
12	L11040067-01	RS01	7	.502 g	200 mL	174.152 g	174.151 g		04/11/11
13	WG360724-04	MS	7	.502 g	200 mL	176.17 g	176.166 g	.5 mL	
14	L11040067-02	MS01	7	.502 g	200 mL	176.17 g	176.166 g	.5 mL	04/11/11
15	WG360724-05	MSD	7	.502 g	200 mL	174.826 g	174.823 g	.5 mL	
16	L11040067-03	SD01	7	.502 g	200 mL	174.826 g	174.823 g	.5 mL	04/11/11

Analyst: Vicki Collins

Reviewer:

MW_DIG - Modified 09/30/2009
PDF ID: 1963045
Report generated: 04/04/2011 14:34

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040411A.REP
Analyst1: JYH Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 369155

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360706,360707,360676,360750

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.040411.100552	Blank	Blank		1		04/04/11 10:05
2	EL.040411.101236	WG360790-01	Calibration Point		1		04/04/11 10:12
3	EL.040411.101921	WG360790-02	Calibration Point		1		04/04/11 10:19
4	EL.040411.102606	WG360790-03	Calibration Point		1		04/04/11 10:26
5	EL.040411.103252	WG360790-04	Calibration Point		1		04/04/11 10:32
6	EL.040411.103938	WG360790-05	Initial Calibration Verification		1		04/04/11 10:39
7	EL.040411.104642	WG360790-06	Initial Calib Blank		1		04/04/11 10:46
8	EL.040411.105349	WG360790-07	Low Level Initial Calibration V		1		04/04/11 10:53
9	EL.040411.110058	WG360790-08	Interference Check		1		04/04/11 11:00
10	EL.040411.110806	WG360790-09	Interference Check		1		04/04/11 11:08
11	EL.040411.111514	WG360790-10	CCV		1		04/04/11 11:15
12	EL.040411.112220	WG360790-11	CCB		1		04/04/11 11:22
13	EL.040411.113109	WG360683-01	Method/Prep Blank	.5/200	1		04/04/11 11:31
14	EL.040411.113818	WG360683-02	Laboratory Control S	.5/200	1		04/04/11 11:38
15	EL.040411.114525	WG360683-03	Laboratory Control S	.5/200	1		04/04/11 11:45
16	EL.040411.115230	L11030742-04	MAPEP-11-MAS24	.512/200	10		04/04/11 11:52
17	EL.040411.115935	WG360706-01	Post Digestion Spike		10	L11030742-04	04/04/11 11:59
18	EL.040411.120641	WG360706-02	Serial Dilution		50	L11030742-04	04/04/11 12:06
19	EL.040411.121348	WG360790-12	CCV		1		04/04/11 12:13
20	EL.040411.122054	WG360790-13	CCB		1		04/04/11 12:20
21	EL.040411.122759	WG360675-01	Method/Prep Blank	.5/200	1		04/04/11 12:27
22	EL.040411.123506	WG360675-02	Laboratory Control S	.5/200	1		04/04/11 12:35
23	EL.040411.124213	WG360675-03	Laboratory Control S	.5/200	1		04/04/11 12:42
24	EL.040411.124920	L11030742-04	MAPEP-11-MAS24	.512/200	10		04/04/11 12:49
25	EL.040411.125627	WG360707-01	Post Digestion Spike		10	L11030742-04	04/04/11 12:56
26	EL.040411.130335	WG360707-02	Serial Dilution		50	L11030742-04	04/04/11 13:03
27	EL.040411.131043	WG360790-14	CCV		1		04/04/11 13:10
28	EL.040411.131749	WG360790-15	CCB		1		04/04/11 13:17
29	EL.040411.132508	WG360653-02	Method/Prep Blank	40/100	1		04/04/11 13:25
30	EL.040411.133213	WG360540-01	Fluid Blank		1		04/04/11 13:32
31	EL.040411.133918	WG360592-01	Fluid Blank		1		04/04/11 13:39
32	EL.040411.134623	WG360653-04	Filter Blank		1		04/04/11 13:46
33	EL.040411.135329	WG360653-03	Laboratory Control S	40/100	1		04/04/11 13:53
34	EL.040411.140035	L11031046-02	60500-SSP0082		5		04/04/11 14:00

Page: 1 Approved: April 05, 2011

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040411A.REP
Analyst1: JYH Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 369155

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360706,360707,360676,360750

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	EL.040411.140742	L11031047-02	60500-C0058		5		04/04/11 14:07
36	EL.040411.141449	WG360676-01	Post Digestion Spike		5	L11031047-02	04/04/11 14:14
37	EL.040411.142156	WG360676-02	Serial Dilution		25	L11031047-02	04/04/11 14:21
38	EL.040411.142903	WG360790-16	CCV		1		04/04/11 14:29
39	EL.040411.143609	WG360790-17	CCB		1		04/04/11 14:36
40	EL.040411.144315	WG360653-01	Reference Sample		1	L11031041-02	04/04/11 14:43
41	EL.040411.145023	WG360653-05	Matrix Spike	40/100	1	L11031041-02	04/04/11 14:50
42	EL.040411.145729	WG360653-06	Matrix Spike Duplica	40/100	1	L11031041-02	04/04/11 14:57
43	EL.040411.150531	L11031046-02	60500-SSP0082	40/100	1		04/04/11 15:05
44	EL.040411.151238	L11031047-02	60500-C0058	40/100	1		04/04/11 15:12
45	EL.040411.151944	WG360676-01	Post Digestion Spike		1	L11031047-02	04/04/11 15:19
46	EL.040411.152652	WG360676-02	Serial Dilution		5	L11031047-02	04/04/11 15:26
47	EL.040411.153359	WG360790-18	CCV		1		04/04/11 15:33
48	EL.040411.154105	WG360790-19	CCB		1		04/04/11 15:41
49	EL.040411.155304	WG360724-02	Method/Prep Blank	.5/200	1		04/04/11 15:53
50	EL.040411.160926	WG360724-03	Laboratory Control S	.5/200	1		04/04/11 16:09
51	EL.040411.161630	WG360724-01	Reference Sample		1	L11040067-01	04/04/11 16:16
52	EL.040411.162554	WG360724-01	Reference Sample		5	L11040067-01	04/04/11 16:25
53	EL.040411.163259	WG360724-04	Matrix Spike	.502/200	5	L11040067-01	04/04/11 16:32
54	EL.040411.164004	WG360724-05	Matrix Spike Duplica	.502/200	5	L11040067-01	04/04/11 16:40
55	EL.040411.164709	WG360750-01	Post Digestion Spike		5	L11040067-01	04/04/11 16:47
56	EL.040411.165415	WG360750-02	Serial Dilution		25	L11040067-01	04/04/11 16:54
57	EL.040411.170122	WG360790-20	CCV		1		04/04/11 17:01
58	EL.040411.170828	WG360790-21	CCB		1		04/04/11 17:08
59	EL.040411.171533	L11040066-01	SWMU-57-4111-SS-4'-SW-6	.515/200	5		04/04/11 17:15
60	EL.040411.172239	L11040066-02	SWMU-57-4111-SS-1'-SW-7	.517/200	5		04/04/11 17:22
61	EL.040411.172946	L11040066-03	SWMU-57-4111-SS-FC-2'-NU	.507/200	5		04/04/11 17:29
62	EL.040411.173653	L11040066-04	SWMU-57-4111-SS-7'-SW-8	.526/200	5		04/04/11 17:36
63	EL.040411.174401	L11040066-05	SWMU-57-4111-SS-7'-SW-9	.507/200	5		04/04/11 17:44
64	EL.040411.175109	L11040066-06	SWMU-57-4111-SS-15'-FC-N	.521/200	5		04/04/11 17:51
65	EL.040411.175816	L11040066-07	SWMU-57-4111-SS-7.5'-SW-	.523/200	5		04/04/11 17:58
66	EL.040411.180522	L11040066-08	SWMU-57-4211-SS-7.5'-SW-	.501/200	5		04/04/11 18:05
67	EL.040411.181230	WG360790-22	CCV		1		04/04/11 18:12
68	EL.040411.181936	WG360790-23	CCB		1		04/04/11 18:19

Page: 2 Approved: April 05, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040411A.REP
Analyst1: JYH Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 369155

Calibration Std: STD44462 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44532 ICSAB: STD44533 Int. Std: STD44465
CCV: STD44692 LLCCV: STD44536

Workgroups: 360706,360707,360676,360750

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	EL.040411.182641	L11031014-01	SEPTIC TANK	40/100	5		04/04/11 18:26
70	EL.040411.183346	L11031014-02	SEPTIC TANK	40/100	5		04/04/11 18:33
71	EL.040411.184052	L11031036-01	MW-1	40/100	1		04/04/11 18:40
72	EL.040411.184758	L11031036-02	MW-2A	40/100	1		04/04/11 18:47
73	EL.040411.185504	L11031036-03	MW-4	40/100	1		04/04/11 18:55
74	EL.040411.190211	L11031041-01	MW-23-101	40/100	1		04/04/11 19:02
75	EL.040411.190918	L11031041-03	EB032911	40/100	1		04/04/11 19:09
76	EL.040411.191626	L11040034-36	ORG-SO1-259-14	40/100	1		04/04/11 19:16
77	EL.040411.192333	L11040034-38	ORG-SO2-259-14	40/100	1		04/04/11 19:23
78	EL.040411.193041	WG360790-24	CCV		1		04/04/11 19:30
79	EL.040411.193747	WG360790-25	CCB		1		04/04/11 19:37
80	EL.040411.194454	WG360790-26	Low Level Continuing Calibra		1		04/04/11 19:44
81	EL.040411.195201	L11030742-04	MAPEP-11-MAS24	.512/200	2		04/04/11 19:52
82	EL.040411.195908	L11030742-04	MAPEP-11-MAS24	.512/200	2		04/04/11 19:59
83	EL.040411.200615	WG360790-27	CCV		1		04/04/11 20:06
84	EL.040411.201321	WG360790-28	CCB		1		04/04/11 20:13

  Approved: April 05, 2011

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 04-APR-2011
Analyst: JYH
Analyst: NA
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 360790
Runlog ID: 39833
Analytical Workgroups: 360706,360707,360676,360750

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	X
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	041
Level 4	742,041,046,047,066,067
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
05-APR-2011

Secondary Reviewer:
05-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-05-2011 13:29:23

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6020 AAB#: WG360750

Login Number: L11040067

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-4111-SS-DUP	01	04/01/11					04/04/11	3.1	180		04/04/11	3.2	180	
SWMU-57-4111-SS-MS	02	04/01/11					04/04/11	3.1	180		04/04/11	3.2	180	
SWMU-57-4111-SS-MSD	03	04/01/11					04/04/11	3.1	180		04/04/11	3.2	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1963339
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11040067
Work Group: WG360750
Blank File ID: EL.040411.155304
Blank Sample ID: WG360724-02
Prep Date: 04/04/11 13:14
Instrument ID: ELAN-ICP
Analyzed Date: 04/04/11 15:53
Method: 6020
Analyst: EDL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360724-03	EL.040411.160926	04/04/11 16:09	01
SWMU-57-4111-SS-DUP	L11040067-01	EL.040411.162554	04/04/11 16:25	DL01
SWMU-57-4111-SS-MS	L11040067-02	EL.040411.163259	04/04/11 16:32	DL01
SWMU-57-4111-SS-MSD	L11040067-03	EL.040411.164004	04/04/11 16:40	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1963340
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040067 Prep Date: 04/04/11 13:14 Sample ID: WG360724-02
Instrument ID: ELAN-ICP Run Date: 04/04/11 15:53 Prep Method: 3051A
File ID: EL.040411.155304 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360750 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ELAN-I-04-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Cadmium, Total	0.0500	0.100	0.0500	1	U
Chromium, Total	0.200	0.400	0.200	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1963341
05-APR-2011 07:51

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360724-03
Instrument ID: ELAN-ICP Run Time: 16:09 Prep Method: 3051A
File ID: EL.040411.160926 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360750 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-04-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Cadmium, Total	10.0	10.4	104	80 - 120	
Chromium, Total	10.0	11.6	116	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1963342
Report generated: 04/05/2011 07:51

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11040067 Cal ID:ELAN-ICP- 04-APR-11 Worknum:WG360750
Instrument ID:ELAN-ICP Contract #: Prep Method:3051A
Parent ID:L11040067-01 File ID:EL.040411.162554 Dil:5 Method:6020
Sample ID:L11040067-02 MS File ID:EL.040411.163259 Dil:5 Matrix:Soil
Sample ID:L11040067-03 MSD File ID:EL.040411.164004 Dil:5 Units:mg/kg
Percent Solid:75.8

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Cadmium, Total	U	13.1	11.6	88.6	13.1	12.3	93.4	5.27	80 - 120	20	
Chromium, Total	27.6	13.1	40.2	95.6	13.1	41.4	105	2.92	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1963343
Report generated 04/06/2011 14:23

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040067 **Worknum:** WG360750
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG360750-02 **File ID:** EL.040411.165415 **Dil:** 25 **Units:** ug/L
Sample: L11040067-01 **File ID:** EL.040411.162554 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Cadmium	ND	U	ND	U		
Chromium	52.5	X	55.75	X	6.19	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1963337
04/05/2011 07:51

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040067 **Worknum:** WG360750
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG360750-01 **File ID:** EL.040411.164709 **Dil:** 5 **Units:** ug/L
Sample ID: L11040067-01 **File ID:** EL.040411.162554 **Dil:** 5 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
CADMIUM	51.3		0	U	50	102.7	75 - 125	
CHROMIUM	62.2		10.5		50	103.5	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1963355
Report generated: 04/05/2011 07:51

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040067**	Workgroup (AAB#):	**WG360750**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG360790**	Initial Calibration Date:	**04-APR-2011 10:32**

	WG360790-01		WG360790-02		WG360790-03		WG360790-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
CADMIUM	0	-2.14	.4	546	50	70100	100	134000	.999987	
CHROMIUM	0	10700	.4	14200	50	417000	100	772000	.999933	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-06
Instrument ID: ELAN-ICP Run Time: 10:46 Method: 6020
File ID: EL.040411.104642 Analyst: EDL Units: ug/L
Workgroup (AAB#): WG360750 Cal ID: ELAN-ICP - 04-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
CADMIUM	.125	.25	.125	U
CHROMIUM	.5	1	.5	U

U = Result is less than 2 x MDL

F = Result is between MDL and 2 x MDL

* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1963350
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040067	Run Date:	04/04/2011	Sample ID:	WG360790-11
Instrument ID:	ELAN-ICP	Run Time:	11:22	Method:	6020
File ID:	EL.040411.112220	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963353
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040067	Run Date:	04/04/2011	Sample ID:	WG360790-19
Instrument ID:	ELAN-ICP	Run Time:	15:41	Method:	6020
File ID:	EL.040411.154105	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963353
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040067	Run Date:	04/04/2011	Sample ID:	WG360790-21
Instrument ID:	ELAN-ICP	Run Time:	17:08	Method:	6020
File ID:	EL.040411.170828	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360750	Cal ID:	ELAN-I - 04-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1963353
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-05

Instrument ID: ELAN-ICP Run Time: 10:39 Method: 6020

File ID: EL.040411.103938 Analyst: EDL Units: ug/L

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Cadmium		50	50.0	100	90 - 110	
Chromium		50	50.1	100	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1963349

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-10

Instrument ID: ELAN-ICP Run Time: 11:15 Method: 6020

File ID: EL.040411.111514 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	51.4	ug/L	103	90 - 110		
Chromium		50.0	50.2	ug/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963352

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-18

Instrument ID: ELAN-ICP Run Time: 15:33 Method: 6020

File ID: EL.040411.153359 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	48.9	ug/L	97.8	90 - 110		
Chromium		50.0	47.2	ug/L	94.4	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963352

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-20

Instrument ID: ELAN-ICP Run Time: 17:01 Method: 6020

File ID: EL.040411.170122 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.9	ug/L	102	90 - 110		
Chromium		50.0	48.3	ug/L	96.6	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1963352

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-07

Instrument ID: ELAN-ICP Run Time: 10:53 Method: 6020

File ID: EL.040411.105349 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.209	ug/L	105	80 - 120		
Chromium		0.800	0.821	ug/L	103	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1963357

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040067 Run Date: 04/04/2011 Sample ID: WG360790-26

Instrument ID: ELAN-ICP Run Time: 19:44 Method: 6020

File ID: EL.040411.194454 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360750 Cal ID: ELAN-I - 04-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.219	ug/L	110	80 - 120		
Chromium		0.800	0.800	ug/L	100	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1963357

Report generated 04/05/2011 07:51

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040067 **Workgroup (AAB#):** WG360750
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG360790-08 **File ID:** EL.040411.110058 **Units:** ug/L
Sol. AB : WG360790-09 **File ID:** EL.040411.110806 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Cadmium	NS	0.0893	NS	100	103	103	
Chromium	NS	0.0537	NS	100	97.1	97.1	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

ICS - Modified 03/06/2008
PDF File ID: 1963351
Report generated 04/05/2011 07:51

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11040067 **Analytical Method** 6020
Analytical Workgroup: WG360750 **Matrix:** 7
Instrument: ELAN-ICP **Analyst:** EDL
ICAL Date: 04-APR-2011 10:12

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11040067-01	SAMP	04-APR-2011 16:25	97.442	93.078	88.329	89.593
L11040067-02	SAMP	04-APR-2011 16:32	97.756	93.096	87.779	89.629
L11040067-03	SAMP	04-APR-2011 16:40	96.356	93.688	88.255	89.6
WG360724-02	BLANK	04-APR-2011 15:53	100.055	87.464	87.117	91.395
WG360724-03	LCS	04-APR-2011 16:09	100.234	85.933	88.948	93.477
WG360750-01	PSPK	04-APR-2011 16:47	98.267	94.203	89.562	90.82
WG360750-02	SERIAL	04-APR-2011 16:54	96.349	94.306	89.209	89.622
WG360790-05	ICV	04-APR-2011 10:39	101.069	96.101	98.27	101.273
WG360790-06	ICB	04-APR-2011 10:46	99.963	96.456	97.835	99.626
WG360790-07	LLICV	04-APR-2011 10:53	100.598	98.549	99.48	100.806
WG360790-08	ICS	04-APR-2011 11:00	97.465	95.692	95.707	95.522
WG360790-09	ICS	04-APR-2011 11:08	97.687	90.828	85.543	90.107
WG360790-10	CCV	04-APR-2011 11:15	100.058	95.643	95.838	98.354
WG360790-11	CCB	04-APR-2011 11:22	100.142	96.374	97.235	98.242
WG360790-18	CCV	04-APR-2011 15:33	96.812	85.184	85.161	89.908
WG360790-19	CCB	04-APR-2011 15:41	97.645	85.407	86.048	90.171
WG360790-20	CCV	04-APR-2011 17:01	93.588	93.203	89.828	91.938
WG360790-21	CCB	04-APR-2011 17:08	93.812	94.337	90.461	91.787
WG360790-26	LLCCV	04-APR-2011 19:44	97.898	92.614	90.179	91.019

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1963347
Report generated: 04/05/2011 07:51

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040067 **Date:** 12/07/2010
Insturment ID: ELAN-ICP **Method:** 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Barium	1.00	100.0
Cadmium	1.00	100.0
Chromium	1.00	100.0
Cobalt	1.00	100.0
Copper	1.00	100.0
Lead	1.00	100.0
Manganese	1.00	100.0
Nickel	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0
Uranium	1.00	100.0
Vanadium	1.00	100.0
Zinc	1.00	100.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1963345
Report generated: 04/05/2011 07:51

2.1.2.3 Raw Data

Instrument Tuning Report

File Name: 06302008.tun
File Path: C:\Elandata\Tuning\06302008.tun

Sample Information

Sample Date/Time: Monday, April 04, 2011 09:24:02

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.026	616	2060	0.744	
Li	7.016	7.029	1583	2060	0.712	
Co	58.933	58.979	14283	1990	0.665	
Ce	139.905	139.928	33995	2025	0.684	
Tl	204.975	204.926	49689	2255	0.709	

Relative Std. Dev.

Mass	Meas. Intens. RSD
2.000	0.597
3.000	0.842
4.000	34.632
5.000	16.443
6.000	0.925
7.000	1.983
8.000	23.463
9.000	2.411
58.000	2.190
59.000	1.350
60.000	8.294
139.000	3.567
140.000	0.788
141.000	12.529
204.000	1.421
205.000	0.776
206.000	1.281

Report Date/Time: Monday, April 04, 2011 09:25:13
Page 1

Approved: April 05, 2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, April 04, 2011 09:27:23
Sample Description:
Method File: C:\Elandata\Method\6020 DAILY.mth
Dataset File: C:\elandata\Dataset\032811\Sample.455
Tuning File: C:\Elandata\Tuning\06302008.tun
Optimization File: C:\elandata\Optimize\Default.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 50
Current Dead Time (ns): 50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	63402.8	63402.765	348.837	0.6
	Rh	102.9	283484.9	283484.870	1090.153	0.4
	In	114.9	613526.6	613526.571	1615.660	0.3
	Pb	208.0	228196.3	228196.281	1406.999	0.6
	U	238.1	23.1	23.100	4.350	18.8
⌈>	Ba	137.9	326597.1	326597.080	915.169	0.3
⌊	Ba++	69.0	5507.9	0.017	0.000	0.9
⌈>	Ce	139.9	329059.3	329059.336	1337.562	0.4
⌊	CeO	155.9	8403.0	0.026	0.001	2.9
	Bkgd	220.0	12.5	12.500	1.225	9.8
	Ar2	79.9	6515052.7	6515052.691	31745.817	0.5

Current Optimization File Data

Current Value	Description
0.98	Nebulizer Gas Flow
6.40	Lens Voltage
1500.00	ICP RF Power
-1862.50	Analog Stage Voltage
1000.00	Pulse Stage Voltage
20.00	Discriminator Threshold
-10.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	33	5.3	3999.5
Co	59	33	6.0	120809.0
Rh	103	33	6.8	174421.7
Pb	208	33	7.8	173459.1

Sample ID: Sample
Report Date/Time: Monday, April 04, 2011 09:29:31
Page 1

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: Blank

Sample Date/Time: Monday, April 04, 2011 10:05:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20754.939					ug/L
|	Be	9	7.333					ug/L
|	Al	27	2066.889					ug/L
|>	Sc	45	189699.302					ug/L
⌈	Ti	49	43.338					ug/L
|	V	51	3058.334					ug/L
|	Cr	52	10327.768					ug/L
|	Cr	53	396.714					ug/L
|	Mn	55	427.013					ug/L
|	Co	59	122.335					ug/L
|	Ni	60	109.335					ug/L
|	Cu	65	83.001					ug/L
|	Zn	66	170.003					ug/L
|>	Ge	72	375388.964					ug/L
|	As	75	-224.068					ug/L
|	Se	77	106.667					ug/L
|	Se	82	4.055					ug/L
⌊	Rb	85	20.667					mg/L
	Y	89	263064.801					ug/L
	Rh	103	16.667					ug/L
⌈	Mo	98	15.575					ug/L
|	Ag	107	29.667					ug/L
|	Cd	114	1.732					ug/L
|>	In	115	367824.735					ug/L
|	Sn	118	124.801					ug/L
⌊	Sb	123	20.529					ug/L
⌈	Ba	135	35.334					ug/L
|	Ce	140	23.336					ug/L
⌊>	Tb	159	429892.178					ug/L
⌈	Ho	165	13.335					ug/L
|	Tl	203	45.667					ug/L
|	Tl	205	66.674					ug/L
|	Pb	206	336.342					ug/L
|	Pb	207	285.674					ug/L
|	Pb	208	1311.380					ug/L
|	U	238	16.334					ug/L
⌊>	Bi	209	382786.439					ug/L

Sample ID: Blank
Report Date/Time: Monday, April 04, 2011 10:08:03
Page 1

Approved: April 05, 2011

Na	23	10690.130		mg/L
Mg	24	123.346		mg/L
K	39	408962.521		mg/L
Ca	43	330.039		mg/L
Fe	54	47135.579		mg/L
Fe	57	9368.664		mg/L
Sc-1	45	189699.302		mg/L
Cl	35	25998.430		mg/L
Kr	83	70.334		mg/L
Br	81	10328.001		mg/L
P	31	9661.359		mg/L
S	34	153526.638		mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					
Na	23					

Sample ID: Blank
Report Date/Time: Monday, April 04, 2011 10:08:03
Page 2

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Blank
Report Date/Time: Monday, April 04, 2011 10:08:03
Page 3

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Monday, April 04, 2011 10:12:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20270.544	-0.00				ug/L
|	Be	9	8.667	0.00				ug/L
|	Al	27	1900.184	-0.00				ug/L
|>	Sc	45	189683.366	189683.37				ug/L
⌈	Ti	49	73.341	0.00				ug/L
|	V	51	3272.278	0.00				ug/L
|	Cr	52	10703.166	0.00				ug/L
|	Cr	53	490.061	0.00				ug/L
|	Mn	55	479.683	0.00				ug/L
|	Co	59	149.003	0.00				ug/L
|	Ni	60	130.002	0.00				ug/L
|	Cu	65	106.335	0.00				ug/L
|	Zn	66	178.003	0.00				ug/L
|>	Ge	72	386393.861	386393.86				ug/L
|	As	75	-267.327	-0.00				ug/L
|	Se	77	87.334	-0.00				ug/L
|	Se	82	-7.365	-0.00				ug/L
⌊	Rb	85	27.000	0.00				mg/L
	Y	89	265878.055	2813.25				ug/L
	Rh	103	18.334	1.67				ug/L
⌈	Mo	98	19.059	0.00				ug/L
|	Ag	107	28.334	-0.00				ug/L
|	Cd	114	-2.141	-0.00				ug/L
|>	In	115	369972.873	369972.87				ug/L
|	Sn	118	118.534	-0.00				ug/L
⌊	Sb	123	42.821	0.00				ug/L
⌈	Ba	135	31.000	-0.00				ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	437657.205	437657.21				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	36.334	-0.00				ug/L
|	Tl	205	63.340	-0.00				ug/L
|	Pb	206	331.342	-0.00				ug/L
|	Pb	207	303.008	0.00				ug/L
|	Pb	208	1347.716	0.00				ug/L
|	U	238	19.334	0.00				ug/L
⌊>	Bi	209	387073.268	387073.27				ug/L

Approved: April 05, 2011

⌈	Na	23	10970.453	0.00		mg/L
|	Mg	24	150.016	0.00		mg/L
|	K	39	412708.402	0.02		mg/L
|	Ca	43	310.036	-0.00		mg/L
|	Fe	54	46588.920	-0.00		mg/L
|	Fe	57	9161.785	-0.00		mg/L
⌊>	Sc-1	45	189683.366	189683.37		mg/L
	Cl	35	21390.854	-4607.58		mg/L
	Kr	83	80.334	10.00		mg/L
	Br	81	10905.282	577.28		mg/L
	P	31	9498.523	-162.84		mg/L
	S	34	156777.107	3250.47		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Monday, April 04, 2011 10:19:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18867.799	-0.01				ug/L
|	Be	9	116.001	0.00				ug/L
|	Al	27	4551.045	0.01				ug/L
|>	Sc	45	189738.521	189738.52				ug/L
⌈	Ti	49	520.066	0.00				ug/L
|	V	51	7250.344	0.01				ug/L
|	Cr	52	14172.177	0.01				ug/L
|	Cr	53	736.768	0.00				ug/L
|	Mn	55	5936.488	0.01				ug/L
|	Co	59	4440.697	0.01				ug/L
|	Ni	60	1037.398	0.00				ug/L
|	Cu	65	1038.398	0.00				ug/L
|	Zn	66	863.713	0.00				ug/L
|>	Ge	72	378970.963	378970.96				ug/L
|	As	75	194.700	0.00				ug/L
|	Se	77	138.668	0.00				ug/L
|	Se	82	39.012	0.00				ug/L
⌊	Rb	85	50.334	0.00				mg/L
	Y	89	265050.377	1985.58				ug/L
	Rh	103	13.000	-3.67				ug/L
⌈	Mo	98	2674.553	0.01				ug/L
|	Ag	107	2816.425	0.01				ug/L
|	Cd	114	546.227	0.00				ug/L
|>	In	115	362155.079	362155.08				ug/L
|	Sn	118	2100.221	0.01				ug/L
⌊	Sb	123	1838.509	0.01				ug/L
⌈	Ba	135	735.034	0.00				ug/L
|	Ce	140	30.003	0.00				ug/L
|>	Tb	159	425459.887	425459.89				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	3087.174	0.01				ug/L
|	Tl	205	7693.728	0.02				ug/L
|	Pb	206	2779.747	0.01				ug/L
|	Pb	207	2542.015	0.01				ug/L
|	Pb	208	11464.711	0.03				ug/L
|	U	238	16466.044	0.04				ug/L
|>	Bi	209	382721.070	382721.07				ug/L

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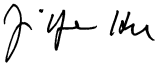

⌈	Na	23	233460.611	1.18		mg/L
|	Mg	24	153318.364	0.81		mg/L
|	K	39	741590.488	1.76		mg/L
|	Ca	43	973.478	0.00		mg/L
|	Fe	54	73966.402	0.14		mg/L
|	Fe	57	19658.025	0.05		mg/L
⌊>	Sc-1	45	189738.521	189738.52		mg/L
	Cl	35	20386.765	-5611.66		mg/L
	Kr	83	75.334	5.00		mg/L
	Br	81	10741.768	413.77		mg/L
	P	31	9936.969	275.61		mg/L
	S	34	158575.546	5048.91		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
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Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Monday, April 04, 2011 10:26:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18734.266	-0.01				ug/L
|	Be	9	14814.299	0.08	50.0000	1.784	3.569	ug/L
|	Al	27	297665.275	1.60	50.0000	1.688	3.376	ug/L
⌊>	Sc	45	184996.697	184996.70				ug/L
⌈	Ti	49	60022.370	0.16	100.0000	2.630	2.630	ug/L
|	V	51	485535.740	1.31	50.0000	0.378	0.755	ug/L
|	Cr	52	416699.609	1.10	50.0000	0.366	0.732	ug/L
|	Cr	53	49316.271	0.13	50.0000	1.066	2.131	ug/L
|	Mn	55	635418.987	1.72	50.0000	0.573	1.147	ug/L
|	Co	59	500122.772	1.36	50.0000	0.723	1.445	ug/L
|	Ni	60	105282.733	0.29	50.0000	0.735	1.470	ug/L
|	Cu	65	111459.236	0.30	50.0000	0.383	0.766	ug/L
|	Zn	66	65323.025	0.18	50.0000	0.574	1.148	ug/L
|>	Ge	72	368944.244	368944.24				ug/L
|	As	75	61480.127	0.17	50.0000	0.210	0.419	ug/L
|	Se	77	5089.295	0.01	50.0000	0.537	1.074	ug/L
|	Se	82	6159.073	0.02	50.0000	0.666	1.332	ug/L
⌊	Rb	85	2370.972	0.01				mg/L
	Y	89	260872.299	-2192.50				ug/L
	Rh	103	44.667	28.00				ug/L
⌈	Mo	98	326532.286	0.88	100.0000	1.088	1.088	ug/L
|	Ag	107	341544.423	0.92	50.0000	0.829	1.657	ug/L
|	Cd	114	70072.377	0.19	50.0000	1.424	2.848	ug/L
|>	In	115	369725.225	369725.22				ug/L
|	Sn	118	253014.133	0.68	50.0000	0.173	0.346	ug/L
⌊	Sb	123	220803.519	0.60	50.0000	0.109	0.217	ug/L
⌈	Ba	135	90444.760	0.21	50.0000	0.506	1.013	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	435224.633	435224.63				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	370657.935	0.98	50.0000	0.591	1.182	ug/L
|	Tl	205	911716.890	2.41	50.0000	0.541	1.081	ug/L
|	Pb	206	300636.199	0.79	50.0000	0.153	0.307	ug/L
|	Pb	207	284641.376	0.75	50.0000	0.033	0.065	ug/L
|	Pb	208	1262554.619	3.33	50.0000	0.298	0.596	ug/L
|	U	238	2009467.223	5.31	50.0000	0.279	0.557	ug/L
⌊>	Bi	209	378735.814	378735.81				ug/L

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⌈	Na	23	25626469.678	138.64	5.0000	0.323	6.469	mg/L
|	Mg	24	17276897.014	93.48	5.0000	0.235	4.692	mg/L
|	K	39	35049971.040	187.38	5.0000	0.136	2.724	mg/L
|	Ca	43	85092.319	0.46	5.0000	0.132	2.636	mg/L
|	Fe	54	3034583.426	16.17	5.0000	0.156	3.113	mg/L
|	Fe	57	1254440.777	6.74	5.0000	0.154	3.080	mg/L
⌊>	Sc-1	45	184996.697	184996.70				mg/L
	Cl	35	19673.336	-6325.09				mg/L
	Kr	83	68.334	-2.00				mg/L
	Br	81	10379.387	51.39				mg/L
	P	31	9812.817	151.46				mg/L
	S	34	175438.433	21911.80				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
\>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
\>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 3
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Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Monday, April 04, 2011 10:32:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	18801.085	-0.00				ug/L
|	Be	9	28492.534	0.16	100.2014	3.963	3.955	ug/L
|	Al	27	541128.039	3.05	97.6008	6.053	6.202	ug/L
⌊>	Sc	45	177190.822	177190.82				ug/L
⌜	Ti	49	112210.853	0.32	197.3749	6.075	3.078	ug/L
|	V	51	905661.132	2.55	98.7143	1.052	1.066	ug/L
|	Cr	52	772335.416	2.15	98.8558	0.878	0.888	ug/L
|	Cr	53	89985.590	0.25	97.6158	2.725	2.792	ug/L
|	Mn	55	1181576.910	3.33	98.4289	0.449	0.456	ug/L
|	Co	59	935336.991	2.64	98.7027	1.383	1.401	ug/L
|	Ni	60	196624.553	0.55	98.6544	0.691	0.700	ug/L
|	Cu	65	207084.347	0.58	98.3871	0.530	0.539	ug/L
|	Zn	66	125146.140	0.35	100.0124	0.526	0.526	ug/L
|>	Ge	72	354216.995	354216.99				ug/L
|	As	75	114302.967	0.32	98.2769	1.389	1.413	ug/L
|	Se	77	8952.006	0.02	96.0691	2.705	2.816	ug/L
|	Se	82	11152.097	0.03	97.0363	1.090	1.123	ug/L
⌊	Rb	85	4485.051	0.01				mg/L
	Y	89	240273.059	-22791.74				ug/L
	Rh	103	67.668	51.00				ug/L
⌜	Mo	98	590994.122	1.69	195.5783	1.757	0.899	ug/L
|	Ag	107	639170.666	1.83	99.4550	0.245	0.246	ug/L
|	Cd	114	133958.308	0.38	100.5153	3.156	3.140	ug/L
|>	In	115	349809.718	349809.72				ug/L
|	Sn	118	478028.861	1.37	99.9363	1.166	1.167	ug/L
⌊	Sb	123	425324.725	1.22	100.8999	0.122	0.121	ug/L
⌜	Ba	135	173655.254	0.41	99.0803	0.723	0.730	ug/L
|	Ce	140	76.675	0.00				ug/L
⌊>	Tb	159	425673.054	425673.05				ug/L
⌜	Ho	165	13.335	0.00				ug/L
|	Tl	203	728896.630	1.97	100.2599	1.540	1.536	ug/L
|	Tl	205	1782301.442	4.81	99.9631	0.853	0.853	ug/L
|	Pb	206	589999.586	1.59	100.1790	0.832	0.830	ug/L
|	Pb	207	557177.110	1.50	100.0516	2.476	2.475	ug/L
|	Pb	208	2474727.519	6.68	100.1145	1.076	1.075	ug/L
|	U	238	3907507.944	10.55	99.6978	1.777	1.783	ug/L
⌊>	Bi	209	370540.295	370540.30				ug/L

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⌈	Na	23	49477630.858	279.31	10.0376	0.225	2.239	mg/L
|	Mg	24	33676000.287	190.22	10.0875	0.388	3.844	mg/L
|	K	39	67138126.630	377.16	10.0353	0.444	4.429	mg/L
|	Ca	43	153125.415	0.86	9.6990	0.445	4.587	mg/L
|	Fe	54	5594178.624	31.37	9.8511	0.548	5.565	mg/L
|	Fe	57	2348815.468	13.22	9.9052	0.326	3.296	mg/L
⌊>	Sc-1	45	177190.822	177190.82				mg/L
	Cl	35	18233.276	-7765.15				mg/L
	Kr	83	74.334	4.00				mg/L
	Br	81	9359.054	-968.95				mg/L
	P	31	9298.333	-363.03				mg/L
	S	34	175213.034	21686.40				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
Report Date/Time: Monday, April 04, 2011 10:35:04

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Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Monday, April 04, 2011 10:39:38
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18817.698	-0.01				ug/L
|	Be	9	14649.393	0.08	48.2372	1.635	3.390	ug/L
|	Al	27	295746.430	1.55	49.6931	0.155	0.311	ug/L
⌊>	Sc	45	189225.185	189225.18				ug/L
⌈	Ti	49	56508.192	0.16	97.5644	1.444	1.480	ug/L
|	V	51	463975.019	1.28	49.4906	0.831	1.679	ug/L
|	Cr	52	403962.734	1.09	50.1296	0.183	0.365	ug/L
|	Cr	53	46331.715	0.13	49.1830	0.909	1.848	ug/L
|	Mn	55	603769.550	1.67	49.3552	0.559	1.133	ug/L
|	Co	59	482295.265	1.34	49.9502	0.475	0.951	ug/L
|	Ni	60	101690.137	0.28	50.0552	0.507	1.012	ug/L
|	Cu	65	106992.083	0.30	49.8812	0.214	0.429	ug/L
|	Zn	66	64795.910	0.18	50.7220	0.147	0.290	ug/L
| >	Ge	72	360750.932	360750.93				ug/L
|	As	75	58228.307	0.16	49.2735	0.508	1.030	ug/L
|	Se	77	4829.833	0.01	50.4212	1.163	2.306	ug/L
|	Se	82	5775.168	0.02	49.3779	0.554	1.122	ug/L
⌊	Rb	85	2266.946	0.01				mg/L
	Y	89	249826.888	-13237.91				ug/L
	Rh	103	33.000	16.33				ug/L
⌈	Mo	98	311943.690	0.86	99.8790	0.761	0.762	ug/L
|	Ag	107	328978.396	0.91	49.5268	0.699	1.412	ug/L
|	Cd	114	68848.256	0.19	49.9917	0.950	1.901	ug/L
| >	In	115	361461.169	361461.17				ug/L
|	Sn	118	246263.097	0.68	49.8098	0.509	1.023	ug/L
⌊	Sb	123	216415.692	0.60	49.6741	0.501	1.009	ug/L
⌈	Ba	135	89037.202	0.20	49.6594	0.384	0.772	ug/L
|	Ce	140	60.006	0.00				ug/L
⌊>	Tb	159	435365.724	435365.72				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	372901.198	0.96	49.1203	0.730	1.487	ug/L
|	Tl	205	932984.692	2.41	50.1135	1.119	2.232	ug/L
|	Pb	206	303144.396	0.78	49.2691	0.418	0.848	ug/L
|	Pb	207	284549.036	0.73	48.9068	0.598	1.223	ug/L
|	Pb	208	1261393.231	3.26	48.8455	0.225	0.460	ug/L
|	U	238	2054641.302	5.31	50.2018	1.045	2.081	ug/L
⌊>	Bi	209	386877.254	386877.25				ug/L

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Na	23	26027222.279	137.61	4.9440	0.203	4.114	mg/L
Mg	24	17293804.758	91.50	4.8507	0.220	4.529	mg/L
K	39	33696310.526	176.17	4.6837	0.265	5.660	mg/L
Ca	43	80605.047	0.42	4.7683	0.093	1.944	mg/L
Fe	54	2898498.493	15.08	4.7342	0.165	3.490	mg/L
Fe	57	1218585.139	6.40	4.7937	0.196	4.093	mg/L
Sc-1	45	189225.185	189225.18				mg/L
Cl	35	17649.563	-8348.87				mg/L
Kr	83	68.668	-1.67				mg/L
Br	81	9390.410	-937.59				mg/L
P	31	9809.509	148.15				mg/L
S	34	177935.597	24408.96				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9	96.474				
Al	27	99.386				
Sc	45					
Ti	49	97.564				
V	51	98.981				
Cr	52	100.259				
Cr	53					
Mn	55	98.710				
Co	59	99.900				
Ni	60	100.110				
Cu	65	99.762				
Zn	66	101.444				
Ge	72		96.101			
As	75	98.547				
Se	77					
Se	82	98.756				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.054				
Cd	114	99.983				
In	115		98.270			
Sn	118					
Sb	123	99.348				
Ba	135	99.319				
Ce	140					
Tb	159		101.273			
Ho	165					
Tl	203	98.241				
Tl	205					
Pb	206					
Pb	207					
Pb	208	97.691				
U	238	100.404				
Bi	209		101.069			
Na	23	98.881				

Sample ID: QC Std 1
Report Date/Time: Monday, April 04, 2011 10:41:49

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|	Mg	24	97.013
|	K	39	93.673
|	Ca	43	95.365
|	Fe	54	94.685
|	Fe	57	95.873
|>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Monday, April 04, 2011 10:46:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19318.651	-0.00				ug/L
|	Be	9	11.333	0.00	0.0579	0.011	18.424	ug/L
|	Al	27	2116.898	0.00	-0.0045	0.083	1832.067	ug/L
⌊>	Sc	45	183365.967	183365.97				ug/L
⌈	Ti	49	56.673	0.00	0.0427	0.043	101.230	ug/L
|	V	51	3096.471	0.00	-0.0099	0.005	51.736	ug/L
|	Cr	52	10211.647	0.00	-0.0225	0.016	72.466	ug/L
|	Cr	53	426.719	0.00	0.1048	0.048	45.351	ug/L
|	Mn	55	384.345	-0.00	-0.0312	0.003	10.651	ug/L
|	Co	59	147.336	0.00	-0.0230	0.001	4.943	ug/L
|	Ni	60	95.001	-0.00	-0.0403	0.006	15.777	ug/L
|	Cu	65	95.001	0.00	-0.0172	0.006	32.903	ug/L
|	Zn	66	207.004	0.00	-0.0846	0.011	12.743	ug/L
|>	Ge	72	362084.597	362084.60				ug/L
|	As	75	-174.863	0.00	0.0973	0.017	17.251	ug/L
|	Se	77	77.334	-0.00	-0.1851	0.161	86.835	ug/L
|	Se	82	13.081	0.00	0.1944	0.029	15.158	ug/L
⌊	Rb	85	19.667	-0.00				mg/L
	Y	89	252328.760	-10736.04				ug/L
	Rh	103	12.000	-4.67				ug/L
⌈	Mo	98	360.731	0.00	0.0606	0.020	32.598	ug/L
|	Ag	107	57.334	0.00	-0.0147	0.002	11.115	ug/L
|	Cd	114	9.512	0.00	0.0113	0.004	37.248	ug/L
|>	In	115	359860.414	359860.41				ug/L
|	Sn	118	448.677	0.00	0.0670	0.004	5.256	ug/L
⌊	Sb	123	82.950	0.00	-0.0023	0.003	145.756	ug/L
⌈	Ba	135	38.000	0.00	0.0019	0.003	148.444	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	428284.774	428284.77				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	67.334	0.00	-0.0022	0.001	24.893	ug/L
|	Tl	205	193.355	0.00	-0.0073	0.001	11.128	ug/L
|	Pb	206	358.343	0.00	0.0017	0.003	144.402	ug/L
|	Pb	207	303.341	0.00	0.0107	0.002	22.495	ug/L
|	Pb	208	1447.056	0.00	0.0075	0.001	13.482	ug/L
|	U	238	259.339	0.00	-0.0003	0.001	443.526	ug/L
⌊>	Bi	209	382646.373	382646.37				ug/L

Sample ID: QC Std 2
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⌈	Na	23	14722.325	0.02	-0.0015	0.000	10.040	mg/L
|	Mg	24	1747.006	0.01	-0.0025	0.000	6.698	mg/L
|	K	39	422839.367	0.15	-0.0030	0.001	20.667	mg/L
|	Ca	43	310.036	-0.00	0.0010	0.003	291.595	mg/L
|	Fe	54	45658.344	0.00	-0.0046	0.002	34.926	mg/L
|	Fe	57	8097.423	-0.01	-0.0045	0.001	23.440	mg/L
⌊>	Sc-1	45	183365.967	183365.97				mg/L
	Cl	35	16952.362	-9046.07				mg/L
	Kr	83	67.334	-3.00				mg/L
	Br	81	9894.228	-433.77				mg/L
	P	31	9565.918	-95.44				mg/L
	S	34	171292.602	17765.96				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.456			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.835			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.626			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.963			
⌈	Na	23					

Sample ID: QC Std 2
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Monday, April 04, 2011 10:53:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19769.575	-0.01				ug/L
|	Be	9	9.333	0.00	0.0487	0.013	27.213	ug/L
|	Al	27	3467.273	0.01	0.1867	0.066	35.258	ug/L
⌊>	Sc	45	197924.056	197924.06				ug/L
⌈	Ti	49	56.673	0.00	0.0407	0.035	86.254	ug/L
|	V	51	7112.421	0.01	0.4037	0.011	2.668	ug/L
|	Cr	52	17221.322	0.02	0.8207	0.029	3.521	ug/L
|	Cr	53	1106.839	0.00	0.8043	0.144	17.847	ug/L
|	Mn	55	6820.060	0.02	0.4818	0.010	2.138	ug/L
|	Co	59	4181.583	0.01	0.3845	0.004	1.068	ug/L
|	Ni	60	3562.003	0.01	1.6259	0.031	1.888	ug/L
|	Cu	65	1913.536	0.00	0.8098	0.029	3.640	ug/L
|	Zn	66	8467.335	0.02	6.2481	0.060	0.957	ug/L
|>	Ge	72	369940.941	369940.94				ug/L
|	As	75	238.658	0.00	0.4401	0.090	20.514	ug/L
|	Se	77	139.334	0.00	0.4406	0.203	46.144	ug/L
|	Se	82	41.775	0.00	0.4316	0.263	60.910	ug/L
⌊	Rb	85	20.334	-0.00				mg/L
	Y	89	260772.221	-2292.58				ug/L
	Rh	103	13.333	-3.33				ug/L
⌈	Mo	98	175.839	0.00	0.0002	0.004	1670.850	ug/L
|	Ag	107	2857.437	0.01	0.4018	0.005	1.127	ug/L
|	Cd	114	285.407	0.00	0.2091	0.017	7.912	ug/L
|>	In	115	365910.549	365910.55				ug/L
|	Sn	118	299.471	0.00	0.0357	0.003	8.363	ug/L
⌊	Sb	123	1798.709	0.00	0.3865	0.007	1.810	ug/L
⌈	Ba	135	1400.445	0.00	0.7655	0.026	3.337	ug/L
|	Ce	140	26.669	0.00				ug/L
⌊>	Tb	159	433357.394	433357.39				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	675.363	0.00	0.0783	0.003	4.460	ug/L
|	Tl	205	1660.304	0.00	0.0718	0.005	7.037	ug/L
|	Pb	206	2789.751	0.01	0.3990	0.021	5.249	ug/L
|	Pb	207	2592.029	0.01	0.4060	0.008	1.863	ug/L
|	Pb	208	11560.416	0.03	0.4011	0.011	2.781	ug/L
|	U	238	16718.799	0.04	0.4037	0.003	0.767	ug/L
⌊>	Bi	209	385076.175	385076.17				ug/L

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Na	23	10823.623	-0.00	-0.0024	0.000	3.896	mg/L
Mg	24	693.428	0.00	-0.0028	0.000	1.843	mg/L
K	39	425709.207	-0.00	-0.0071	0.001	20.590	mg/L
Ca	43	300.035	-0.00	-0.0010	0.004	371.115	mg/L
Fe	54	44968.199	-0.02	-0.0114	0.003	25.127	mg/L
Fe	57	8697.987	-0.01	-0.0047	0.000	3.922	mg/L
> Sc-1	45	197924.056	197924.06				mg/L
Cl	35	17043.179	-8955.25				mg/L
Kr	83	64.334	-6.00				mg/L
Br	81	10322.665	-5.34				mg/L
P	31	9948.288	286.93				mg/L
S	34	178446.549	24919.91				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	100.918				
Cr	52	102.592				
Cr	53					
Mn	55	96.359				
Co	59	96.119				
Ni	60	101.619				
Cu	65	101.224				
Zn	66	99.970				
> Ge	72		98.549			
As	75	110.027				
Se	77					
Se	82	107.903				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.439				
Cd	114	104.571				
> In	115		99.480			
Sn	118					
Sb	123	96.637				
Ba	135	102.067				
Ce	140					
> Tb	159		100.806			
Ho	165					
Tl	203	97.814				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.268				
U	238	100.937				
> Bi	209		100.598			
Na	23					

Sample ID: QC Std 3
Report Date/Time: Monday, April 04, 2011 10:56:03

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
Report Date/Time: Monday, April 04, 2011 10:56:03

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Monday, April 04, 2011 11:00:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20771.716	0.01				ug/L
|	Be	9	12.667	0.00	0.0648	0.012	17.815	ug/L
|	Al	27	27584032.611	159.06	5095.1857	325.565	6.390	ug/L
⌊>	Sc	45	173628.652	173628.65				ug/L
⌈	Ti	49	62158.890	0.17	107.7760	2.901	2.692	ug/L
|	V	51	2801.738	-0.00	-0.0391	0.023	59.892	ug/L
|	Cr	52	10726.525	0.00	0.0537	0.026	48.890	ug/L
|	Cr	53	1663.638	0.00	1.4362	0.093	6.496	ug/L
|	Mn	55	3779.752	0.01	0.2481	0.007	2.892	ug/L
|	Co	59	2180.593	0.01	0.1888	0.006	3.437	ug/L
|	Ni	60	1132.075	0.00	0.4736	0.014	2.865	ug/L
|	Cu	65	875.714	0.00	0.3491	0.008	2.273	ug/L
|	Zn	66	971.057	0.00	0.5203	0.015	2.814	ug/L
|>	Ge	72	359216.880	359216.88				ug/L
|	As	75	-204.450	0.00	0.0710	0.038	53.603	ug/L
|	Se	77	195.335	0.00	1.0832	0.085	7.867	ug/L
|	Se	82	-4.977	-0.00	0.0406	0.105	259.339	ug/L
⌊	Rb	85	2342.298	0.01				mg/L
	Y	89	243100.875	-19963.93				ug/L
	Rh	103	24.000	7.33				ug/L
⌈	Mo	98	334272.009	0.95	109.8993	0.632	0.575	ug/L
|	Ag	107	95.668	0.00	-0.0086	0.001	8.039	ug/L
|	Cd	114	113.795	0.00	0.0893	0.006	6.824	ug/L
|>	In	115	352035.482	352035.48				ug/L
|	Sn	118	313.738	0.00	0.0410	0.004	8.559	ug/L
⌊	Sb	123	197.160	0.00	0.0251	0.002	7.184	ug/L
⌈	Ba	135	71.001	0.00	0.0224	0.007	32.646	ug/L
|	Ce	140	246.694	0.00				ug/L
⌊>	Tb	159	410643.550	410643.55				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	34.334	-0.00	-0.0064	0.001	13.033	ug/L
|	Tl	205	86.676	0.00	-0.0130	0.001	4.869	ug/L
|	Pb	206	434.014	0.00	0.0160	0.004	26.848	ug/L
|	Pb	207	362.010	0.00	0.0225	0.003	12.742	ug/L
|	Pb	208	1726.743	0.00	0.0202	0.002	11.528	ug/L
|	U	238	62.334	0.00	-0.0051	0.000	1.568	ug/L
⌊>	Bi	209	373081.576	373081.58				ug/L

Sample ID: QC Std 4
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Na	23	68459775.562	394.51	14.1786	0.483	3.407	mg/L	
Mg	24	18195551.136	104.81	5.5569	0.091	1.637	mg/L	
K	39	37295142.690	212.90	5.6618	0.336	5.928	mg/L	
Ca	43	259224.277	1.49	16.7700	0.967	5.765	mg/L	
Fe	54	7977930.491	45.74	14.3660	0.547	3.810	mg/L	
Fe	57	3373826.983	19.40	14.5362	0.533	3.665	mg/L	
Sc-1	45	173628.652	173628.65				mg/L	
Cl	35	1922473.538	1896475.11				mg/L	
Kr	83	74.001	3.67				mg/L	
Br	81	9795.462	-532.54				mg/L	
P	31	1754164.159	1744502.80				mg/L	
S	34	336043.178	182516.54				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		95.692			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		95.707			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		95.522			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		97.465			
Na	23					

Sample ID: QC Std 4
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
Report Date/Time: Monday, April 04, 2011 11:03:11
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Monday, April 04, 2011 11:08:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20637.961	0.02				ug/L
|	Be	9	29669.951	0.18	112.4725	2.609	2.320	ug/L
|	Al	27	22758419.516	138.55	4437.9746	97.291	2.192	ug/L
⌊>	Sc	45	164272.069	164272.07				ug/L
⌈	Ti	49	52368.678	0.15	95.6650	1.836	1.919	ug/L
|	V	51	805712.456	2.35	91.2149	2.027	2.222	ug/L
|	Cr	52	730678.433	2.12	97.1403	0.426	0.439	ug/L
|	Cr	53	143232.833	0.42	161.6601	2.784	1.722	ug/L
|	Mn	55	1174584.184	3.44	101.6518	0.168	0.165	ug/L
|	Co	59	937799.628	2.75	102.8086	1.233	1.199	ug/L
|	Ni	60	202017.994	0.59	105.3049	1.008	0.957	ug/L
|	Cu	65	210809.633	0.62	104.0574	0.905	0.870	ug/L
|	Zn	66	124941.253	0.37	103.7426	0.950	0.916	ug/L
|>	Ge	72	340959.383	340959.38				ug/L
|	As	75	108988.969	0.32	97.3473	0.728	0.747	ug/L
|	Se	77	12129.353	0.04	135.6306	2.591	1.910	ug/L
|	Se	82	10393.683	0.03	93.9523	0.669	0.712	ug/L
⌊	Rb	85	1904.867	0.01				mg/L
	Y	89	213322.500	-49742.30				ug/L
	Rh	103	75.001	58.33				ug/L
⌈	Mo	98	272916.466	0.87	100.3850	0.778	0.775	ug/L
|	Ag	107	573378.233	1.82	99.1906	1.063	1.072	ug/L
|	Cd	114	123731.076	0.39	103.2034	0.864	0.837	ug/L
|>	In	115	314649.117	314649.12				ug/L
|	Sn	118	2780.920	0.01	0.6222	0.015	2.453	ug/L
⌊	Sb	123	405664.720	1.29	106.9900	1.164	1.088	ug/L
⌈	Ba	135	155328.302	0.40	97.4007	1.692	1.738	ug/L
|	Ce	140	223.358	0.00				ug/L
⌊>	Tb	159	387362.944	387362.94				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	713161.157	1.91	97.1915	0.816	0.840	ug/L
|	Tl	205	1755169.571	4.69	97.5466	1.732	1.776	ug/L
|	Pb	206	616492.500	1.65	103.7271	1.073	1.035	ug/L
|	Pb	207	542557.966	1.45	96.5227	0.991	1.026	ug/L
|	Pb	208	2512332.975	6.72	100.7072	0.833	0.827	ug/L
|	U	238	4179242.731	11.18	105.6486	0.368	0.348	ug/L
⌊>	Bi	209	373932.525	373932.52				ug/L

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⌈	Na	23	53690638.299	327.00	11.7519	0.506	4.308	mg/L
|	Mg	24	14783004.687	90.01	4.7716	0.060	1.259	mg/L
|	K	39	31633812.787	190.39	5.0624	0.034	0.681	mg/L
|	Ca	43	219319.663	1.33	14.9774	0.480	3.203	mg/L
|	Fe	54	6865481.044	41.56	13.0538	0.340	2.606	mg/L
|	Fe	57	3002883.330	18.24	13.6692	0.459	3.355	mg/L
⌊>	Sc-1	45	164272.069	164272.07				mg/L
	Cl	35	65269540.588	65243542.16				mg/L
	Kr	83	63.668	-6.67				mg/L
	Br	81	12712.085	2384.08				mg/L
	P	31	1434889.380	1425228.02				mg/L
	S	34	291160.117	137633.48				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	91.215				
|	Cr	52	97.140				
|	Cr	53					
|	Mn	55	101.652				
|	Co	59	102.809				
|	Ni	60	105.305				
|	Cu	65	104.057				
|	Zn	66	103.743				
|>	Ge	72		90.828			
|	As	75	97.347				
|	Se	77					
|	Se	82	93.952				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	99.191				
|	Cd	114	103.203				
|>	In	115		85.543			
|	Sn	118					
⌊	Sb	123	106.990				
⌈	Ba	135	97.401				
|	Ce	140					
⌊>	Tb	159		90.107			
⌈	Ho	165					
|	Tl	203	97.191				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	100.707				
|	U	238	105.649				
⌊>	Bi	209		97.687			
⌈	Na	23					

Sample ID: QC Std 5
Report Date/Time: Monday, April 04, 2011 11:10:19

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 11:15:14
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19485.650	-0.00				ug/L
|	Be	9	15111.411	0.08	50.9418	1.030	2.022	ug/L
|	Al	27	287357.600	1.55	49.4668	2.190	4.427	ug/L
⌊>	Sc	45	184741.429	184741.43				ug/L
⌈	Ti	49	57789.041	0.16	100.2570	3.514	3.505	ug/L
|	V	51	464321.111	1.29	49.7659	0.949	1.908	ug/L
|	Cr	52	402521.647	1.09	50.1903	0.570	1.136	ug/L
|	Cr	53	52415.572	0.14	55.9506	0.180	0.322	ug/L
|	Mn	55	618699.858	1.72	50.8156	0.725	1.427	ug/L
|	Co	59	491026.704	1.37	51.0978	0.834	1.633	ug/L
|	Ni	60	103674.147	0.29	51.2771	1.010	1.970	ug/L
|	Cu	65	110221.888	0.31	51.6366	0.494	0.956	ug/L
|	Zn	66	66895.679	0.19	52.6278	0.530	1.007	ug/L
|>	Ge	72	359031.798	359031.80				ug/L
|	As	75	58401.250	0.16	49.6578	0.198	0.398	ug/L
|	Se	77	4794.483	0.01	50.2846	0.947	1.883	ug/L
|	Se	82	5789.908	0.02	49.7399	0.745	1.497	ug/L
⌊	Rb	85	2219.602	0.01				mg/L
	Y	89	242324.936	-20739.87				ug/L
	Rh	103	43.667	27.00				ug/L
⌈	Mo	98	306045.023	0.87	100.4779	0.913	0.909	ug/L
|	Ag	107	328047.192	0.93	50.6426	0.916	1.808	ug/L
|	Cd	114	69090.100	0.20	51.4400	0.263	0.512	ug/L
|>	In	115	352516.419	352516.42				ug/L
|	Sn	118	247405.361	0.70	51.3131	0.631	1.229	ug/L
⌊	Sb	123	216218.664	0.61	50.8909	0.799	1.571	ug/L
⌈	Ba	135	87665.459	0.21	50.3461	0.219	0.436	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	422817.533	422817.53				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	379449.043	0.99	50.4814	0.341	0.675	ug/L
|	Tl	205	939704.104	2.45	50.9792	0.364	0.714	ug/L
|	Pb	206	308748.275	0.81	50.6888	0.599	1.182	ug/L
|	Pb	207	289568.517	0.76	50.2716	0.168	0.334	ug/L
|	Pb	208	1287427.792	3.36	50.3575	0.101	0.200	ug/L
|	U	238	2151293.427	5.62	53.0923	0.560	1.055	ug/L
⌊>	Bi	209	383006.959	383006.96				ug/L

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Na	23	25332924.779	137.09	4.9257	0.106	2.148	mg/L	
Mg	24	17234627.652	93.32	4.9472	0.147	2.976	mg/L	
K	39	34562840.613	184.98	4.9184	0.096	1.946	mg/L	
Ca	43	83125.679	0.45	5.0374	0.113	2.236	mg/L	
Fe	54	2951935.714	15.74	4.9401	0.177	3.590	mg/L	
Fe	57	1263802.896	6.80	5.0920	0.209	4.097	mg/L	
> Sc-1	45	184741.429	184741.43				mg/L	
Cl	35	78310.919	52312.49				mg/L	
Kr	83	60.667	-9.67				mg/L	
Br	81	9854.855	-473.15				mg/L	
P	31	9636.644	-24.72				mg/L	
S	34	173252.865	19726.23				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	99.532				
Cr	52	100.381				
Cr	53					
Mn	55	101.631				
Co	59	102.196				
Ni	60	102.554				
Cu	65	103.273				
Zn	66	105.256				
> Ge	72		95.643			
As	75	99.316				
Se	77					
Se	82	99.480				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.285				
Cd	114	102.880				
> In	115		95.838			
Sn	118					
Sb	123	101.782				
Ba	135	100.692				
Ce	140					
> Tb	159		98.354			
Ho	165					
Tl	203	100.963				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.715				
U	238	106.185				
> Bi	209		100.058			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 11:17:26

Approved: April 05, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 11:22:20
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19101.614	-0.01				ug/L
|	Be	9	19.333	0.00	0.0837	0.036	43.426	ug/L
|	Al	27	2583.668	0.00	0.0691	0.024	34.138	ug/L
⌊>	Sc	45	186472.643	186472.64				ug/L
⌈	Ti	49	60.006	0.00	0.0484	0.034	69.677	ug/L
|	V	51	3117.205	0.00	-0.0072	0.031	426.507	ug/L
|	Cr	52	10363.807	0.00	-0.0016	0.054	3350.344	ug/L
|	Cr	53	2924.056	0.01	2.7700	0.340	12.263	ug/L
|	Mn	55	378.678	-0.00	-0.0317	0.002	7.350	ug/L
|	Co	59	145.003	0.00	-0.0232	0.002	10.233	ug/L
|	Ni	60	81.334	-0.00	-0.0469	0.006	11.878	ug/L
|	Cu	65	106.002	0.00	-0.0120	0.006	48.419	ug/L
|	Zn	66	190.004	0.00	-0.0977	0.016	15.955	ug/L
|>	Ge	72	361776.707	361776.71				ug/L
|	As	75	-267.904	-0.00	0.0191	0.022	114.003	ug/L
|	Se	77	100.667	-0.00	0.0637	0.083	130.669	ug/L
|	Se	82	4.377	0.00	0.1202	0.039	32.560	ug/L
⌊	Rb	85	24.667	0.00				mg/L
	Y	89	250548.011	-12516.79				ug/L
	Rh	103	14.333	-2.33				ug/L
⌈	Mo	98	303.989	0.00	0.0431	0.015	34.336	ug/L
|	Ag	107	63.668	0.00	-0.0137	0.001	9.100	ug/L
|	Cd	114	0.099	-0.00	0.0045	0.007	159.597	ug/L
|>	In	115	357654.735	357654.74				ug/L
|	Sn	118	307.205	0.00	0.0387	0.005	12.654	ug/L
⌊	Sb	123	108.323	0.00	0.0037	0.001	36.523	ug/L
⌈	Ba	135	32.334	-0.00	-0.0010	0.002	167.572	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	422334.983	422334.98				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	381.345	0.00	0.0396	0.007	16.506	ug/L
|	Tl	205	903.465	0.00	0.0311	0.008	24.453	ug/L
|	Pb	206	350.343	0.00	0.0003	0.003	849.446	ug/L
|	Pb	207	301.674	0.00	0.0103	0.002	15.797	ug/L
|	Pb	208	1392.719	0.00	0.0053	0.003	59.365	ug/L
|	U	238	228.338	0.00	-0.0011	0.002	153.227	ug/L
⌊>	Bi	209	383331.895	383331.90				ug/L

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Na	23	13553.902	0.02	-0.0018	0.000	12.600	mg/L
Mg	24	1503.607	0.01	-0.0026	0.000	6.416	mg/L
K	39	415920.032	0.07	-0.0050	0.002	33.578	mg/L
Ca	43	290.033	-0.00	-0.0005	0.001	263.342	mg/L
Fe	54	44800.111	-0.01	-0.0074	0.002	24.917	mg/L
Fe	57	7910.590	-0.01	-0.0058	0.001	23.936	mg/L
Sc-1	45	186472.643	186472.64				mg/L
Cl	35	41384.188	15385.76				mg/L
Kr	83	71.668	1.33				mg/L
Br	81	9732.068	-595.93				mg/L
P	31	10060.452	399.09				mg/L
S	34	172235.677	18709.04				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.374			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		97.235			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		98.242			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		100.142			
Na	23					

Sample ID: QC Std 7
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 11:24:31

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: PBS 34 WG360683-01

Sample Date/Time: Monday, April 04, 2011 11:31:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19235.193	-0.01				ug/L
|	Be	9	12.000	0.00	0.0582	0.010	16.794	ug/L
|	Al	27	3750.714	0.01	0.2530	0.068	26.975	ug/L
⌊>	Sc	45	190856.594	190856.59				ug/L
⌈	Ti	49	56.672	0.00	0.0406	0.020	48.968	ug/L
|	V	51	3095.171	0.00	-0.0176	0.016	90.872	ug/L
|	Cr	52	10492.607	0.00	-0.0171	0.025	143.696	ug/L
|	Cr	53	1413.575	0.00	1.1217	0.065	5.800	ug/L
|	Mn	55	776.038	0.00	-0.0007	0.001	185.609	ug/L
|	Co	59	115.335	-0.00	-0.0265	0.002	5.687	ug/L
|	Ni	60	83.668	-0.00	-0.0468	0.002	5.137	ug/L
|	Cu	65	114.668	0.00	-0.0093	0.002	21.743	ug/L
|	Zn	66	1698.162	0.00	1.0532	0.105	9.923	ug/L
|>	Ge	72	370540.664	370540.66				ug/L
|	As	75	-203.236	0.00	0.0772	0.055	71.344	ug/L
|	Se	77	108.001	0.00	0.1147	0.204	178.079	ug/L
|	Se	82	12.119	0.00	0.1839	0.095	51.465	ug/L
⌊	Rb	85	28.000	0.00				mg/L
	Y	89	259174.656	-3890.15				ug/L
	Rh	103	13.333	-3.33				ug/L
⌈	Mo	98	104.093	0.00	-0.0229	0.006	26.295	ug/L
|	Ag	107	39.000	0.00	-0.0177	0.001	3.575	ug/L
|	Cd	114	-1.684	-0.00	0.0032	0.006	181.715	ug/L
|>	In	115	371041.742	371041.74				ug/L
|	Sn	118	206.535	0.00	0.0165	0.002	11.425	ug/L
⌊	Sb	123	72.658	0.00	-0.0052	0.001	16.709	ug/L
⌈	Ba	135	38.667	0.00	0.0021	0.002	94.368	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	431891.690	431891.69				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	230.338	0.00	0.0191	0.002	10.061	ug/L
|	Tl	205	453.389	0.00	0.0064	0.004	55.633	ug/L
|	Pb	206	356.010	0.00	0.0005	0.005	946.573	ug/L
|	Pb	207	320.675	0.00	0.0129	0.003	25.855	ug/L
|	Pb	208	1443.055	0.00	0.0065	0.002	27.455	ug/L
|	U	238	69.668	0.00	-0.0050	0.000	2.916	ug/L
⌊>	Bi	209	388520.132	388520.13				ug/L

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⌈	Na	23	20148.983	0.05	-0.0006	0.000	60.830	mg/L
|	Mg	24	1203.527	0.01	-0.0027	0.000	2.723	mg/L
|	K	39	418994.271	0.04	-0.0059	0.002	33.482	mg/L
|	Ca	43	366.710	0.00	0.0037	0.006	149.536	mg/L
|	Fe	54	47351.919	0.00	-0.0047	0.006	130.591	mg/L
|	Fe	57	8340.980	-0.01	-0.0048	0.003	54.693	mg/L
⌊>	Sc-1	45	190856.594	190856.59				mg/L
	Cl	35	32500.065	6501.64				mg/L
	Kr	83	63.001	-7.33				mg/L
	Br	81	10622.976	294.98				mg/L
	P	31	9346.370	-314.99				mg/L
	S	34	164650.379	11123.74				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.708			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.875			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.465			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.498			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 34 WG360683-01
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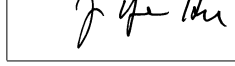

Method 6020 - Summary Report

Sample ID: LCSS 34 WG360683-02

Sample Date/Time: Monday, April 04, 2011 11:38:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21990.979	-0.00				ug/L
|	Be	9	7396.735	0.04	22.8884	0.652	2.848	ug/L
|	Al	27	241243.793	1.19	38.0649	2.857	7.507	ug/L
⌊>	Sc	45	201478.725	201478.73				ug/L
⌈	Ti	49	310.036	0.00	0.4550	0.042	9.125	ug/L
|	V	51	251169.463	0.65	25.3419	0.471	1.857	ug/L
|	Cr	52	229611.139	0.58	26.5236	0.267	1.006	ug/L
|	Cr	53	27269.896	0.07	27.4076	1.243	4.534	ug/L
|	Mn	55	350501.794	0.92	27.2491	0.116	0.424	ug/L
|	Co	59	268921.690	0.71	26.4989	0.258	0.975	ug/L
|	Ni	60	57811.873	0.15	27.0525	0.065	0.239	ug/L
|	Cu	65	60613.427	0.16	26.8774	0.385	1.432	ug/L
|	Zn	66	37926.833	0.10	28.1580	0.304	1.081	ug/L
|>	Ge	72	378912.081	378912.08				ug/L
|	As	75	28821.797	0.08	23.3503	0.119	0.509	ug/L
|	Se	77	2193.574	0.01	21.2288	0.139	0.655	ug/L
|	Se	82	2585.798	0.01	21.0988	0.427	2.022	ug/L
⌊	Rb	85	272.340	0.00				mg/L
	Y	89	261459.951	-1604.85				ug/L
	Rh	103	31.334	14.67				ug/L
⌈	Mo	98	121.463	0.00	-0.0180	0.002	9.920	ug/L
|	Ag	107	156849.754	0.42	22.7227	0.130	0.573	ug/L
|	Cd	114	34138.598	0.09	23.8677	0.188	0.789	ug/L
|>	In	115	375429.825	375429.83				ug/L
|	Sn	118	269.204	0.00	0.0283	0.001	4.271	ug/L
⌊	Sb	123	108087.558	0.29	23.8758	0.149	0.625	ug/L
⌈	Ba	135	46373.070	0.11	25.6502	0.331	1.290	ug/L
|	Ce	140	540.069	0.00				ug/L
⌊>	Tb	159	438875.203	438875.20				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	198914.562	0.50	25.6196	0.264	1.032	ug/L
|	Tl	205	501724.425	1.27	26.3427	0.602	2.286	ug/L
|	Pb	206	170402.569	0.43	27.0584	0.203	0.750	ug/L
|	Pb	207	150768.253	0.38	25.3250	0.287	1.132	ug/L
|	Pb	208	693602.124	1.75	26.2464	0.196	0.747	ug/L
|	U	238	1087093.448	2.75	25.9740	0.301	1.160	ug/L
⌊>	Bi	209	395570.481	395570.48				ug/L

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Na	23	61182.712	0.25	0.0066	0.000	7.067	mg/L	
Mg	24	34523.000	0.17	0.0061	0.000	1.421	mg/L	
K	39	458507.422	0.12	-0.0037	0.003	67.414	mg/L	
Ca	43	680.091	0.00	0.0201	0.005	26.989	mg/L	
Fe	54	121914.282	0.36	0.1076	0.012	10.882	mg/L	
Fe	57	19721.402	0.05	0.0359	0.005	12.669	mg/L	
> Sc-1	45	201478.725	201478.73				mg/L	
Cl	35	32438.543	6440.11				mg/L	
Kr	83	66.668	-3.67				mg/L	
Br	81	11212.285	884.28				mg/L	
P	31	20832.419	11171.06				mg/L	
S	34	173656.760	20130.12				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		100.939			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		102.068			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		102.090			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		103.340			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: LCSS DP WG360683-03

Sample Date/Time: Monday, April 04, 2011 11:45:25
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 35
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21673.508	0.00				ug/L
|	Be	9	7205.262	0.04	23.0935	1.442	6.243	ug/L
|	Al	27	147666.044	0.75	23.9389	0.977	4.082	ug/L
⌊>	Sc	45	194868.630	194868.63				ug/L
⌈	Ti	49	96.677	0.00	0.1068	0.075	70.619	ug/L
|	V	51	245316.241	0.65	25.1550	0.120	0.477	ug/L
|	Cr	52	226128.014	0.58	26.5518	0.013	0.047	ug/L
|	Cr	53	26099.956	0.07	26.6509	0.091	0.343	ug/L
|	Mn	55	334188.517	0.90	26.4066	0.200	0.759	ug/L
|	Co	59	261115.898	0.70	26.1531	0.393	1.503	ug/L
|	Ni	60	56991.181	0.15	27.1074	0.225	0.829	ug/L
|	Cu	65	59308.962	0.16	26.7304	0.299	1.119	ug/L
|	Zn	66	37399.849	0.10	28.2234	0.166	0.588	ug/L
|>	Ge	72	372775.956	372775.96				ug/L
|	As	75	27812.920	0.08	22.9089	0.390	1.701	ug/L
|	Se	77	2220.913	0.01	21.8767	0.220	1.006	ug/L
|	Se	82	2502.758	0.01	20.7573	0.372	1.793	ug/L
⌊	Rb	85	36.000	0.00				mg/L
	Y	89	257467.791	-5597.01				ug/L
	Rh	103	26.667	10.00				ug/L
⌈	Mo	98	83.024	0.00	-0.0295	0.002	6.119	ug/L
|	Ag	107	157991.535	0.43	23.1434	0.189	0.815	ug/L
|	Cd	114	32831.204	0.09	23.2105	0.171	0.738	ug/L
|>	In	115	371299.955	371299.96				ug/L
|	Sn	118	481.478	0.00	0.0706	0.013	17.823	ug/L
⌊	Sb	123	106619.963	0.29	23.8146	0.312	1.309	ug/L
⌈	Ba	135	45073.134	0.10	25.0693	0.244	0.973	ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	436431.675	436431.68				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	193474.983	0.49	24.8621	0.140	0.563	ug/L
|	Tl	205	484417.352	1.22	25.3781	0.541	2.131	ug/L
|	Pb	206	167175.512	0.42	26.4882	0.348	1.314	ug/L
|	Pb	207	146757.533	0.37	24.5947	0.276	1.121	ug/L
|	Pb	208	676450.486	1.70	25.5394	0.263	1.028	ug/L
|	U	238	1079026.999	2.72	25.7232	0.299	1.162	ug/L
⌊>	Bi	209	396446.585	396446.58				ug/L

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⌈	Na	23	86164.874	0.39	0.0116	0.001	8.434	mg/L
|	Mg	24	5762.240	0.03	-0.0014	0.000	3.298	mg/L
|	K	39	423467.580	0.02	-0.0064	0.003	47.788	mg/L
|	Ca	43	356.709	0.00	0.0026	0.003	97.585	mg/L
|	Fe	54	91985.353	0.23	0.0660	0.012	18.876	mg/L
|	Fe	57	9722.369	0.00	-0.0002	0.001	494.709	mg/L
⌊>	Sc-1	45	194868.630	194868.63				mg/L
	Cl	35	28815.474	2817.04				mg/L
	Kr	83	68.668	-1.67				mg/L
	Br	81	10703.059	375.06				mg/L
	P	31	19318.840	9657.48				mg/L
	S	34	174863.605	21336.97				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.304			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.945			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.521			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.569			
⌈	Na	23					

Sample ID: LCSS DP WG360683-03
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS DP WG360683-03
Report Date/Time: Monday, April 04, 2011 11:47:36

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 11:52:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21840.593	0.01				ug/L
|	Be	9	1126.063	0.01	3.7267	0.183	4.920	ug/L
|	Al	27	6564670.290	34.71	1111.7060	21.300	1.916	ug/L
⌊>	Sc	45	189121.828	189121.83				ug/L
⌈	Ti	49	4791.633	0.01	8.4101	0.760	9.039	ug/L
|	V	51	145168.488	0.40	15.6015	0.052	0.333	ug/L
|	Cr	52	181438.778	0.49	22.3107	0.024	0.106	ug/L
|	Cr	53	20543.163	0.06	22.1030	0.933	4.221	ug/L
|	Mn	55	755018.520	2.14	63.1274	0.300	0.475	ug/L
|	Co	59	100093.128	0.28	10.5706	0.024	0.224	ug/L
|	Ni	60	62566.755	0.18	31.4627	0.563	1.790	ug/L
|	Cu	65	49187.517	0.14	23.4161	0.149	0.638	ug/L
|	Zn	66	59533.950	0.17	47.6435	0.506	1.062	ug/L
|>	Ge	72	352788.239	352788.24				ug/L
|	As	75	8386.426	0.02	7.4656	0.080	1.065	ug/L
|	Se	77	320.005	0.00	2.4779	0.245	9.869	ug/L
|	Se	82	320.060	0.00	2.8774	0.167	5.802	ug/L
⌊	Rb	85	21217.364	0.06				mg/L
	Y	89	265607.521	2542.72				ug/L
	Rh	103	26.000	9.33				ug/L
⌈	Mo	98	462.065	0.00	0.0963	0.007	7.080	ug/L
|	Ag	107	25148.835	0.07	3.8592	0.017	0.440	ug/L
|	Cd	114	2813.565	0.01	2.0982	0.025	1.198	ug/L
|>	In	115	352647.203	352647.20				ug/L
|	Sn	118	194.802	0.00	0.0162	0.003	16.584	ug/L
⌊	Sb	123	650.934	0.00	0.1318	0.006	4.179	ug/L
⌈	Ba	135	76896.360	0.18	44.6474	1.017	2.279	ug/L
|	Ce	140	119636.627	0.29				ug/L
⌊>	Tb	159	418215.036	418215.04				ug/L
⌈	Ho	165	1380.234	0.00				ug/L
|	Tl	203	100151.611	0.26	13.4688	0.426	3.164	ug/L
|	Tl	205	248939.429	0.66	13.6464	0.368	2.700	ug/L
|	Pb	206	58714.131	0.15	9.7028	0.143	1.477	ug/L
|	Pb	207	49356.675	0.13	8.6321	0.135	1.560	ug/L
|	Pb	208	231922.377	0.61	9.1350	0.126	1.375	ug/L
|	U	238	136552.367	0.36	3.4021	0.029	0.858	ug/L
⌊>	Bi	209	378693.054	378693.05				ug/L

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⌈	Na	23	224805.430	1.13	0.0384	0.001	1.505	mg/L
|	Mg	24	57710359.222	305.20	16.1868	0.274	1.695	mg/L
|	K	39	11580350.046	59.08	1.5662	0.020	1.272	mg/L
|	Ca	43	581160.921	3.07	34.4996	0.468	1.356	mg/L
|	Fe	54	1311665.695	6.69	2.0964	0.022	1.071	mg/L
|	Fe	57	545570.731	2.84	2.1246	0.027	1.265	mg/L
⌊>	Sc-1	45	189121.828	189121.83				mg/L
	Cl	35	25459.036	-539.39				mg/L
	Kr	83	71.001	0.67				mg/L
	Br	81	10149.150	-178.85				mg/L
	P	31	41996.025	32334.67				mg/L
	S	34	199101.030	45574.39				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.979			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.874			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.284			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.931			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1103074204PS WG360706-01

Sample Date/Time: Monday, April 04, 2011 11:59:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 37
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18984.678	-0.00				ug/L
|	Be	9	16352.026	0.09	56.0438	2.164	3.862	ug/L
|	Al	27	6975389.886	38.38	1229.3402	42.834	3.484	ug/L
|>	Sc	45	181822.727	181822.73				ug/L
⌈	Ti	49	4471.447	0.01	8.0820	0.177	2.191	ug/L
|	V	51	605892.993	1.76	68.2091	0.203	0.297	ug/L
|	Cr	52	578903.049	1.66	76.3518	0.160	0.209	ug/L
|	Cr	53	66671.562	0.19	74.7362	1.837	2.457	ug/L
|	Mn	55	1374369.490	4.01	118.4380	0.700	0.591	ug/L
|	Co	59	583923.630	1.70	63.7224	0.525	0.824	ug/L
|	Ni	60	165703.372	0.48	85.9841	0.735	0.855	ug/L
|	Cu	65	155625.869	0.45	76.4687	0.749	0.980	ug/L
|	Zn	66	121270.858	0.35	100.2454	1.012	1.009	ug/L
|>	Ge	72	342440.657	342440.66				ug/L
|	As	75	66029.304	0.19	58.8181	0.127	0.216	ug/L
|	Se	77	4933.217	0.01	54.3246	1.448	2.665	ug/L
|	Se	82	5871.212	0.02	52.8813	1.112	2.102	ug/L
⌊	Rb	85	20790.799	0.06				mg/L
	Y	89	252588.668	-10476.13				ug/L
	Rh	103	58.334	41.67				ug/L
⌈	Mo	98	454.143	0.00	0.1003	0.022	21.887	ug/L
|	Ag	107	353256.841	1.05	56.8883	0.296	0.520	ug/L
|	Cd	114	71191.243	0.21	55.2974	1.110	2.008	ug/L
|>	In	115	337943.372	337943.37				ug/L
|	Sn	118	225.603	0.00	0.0246	0.001	5.932	ug/L
⌊	Sb	123	218099.603	0.65	53.5515	0.823	1.537	ug/L
⌈	Ba	135	167782.852	0.41	99.8191	0.439	0.439	ug/L
|	Ce	140	121593.658	0.30				ug/L
|>	Tb	159	408237.478	408237.48				ug/L
⌈	Ho	165	1376.899	0.00				ug/L
|	Tl	203	486516.102	1.31	66.9708	0.631	0.942	ug/L
|	Tl	205	1228443.186	3.32	68.9546	0.545	0.790	ug/L
|	Pb	206	380041.683	1.03	64.5652	0.471	0.729	ug/L
|	Pb	207	332363.426	0.90	59.7066	0.417	0.698	ug/L
|	Pb	208	1545214.196	4.17	62.5426	0.212	0.338	ug/L
|	U	238	2225751.424	6.01	56.8252	0.830	1.460	ug/L
|>	Bi	209	370202.810	370202.81				ug/L

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Na	23	226733.702	1.19	0.0405	0.002	6.117	mg/L
Mg	24	58686781.472	322.95	17.1287	0.414	2.417	mg/L
K	39	11338272.961	60.24	1.5969	0.044	2.753	mg/L
Ca	43	578842.014	3.18	35.7604	1.142	3.193	mg/L
Fe	54	1318766.542	7.01	2.1980	0.082	3.720	mg/L
Fe	57	546999.545	2.96	2.2194	0.102	4.581	mg/L
> Sc-1	45	181822.727	181822.73				mg/L
Cl	35	23843.060	-2155.37				mg/L
Kr	83	70.334	0.00				mg/L
Br	81	9685.355	-642.65				mg/L
P	31	43424.753	33763.39				mg/L
S	34	195615.202	42088.56				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.223			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.876			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.963			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.713			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103074202SDL WG360706-02

Sample Date/Time: Monday, April 04, 2011 12:06:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 38
Method File: C:\elandata\Method\6020a.mth
Sample Description: 50

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20855.095	0.00				ug/L
|	Be	9	243.336	0.00	0.8195	0.074	9.074	ug/L
|	Al	27	1411595.202	7.44	238.4414	12.052	5.055	ug/L
⌊>	Sc	45	189410.473	189410.47				ug/L
⌈	Ti	49	1033.491	0.00	1.7489	0.243	13.871	ug/L
|	V	51	31274.948	0.08	3.0501	0.078	2.569	ug/L
|	Cr	52	44470.104	0.10	4.3998	0.077	1.749	ug/L
|	Cr	53	4498.128	0.01	4.5064	0.197	4.368	ug/L
|	Mn	55	152682.958	0.43	12.5542	0.204	1.622	ug/L
|	Co	59	20345.549	0.06	2.0910	0.048	2.296	ug/L
|	Ni	60	12941.832	0.04	6.3564	0.154	2.418	ug/L
|	Cu	65	10239.342	0.03	4.7646	0.115	2.405	ug/L
|	Zn	66	14610.146	0.04	11.3546	0.013	0.117	ug/L
|>	Ge	72	357367.014	357367.01				ug/L
|	As	75	1561.620	0.00	1.5712	0.083	5.266	ug/L
|	Se	77	131.334	0.00	0.4060	0.081	19.850	ug/L
|	Se	82	70.477	0.00	0.6895	0.101	14.688	ug/L
⌊	Rb	85	4261.284	0.01				mg/L
	Y	89	245819.001	-17245.80				ug/L
	Rh	103	16.000	-0.67				ug/L
⌈	Mo	98	114.463	0.00	-0.0182	0.001	3.974	ug/L
|	Ag	107	5191.066	0.01	0.7694	0.010	1.273	ug/L
|	Cd	114	578.861	0.00	0.4308	0.033	7.730	ug/L
|>	In	115	356486.464	356486.46				ug/L
|	Sn	118	146.934	0.00	0.0060	0.001	16.392	ug/L
⌊	Sb	123	663.269	0.00	0.1331	0.009	6.448	ug/L
⌈	Ba	135	15453.420	0.04	8.7985	0.121	1.379	ug/L
|	Ce	140	23947.707	0.06				ug/L
⌊>	Tb	159	425724.503	425724.50				ug/L
⌈	Ho	165	343.374	0.00				ug/L
|	Tl	203	22282.361	0.06	2.8657	0.069	2.415	ug/L
|	Tl	205	54731.547	0.14	2.8642	0.088	3.072	ug/L
|	Pb	206	12279.326	0.03	1.9006	0.011	0.583	ug/L
|	Pb	207	10235.671	0.03	1.6837	0.031	1.817	ug/L
|	Pb	208	48505.656	0.12	1.7935	0.025	1.396	ug/L
|	U	238	27434.188	0.07	0.6503	0.007	1.100	ug/L
⌊>	Bi	209	394798.157	394798.16				ug/L

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Na	23	63782.472	0.28	0.0077	0.000	3.391	mg/L	
Mg	24	11843258.657	62.54	3.3148	0.124	3.730	mg/L	
K	39	2646307.748	11.82	0.3076	0.010	3.098	mg/L	
Ca	43	116877.576	0.62	6.9122	0.114	1.647	mg/L	
Fe	54	307995.786	1.38	0.4280	0.006	1.518	mg/L	
Fe	57	117366.578	0.57	0.4268	0.009	2.152	mg/L	
Sc-1	45	189410.473	189410.47				mg/L	
Cl	35	20756.864	-5241.57				mg/L	
Kr	83	60.334	-10.00				mg/L	
Br	81	9148.851	-1179.15				mg/L	
P	31	16259.214	6597.85				mg/L	
S	34	205121.129	51594.49				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		95.199			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		96.917			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		99.031			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		103.138			
Na	23					

Sample ID: L1103074202SDL WG360706-02
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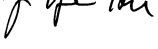

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 12:13:48
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19468.939	0.00				ug/L
|	Be	9	14540.564	0.08	51.2715	2.412	4.704	ug/L
|	Al	27	290494.127	1.63	52.3031	2.183	4.173	ug/L
⌊>	Sc	45	176852.601	176852.60				ug/L
⌈	Ti	49	54587.421	0.16	97.9952	1.729	1.764	ug/L
|	V	51	437634.667	1.25	48.5344	0.878	1.809	ug/L
|	Cr	52	381312.255	1.07	49.1830	0.604	1.228	ug/L
|	Cr	53	44406.179	0.13	49.0189	1.443	2.944	ug/L
|	Mn	55	577269.978	1.66	49.0689	0.070	0.143	ug/L
|	Co	59	455414.191	1.31	49.0476	0.784	1.598	ug/L
|	Ni	60	97122.661	0.28	49.7140	0.404	0.814	ug/L
|	Cu	65	102962.729	0.30	49.9209	0.716	1.435	ug/L
|	Zn	66	62121.326	0.18	50.5692	0.619	1.225	ug/L
| >	Ge	72	346913.496	346913.50				ug/L
|	As	75	55023.798	0.16	48.4274	0.704	1.455	ug/L
|	Se	77	4476.335	0.01	48.5548	0.519	1.069	ug/L
|	Se	82	5378.312	0.02	47.8279	1.760	3.681	ug/L
⌊	Rb	85	2128.248	0.01				mg/L
	Y	89	234818.222	-28246.58				ug/L
	Rh	103	40.000	23.33				ug/L
⌈	Mo	98	287684.450	0.84	96.9795	0.675	0.696	ug/L
|	Ag	107	310303.861	0.90	49.1865	0.127	0.259	ug/L
|	Cd	114	65401.536	0.19	49.9989	0.752	1.504	ug/L
| >	In	115	343300.350	343300.35				ug/L
|	Sn	118	231359.913	0.67	49.2709	0.144	0.293	ug/L
⌊	Sb	123	204978.355	0.60	49.5407	0.515	1.040	ug/L
⌈	Ba	135	85393.261	0.20	49.7591	0.290	0.584	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	416708.118	416708.12				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	364256.475	0.97	49.2250	0.350	0.712	ug/L
|	Tl	205	888124.086	2.36	48.9366	1.557	3.182	ug/L
|	Pb	206	295044.579	0.78	49.1985	0.679	1.380	ug/L
|	Pb	207	280706.932	0.74	49.5025	0.315	0.637	ug/L
|	Pb	208	1236991.613	3.28	49.1478	0.254	0.517	ug/L
|	U	238	2037396.569	5.40	51.0728	0.512	1.003	ug/L
⌊>	Bi	209	377051.608	377051.61				ug/L

Sample ID: QC Std 6
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Na	23	25632851.089	145.09	5.2131	0.236	4.519	mg/L
Mg	24	17174041.567	97.23	5.1549	0.212	4.118	mg/L
K	39	32981228.039	184.63	4.9089	0.252	5.137	mg/L
Ca	43	80131.137	0.45	5.0767	0.176	3.466	mg/L
Fe	54	2760403.237	15.38	4.8289	0.226	4.672	mg/L
Fe	57	1158689.663	6.51	4.8788	0.196	4.010	mg/L
> Sc-1	45	176852.601	176852.60				mg/L
Cl	35	19629.928	-6368.50				mg/L
Kr	83	64.001	-6.33				mg/L
Br	81	8380.848	-1947.15				mg/L
P	31	9376.401	-284.96				mg/L
S	34	187766.461	34239.82				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	97.069				
Cr	52	98.366				
Cr	53					
Mn	55	98.138				
Co	59	98.095				
Ni	60	99.428				
Cu	65	99.842				
Zn	66	101.138				
> Ge	72		92.414			
As	75	96.855				
Se	77					
Se	82	95.656				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.373				
Cd	114	99.998				
> In	115		93.333			
Sn	118					
Sb	123	99.081				
Ba	135	99.518				
Ce	140					
> Tb	159		96.933			
Ho	165					
Tl	203	98.450				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.296				
U	238	102.146				
> Bi	209		98.502			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 12:16:00

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 12:16:00
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 12:20:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19134.960	-0.01				ug/L
|	Be	9	8.667	0.00	0.0480	0.010	20.539	ug/L
|	Al	27	1966.866	-0.00	-0.0370	0.090	243.808	ug/L
⌊>	Sc	45	188190.220	188190.22				ug/L
⌈	Ti	49	76.675	0.00	0.0773	0.055	71.609	ug/L
|	V	51	3254.068	0.00	0.0072	0.011	151.741	ug/L
|	Cr	52	10152.252	0.00	-0.0290	0.019	66.619	ug/L
|	Cr	53	426.719	0.00	0.1050	0.117	110.998	ug/L
|	Mn	55	359.677	-0.00	-0.0332	0.004	11.756	ug/L
|	Co	59	131.336	0.00	-0.0246	0.002	7.814	ug/L
|	Ni	60	67.334	-0.00	-0.0539	0.001	2.781	ug/L
|	Cu	65	96.001	0.00	-0.0167	0.000	2.820	ug/L
|	Zn	66	207.338	0.00	-0.0843	0.017	20.124	ug/L
|>	Ge	72	361853.608	361853.61				ug/L
|	As	75	-201.125	0.00	0.0753	0.025	33.094	ug/L
|	Se	77	85.334	-0.00	-0.0999	0.059	58.757	ug/L
|	Se	82	-0.571	-0.00	0.0790	0.089	112.779	ug/L
⌊	Rb	85	23.334	0.00				mg/L
	Y	89	243192.520	-19872.28				ug/L
	Rh	103	15.000	-1.67				ug/L
⌈	Mo	98	267.207	0.00	0.0309	0.019	60.090	ug/L
|	Ag	107	74.334	0.00	-0.0121	0.000	2.587	ug/L
|	Cd	114	8.047	0.00	0.0103	0.003	25.464	ug/L
|>	In	115	358774.143	358774.14				ug/L
|	Sn	118	334.939	0.00	0.0441	0.004	9.782	ug/L
⌊	Sb	123	136.245	0.00	0.0101	0.004	35.468	ug/L
⌈	Ba	135	29.334	-0.00	-0.0028	0.004	143.396	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	424486.166	424486.17				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	469.016	0.00	0.0494	0.004	8.551	ug/L
|	Tl	205	1123.509	0.00	0.0414	0.003	8.197	ug/L
|	Pb	206	347.009	0.00	-0.0018	0.002	126.811	ug/L
|	Pb	207	303.008	0.00	0.0091	0.003	30.673	ug/L
|	Pb	208	1393.719	0.00	0.0038	0.002	58.342	ug/L
|	U	238	221.672	0.00	-0.0014	0.002	137.231	ug/L
⌊>	Bi	209	394543.678	394543.68				ug/L

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⌈	Na	23	12882.932	0.01	-0.0019	0.000	2.526	mg/L
|	Mg	24	2033.752	0.01	-0.0024	0.000	4.964	mg/L
|	K	39	426424.696	0.11	-0.0039	0.004	91.237	mg/L
|	Ca	43	263.363	-0.00	-0.0023	0.001	43.028	mg/L
|	Fe	54	45693.540	-0.01	-0.0064	0.005	79.240	mg/L
|	Fe	57	7887.234	-0.01	-0.0062	0.002	29.680	mg/L
⌊>	Sc-1	45	188190.220	188190.22				mg/L
	Cl	35	18523.817	-7474.61				mg/L
	Kr	83	65.668	-4.67				mg/L
	Br	81	9399.085	-928.92				mg/L
	P	31	9725.409	64.05				mg/L
	S	34	187093.505	33566.87				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.394			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.539			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.742			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.071			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 12:23:05

Approved: April 05, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 7	Tl	203	CCB IS OUT OF LIMITS (+/-1/2RL)

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 12:23:05
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Method 6020 - Summary Report

Sample ID: PBS 63 WG360675-01

Sample Date/Time: Monday, April 04, 2011 12:27:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 39
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21172.425	0.00				ug/L
|	Be	9	11.333	0.00	0.0563	0.009	16.855	ug/L
|	Al	27	3567.305	0.01	0.2242	0.039	17.211	ug/L
⌊>	Sc	45	190839.189	190839.19				ug/L
⌈	Ti	49	40.004	-0.00	0.0143	0.034	238.800	ug/L
|	V	51	3133.144	0.00	-0.0042	0.004	83.720	ug/L
|	Cr	52	10094.860	0.00	-0.0303	0.007	24.043	ug/L
|	Cr	53	470.058	0.00	0.1541	0.101	65.337	ug/L
|	Mn	55	546.687	0.00	-0.0178	0.000	1.650	ug/L
|	Co	59	103.002	-0.00	-0.0275	0.001	5.443	ug/L
|	Ni	60	78.668	-0.00	-0.0481	0.005	10.113	ug/L
|	Cu	65	119.002	0.00	-0.0058	0.004	61.143	ug/L
|	Zn	66	2302.622	0.01	1.5674	0.052	3.339	ug/L
|>	Ge	72	360132.105	360132.11				ug/L
|	As	75	-176.000	0.00	0.0955	0.048	50.675	ug/L
|	Se	77	70.000	-0.00	-0.2581	0.185	71.744	ug/L
|	Se	82	4.783	0.00	0.1243	0.098	78.775	ug/L
⌊	Rb	85	27.667	0.00				mg/L
	Y	89	246346.398	-16718.40				ug/L
	Rh	103	8.667	-8.00				ug/L
⌈	Mo	98	87.681	0.00	-0.0271	0.004	14.223	ug/L
|	Ag	107	48.667	0.00	-0.0160	0.001	3.156	ug/L
|	Cd	114	4.485	0.00	0.0077	0.002	20.189	ug/L
|>	In	115	358077.187	358077.19				ug/L
|	Sn	118	175.335	0.00	0.0116	0.001	9.143	ug/L
⌊	Sb	123	99.244	0.00	0.0016	0.003	205.722	ug/L
⌈	Ba	135	31.334	-0.00	-0.0015	0.001	74.089	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	420408.303	420408.30				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	322.342	0.00	0.0305	0.000	0.511	ug/L
|	Tl	205	786.776	0.00	0.0236	0.002	6.704	ug/L
|	Pb	206	365.344	0.00	0.0011	0.002	200.924	ug/L
|	Pb	207	293.007	-0.00	0.0074	0.004	47.205	ug/L
|	Pb	208	1396.386	0.00	0.0039	0.002	41.033	ug/L
|	U	238	77.668	0.00	-0.0049	0.000	6.732	ug/L
⌊>	Bi	209	394281.539	394281.54				ug/L

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⌈	Na	23	17657.360	0.04	-0.0010	0.000	4.745	mg/L
|	Mg	24	1506.931	0.01	-0.0026	0.000	0.630	mg/L
|	K	39	414316.268	0.02	-0.0065	0.003	44.033	mg/L
|	Ca	43	313.370	-0.00	0.0003	0.006	1761.448	mg/L
|	Fe	54	45165.994	-0.01	-0.0084	0.004	42.140	mg/L
|	Fe	57	7943.956	-0.01	-0.0064	0.002	35.736	mg/L
⌊>	Sc-1	45	190839.189	190839.19				mg/L
	Cl	35	18320.776	-7677.65				mg/L
	Kr	83	63.334	-7.00				mg/L
	Br	81	9708.711	-619.29				mg/L
	P	31	9534.550	-126.81				mg/L
	S	34	182137.851	28611.21				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.936			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.350			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.794			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.003			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: LCSS 63 WG360675-02

Sample Date/Time: Monday, April 04, 2011 12:35:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 40
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23845.064	0.01				ug/L
|	Be	9	7354.037	0.04	22.8174	0.981	4.300	ug/L
|	Al	27	150677.104	0.74	23.6572	0.677	2.863	ug/L
⌊>	Sc	45	200881.436	200881.44				ug/L
⌈	Ti	49	8431.070	0.02	14.8332	0.831	5.601	ug/L
|	V	51	224150.770	0.63	24.2710	0.610	2.513	ug/L
|	Cr	52	214218.340	0.58	26.5752	0.295	1.110	ug/L
|	Cr	53	69326.653	0.20	75.4257	3.370	4.468	ug/L
|	Mn	55	320344.294	0.91	26.7427	0.112	0.419	ug/L
|	Co	59	258465.482	0.73	27.3521	0.455	1.662	ug/L
|	Ni	60	55091.943	0.16	27.6873	0.761	2.747	ug/L
|	Cu	65	57519.871	0.16	27.3897	0.378	1.379	ug/L
|	Zn	66	31377.802	0.09	24.9872	0.161	0.644	ug/L
| >	Ge	72	352857.707	352857.71				ug/L
|	As	75	24085.967	0.07	20.9796	0.125	0.594	ug/L
|	Se	77	4490.341	0.01	47.8711	0.606	1.265	ug/L
|	Se	82	2095.019	0.01	18.3666	0.325	1.772	ug/L
⌊	Rb	85	54.667	0.00				mg/L
	Y	89	232068.223	-30996.58				ug/L
	Rh	103	22.334	5.67				ug/L
⌈	Mo	98	101.202	0.00	-0.0215	0.004	19.599	ug/L
|	Ag	107	141212.131	0.41	22.1860	0.284	1.281	ug/L
|	Cd	114	30220.267	0.09	22.9163	0.349	1.523	ug/L
| >	In	115	346186.141	346186.14				ug/L
|	Sn	118	654.688	0.00	0.1142	0.004	3.825	ug/L
⌊	Sb	123	85770.538	0.25	20.5414	0.288	1.400	ug/L
⌈	Ba	135	42545.072	0.10	24.2399	0.194	0.801	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	426018.590	426018.59				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	201346.923	0.49	24.9717	0.321	1.285	ug/L
|	Tl	205	505648.084	1.23	25.5691	0.622	2.433	ug/L
|	Pb	206	173742.495	0.42	26.5684	0.397	1.494	ug/L
|	Pb	207	152600.054	0.37	24.6811	0.126	0.510	ug/L
|	Pb	208	708781.522	1.72	25.8265	0.187	0.724	ug/L
|	U	238	1190176.232	2.90	27.3825	0.220	0.803	ug/L
⌊>	Bi	209	410773.391	410773.39				ug/L

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⌈	Na	23	64675.319	0.27	0.0072	0.001	10.271	mg/L
|	Mg	24	9412.035	0.05	-0.0005	0.000	14.522	mg/L
|	K	39	436546.736	0.02	-0.0065	0.001	18.325	mg/L
|	Ca	43	470.058	0.00	0.0083	0.004	43.235	mg/L
|	Fe	54	127364.098	0.39	0.1164	0.005	4.015	mg/L
|	Fe	57	7920.595	-0.01	-0.0081	0.000	1.056	mg/L
⌊>	Sc-1	45	200881.436	200881.44				mg/L
	Cl	35	56229640.304	56203641.87				mg/L
	Kr	83	65.334	-5.00				mg/L
	Br	81	15433.903	5105.90				mg/L
	P	31	23167.499	13506.14				mg/L
	S	34	187592.058	34065.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.998			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.117			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.099			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		107.311			
⌈	Na	23					

Sample ID: LCSS 63 WG360675-02
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 63 WG360675-02
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Method 6020 - Summary Report

Sample ID: LCSS DP WG360675-03

Sample Date/Time: Monday, April 04, 2011 12:42:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 41
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24847.522	0.01				ug/L
|	Be	9	7283.986	0.04	22.4880	1.036	4.608	ug/L
|	Al	27	148766.730	0.73	23.2214	0.804	3.464	ug/L
⌊>	Sc	45	201953.721	201953.72				ug/L
⌈	Ti	49	7817.173	0.02	13.6867	0.504	3.679	ug/L
|	V	51	220284.214	0.61	23.7369	0.515	2.168	ug/L
|	Cr	52	216589.649	0.58	26.7563	0.298	1.114	ug/L
|	Cr	53	77426.593	0.22	83.8792	2.878	3.431	ug/L
|	Mn	55	328783.032	0.93	27.3243	0.254	0.930	ug/L
|	Co	59	263404.455	0.74	27.7475	0.106	0.382	ug/L
|	Ni	60	55771.988	0.16	27.9008	0.157	0.563	ug/L
|	Cu	65	60093.632	0.17	28.4868	0.121	0.425	ug/L
|	Zn	66	31618.223	0.09	25.0662	0.092	0.368	ug/L
|>	Ge	72	354462.047	354462.05				ug/L
|	As	75	24080.787	0.07	20.8818	0.356	1.705	ug/L
|	Se	77	4723.116	0.01	50.1679	1.438	2.866	ug/L
|	Se	82	2054.270	0.01	17.9299	0.174	0.969	ug/L
⌊	Rb	85	40.334	0.00				mg/L
	Y	89	233374.954	-29689.85				ug/L
	Rh	103	28.000	11.33				ug/L
⌈	Mo	98	72.352	0.00	-0.0313	0.001	1.728	ug/L
|	Ag	107	142071.537	0.41	22.2230	0.247	1.110	ug/L
|	Cd	114	31120.334	0.09	23.4938	0.318	1.354	ug/L
|>	In	115	347700.928	347700.93				ug/L
|	Sn	118	379.474	0.00	0.0556	0.002	4.317	ug/L
⌊	Sb	123	89079.737	0.26	21.2444	0.523	2.462	ug/L
⌈	Ba	135	43094.091	0.10	24.2295	0.105	0.432	ug/L
|	Ce	140	50.005	0.00				ug/L
⌊>	Tb	159	431712.151	431712.15				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	203597.148	0.49	25.0451	0.326	1.302	ug/L
|	Tl	205	507839.294	1.23	25.4696	0.452	1.777	ug/L
|	Pb	206	175488.027	0.42	26.6176	0.338	1.270	ug/L
|	Pb	207	156436.538	0.38	25.0972	0.280	1.117	ug/L
|	Pb	208	718217.466	1.73	25.9590	0.118	0.456	ug/L
|	U	238	1226572.328	2.96	27.9915	0.522	1.865	ug/L
⌊>	Bi	209	414119.146	414119.15				ug/L

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⌈	Na	23	89521.341	0.39	0.0116	0.000	1.103	mg/L
|	Mg	24	8060.723	0.04	-0.0009	0.000	16.032	mg/L
|	K	39	430420.580	-0.02	-0.0076	0.002	31.090	mg/L
|	Ca	43	586.743	0.00	0.0147	0.008	55.904	mg/L
|	Fe	54	131693.282	0.40	0.1221	0.006	5.051	mg/L
|	Fe	57	8471.105	-0.01	-0.0061	0.002	39.023	mg/L
⌊>	Sc-1	45	201953.721	201953.72				mg/L
	Cl	35	58027540.599	58001542.17				mg/L
	Kr	83	74.001	3.67				mg/L
	Br	81	15998.125	5670.12				mg/L
	P	31	23607.976	13946.62				mg/L
	S	34	176872.757	23346.12				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.425			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.529			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.423			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.185			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS DP WG360675-03
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Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 12:49:20
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19669.421	-0.00				ug/L
|	Be	9	1148.066	0.01	3.9420	0.175	4.440	ug/L
|	Al	27	7178074.595	39.38	1261.3306	12.814	1.016	ug/L
⌊>	Sc	45	182229.244	182229.24				ug/L
⌈	Ti	49	11267.472	0.03	20.2671	0.558	2.752	ug/L
|	V	51	152426.575	0.43	16.7484	0.170	1.014	ug/L
|	Cr	52	175469.652	0.48	22.0111	0.317	1.440	ug/L
|	Cr	53	29396.089	0.08	32.4605	0.975	3.003	ug/L
|	Mn	55	764440.753	2.21	65.2550	0.838	1.284	ug/L
|	Co	59	99587.427	0.29	10.7380	0.144	1.338	ug/L
|	Ni	60	62377.231	0.18	32.0216	0.281	0.877	ug/L
|	Cu	65	50026.998	0.14	24.3185	0.462	1.899	ug/L
|	Zn	66	61026.588	0.18	49.8693	0.628	1.260	ug/L
|>	Ge	72	345581.020	345581.02				ug/L
|	As	75	8298.275	0.02	7.5383	0.177	2.342	ug/L
|	Se	77	723.360	0.00	7.0348	0.421	5.982	ug/L
|	Se	82	309.390	0.00	2.8415	0.224	7.880	ug/L
⌊	Rb	85	22261.310	0.06				mg/L
	Y	89	256917.343	-6147.46				ug/L
	Rh	103	30.000	13.33				ug/L
⌈	Mo	98	817.909	0.00	0.2229	0.004	1.803	ug/L
|	Ag	107	25363.712	0.07	4.0345	0.039	0.959	ug/L
|	Cd	114	2855.145	0.01	2.2066	0.060	2.701	ug/L
|>	In	115	340310.517	340310.52				ug/L
|	Sn	118	529.081	0.00	0.0895	0.006	7.127	ug/L
⌊	Sb	123	31642.432	0.09	7.6960	0.109	1.414	ug/L
⌈	Ba	135	100561.771	0.24	59.4647	0.085	0.143	ug/L
|	Ce	140	129722.221	0.32				ug/L
⌊>	Tb	159	410663.948	410663.95				ug/L
⌈	Ho	165	1463.587	0.00				ug/L
|	Tl	203	106565.571	0.28	14.1851	0.240	1.693	ug/L
|	Tl	205	263147.390	0.69	14.2785	0.339	2.371	ug/L
|	Pb	206	61514.575	0.16	10.0631	0.029	0.289	ug/L
|	Pb	207	51798.667	0.13	8.9674	0.031	0.344	ug/L
|	Pb	208	242911.621	0.63	9.4713	0.013	0.137	ug/L
|	U	238	133730.599	0.35	3.2974	0.014	0.419	ug/L
⌊>	Bi	209	382614.614	382614.61				ug/L

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⌈	Na	23	232791.952	1.22	0.0416	0.000	0.886	mg/L
|	Mg	24	58373988.197	320.29	16.9874	0.446	2.626	mg/L
|	K	39	11886123.923	63.08	1.6726	0.035	2.065	mg/L
|	Ca	43	591535.497	3.24	36.4468	1.024	2.810	mg/L
|	Fe	54	1474972.279	7.85	2.4614	0.068	2.782	mg/L
|	Fe	57	599661.336	3.24	2.4292	0.057	2.340	mg/L
⌊>	Sc-1	45	182229.244	182229.24				mg/L
	Cl	35	5505641.093	5479642.66				mg/L
	Kr	83	71.334	1.00				mg/L
	Br	81	9597.271	-730.73				mg/L
	P	31	43704.772	34043.41				mg/L
	S	34	196328.431	42801.79				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.059			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.520			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.527			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.955			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1103074204PS WG360707-01

Sample Date/Time: Monday, April 04, 2011 12:56:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 43
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20203.760	-0.00				ug/L
|	Be	9	16870.892	0.09	55.4034	1.415	2.554	ug/L
|	Al	27	7847966.842	41.38	1325.5547	17.515	1.321	ug/L
⌊>	Sc	45	189597.144	189597.14				ug/L
⌈	Ti	49	11491.085	0.03	20.6785	0.596	2.880	ug/L
|	V	51	635567.173	1.83	70.9580	0.807	1.138	ug/L
|	Cr	52	593030.426	1.69	77.5738	0.661	0.852	ug/L
|	Cr	53	74833.111	0.22	83.2082	0.925	1.112	ug/L
|	Mn	55	1416918.873	4.10	121.0732	1.207	0.997	ug/L
|	Co	59	598054.865	1.73	64.7112	0.666	1.030	ug/L
|	Ni	60	168910.318	0.49	86.9101	0.921	1.060	ug/L
|	Cu	65	162583.326	0.47	79.2121	0.640	0.808	ug/L
|	Zn	66	124280.115	0.36	101.8696	0.957	0.940	ug/L
|>	Ge	72	345366.424	345366.42				ug/L
|	As	75	67809.564	0.20	59.8892	0.719	1.200	ug/L
|	Se	77	5260.717	0.01	57.4979	0.525	0.913	ug/L
|	Se	82	6009.931	0.02	53.6691	0.676	1.260	ug/L
⌊	Rb	85	22752.419	0.07				mg/L
	Y	89	253203.990	-9860.81				ug/L
	Rh	103	58.667	42.00				ug/L
⌈	Mo	98	872.809	0.00	0.2387	0.008	3.530	ug/L
|	Ag	107	356381.808	1.04	56.4384	0.462	0.818	ug/L
|	Cd	114	74461.451	0.22	56.8719	0.728	1.280	ug/L
|>	In	115	343634.544	343634.54				ug/L
|	Sn	118	542.015	0.00	0.0912	0.004	3.996	ug/L
⌊	Sb	123	254359.323	0.74	61.4165	0.710	1.156	ug/L
⌈	Ba	135	194076.886	0.47	113.3411	0.570	0.503	ug/L
|	Ce	140	132137.325	0.32				ug/L
⌊>	Tb	159	415880.462	415880.46				ug/L
⌈	Ho	165	1396.904	0.00				ug/L
|	Tl	203	509562.583	1.34	68.0950	1.705	2.503	ug/L
|	Tl	205	1264116.350	3.31	68.8727	0.238	0.346	ug/L
|	Pb	206	400422.298	1.05	66.0339	0.785	1.189	ug/L
|	Pb	207	348780.026	0.91	60.8226	0.882	1.450	ug/L
|	Pb	208	1607975.698	4.21	63.1777	0.686	1.086	ug/L
|	U	238	2356115.872	6.18	58.3892	0.363	0.622	ug/L
⌊>	Bi	209	381398.144	381398.14				ug/L

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Na	23	225654.016	1.13	0.0384	0.001	2.339	mg/L
Mg	24	59736470.616	315.07	16.7109	0.287	1.716	mg/L
K	39	11813010.447	60.15	1.5946	0.020	1.281	mg/L
Ca	43	598116.561	3.15	35.4137	0.269	0.759	mg/L
Fe	54	1464189.538	7.47	2.3436	0.046	1.952	mg/L
Fe	57	613174.801	3.18	2.3861	0.031	1.287	mg/L
Sc-1	45	189597.144	189597.14				mg/L
Cl	35	5591465.847	5565467.42				mg/L
Kr	83	74.334	4.00				mg/L
Br	81	9877.543	-450.46				mg/L
P	31	44285.300	34623.94				mg/L
S	34	196547.660	43021.02				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		92.002			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		93.423			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		96.741			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		99.637			
Na	23					

Sample ID: L1103074204PS WG360707-01
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103074204SDL WG360707-02

Sample Date/Time: Monday, April 04, 2011 13:03:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 44
Method File: C:\elandata\Method\6020a.mth
Sample Description: 50

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19602.530	0.00				ug/L
|	Be	9	214.669	0.00	0.7662	0.136	17.766	ug/L
|	Al	27	1605412.745	8.95	286.8025	14.855	5.179	ug/L
⌊>	Sc	45	179380.583	179380.58				ug/L
⌈	Ti	49	2230.473	0.01	3.9001	0.372	9.530	ug/L
|	V	51	33990.338	0.09	3.4042	0.072	2.103	ug/L
|	Cr	52	44867.545	0.10	4.5443	0.031	0.690	ug/L
|	Cr	53	7643.685	0.02	8.0324	0.118	1.465	ug/L
|	Mn	55	156024.987	0.44	13.0388	0.097	0.742	ug/L
|	Co	59	20628.796	0.06	2.1555	0.024	1.135	ug/L
|	Ni	60	12827.016	0.04	6.4019	0.039	0.610	ug/L
|	Cu	65	10444.224	0.03	4.9407	0.122	2.469	ug/L
|	Zn	66	14335.412	0.04	11.3219	0.022	0.196	ug/L
|>	Ge	72	351637.371	351637.37				ug/L
|	As	75	1716.331	0.01	1.7273	0.107	6.171	ug/L
|	Se	77	207.335	0.00	1.2588	0.202	16.041	ug/L
|	Se	82	77.836	0.00	0.7644	0.110	14.420	ug/L
⌊	Rb	85	4568.089	0.01				mg/L
	Y	89	243482.761	-19582.04				ug/L
	Rh	103	17.334	0.67				ug/L
⌈	Mo	98	181.204	0.00	0.0047	0.007	137.044	ug/L
|	Ag	107	5381.168	0.02	0.8166	0.012	1.458	ug/L
|	Cd	114	570.637	0.00	0.4338	0.006	1.410	ug/L
|>	In	115	348750.644	348750.64				ug/L
|	Sn	118	191.068	0.00	0.0159	0.001	5.542	ug/L
⌊	Sb	123	7313.694	0.02	1.7192	0.016	0.942	ug/L
⌈	Ba	135	20680.903	0.05	11.9918	0.096	0.802	ug/L
|	Ce	140	27035.871	0.06				ug/L
⌊>	Tb	159	418261.796	418261.80				ug/L
⌈	Ho	165	373.378	0.00				ug/L
|	Tl	203	21695.727	0.06	2.8291	0.025	0.883	ug/L
|	Tl	205	53742.741	0.14	2.8513	0.035	1.231	ug/L
|	Pb	206	12883.090	0.03	2.0257	0.018	0.903	ug/L
|	Pb	207	10789.259	0.03	1.8022	0.008	0.434	ug/L
|	Pb	208	50907.331	0.13	1.9116	0.018	0.951	ug/L
|	U	238	26585.901	0.07	0.6389	0.019	3.046	ug/L
⌊>	Bi	209	389342.129	389342.13				ug/L

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⌈	Na	23	63386.668	0.30	0.0084	0.001	9.750	mg/L
|	Mg	24	11782408.389	65.81	3.4879	0.194	5.567	mg/L
|	K	39	2736254.157	13.12	0.3423	0.016	4.783	mg/L
|	Ca	43	118621.341	0.66	7.4192	0.316	4.253	mg/L
|	Fe	54	329415.956	1.59	0.4955	0.039	7.936	mg/L
|	Fe	57	130512.515	0.68	0.5085	0.025	4.862	mg/L
⌊>	Sc-1	45	179380.583	179380.58				mg/L
	Cl	35	1126248.134	1100249.70				mg/L
	Kr	83	57.334	-13.00				mg/L
	Br	81	9374.394	-953.61				mg/L
	P	31	16551.707	6890.35				mg/L
	S	34	202272.391	48745.75				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.673			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.814			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.295			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.713			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 13:10:43
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18250.007	-0.01				ug/L
|	Be	9	14262.832	0.08	49.4996	1.757	3.549	ug/L
|	Al	27	296243.642	1.64	52.5304	2.780	5.292	ug/L
⌊>	Sc	45	179497.099	179497.10				ug/L
⌈	Ti	49	53950.535	0.15	96.5902	1.481	1.533	ug/L
|	V	51	437094.552	1.25	48.3353	0.230	0.477	ug/L
|	Cr	52	378527.240	1.06	48.6738	0.555	1.141	ug/L
|	Cr	53	44958.670	0.13	49.4892	0.881	1.779	ug/L
|	Mn	55	572268.514	1.64	48.5084	0.612	1.261	ug/L
|	Co	59	458918.632	1.32	49.2891	0.678	1.376	ug/L
|	Ni	60	96898.181	0.28	49.4599	0.719	1.454	ug/L
|	Cu	65	103189.398	0.30	49.8903	0.868	1.740	ug/L
|	Zn	66	62873.331	0.18	51.0386	0.235	0.461	ug/L
| >	Ge	72	347896.801	347896.80				ug/L
|	As	75	55180.164	0.16	48.4301	0.781	1.612	ug/L
|	Se	77	4485.673	0.01	48.5140	1.104	2.276	ug/L
|	Se	82	5468.009	0.02	48.4847	1.144	2.360	ug/L
⌊	Rb	85	2157.588	0.01				mg/L
	Y	89	231437.080	-31627.72				ug/L
	Rh	103	34.667	18.00				ug/L
⌈	Mo	98	286373.512	0.82	94.8884	1.703	1.795	ug/L
|	Ag	107	313753.650	0.90	48.8784	0.463	0.948	ug/L
|	Cd	114	65627.489	0.19	49.3148	0.525	1.065	ug/L
| >	In	115	349304.577	349304.58				ug/L
|	Sn	118	234902.151	0.67	49.1670	0.310	0.630	ug/L
⌊	Sb	123	208377.291	0.60	49.4956	0.392	0.791	ug/L
⌈	Ba	135	86147.689	0.20	49.5746	0.512	1.033	ug/L
|	Ce	140	56.672	0.00				ug/L
⌊>	Tb	159	421982.796	421982.80				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	375320.339	0.98	49.9777	1.027	2.056	ug/L
|	Tl	205	938342.053	2.45	50.9495	0.963	1.890	ug/L
|	Pb	206	303163.120	0.79	49.8095	0.538	1.081	ug/L
|	Pb	207	285722.172	0.75	49.6469	0.879	1.771	ug/L
|	Pb	208	1264401.752	3.30	49.4967	0.425	0.858	ug/L
|	U	238	2059377.960	5.38	50.8613	0.313	0.615	ug/L
⌊>	Bi	209	382722.509	382722.51				ug/L

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Na	23	25616259.420	142.68	5.1266	0.078	1.524	mg/L	
Mg	24	17221946.844	95.95	5.0869	0.091	1.792	mg/L	
K	39	33476165.044	184.41	4.9031	0.129	2.641	mg/L	
Ca	43	79274.235	0.44	4.9438	0.115	2.317	mg/L	
Fe	54	2734597.179	15.00	4.7074	0.235	4.985	mg/L	
Fe	57	1149658.468	6.36	4.7638	0.104	2.181	mg/L	
Sc-1	45	179497.099	179497.10				mg/L	
Cl	35	38135.928	12137.50				mg/L	
Kr	83	66.334	-4.00				mg/L	
Br	81	8915.982	-1412.02				mg/L	
P	31	8857.940	-803.42				mg/L	
S	34	182331.543	28804.91				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	96.671				
Cr	52	97.348				
Cr	53					
Mn	55	97.017				
Co	59	98.578				
Ni	60	98.920				
Cu	65	99.781				
Zn	66	102.077				
Ge	72		92.676			
As	75	96.860				
Se	77					
Se	82	96.969				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.757				
Cd	114	98.630				
In	115		94.965			
Sn	118					
Sb	123	98.991				
Ba	135	99.149				
Ce	140					
Tb	159		98.160			
Ho	165					
Tl	203	99.955				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.993				
U	238	101.723				
Bi	209		99.983			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 13:12:56

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 13:12:56
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 13:17:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19151.712	-0.00				ug/L
|	Be	9	8.667	0.00	0.0492	0.010	20.621	ug/L
|	Al	27	2116.910	0.00	0.0004	0.131	33326.430	ug/L
⌊>	Sc	45	180243.554	180243.55				ug/L
⌈	Ti	49	70.007	0.00	0.0690	0.035	50.071	ug/L
|	V	51	3129.065	0.00	0.0033	0.019	582.381	ug/L
|	Cr	52	10042.809	0.00	-0.0073	0.018	241.848	ug/L
|	Cr	53	1270.209	0.00	1.0431	0.191	18.313	ug/L
|	Mn	55	325.342	-0.00	-0.0353	0.002	4.390	ug/L
|	Co	59	120.002	0.00	-0.0254	0.002	9.256	ug/L
|	Ni	60	56.001	-0.00	-0.0586	0.002	3.374	ug/L
|	Cu	65	86.335	0.00	-0.0201	0.001	5.751	ug/L
|	Zn	66	189.337	0.00	-0.0942	0.005	4.869	ug/L
|>	Ge	72	351960.448	351960.45				ug/L
|	As	75	-193.956	0.00	0.0766	0.029	37.986	ug/L
|	Se	77	92.000	-0.00	-0.0010	0.191	19985.736	ug/L
|	Se	82	11.136	0.00	0.1808	0.102	56.470	ug/L
⌊	Rb	85	21.334	0.00				mg/L
	Y	89	243445.224	-19619.58				ug/L
	Rh	103	13.000	-3.67				ug/L
⌈	Mo	98	302.359	0.00	0.0433	0.016	35.956	ug/L
|	Ag	107	141.669	0.00	-0.0017	0.003	197.876	ug/L
|	Cd	114	-3.327	-0.00	0.0020	0.001	68.726	ug/L
|>	In	115	355183.015	355183.02				ug/L
|	Sn	118	306.005	0.00	0.0389	0.005	13.847	ug/L
⌊	Sb	123	384.417	0.00	0.0684	0.001	1.399	ug/L
⌈	Ba	135	29.334	-0.00	-0.0028	0.005	185.040	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	424593.197	424593.20				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	90.335	0.00	0.0006	0.000	44.844	ug/L
|	Tl	205	186.687	0.00	-0.0079	0.002	25.309	ug/L
|	Pb	206	341.009	-0.00	-0.0025	0.005	192.139	ug/L
|	Pb	207	310.008	0.00	0.0106	0.004	37.582	ug/L
|	Pb	208	1379.384	0.00	0.0035	0.002	63.097	ug/L
|	U	238	218.338	0.00	-0.0014	0.001	59.414	ug/L
⌊>	Bi	209	392615.171	392615.17				ug/L

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 13:20:00
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⌈	Na	23	12672.660	0.01	-0.0018	0.000	10.357	mg/L
|	Mg	24	1750.334	0.01	-0.0025	0.000	4.638	mg/L
|	K	39	403920.928	0.09	-0.0047	0.001	17.513	mg/L
|	Ca	43	303.368	-0.00	0.0009	0.003	312.120	mg/L
|	Fe	54	44286.882	-0.00	-0.0057	0.002	43.472	mg/L
|	Fe	57	7390.139	-0.01	-0.0069	0.002	27.344	mg/L
⌊>	Sc-1	45	180243.554	180243.55				mg/L
	Cl	35	33595.046	7596.62				mg/L
	Kr	83	61.001	-9.33				mg/L
	Br	81	9590.597	-737.40				mg/L
	P	31	10100.442	439.08				mg/L
	S	34	177553.398	24026.76				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.759			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.563			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.767			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.568			
⌈	Na	23					

Sample ID: QC Std 7
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 13:20:00

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: PBW 76 WG360653-02

Sample Date/Time: Monday, April 04, 2011 13:25:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19869.817	-0.00				ug/L
|	Be	9	10.000	0.00	0.0520	0.005	10.548	ug/L
|	Al	27	4267.580	0.01	0.3451	0.027	7.819	ug/L
⌊>	Sc	45	189853.530	189853.53				ug/L
⌈	Ti	49	76.675	0.00	0.0770	0.027	34.778	ug/L
|	V	51	3196.527	0.00	0.0002	0.004	2683.286	ug/L
|	Cr	52	10349.123	0.00	-0.0073	0.021	287.959	ug/L
|	Cr	53	943.472	0.00	0.6535	0.084	12.795	ug/L
|	Mn	55	762.703	0.00	-0.0005	0.002	347.392	ug/L
|	Co	59	100.002	-0.00	-0.0279	0.001	2.105	ug/L
|	Ni	60	79.668	-0.00	-0.0479	0.003	6.911	ug/L
|	Cu	65	107.668	0.00	-0.0114	0.005	40.498	ug/L
|	Zn	66	5188.398	0.01	3.8125	0.058	1.526	ug/L
|>	Ge	72	362714.247	362714.25				ug/L
|	As	75	-233.153	-0.00	0.0488	0.024	48.813	ug/L
|	Se	77	96.000	-0.00	0.0118	0.144	1217.455	ug/L
|	Se	82	-2.542	-0.00	0.0617	0.036	58.760	ug/L
⌊	Rb	85	24.000	0.00				mg/L
	Y	89	250783.984	-12280.82				ug/L
	Rh	103	12.000	-4.67				ug/L
⌈	Mo	98	95.166	0.00	-0.0247	0.002	8.787	ug/L
|	Ag	107	104.335	0.00	-0.0076	0.002	27.041	ug/L
|	Cd	114	4.140	0.00	0.0075	0.001	11.129	ug/L
|>	In	115	358766.036	358766.04				ug/L
|	Sn	118	184.802	0.00	0.0135	0.001	6.278	ug/L
⌊	Sb	123	306.539	0.00	0.0494	0.005	9.515	ug/L
⌈	Ba	135	34.334	-0.00	-0.0001	0.002	2193.475	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	427425.351	427425.35				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	60.334	0.00	-0.0034	0.000	11.204	ug/L
|	Tl	205	150.016	0.00	-0.0100	0.001	6.228	ug/L
|	Pb	206	345.676	-0.00	-0.0024	0.004	145.783	ug/L
|	Pb	207	301.674	0.00	0.0085	0.002	27.019	ug/L
|	Pb	208	1415.721	0.00	0.0042	0.001	21.885	ug/L
|	U	238	64.001	0.00	-0.0052	0.000	3.364	ug/L
⌊>	Bi	209	397287.895	397287.89				ug/L

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⌈	Na	23	20583.224	0.05	-0.0005	0.000	48.080	mg/L
|	Mg	24	1660.304	0.01	-0.0025	0.000	1.334	mg/L
|	K	39	406429.069	-0.01	-0.0073	0.003	39.644	mg/L
|	Ca	43	273.364	-0.00	-0.0019	0.002	121.431	mg/L
|	Fe	54	45617.785	-0.01	-0.0073	0.006	79.637	mg/L
|	Fe	57	7213.322	-0.01	-0.0091	0.001	12.383	mg/L
⌊>	Sc-1	45	189853.530	189853.53				mg/L
	Cl	35	32493.401	6494.97				mg/L
	Kr	83	62.334	-8.00				mg/L
	Br	81	9762.768	-565.23				mg/L
	P	31	10196.544	535.18				mg/L
	S	34	172036.819	18510.18				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.624			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.537			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.426			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.788			
⌈	Na	23					

Sample ID: PBW 76 WG360653-02
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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 76 WG360653-02
Report Date/Time: Monday, April 04, 2011 13:27:19
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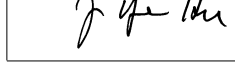

Method 6020 - Summary Report

Sample ID: F BLANK WG360540-01

Sample Date/Time: Monday, April 04, 2011 13:32:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18667.467	-0.01				ug/L
|	Be	9	10.667	0.00	0.0553	0.025	45.149	ug/L
|	Al	27	4084.175	0.01	0.3173	0.059	18.511	ug/L
|>	Sc	45	188784.311	188784.31				ug/L
⌈	Ti	49	56.672	0.00	0.0435	0.009	20.622	ug/L
|	V	51	3065.047	0.00	-0.0107	0.008	70.465	ug/L
|	Cr	52	10247.351	0.00	-0.0073	0.008	114.338	ug/L
|	Cr	53	893.463	0.00	0.6108	0.179	29.379	ug/L
|	Mn	55	693.031	0.00	-0.0056	0.002	28.418	ug/L
|	Co	59	101.335	-0.00	-0.0276	0.000	1.209	ug/L
|	Ni	60	77.001	-0.00	-0.0488	0.002	4.760	ug/L
|	Cu	65	105.668	0.00	-0.0118	0.003	27.306	ug/L
|	Zn	66	2898.116	0.01	2.0429	0.026	1.275	ug/L
|>	Ge	72	359158.381	359158.38				ug/L
|	As	75	-195.550	0.00	0.0785	0.023	29.072	ug/L
|	Se	77	100.001	-0.00	0.0633	0.163	257.588	ug/L
|	Se	82	8.855	0.00	0.1591	0.058	36.516	ug/L
⌊	Rb	85	24.000	0.00				mg/L
	Y	89	245622.064	-17442.74				ug/L
	Rh	103	13.333	-3.33				ug/L
⌈	Mo	98	49.087	0.00	-0.0395	0.004	10.125	ug/L
|	Ag	107	82.335	0.00	-0.0109	0.002	22.562	ug/L
|	Cd	114	0.887	-0.00	0.0050	0.004	82.231	ug/L
|>	In	115	358252.109	358252.11				ug/L
|	Sn	118	140.001	0.00	0.0044	0.002	53.464	ug/L
⌊	Sb	123	252.745	0.00	0.0372	0.005	13.377	ug/L
⌈	Ba	135	32.334	-0.00	-0.0012	0.002	198.281	ug/L
|	Ce	140	30.003	0.00				ug/L
|>	Tb	159	426954.173	426954.17				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	57.334	0.00	-0.0037	0.001	19.624	ug/L
|	Tl	205	126.680	0.00	-0.0111	0.001	9.654	ug/L
|	Pb	206	336.342	-0.00	-0.0034	0.003	96.546	ug/L
|	Pb	207	325.009	0.00	0.0129	0.002	14.945	ug/L
|	Pb	208	1404.386	0.00	0.0043	0.001	29.506	ug/L
|	U	238	42.334	0.00	-0.0057	0.000	6.415	ug/L
|>	Bi	209	393605.568	393605.57				ug/L

Sample ID: F BLANK WG360540-01
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⌈	Na	23	18599.150	0.04	-0.0008	0.000	29.135	mg/L
|	Mg	24	1090.168	0.01	-0.0027	0.000	0.867	mg/L
|	K	39	404474.768	-0.01	-0.0072	0.003	44.299	mg/L
|	Ca	43	296.701	-0.00	-0.0003	0.003	1133.339	mg/L
|	Fe	54	47439.266	0.00	-0.0039	0.001	22.042	mg/L
|	Fe	57	7513.574	-0.01	-0.0077	0.002	27.238	mg/L
⌊>	Sc-1	45	188784.311	188784.31				mg/L
	Cl	35	28327.414	2328.98				mg/L
	Kr	83	55.001	-15.33				mg/L
	Br	81	9982.986	-345.01				mg/L
	P	31	10380.745	719.39				mg/L
	S	34	180717.907	27191.27				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.676			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.398			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.317			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.826			
⌈	Na	23					

Sample ID: F BLANK WG360540-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK WG360540-01
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: F BLANK WG360592-01

Sample Date/Time: Monday, April 04, 2011 13:39:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19686.075	-0.01				ug/L
|	Be	9	8.000	0.00	0.0452	0.011	24.446	ug/L
|	Al	27	4234.235	0.01	0.3299	0.066	20.136	ug/L
⌊>	Sc	45	192518.946	192518.95				ug/L
⌈	Ti	49	50.005	0.00	0.0312	0.046	147.585	ug/L
|	V	51	3040.656	0.00	-0.0168	0.022	131.125	ug/L
|	Cr	52	10334.442	0.00	-0.0105	0.025	242.768	ug/L
|	Cr	53	863.457	0.00	0.5675	0.055	9.680	ug/L
|	Mn	55	663.362	0.00	-0.0086	0.002	20.094	ug/L
|	Co	59	94.335	-0.00	-0.0285	0.000	1.270	ug/L
|	Ni	60	73.334	-0.00	-0.0510	0.004	7.893	ug/L
|	Cu	65	109.002	0.00	-0.0109	0.003	32.116	ug/L
|	Zn	66	2200.931	0.01	1.4734	0.050	3.392	ug/L
|>	Ge	72	363088.161	363088.16				ug/L
|	As	75	-237.643	-0.00	0.0452	0.029	63.811	ug/L
|	Se	77	92.000	-0.00	-0.0318	0.225	705.058	ug/L
|	Se	82	4.136	0.00	0.1184	0.030	25.595	ug/L
⌊	Rb	85	22.667	0.00				mg/L
	Y	89	246749.049	-16315.75				ug/L
	Rh	103	13.667	-3.00				ug/L
⌈	Mo	98	41.087	0.00	-0.0421	0.004	8.870	ug/L
|	Ag	107	66.001	0.00	-0.0134	0.001	4.730	ug/L
|	Cd	114	1.947	0.00	0.0058	0.002	36.968	ug/L
|>	In	115	357473.780	357473.78				ug/L
|	Sn	118	120.667	-0.00	0.0005	0.001	139.540	ug/L
⌊	Sb	123	200.410	0.00	0.0251	0.004	14.679	ug/L
⌈	Ba	135	28.000	-0.00	-0.0037	0.003	77.475	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	427161.381	427161.38				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	45.667	-0.00	-0.0052	0.000	8.593	ug/L
|	Tl	205	130.014	0.00	-0.0110	0.003	25.571	ug/L
|	Pb	206	339.342	-0.00	-0.0031	0.001	20.076	ug/L
|	Pb	207	336.342	0.00	0.0147	0.002	14.945	ug/L
|	Pb	208	1405.719	0.00	0.0042	0.000	7.129	ug/L
|	U	238	32.000	0.00	-0.0059	0.000	2.834	ug/L
⌊>	Bi	209	394546.480	394546.48				ug/L

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⌈	Na	23	18979.916	0.04	-0.0008	0.000	16.115	mg/L
|	Mg	24	1313.551	0.01	-0.0026	0.000	0.694	mg/L
|	K	39	399084.799	-0.08	-0.0092	0.001	14.975	mg/L
|	Ca	43	303.368	-0.00	-0.0003	0.003	1104.924	mg/L
|	Fe	54	47674.715	-0.00	-0.0051	0.005	90.358	mg/L
|	Fe	57	7580.297	-0.01	-0.0081	0.001	6.938	mg/L
⌊>	Sc-1	45	192518.946	192518.95				mg/L
	Cl	35	26269.808	271.38				mg/L
	Kr	83	61.001	-9.33				mg/L
	Br	81	9965.632	-362.37				mg/L
	P	31	11285.723	1624.36				mg/L
	S	34	176597.704	23071.07				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
\>	Ge	72		96.723			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
\>	In	115		97.186			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.365			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.072			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK WG360592-01
Report Date/Time: Monday, April 04, 2011 13:41:29
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Method 6020 - Summary Report

Sample ID: F BLANK WG360653-04

Sample Date/Time: Monday, April 04, 2011 13:46:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20971.978	0.00				ug/L
|	Be	9	5.333	-0.00	0.0369	0.014	36.713	ug/L
|	Al	27	3784.067	0.01	0.2676	0.116	43.257	ug/L
⌊>	Sc	45	188459.448	188459.45				ug/L
⌈	Ti	49	56.673	0.00	0.0427	0.036	83.725	ug/L
|	V	51	3108.391	0.00	-0.0085	0.007	79.974	ug/L
|	Cr	52	10364.473	0.00	-0.0028	0.005	171.046	ug/L
|	Cr	53	636.751	0.00	0.3291	0.041	12.431	ug/L
|	Mn	55	742.702	0.00	-0.0020	0.003	130.520	ug/L
|	Co	59	93.001	-0.00	-0.0286	0.000	0.168	ug/L
|	Ni	60	97.668	-0.00	-0.0390	0.001	3.030	ug/L
|	Cu	65	98.335	0.00	-0.0157	0.004	27.858	ug/L
|	Zn	66	4599.437	0.01	3.3591	0.055	1.626	ug/L
|>	Ge	72	362002.172	362002.17				ug/L
|	As	75	-200.360	0.00	0.0762	0.034	44.091	ug/L
|	Se	77	90.667	-0.00	-0.0437	0.208	476.954	ug/L
|	Se	82	8.467	0.00	0.1549	0.037	23.576	ug/L
⌊	Rb	85	25.000	0.00				mg/L
	Y	89	249512.941	-13551.86				ug/L
	Rh	103	12.667	-4.00				ug/L
⌈	Mo	98	35.799	0.00	-0.0439	0.002	4.848	ug/L
|	Ag	107	63.668	0.00	-0.0138	0.001	4.921	ug/L
|	Cd	114	1.424	-0.00	0.0055	0.002	37.272	ug/L
|>	In	115	359450.464	359450.46				ug/L
|	Sn	118	124.267	0.00	0.0011	0.001	81.406	ug/L
⌊	Sb	123	177.451	0.00	0.0195	0.003	16.807	ug/L
⌈	Ba	135	31.667	-0.00	-0.0018	0.002	82.429	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	432218.563	432218.56				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	50.001	0.00	-0.0046	0.001	18.277	ug/L
|	Tl	205	76.675	0.00	-0.0138	0.002	17.738	ug/L
|	Pb	206	361.010	0.00	0.0009	0.003	312.029	ug/L
|	Pb	207	310.675	0.00	0.0109	0.003	30.567	ug/L
|	Pb	208	1424.054	0.00	0.0054	0.001	27.205	ug/L
|	U	238	31.667	0.00	-0.0059	0.000	0.641	ug/L
⌊>	Bi	209	390824.470	390824.47				ug/L

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⌈	Na	23	22079.896	0.06	-0.0002	0.000	27.139	mg/L
|	Mg	24	1363.563	0.01	-0.0026	0.000	1.089	mg/L
|	K	39	400606.051	-0.03	-0.0078	0.001	11.824	mg/L
|	Ca	43	300.035	-0.00	-0.0001	0.001	763.168	mg/L
|	Fe	54	45707.631	-0.01	-0.0067	0.002	27.554	mg/L
|	Fe	57	7643.699	-0.01	-0.0072	0.003	38.076	mg/L
⌊>	Sc-1	45	188459.448	188459.45				mg/L
	Cl	35	25497.138	-501.29				mg/L
	Kr	83	61.334	-9.00				mg/L
	Br	81	9947.613	-380.39				mg/L
	P	31	10137.138	475.78				mg/L
	S	34	173938.543	20411.91				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.434			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.723			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.541			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.100			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK WG360653-04
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Method 6020 - Summary Report

Sample ID: LCSW 76 WG360653-03

Sample Date/Time: Monday, April 04, 2011 13:53:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21489.771	-0.00				ug/L
|	Be	9	7306.003	0.04	23.1089	1.059	4.583	ug/L
|	Al	27	165848.715	0.83	26.6091	1.558	5.856	ug/L
|>	Sc	45	197109.015	197109.01				ug/L
⌈	Ti	49	70.007	0.00	0.0647	0.018	27.777	ug/L
|	V	51	247529.469	0.67	25.9106	0.414	1.598	ug/L
|	Cr	52	222819.091	0.58	26.7023	0.029	0.107	ug/L
|	Cr	53	25394.751	0.07	26.4605	0.856	3.233	ug/L
|	Mn	55	334169.700	0.91	26.9445	0.190	0.706	ug/L
|	Co	59	257992.524	0.71	26.3678	0.294	1.115	ug/L
|	Ni	60	55074.478	0.15	26.7269	0.225	0.843	ug/L
|	Cu	65	58674.560	0.16	26.9845	0.400	1.481	ug/L
|	Zn	66	32465.606	0.09	24.9713	0.247	0.990	ug/L
|>	Ge	72	365347.117	365347.12				ug/L
|	As	75	26875.983	0.07	22.5895	0.211	0.935	ug/L
|	Se	77	2074.215	0.01	20.8005	0.137	0.658	ug/L
|	Se	82	2379.466	0.01	20.1372	0.583	2.896	ug/L
⌊	Rb	85	43.001	0.00				mg/L
	Y	89	250750.383	-12314.42				ug/L
	Rh	103	24.334	7.67				ug/L
⌈	Mo	98	54.201	0.00	-0.0382	0.002	5.147	ug/L
|	Ag	107	157298.765	0.43	23.4698	0.091	0.386	ug/L
|	Cd	114	33402.842	0.09	24.0546	0.379	1.574	ug/L
|>	In	115	364521.114	364521.11				ug/L
|	Sn	118	159.335	0.00	0.0078	0.002	28.768	ug/L
⌊	Sb	123	105186.344	0.29	23.9298	0.051	0.213	ug/L
⌈	Ba	135	47350.647	0.11	26.2410	0.373	1.422	ug/L
|	Ce	140	80.008	0.00				ug/L
|>	Tb	159	438044.847	438044.85				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	203137.532	0.51	25.8073	0.137	0.529	ug/L
|	Tl	205	506776.897	1.26	26.2500	0.593	2.260	ug/L
|	Pb	206	173573.916	0.43	27.1899	0.294	1.082	ug/L
|	Pb	207	153287.113	0.38	25.3975	0.121	0.476	ug/L
|	Pb	208	704438.804	1.75	26.2944	0.186	0.709	ug/L
|	U	238	1115085.645	2.78	26.2803	0.165	0.630	ug/L
|>	Bi	209	401000.645	401000.64				ug/L

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⌈	Na	23	707156.110	3.53	0.1247	0.005	4.265	mg/L
|	Mg	24	3951.176	0.02	-0.0019	0.000	1.232	mg/L
|	K	39	393986.914	-0.15	-0.0111	0.002	20.462	mg/L
|	Ca	43	356.709	0.00	0.0024	0.004	170.419	mg/L
|	Fe	54	98349.190	0.25	0.0740	0.005	6.188	mg/L
|	Fe	57	8571.204	-0.01	-0.0050	0.002	29.938	mg/L
⌊>	Sc-1	45	197109.015	197109.01				mg/L
	Cl	35	30965.912	4967.48				mg/L
	Kr	83	60.001	-10.33				mg/L
	Br	81	11006.721	678.72				mg/L
	P	31	20845.129	11183.77				mg/L
	S	34	178067.554	24540.92				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.325			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.102			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.896			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		104.758			
⌈	Na	23					

Sample ID: LCSW 76 WG360653-03
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 76 WG360653-03
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Method 6020 - Summary Report

Sample ID: L1103104602

Sample Date/Time: Monday, April 04, 2011 14:00:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21372.830	0.00				ug/L
|	Be	9	20.000	0.00	0.0838	0.024	28.110	ug/L
|	Al	27	314506.727	1.62	51.7137	3.811	7.369	ug/L
⌊>	Sc	45	193334.439	193334.44				ug/L
⌈	Ti	49	1190.196	0.00	1.9459	0.713	36.646	ug/L
|	V	51	6748.949	0.01	0.3648	0.001	0.287	ug/L
|	Cr	52	11800.077	0.00	0.1459	0.029	20.154	ug/L
|	Cr	53	670.090	0.00	0.3472	0.128	36.784	ug/L
|	Mn	55	19062.011	0.05	1.4571	0.011	0.750	ug/L
|	Co	59	268.340	0.00	-0.0111	0.001	11.549	ug/L
|	Ni	60	386.678	0.00	0.0987	0.019	19.011	ug/L
|	Cu	65	7494.216	0.02	3.3461	0.024	0.726	ug/L
|	Zn	66	4737.169	0.01	3.3831	0.005	0.158	ug/L
| >	Ge	72	370336.278	370336.28				ug/L
|	As	75	169.482	0.00	0.3831	0.037	9.674	ug/L
|	Se	77	94.667	-0.00	-0.0235	0.151	641.124	ug/L
|	Se	82	12.470	0.00	0.1872	0.047	24.929	ug/L
⌊	Rb	85	1898.199	0.01				mg/L
	Y	89	249253.500	-13811.30				ug/L
	Rh	103	10.667	-6.00				ug/L
⌈	Mo	98	498.109	0.00	0.1032	0.007	6.937	ug/L
|	Ag	107	101.002	0.00	-0.0083	0.002	20.724	ug/L
|	Cd	114	10.907	0.00	0.0123	0.004	33.774	ug/L
| >	In	115	363789.162	363789.16				ug/L
|	Sn	118	205.869	0.00	0.0172	0.002	9.914	ug/L
⌊	Sb	123	386.291	0.00	0.0667	0.008	11.694	ug/L
⌈	Ba	135	2505.339	0.01	1.3836	0.032	2.341	ug/L
|	Ce	140	1783.687	0.00				ug/L
⌊>	Tb	159	433660.646	433660.65				ug/L
⌈	Ho	165	53.339	0.00				ug/L
|	Tl	203	59.667	0.00	-0.0036	0.001	23.853	ug/L
|	Tl	205	120.013	0.00	-0.0116	0.001	12.339	ug/L
|	Pb	206	5907.138	0.01	0.8687	0.021	2.453	ug/L
|	Pb	207	5075.338	0.01	0.7991	0.011	1.340	ug/L
|	Pb	208	23774.784	0.06	0.8385	0.006	0.697	ug/L
|	U	238	869.380	0.00	0.0137	0.001	4.268	ug/L
⌊>	Bi	209	401587.083	401587.08				ug/L

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Na	23	6865520.627	35.46	1.2722	0.015	1.179	mg/L	
Mg	24	976871.917	5.05	0.2650	0.002	0.727	mg/L	
K	39	3770113.350	17.34	0.4548	0.007	1.543	mg/L	
Ca	43	45953.317	0.24	2.6521	0.095	3.571	mg/L	
Fe	54	77929.889	0.15	0.0438	0.003	7.818	mg/L	
Fe	57	17764.212	0.04	0.0312	0.002	6.445	mg/L	
> Sc-1	45	193334.439	193334.44				mg/L	
Cl	35	28573.435	2575.01				mg/L	
Kr	83	61.001	-9.33				mg/L	
Br	81	11698.172	1370.17				mg/L	
P	31	25952.994	16291.63				mg/L	
S	34	241101.356	87574.72				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.654			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		98.903			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		100.877			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		104.912			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702

Sample Date/Time: Monday, April 04, 2011 14:07:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22625.624	0.01				ug/L
|	Be	9	14.667	0.00	0.0671	0.030	44.916	ug/L
|	Al	27	21372.911	0.10	3.1826	0.347	10.913	ug/L
⌊>	Sc	45	192689.310	192689.31				ug/L
⌈	Ti	49	313.370	0.00	0.4803	0.131	27.321	ug/L
|	V	51	10324.803	0.02	0.7546	0.008	1.084	ug/L
|	Cr	52	12832.691	0.01	0.2970	0.013	4.300	ug/L
|	Cr	53	713.431	0.00	0.4041	0.165	40.826	ug/L
|	Mn	55	2846.100	0.01	0.1676	0.006	3.415	ug/L
|	Co	59	452.015	0.00	0.0081	0.002	19.227	ug/L
|	Ni	60	1177.414	0.00	0.4868	0.017	3.534	ug/L
|	Cu	65	31549.010	0.09	14.4931	0.224	1.544	ug/L
|	Zn	66	3624.360	0.01	2.5707	0.015	0.596	ug/L
|>	Ge	72	365025.366	365025.37				ug/L
|	As	75	233.005	0.00	0.4378	0.026	5.941	ug/L
|	Se	77	94.000	-0.00	-0.0160	0.112	697.524	ug/L
|	Se	82	22.099	0.00	0.2696	0.024	9.068	ug/L
⌊	Rb	85	1289.096	0.00				mg/L
	Y	89	243885.743	-19179.06				ug/L
	Rh	103	21.334	4.67				ug/L
⌈	Mo	98	4209.385	0.01	1.3015	0.036	2.800	ug/L
|	Ag	107	96.335	0.00	-0.0088	0.001	10.799	ug/L
|	Cd	114	8.038	0.00	0.0103	0.004	43.100	ug/L
|>	In	115	359255.340	359255.34				ug/L
|	Sn	118	222.802	0.00	0.0212	0.003	15.334	ug/L
⌊	Sb	123	642.519	0.00	0.1270	0.006	5.011	ug/L
⌈	Ba	135	22208.859	0.05	12.4947	0.130	1.038	ug/L
|	Ce	140	126.680	0.00				ug/L
⌊>	Tb	159	431088.435	431088.44				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	49.334	0.00	-0.0049	0.001	23.191	ug/L
|	Tl	205	103.344	0.00	-0.0125	0.002	13.423	ug/L
|	Pb	206	581.356	0.00	0.0331	0.003	9.303	ug/L
|	Pb	207	516.685	0.00	0.0428	0.006	14.730	ug/L
|	Pb	208	2365.468	0.00	0.0383	0.004	10.683	ug/L
|	U	238	4592.100	0.01	0.1004	0.001	1.459	ug/L
⌊>	Bi	209	405486.386	405486.39				ug/L

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⌈	Na	23	11188108.857	58.05	2.0842	0.098	4.683	mg/L
|	Mg	24	282356.609	1.47	0.0748	0.003	3.968	mg/L
|	K	39	2804586.104	12.40	0.3233	0.010	3.110	mg/L
|	Ca	43	202803.118	1.05	11.8068	0.358	3.035	mg/L
|	Fe	54	56142.647	0.04	0.0087	0.003	38.848	mg/L
|	Fe	57	16381.749	0.04	0.0261	0.004	17.157	mg/L
⌊>	Sc-1	45	192689.310	192689.31				mg/L
	Cl	35	40450.313	14451.88				mg/L
	Kr	83	65.334	-5.00				mg/L
	Br	81	12973.744	2645.74				mg/L
	P	31	14666.081	5004.72				mg/L
	S	34	494237.197	340710.56				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.239			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.670			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.278			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		105.930			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104702
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Method 6020 - Summary Report

Sample ID: L1103104702PS WG360676-01

Sample Date/Time: Monday, April 04, 2011 14:14:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22258.105	0.01				ug/L
|	Be	9	16015.483	0.09	53.0676	2.071	3.903	ug/L
|	Al	27	311650.639	1.65	52.7173	0.072	0.137	ug/L
⌊>	Sc	45	188035.616	188035.62				ug/L
⌈	Ti	49	336.706	0.00	0.5378	0.094	17.532	ug/L
|	V	51	466942.015	1.31	50.7743	0.903	1.778	ug/L
|	Cr	52	410722.973	1.13	51.9979	0.694	1.335	ug/L
|	Cr	53	47902.574	0.13	51.8417	0.200	0.386	ug/L
|	Mn	55	635829.868	1.80	52.9765	0.280	0.529	ug/L
|	Co	59	499742.372	1.41	52.7582	0.838	1.589	ug/L
|	Ni	60	107626.155	0.30	54.0034	0.713	1.320	ug/L
|	Cu	65	146571.157	0.41	69.6731	0.696	0.999	ug/L
|	Zn	66	68315.582	0.19	54.5274	0.828	1.519	ug/L
|>	Ge	72	353951.840	353951.84				ug/L
|	As	75	57719.078	0.16	49.7801	0.188	0.378	ug/L
|	Se	77	4592.388	0.01	48.8290	0.908	1.859	ug/L
|	Se	82	5413.388	0.02	47.1775	0.340	0.720	ug/L
⌊	Rb	85	1274.427	0.00				mg/L
	Y	89	233006.375	-30058.43				ug/L
	Rh	103	53.334	36.67				ug/L
⌈	Mo	98	4201.349	0.01	1.3481	0.016	1.155	ug/L
|	Ag	107	327770.686	0.95	51.4561	0.114	0.221	ug/L
|	Cd	114	68209.948	0.20	51.6476	0.681	1.318	ug/L
|>	In	115	346641.546	346641.55				ug/L
|	Sn	118	197.602	0.00	0.0175	0.002	8.621	ug/L
⌊	Sb	123	213040.270	0.61	50.9921	0.314	0.616	ug/L
⌈	Ba	135	109440.696	0.26	63.4907	0.449	0.707	ug/L
|	Ce	140	136.681	0.00				ug/L
⌊>	Tb	159	418600.626	418600.63				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	404066.388	1.01	51.6462	0.797	1.542	ug/L
|	Tl	205	992797.357	2.49	51.7482	1.415	2.734	ug/L
|	Pb	206	341651.379	0.86	53.8898	0.982	1.823	ug/L
|	Pb	207	303128.129	0.76	50.5606	0.523	1.034	ug/L
|	Pb	208	1384795.996	3.47	52.0431	0.760	1.461	ug/L
|	U	238	2251844.285	5.65	53.3892	0.473	0.885	ug/L
⌊>	Bi	209	398680.663	398680.66				ug/L

Sample ID: L1103104702PS WG360676-01
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⌈	Na	23	11404478.569	60.60	2.1759	0.008	0.356	mg/L
|	Mg	24	282365.541	1.50	0.0767	0.002	3.026	mg/L
|	K	39	2820784.752	12.85	0.3352	0.013	3.890	mg/L
|	Ca	43	209424.753	1.11	12.5016	0.570	4.558	mg/L
|	Fe	54	58713.579	0.06	0.0153	0.003	18.942	mg/L
|	Fe	57	16014.415	0.04	0.0262	0.001	3.331	mg/L
⌊>	Sc-1	45	188035.616	188035.62				mg/L
	Cl	35	40418.189	14419.76				mg/L
	Kr	83	57.001	-13.33				mg/L
	Br	81	12395.679	2067.68				mg/L
	P	31	16910.363	7249.00				mg/L
	S	34	487235.496	333708.86				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.289			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.241			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.373			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		104.152			
⌈	Na	23					

Sample ID: L1103104702PS WG360676-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702SDL WG360676-02

Sample Date/Time: Monday, April 04, 2011 14:21:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21606.686	0.00				ug/L
|	Be	9	10.667	0.00	0.0538	0.020	36.469	ug/L
|	Al	27	5885.088	0.02	0.6117	0.117	19.046	ug/L
⌊>	Sc	45	190821.439	190821.44				ug/L
⌈	Ti	49	136.681	0.00	0.1814	0.076	41.893	ug/L
|	V	51	4371.225	0.00	0.1292	0.019	14.620	ug/L
|	Cr	52	10558.010	0.00	0.0294	0.032	109.440	ug/L
|	Cr	53	483.393	0.00	0.1683	0.031	18.565	ug/L
|	Mn	55	918.051	0.00	0.0127	0.003	24.880	ug/L
|	Co	59	182.670	0.00	-0.0192	0.001	3.119	ug/L
|	Ni	60	251.672	0.00	0.0374	0.006	15.665	ug/L
|	Cu	65	6371.426	0.02	2.9190	0.013	0.461	ug/L
|	Zn	66	3609.021	0.01	2.5979	0.066	2.535	ug/L
|>	Ge	72	359992.041	359992.04				ug/L
|	As	75	-91.951	0.00	0.1665	0.023	13.934	ug/L
|	Se	77	86.667	-0.00	-0.0811	0.244	300.599	ug/L
|	Se	82	7.484	0.00	0.1476	0.101	68.671	ug/L
⌊	Rb	85	270.340	0.00				mg/L
	Y	89	238129.225	-24935.58				ug/L
	Rh	103	10.333	-6.33				ug/L
⌈	Mo	98	837.541	0.00	0.2229	0.001	0.617	ug/L
|	Ag	107	75.668	0.00	-0.0116	0.004	33.668	ug/L
|	Cd	114	7.915	0.00	0.0104	0.002	18.968	ug/L
|>	In	115	348411.711	348411.71				ug/L
|	Sn	118	106.401	-0.00	-0.0019	0.001	36.612	ug/L
⌊	Sb	123	649.310	0.00	0.1333	0.010	7.553	ug/L
⌈	Ba	135	4353.991	0.01	2.4939	0.010	0.413	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	420787.959	420787.96				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	61.001	0.00	-0.0035	0.002	43.213	ug/L
|	Tl	205	156.684	0.00	-0.0098	0.000	3.638	ug/L
|	Pb	206	403.346	0.00	0.0051	0.002	41.497	ug/L
|	Pb	207	355.010	0.00	0.0160	0.001	3.250	ug/L
|	Pb	208	1618.734	0.00	0.0104	0.001	13.152	ug/L
|	U	238	1153.745	0.00	0.0201	0.002	8.636	ug/L
⌊>	Bi	209	407207.949	407207.95				ug/L

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⌈	Na	23	2278861.639	11.89	0.4250	0.004	0.831	mg/L
|	Mg	24	57483.841	0.30	0.0130	0.000	2.442	mg/L
|	K	39	958178.217	2.87	0.0694	0.004	5.102	mg/L
|	Ca	43	42045.785	0.22	2.4573	0.044	1.775	mg/L
|	Fe	54	47346.643	-0.00	-0.0049	0.003	62.850	mg/L
|	Fe	57	9208.494	-0.00	-0.0014	0.002	141.636	mg/L
⌊>	Sc-1	45	190821.439	190821.44				mg/L
	Cl	35	24988.524	-1009.91				mg/L
	Kr	83	59.334	-11.00				mg/L
	Br	81	9830.163	-497.84				mg/L
	P	31	10129.129	467.77				mg/L
	S	34	240566.062	87039.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.898			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.722			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.882			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		106.380			
⌈	Na	23					

Sample ID: L1103104702SDL WG360676-02
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 14:29:03
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.829	0.01				ug/L
|	Be	9	15624.866	0.09	54.4711	0.551	1.011	ug/L
|	Al	27	291230.646	1.62	51.8677	1.244	2.398	ug/L
⌊>	Sc	45	178614.872	178614.87				ug/L
⌈	Ti	49	54604.168	0.16	97.6307	2.338	2.395	ug/L
|	V	51	443541.745	1.27	48.9889	0.501	1.023	ug/L
|	Cr	52	385151.181	1.08	49.4782	0.516	1.043	ug/L
|	Cr	53	44128.233	0.13	48.5053	0.988	2.038	ug/L
|	Mn	55	591685.070	1.70	50.0880	0.348	0.695	ug/L
|	Co	59	469585.277	1.35	50.3664	0.243	0.483	ug/L
|	Ni	60	98592.645	0.28	50.2591	0.726	1.445	ug/L
|	Cu	65	106167.344	0.30	51.2610	0.539	1.052	ug/L
|	Zn	66	65816.539	0.19	53.3693	0.468	0.876	ug/L
| >	Ge	72	348357.345	348357.35				ug/L
|	As	75	55200.910	0.16	48.3798	0.265	0.548	ug/L
|	Se	77	4557.705	0.01	49.2490	1.230	2.498	ug/L
|	Se	82	5429.945	0.02	48.0797	0.896	1.863	ug/L
⌊	Rb	85	2220.935	0.01				mg/L
	Y	89	230956.137	-32108.66				ug/L
	Rh	103	37.334	20.67				ug/L
⌈	Mo	98	285799.407	0.83	96.5769	0.775	0.803	ug/L
|	Ag	107	313535.206	0.92	49.8176	0.279	0.560	ug/L
|	Cd	114	65754.038	0.19	50.3917	0.401	0.797	ug/L
| >	In	115	342486.357	342486.36				ug/L
|	Sn	118	236643.032	0.69	50.5165	0.096	0.190	ug/L
⌊	Sb	123	206021.235	0.60	49.9092	0.347	0.696	ug/L
⌈	Ba	135	84413.294	0.20	49.3070	0.081	0.165	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	415704.727	415704.73				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	376203.595	0.96	48.7475	0.496	1.017	ug/L
|	Tl	205	937683.269	2.38	49.5448	0.395	0.797	ug/L
|	Pb	206	308009.952	0.78	49.2486	0.459	0.932	ug/L
|	Pb	207	292159.805	0.74	49.4004	0.488	0.989	ug/L
|	Pb	208	1300384.211	3.30	49.5414	0.377	0.761	ug/L
|	U	238	2189994.219	5.57	52.6419	0.717	1.362	ug/L
⌊>	Bi	209	393244.734	393244.73				ug/L

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Na	23	25798767.771	144.41	5.1886	0.107	2.066	mg/L	
Mg	24	17099365.695	95.75	5.0763	0.068	1.335	mg/L	
K	39	33416835.056	185.01	4.9191	0.143	2.901	mg/L	
Ca	43	81885.414	0.46	5.1333	0.162	3.154	mg/L	
Fe	54	2820772.794	15.55	4.8805	0.112	2.292	mg/L	
Fe	57	1192173.253	6.63	4.9663	0.121	2.428	mg/L	
Sc-1	45	178614.872	178614.87				mg/L	
Cl	35	19929.842	-6068.59				mg/L	
Kr	83	71.668	1.33				mg/L	
Br	81	9014.728	-1313.27				mg/L	
P	31	9503.883	-157.48				mg/L	
S	34	178302.213	24775.58				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	97.978				
Cr	52	98.956				
Cr	53					
Mn	55	100.176				
Co	59	100.733				
Ni	60	100.518				
Cu	65	102.522				
Zn	66	106.739				
Ge	72		92.799			
As	75	96.760				
Se	77					
Se	82	96.159				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.635				
Cd	114	100.783				
In	115		93.111			
Sn	118					
Sb	123	99.818				
Ba	135	98.614				
Ce	140					
Tb	159		96.700			
Ho	165					
Tl	203	97.495				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.083				
U	238	105.284				
Bi	209		102.732			
Na	23					

Sample ID: QC Std 6
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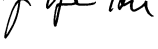

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 14:31:16

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 14:36:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21072.190	0.00				ug/L
|	Be	9	10.000	0.00	0.0521	0.006	10.719	ug/L
|	Al	27	1683.480	-0.00	-0.0888	0.071	79.439	ug/L
⌊>	Sc	45	189242.285	189242.29				ug/L
⌈	Ti	49	60.006	0.00	0.0503	0.017	33.383	ug/L
|	V	51	2840.909	-0.00	-0.0318	0.004	12.990	ug/L
|	Cr	52	9472.245	-0.00	-0.0947	0.008	8.699	ug/L
|	Cr	53	503.396	0.00	0.1962	0.057	29.007	ug/L
|	Mn	55	308.008	-0.00	-0.0370	0.002	4.463	ug/L
|	Co	59	87.335	-0.00	-0.0290	0.001	2.053	ug/L
|	Ni	60	56.667	-0.00	-0.0586	0.004	6.352	ug/L
|	Cu	65	90.668	0.00	-0.0185	0.001	3.570	ug/L
|	Zn	66	191.337	0.00	-0.0942	0.013	14.146	ug/L
| >	Ge	72	355713.461	355713.46				ug/L
|	As	75	-219.777	-0.00	0.0565	0.046	81.924	ug/L
|	Se	77	94.000	-0.00	0.0097	0.055	572.226	ug/L
|	Se	82	-11.931	-0.00	-0.0197	0.080	406.428	ug/L
⌊	Rb	85	15.333	-0.00				mg/L
	Y	89	242008.013	-21056.79				ug/L
	Rh	103	12.333	-4.33				ug/L
⌈	Mo	98	305.985	0.00	0.0450	0.011	23.793	ug/L
|	Ag	107	70.668	0.00	-0.0125	0.003	25.013	ug/L
|	Cd	114	6.966	0.00	0.0096	0.005	50.201	ug/L
| >	In	115	352677.712	352677.71				ug/L
|	Sn	118	304.805	0.00	0.0390	0.003	8.763	ug/L
⌊	Sb	123	180.700	0.00	0.0211	0.002	11.350	ug/L
⌈	Ba	135	28.667	-0.00	-0.0031	0.002	68.723	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	421622.310	421622.31				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	60.667	0.00	-0.0035	0.000	14.356	ug/L
|	Tl	205	166.685	0.00	-0.0092	0.001	11.199	ug/L
|	Pb	206	324.675	-0.00	-0.0064	0.001	14.670	ug/L
|	Pb	207	299.341	-0.00	0.0074	0.002	26.197	ug/L
|	Pb	208	1353.383	-0.00	0.0012	0.000	26.631	ug/L
|	U	238	236.005	0.00	-0.0012	0.001	89.522	ug/L
⌊>	Bi	209	402617.928	402617.93				ug/L

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Na	23	12272.102	0.01	-0.0020	0.000	9.567	mg/L	
Mg	24	1213.536	0.01	-0.0027	0.000	5.267	mg/L	
K	39	387462.595	-0.11	-0.0098	0.003	28.780	mg/L	
Ca	43	276.698	-0.00	-0.0015	0.003	187.677	mg/L	
Fe	54	45186.928	-0.01	-0.0078	0.004	46.023	mg/L	
Fe	57	7440.178	-0.01	-0.0081	0.002	20.689	mg/L	
Sc-1	45	189242.285	189242.29				mg/L	
Cl	35	19251.862	-6746.57				mg/L	
Kr	83	68.668	-1.67				mg/L	
Br	81	9533.211	-794.79				mg/L	
P	31	10621.042	959.68				mg/L	
S	34	175365.615	21838.98				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		94.759			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		95.882			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		98.076			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		105.181			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 14:38:20

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Method 6020 - Summary Report

Sample ID: L1103104102 WG360653-01

Sample Date/Time: Monday, April 04, 2011 14:43:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22057.644	-0.00				ug/L
|	Be	9	12.667	0.00	0.0583	0.018	30.851	ug/L
|	Al	27	892954.635	4.39	140.4902	0.652	0.464	ug/L
⌊>	Sc	45	203057.951	203057.95				ug/L
⌈	Ti	49	1970.392	0.01	3.4563	0.252	7.284	ug/L
|	V	51	7259.195	0.01	0.4630	0.023	4.989	ug/L
|	Cr	52	14637.184	0.01	0.6046	0.007	1.114	ug/L
|	Cr	53	1303.549	0.00	1.0877	0.087	8.030	ug/L
|	Mn	55	912355.536	2.61	76.9596	0.332	0.431	ug/L
|	Co	59	1252.091	0.00	0.0957	0.002	2.386	ug/L
|	Ni	60	1849.190	0.00	0.8536	0.036	4.168	ug/L
|	Cu	65	528.686	0.00	0.1932	0.003	1.308	ug/L
|	Zn	66	2108.577	0.01	1.4642	0.057	3.873	ug/L
|>	Ge	72	349737.541	349737.54				ug/L
|	As	75	-140.732	0.00	0.1217	0.026	21.335	ug/L
|	Se	77	126.667	0.00	0.3858	0.162	41.879	ug/L
|	Se	82	22.113	0.00	0.2780	0.049	17.514	ug/L
⌊	Rb	85	4162.908	0.01				mg/L
	Y	89	234344.271	-28720.53				ug/L
	Rh	103	45.334	28.67				ug/L
⌈	Mo	98	376.399	0.00	0.0699	0.006	8.733	ug/L
|	Ag	107	59.334	0.00	-0.0141	0.001	5.404	ug/L
|	Cd	114	10.582	0.00	0.0124	0.007	52.893	ug/L
|>	In	115	347808.246	347808.25				ug/L
|	Sn	118	247.336	0.00	0.0278	0.003	9.343	ug/L
⌊	Sb	123	232.534	0.00	0.0341	0.006	17.718	ug/L
⌈	Ba	135	8101.362	0.02	4.6107	0.057	1.246	ug/L
|	Ce	140	13089.879	0.03				ug/L
⌊>	Tb	159	425003.412	425003.41				ug/L
⌈	Ho	165	166.685	0.00				ug/L
|	Tl	203	58.334	0.00	-0.0035	0.000	0.647	ug/L
|	Tl	205	130.014	0.00	-0.0109	0.001	12.622	ug/L
|	Pb	206	763.037	0.00	0.0658	0.005	7.200	ug/L
|	Pb	207	661.028	0.00	0.0706	0.001	2.072	ug/L
|	Pb	208	3116.892	0.00	0.0705	0.001	1.903	ug/L
|	U	238	5693.010	0.01	0.1311	0.002	1.290	ug/L
⌊>	Bi	209	390523.919	390523.92				ug/L

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⌈	Na	23	147501206.590	726.32	26.1058	0.141	0.540	mg/L
|	Mg	24	29650548.096	146.05	7.7447	0.155	1.996	mg/L
|	K	39	3776700.150	16.45	0.4309	0.010	2.375	mg/L
|	Ca	43	317007.610	1.56	17.5189	0.244	1.395	mg/L
|	Fe	54	397884.068	1.71	0.5328	0.006	1.192	mg/L
|	Fe	57	143202.285	0.66	0.4910	0.010	1.981	mg/L
⌊>	Sc-1	45	203057.951	203057.95				mg/L
	Cl	35	744813.801	718815.37				mg/L
	Kr	83	63.668	-6.67				mg/L
	Br	81	24907.677	14579.68				mg/L
	P	31	28972.606	19311.25				mg/L
	S	34	313930.599	160403.96				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.167			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.558			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.863			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.021			
⌈	Na	23					

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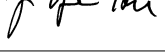

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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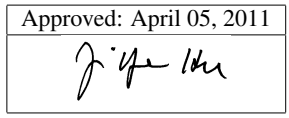

Method 6020 - Summary Report

Sample ID: L1103104102S WG360653-05

Sample Date/Time: Monday, April 04, 2011 14:50:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23945.336	0.01				ug/L
|	Be	9	7753.004	0.04	24.0578	0.955	3.968	ug/L
|	Al	27	383765.104	1.90	60.8095	1.061	1.745	ug/L
⌊>	Sc	45	200985.823	200985.82				ug/L
⌈	Ti	49	1296.884	0.00	2.2690	0.575	25.321	ug/L
|	V	51	235748.811	0.67	25.9369	0.093	0.359	ug/L
|	Cr	52	211703.030	0.58	26.6650	0.226	0.847	ug/L
|	Cr	53	24465.671	0.07	26.7946	0.204	0.761	ug/L
|	Mn	55	1173336.373	3.37	99.6065	0.756	0.759	ug/L
|	Co	59	249038.358	0.72	26.7528	0.154	0.576	ug/L
|	Ni	60	53316.624	0.15	27.1982	0.105	0.387	ug/L
|	Cu	65	55708.309	0.16	26.9281	0.308	1.144	ug/L
|	Zn	66	32857.221	0.09	26.5786	0.157	0.590	ug/L
|>	Ge	72	347580.222	347580.22				ug/L
|	As	75	26363.562	0.08	23.2847	0.169	0.725	ug/L
|	Se	77	2053.544	0.01	21.6850	0.973	4.488	ug/L
|	Se	82	2349.812	0.01	20.9003	0.280	1.340	ug/L
⌊	Rb	85	3375.270	0.01				mg/L
	Y	89	231655.726	-31409.07				ug/L
	Rh	103	66.334	49.67				ug/L
⌈	Mo	98	305.724	0.00	0.0465	0.008	16.627	ug/L
|	Ag	107	143943.707	0.41	22.5346	0.172	0.764	ug/L
|	Cd	114	31690.975	0.09	23.9446	0.191	0.796	ug/L
|>	In	115	347404.690	347404.69				ug/L
|	Sn	118	211.869	0.00	0.0204	0.000	0.517	ug/L
⌊	Sb	123	100743.698	0.29	24.0487	0.213	0.885	ug/L
⌈	Ba	135	51327.905	0.12	29.3155	0.103	0.352	ug/L
|	Ce	140	3884.477	0.01				ug/L
⌊>	Tb	159	425033.354	425033.35				ug/L
⌈	Ho	165	90.009	0.00				ug/L
|	Tl	203	200506.413	0.52	26.2808	0.268	1.018	ug/L
|	Tl	205	508884.163	1.31	27.1911	0.137	0.505	ug/L
|	Pb	206	171090.270	0.44	27.6529	0.345	1.249	ug/L
|	Pb	207	150544.322	0.39	25.7346	0.267	1.038	ug/L
|	Pb	208	696764.492	1.79	26.8347	0.303	1.130	ug/L
|	U	238	1184562.709	3.05	28.8069	0.485	1.683	ug/L
⌊>	Bi	209	388714.093	388714.09				ug/L

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⌈	Na	23	136259713.243	678.96	24.4037	1.292	5.294	mg/L
|	Mg	24	27358139.726	136.28	7.2261	0.280	3.874	mg/L
|	K	39	3611883.785	15.83	0.4146	0.017	3.993	mg/L
|	Ca	43	300481.575	1.49	16.7828	0.535	3.185	mg/L
|	Fe	54	181738.638	0.66	0.2017	0.014	7.123	mg/L
|	Fe	57	54570.660	0.22	0.1660	0.005	3.297	mg/L
⌊>	Sc-1	45	200985.823	200985.82				mg/L
	Cl	35	677942.059	651943.63				mg/L
	Kr	83	57.667	-12.67				mg/L
	Br	81	25874.791	15546.79				mg/L
	P	31	21793.073	12131.71				mg/L
	S	34	303966.439	150439.80				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.592			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.448			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.870			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.549			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1103104102SD WG360653-06

Sample Date/Time: Monday, April 04, 2011 14:57:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22809.353	0.01				ug/L
|	Be	9	7739.663	0.04	24.2647	1.163	4.795	ug/L
|	Al	27	350841.707	1.75	56.0523	5.379	9.597	ug/L
⌊>	Sc	45	198824.976	198824.98				ug/L
⌈	Ti	49	1176.854	0.00	2.0404	0.113	5.518	ug/L
|	V	51	234753.158	0.66	25.6408	0.315	1.230	ug/L
|	Cr	52	208880.490	0.57	26.0970	0.259	0.992	ug/L
|	Cr	53	24301.954	0.07	26.4208	1.055	3.994	ug/L
|	Mn	55	1159871.411	3.31	97.7687	1.806	1.847	ug/L
|	Co	59	246225.874	0.70	26.2631	0.389	1.481	ug/L
|	Ni	60	53012.009	0.15	26.8500	0.137	0.511	ug/L
|	Cu	65	54316.336	0.15	26.0679	0.390	1.496	ug/L
|	Zn	66	31877.381	0.09	25.5947	0.269	1.049	ug/L
| >	Ge	72	350060.184	350060.18				ug/L
|	As	75	26012.581	0.07	22.8172	0.044	0.192	ug/L
|	Se	77	2028.873	0.01	21.2526	1.089	5.126	ug/L
|	Se	82	2342.807	0.01	20.6913	0.456	2.203	ug/L
⌊	Rb	85	3155.196	0.01				mg/L
	Y	89	230100.300	-32964.50				ug/L
	Rh	103	59.334	42.67				ug/L
⌈	Mo	98	293.062	0.00	0.0418	0.004	9.846	ug/L
|	Ag	107	141080.970	0.40	21.9917	0.076	0.344	ug/L
|	Cd	114	31191.337	0.09	23.4673	0.297	1.265	ug/L
| >	In	115	348889.097	348889.10				ug/L
|	Sn	118	160.001	0.00	0.0094	0.000	0.943	ug/L
⌊	Sb	123	99331.618	0.28	23.6102	0.184	0.779	ug/L
⌈	Ba	135	50610.253	0.12	28.6825	0.251	0.875	ug/L
|	Ce	140	3661.037	0.01				ug/L
⌊>	Tb	159	428354.785	428354.79				ug/L
⌈	Ho	165	116.679	0.00				ug/L
|	Tl	203	201127.606	0.51	25.7658	0.214	0.832	ug/L
|	Tl	205	493915.592	1.24	25.7957	0.440	1.706	ug/L
|	Pb	206	168691.363	0.42	26.6445	0.050	0.187	ug/L
|	Pb	207	149589.043	0.38	24.9921	0.189	0.758	ug/L
|	Pb	208	692842.992	1.74	26.0782	0.190	0.727	ug/L
|	U	238	1172506.238	2.95	27.8641	0.329	1.182	ug/L
⌊>	Bi	209	397678.219	397678.22				ug/L

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⌈	Na	23	135250174.047	680.44	24.4567	0.434	1.776	mg/L
|	Mg	24	27094660.706	136.29	7.2266	0.076	1.051	mg/L
|	K	39	3452605.212	15.22	0.3982	0.013	3.276	mg/L
|	Ca	43	298441.765	1.50	16.8461	0.343	2.035	mg/L
|	Fe	54	174810.372	0.63	0.1935	0.009	4.500	mg/L
|	Fe	57	51785.829	0.21	0.1577	0.012	7.589	mg/L
⌊>	Sc-1	45	198824.976	198824.98				mg/L
	Cl	35	667242.000	641243.57				mg/L
	Kr	83	58.001	-12.33				mg/L
	Br	81	26289.189	15961.19				mg/L
	P	31	22796.784	13135.42				mg/L
	S	34	302318.872	148792.23				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.253			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.852			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.642			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		103.890			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104102SD WG360653-06
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Method 6020 - Summary Report

Sample ID: L1103104602

Sample Date/Time: Monday, April 04, 2011 15:05:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24630.348	0.02				ug/L
|	Be	9	16.667	0.00	0.0726	0.014	18.804	ug/L
|	Al	27	1640710.640	8.41	269.3714	5.231	1.942	ug/L
⌊>	Sc	45	194846.685	194846.68				ug/L
⌈	Ti	49	5632.178	0.02	10.0338	1.718	17.119	ug/L
|	V	51	20642.977	0.05	1.9568	0.013	0.649	ug/L
|	Cr	52	16728.485	0.02	0.8903	0.054	6.035	ug/L
|	Cr	53	1236.868	0.00	1.0208	0.209	20.507	ug/L
|	Mn	55	93904.111	0.27	7.9040	0.053	0.668	ug/L
|	Co	59	940.054	0.00	0.0628	0.005	8.101	ug/L
|	Ni	60	1683.492	0.00	0.7734	0.013	1.736	ug/L
|	Cu	65	37215.494	0.11	17.9456	0.175	0.977	ug/L
|	Zn	66	10431.876	0.03	8.2591	0.076	0.923	ug/L
|>	Ge	72	348031.165	348031.17				ug/L
|	As	75	1380.418	0.00	1.4490	0.080	5.541	ug/L
|	Se	77	98.667	-0.00	0.0836	0.023	27.063	ug/L
|	Se	82	43.180	0.00	0.4653	0.064	13.699	ug/L
⌊	Rb	85	8756.253	0.03				mg/L
	Y	89	230077.103	-32987.70				ug/L
	Rh	103	39.667	23.00				ug/L
⌈	Mo	98	2311.674	0.01	0.7148	0.004	0.567	ug/L
|	Ag	107	172.670	0.00	0.0036	0.002	55.471	ug/L
|	Cd	114	23.922	0.00	0.0225	0.011	50.915	ug/L
|>	In	115	347566.229	347566.23				ug/L
|	Sn	118	683.224	0.00	0.1197	0.021	17.380	ug/L
⌊	Sb	123	1440.020	0.00	0.3225	0.013	3.956	ug/L
⌈	Ba	135	12339.732	0.03	6.9881	0.113	1.618	ug/L
|	Ce	140	9455.628	0.02				ug/L
⌊>	Tb	159	427804.294	427804.29				ug/L
⌈	Ho	165	110.012	0.00				ug/L
|	Tl	203	96.335	0.00	0.0010	0.002	221.259	ug/L
|	Tl	205	226.692	0.00	-0.0062	0.003	41.919	ug/L
|	Pb	206	29645.514	0.07	4.5484	0.100	2.207	ug/L
|	Pb	207	25983.646	0.06	4.2255	0.075	1.776	ug/L
|	Pb	208	120081.178	0.29	4.3949	0.058	1.319	ug/L
|	U	238	4619.113	0.01	0.1010	0.001	0.866	ug/L
⌊>	Bi	209	405220.087	405220.09				ug/L

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⌈	Na	23	34451960.878	176.77	6.3519	0.230	3.614	mg/L
|	Mg	24	4658149.680	23.91	1.2652	0.006	0.453	mg/L
|	K	39	17486733.291	87.59	2.3252	0.018	0.759	mg/L
|	Ca	43	227679.396	1.17	13.1055	0.229	1.751	mg/L
|	Fe	54	199090.512	0.77	0.2382	0.011	4.460	mg/L
|	Fe	57	58459.648	0.25	0.1872	0.005	2.797	mg/L
⌊>	Sc-1	45	194846.685	194846.68				mg/L
	Cl	35	45476.509	19478.08				mg/L
	Kr	83	56.001	-14.33				mg/L
	Br	81	18189.869	7861.87				mg/L
	P	31	81954.473	72293.11				mg/L
	S	34	472089.321	318562.68				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.712			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.492			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.514			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		105.861			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104602
Report Date/Time: Monday, April 04, 2011 15:07:43

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702

Sample Date/Time: Monday, April 04, 2011 15:12:38
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22926.279	0.02				ug/L
|	Be	9	14.667	0.00	0.0707	0.026	36.151	ug/L
|	Al	27	51214.485	0.28	9.0112	0.831	9.225	ug/L
⌊>	Sc	45	175225.741	175225.74				ug/L
⌈	Ti	49	1423.583	0.00	2.7889	0.798	28.603	ug/L
|	V	51	33488.709	0.10	3.8333	0.035	0.901	ug/L
|	Cr	52	17903.195	0.03	1.3282	0.023	1.723	ug/L
|	Cr	53	1346.892	0.00	1.3205	0.082	6.207	ug/L
|	Mn	55	10064.831	0.03	0.8935	0.004	0.434	ug/L
|	Co	59	1682.825	0.01	0.1643	0.005	3.162	ug/L
|	Ni	60	4344.322	0.01	2.3993	0.130	5.412	ug/L
|	Cu	65	136382.924	0.44	73.8309	0.891	1.207	ug/L
|	Zn	66	3459.633	0.01	2.9120	0.061	2.093	ug/L
| >	Ge	72	310831.214	310831.21				ug/L
|	As	75	1738.606	0.01	1.9425	0.049	2.502	ug/L
|	Se	77	134.001	0.00	0.6508	0.139	21.347	ug/L
|	Se	82	84.570	0.00	0.9227	0.127	13.792	ug/L
⌊	Rb	85	5342.147	0.02				mg/L
	Y	89	201792.817	-61271.98				ug/L
	Rh	103	63.334	46.67				ug/L
⌈	Mo	98	17929.663	0.06	6.8221	0.031	0.452	ug/L
|	Ag	107	270.340	0.00	0.0254	0.005	19.386	ug/L
|	Cd	114	13.191	0.00	0.0158	0.014	88.442	ug/L
| >	In	115	301878.634	301878.63				ug/L
|	Sn	118	291.871	0.00	0.0465	0.002	4.437	ug/L
⌊	Sb	123	2453.277	0.01	0.6531	0.013	1.997	ug/L
⌈	Ba	135	98629.339	0.25	61.9355	0.294	0.474	ug/L
|	Ce	140	470.058	0.00				ug/L
⌊>	Tb	159	386714.456	386714.46				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	69.001	0.00	-0.0014	0.000	20.808	ug/L
|	Tl	205	106.678	0.00	-0.0117	0.000	2.260	ug/L
|	Pb	206	1385.443	0.00	0.1830	0.007	3.913	ug/L
|	Pb	207	1203.751	0.00	0.1785	0.011	5.955	ug/L
|	Pb	208	5568.335	0.01	0.1807	0.002	1.375	ug/L
|	U	238	22977.935	0.06	0.5914	0.006	0.959	ug/L
⌊>	Bi	209	363166.990	363166.99				ug/L

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Na	23	51841305.435	296.37	10.6510	0.504	4.733	mg/L	
Mg	24	1211335.065	6.93	0.3646	0.020	5.548	mg/L	
K	39	11079753.272	61.25	1.6238	0.112	6.886	mg/L	
Ca	43	927180.903	5.29	59.4638	1.306	2.196	mg/L	
Fe	54	88064.068	0.26	0.0755	0.012	15.372	mg/L	
Fe	57	40262.356	0.18	0.1344	0.017	12.307	mg/L	
> Sc-1	45	175225.741	175225.74				mg/L	
Cl	35	116610.703	90612.27				mg/L	
Kr	83	49.667	-20.67				mg/L	
Br	81	22646.293	12318.29				mg/L	
P	31	28566.128	18904.77				mg/L	
S	34	1505448.720	1351922.08				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		82.802			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		82.071			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.956			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.875			
Na	23					

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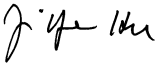

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103104702
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702PS WG360676-01

Sample Date/Time: Monday, April 04, 2011 15:19:44
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.203	0.03				ug/L
|	Be	9	13491.765	0.08	52.4437	0.766	1.461	ug/L
|	Al	27	298754.523	1.86	59.3961	3.642	6.132	ug/L
⌊>	Sc	45	160189.886	160189.89				ug/L
⌈	Ti	49	1310.217	0.00	2.6814	0.241	8.975	ug/L
|	V	51	414082.674	1.38	53.4353	0.507	0.949	ug/L
|	Cr	52	346200.520	1.13	51.9987	0.642	1.234	ug/L
|	Cr	53	40529.385	0.13	52.0407	1.291	2.480	ug/L
|	Mn	55	535916.954	1.80	52.9774	0.509	0.960	ug/L
|	Co	59	421802.828	1.41	52.8286	0.813	1.540	ug/L
|	Ni	60	93715.689	0.31	55.7929	0.240	0.430	ug/L
|	Cu	65	224341.524	0.75	126.5745	0.719	0.568	ug/L
|	Zn	66	52161.881	0.17	49.3720	0.339	0.686	ug/L
|>	Ge	72	298317.955	298317.96				ug/L
|	As	75	46042.606	0.15	47.1290	0.153	0.325	ug/L
|	Se	77	3407.914	0.01	42.8689	0.373	0.870	ug/L
|	Se	82	3988.757	0.01	41.2582	0.672	1.628	ug/L
⌊	Rb	85	5167.720	0.02				mg/L
	Y	89	194444.973	-68619.83				ug/L
	Rh	103	84.668	68.00				ug/L
⌈	Mo	98	17696.099	0.06	6.9292	0.075	1.081	ug/L
|	Ag	107	257083.893	0.88	47.6863	0.695	1.457	ug/L
|	Cd	114	53579.554	0.18	47.9342	0.926	1.931	ug/L
|>	In	115	293379.129	293379.13				ug/L
|	Sn	118	320.938	0.00	0.0558	0.002	3.358	ug/L
⌊	Sb	123	175070.103	0.60	49.5084	0.678	1.370	ug/L
⌈	Ba	135	170678.072	0.45	110.1705	0.465	0.422	ug/L
|	Ce	140	523.399	0.00				ug/L
⌊>	Tb	159	376253.669	376253.67				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	351169.541	1.00	51.0723	0.455	0.891	ug/L
|	Tl	205	871197.012	2.49	51.6672	0.134	0.259	ug/L
|	Pb	206	296438.351	0.85	53.2033	0.007	0.012	ug/L
|	Pb	207	262359.620	0.75	49.7983	0.586	1.177	ug/L
|	Pb	208	1215390.977	3.47	51.9757	0.327	0.629	ug/L
|	U	238	2109874.809	6.02	56.9147	0.741	1.302	ug/L
⌊>	Bi	209	350353.270	350353.27				ug/L

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Na	23	51769833.634	323.16	11.6139	0.287	2.469	mg/L	
Mg	24	1209086.226	7.55	0.3976	0.015	3.828	mg/L	
K	39	10818647.655	65.40	1.7343	0.041	2.384	mg/L	
Ca	43	891614.569	5.57	62.5159	1.573	2.516	mg/L	
Fe	54	86371.218	0.29	0.0865	0.003	3.092	mg/L	
Fe	57	37909.062	0.19	0.1397	0.010	7.442	mg/L	
Sc-1	45	160189.886	160189.89				mg/L	
Cl	35	116309.314	90310.88				mg/L	
Kr	83	49.667	-20.67				mg/L	
Br	81	22641.621	12313.62				mg/L	
P	31	28546.119	18884.76				mg/L	
S	34	1458960.454	1305433.82				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		79.469			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		79.761			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		87.523			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		91.527			
Na	23					

Sample ID: L1103104702PS WG360676-01
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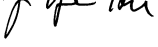

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Cu 65 Upper, S, EEE	Cu	65	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104702SDL WG360676-02

Sample Date/Time: Monday, April 04, 2011 15:26:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20554.439	0.02				ug/L
|	Be	9	12.000	0.00	0.0656	0.020	30.656	ug/L
|	Al	27	14961.220	0.08	2.5989	0.190	7.307	ug/L
⌊>	Sc	45	161137.996	161138.00				ug/L
⌈	Ti	49	346.708	0.00	0.6452	0.204	31.604	ug/L
|	V	51	8463.890	0.02	0.7206	0.018	2.430	ug/L
|	Cr	52	10367.142	0.01	0.2242	0.025	11.343	ug/L
|	Cr	53	470.058	0.00	0.2374	0.063	26.688	ug/L
|	Mn	55	2393.977	0.01	0.1663	0.008	5.087	ug/L
|	Co	59	352.676	0.00	0.0045	0.001	23.955	ug/L
|	Ni	60	2516.342	0.01	1.3624	0.034	2.500	ug/L
|	Cu	65	25507.080	0.08	13.8470	0.103	0.745	ug/L
|	Zn	66	2793.752	0.01	2.3204	0.043	1.849	ug/L
|>	Ge	72	308820.106	308820.11				ug/L
|	As	75	221.872	0.00	0.4622	0.059	12.826	ug/L
|	Se	77	85.334	-0.00	0.0560	0.136	243.133	ug/L
|	Se	82	16.200	0.00	0.2447	0.032	12.984	ug/L
⌊	Rb	85	1042.065	0.00				mg/L
	Y	89	200840.029	-62224.77				ug/L
	Rh	103	24.000	7.33				ug/L
⌈	Mo	98	3408.780	0.01	1.2472	0.026	2.060	ug/L
|	Ag	107	79.668	0.00	-0.0091	0.002	17.762	ug/L
|	Cd	114	4.928	0.00	0.0087	0.005	60.493	ug/L
|>	In	115	303038.971	303038.97				ug/L
|	Sn	118	131.068	0.00	0.0074	0.001	14.200	ug/L
⌊	Sb	123	792.988	0.00	0.1958	0.008	4.090	ug/L
⌈	Ba	135	18459.542	0.05	11.9943	0.194	1.616	ug/L
|	Ce	140	113.345	0.00				ug/L
⌊>	Tb	159	373246.056	373246.06				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	45.001	0.00	-0.0048	0.001	20.028	ug/L
|	Tl	205	93.343	0.00	-0.0125	0.001	6.352	ug/L
|	Pb	206	544.354	0.00	0.0375	0.001	2.448	ug/L
|	Pb	207	493.017	0.00	0.0486	0.003	5.215	ug/L
|	Pb	208	2184.781	0.00	0.0414	0.003	6.144	ug/L
|	U	238	4209.928	0.01	0.1033	0.002	2.053	ug/L
⌊>	Bi	209	361782.785	361782.78				ug/L

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⌈	Na	23	9491810.203	58.85	2.1131	0.031	1.483	mg/L
|	Mg	24	234202.821	1.45	0.0741	0.002	2.868	mg/L
|	K	39	2343144.195	12.39	0.3228	0.008	2.364	mg/L
|	Ca	43	171220.527	1.06	11.9178	0.250	2.095	mg/L
|	Fe	54	46075.974	0.04	0.0070	0.003	46.687	mg/L
|	Fe	57	12609.223	0.03	0.0210	0.004	18.418	mg/L
⌊>	Sc-1	45	161137.996	161138.00				mg/L
	Cl	35	39040.067	13041.64				mg/L
	Kr	83	53.667	-16.67				mg/L
	Br	81	11479.921	1151.92				mg/L
	P	31	11090.147	1428.79				mg/L
	S	34	413926.252	260399.61				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		82.267			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		82.387			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		86.823			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.513			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 15:33:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19435.607	0.01				ug/L
|	Be	9	14290.872	0.09	54.7562	0.583	1.064	ug/L
|	Al	27	257353.158	1.57	50.3547	0.335	0.665	ug/L
⌊>	Sc	45	162510.052	162510.05				ug/L
⌈	Ti	49	48435.208	0.15	94.3374	1.841	1.952	ug/L
|	V	51	388099.962	1.21	46.6812	0.361	0.773	ug/L
|	Cr	52	337840.589	1.03	47.2228	0.501	1.060	ug/L
|	Cr	53	38655.115	0.12	46.2690	1.103	2.383	ug/L
|	Mn	55	521624.915	1.63	48.1005	0.223	0.464	ug/L
|	Co	59	415639.491	1.30	48.5637	0.314	0.647	ug/L
|	Ni	60	87206.482	0.27	48.4233	0.464	0.959	ug/L
|	Cu	65	94720.820	0.30	49.8203	0.787	1.579	ug/L
|	Zn	66	59165.110	0.18	52.2581	0.566	1.083	ug/L
|>	Ge	72	319771.733	319771.73				ug/L
|	As	75	49070.937	0.15	46.8604	0.289	0.616	ug/L
|	Se	77	4094.172	0.01	48.1698	1.591	3.303	ug/L
|	Se	82	4869.499	0.02	46.9753	0.235	0.500	ug/L
⌊	Rb	85	1832.853	0.01				mg/L
	Y	89	204595.395	-58469.41				ug/L
	Rh	103	32.334	15.67				ug/L
⌈	Mo	98	248959.094	0.79	91.9826	1.358	1.477	ug/L
|	Ag	107	273015.382	0.87	47.4289	0.304	0.641	ug/L
|	Cd	114	58357.168	0.19	48.8991	0.663	1.356	ug/L
|>	In	115	313244.741	313244.74				ug/L
|	Sn	118	208944.938	0.67	48.7666	0.466	0.955	ug/L
⌊	Sb	123	184385.138	0.59	48.8365	0.085	0.174	ug/L
⌈	Ba	135	75104.784	0.19	47.1820	0.706	1.495	ug/L
|	Ce	140	43.338	0.00				ug/L
⌊>	Tb	159	386506.570	386506.57				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	346153.724	0.93	47.5953	0.062	0.129	ug/L
|	Tl	205	852338.407	2.30	47.7871	1.350	2.824	ug/L
|	Pb	206	284080.177	0.77	48.1952	0.679	1.410	ug/L
|	Pb	207	269401.996	0.73	48.3373	0.513	1.062	ug/L
|	Pb	208	1195286.133	3.22	48.3192	0.536	1.109	ug/L
|	U	238	2060020.513	5.56	52.5423	0.398	0.757	ug/L
⌊>	Bi	209	370584.492	370584.49				ug/L

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Na	23	23266623.947	143.10	5.1417	0.125	2.436	mg/L	
Mg	24	15448042.641	95.06	5.0396	0.094	1.871	mg/L	
K	39	29836738.678	181.48	4.8252	0.114	2.354	mg/L	
Ca	43	71018.451	0.44	4.8919	0.170	3.484	mg/L	
Fe	54	2506158.538	15.17	4.7633	0.043	0.905	mg/L	
Fe	57	1038059.543	6.34	4.7505	0.088	1.850	mg/L	
> Sc-1	45	162510.052	162510.05				mg/L	
Cl	35	18891.841	-7106.59				mg/L	
Kr	83	49.001	-21.33				mg/L	
Br	81	8322.796	-2005.20				mg/L	
P	31	8315.501	-1345.86				mg/L	
S	34	153860.844	334.21				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	93.362				
Cr	52	94.446				
Cr	53					
Mn	55	96.201				
Co	59	97.127				
Ni	60	96.847				
Cu	65	99.641				
Zn	66	104.516				
> Ge	72		85.184			
As	75	93.721				
Se	77					
Se	82	93.951				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	94.858				
Cd	114	97.798				
> In	115		85.161			
Sn	118					
Sb	123	97.673				
Ba	135	94.364				
Ce	140					
> Tb	159		89.908			
Ho	165					
Tl	203	95.191				
Tl	205					
Pb	206					
Pb	207					
Pb	208	96.638				
U	238	105.085				
> Bi	209		96.812			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 15:36:11

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 15:41:05
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21556.619	0.02				ug/L
|	Be	9	14.667	0.00	0.0755	0.021	28.073	ug/L
|	Al	27	1833.504	0.00	-0.0159	0.057	361.647	ug/L
⌊>	Sc	45	164137.522	164137.52				ug/L
⌈	Ti	49	56.673	0.00	0.0552	0.056	100.760	ug/L
|	V	51	2600.112	-0.00	-0.0271	0.002	8.360	ug/L
|	Cr	52	8487.352	-0.00	-0.1019	0.015	14.474	ug/L
|	Cr	53	286.699	-0.00	-0.0049	0.044	906.185	ug/L
|	Mn	55	282.340	-0.00	-0.0366	0.001	2.295	ug/L
|	Co	59	80.668	-0.00	-0.0288	0.001	2.359	ug/L
|	Ni	60	47.667	-0.00	-0.0605	0.003	4.631	ug/L
|	Cu	65	97.335	0.00	-0.0103	0.009	91.716	ug/L
|	Zn	66	199.671	0.00	-0.0701	0.015	21.433	ug/L
|>	Ge	72	320608.598	320608.60				ug/L
|	As	75	-189.008	0.00	0.0649	0.016	25.312	ug/L
|	Se	77	70.667	-0.00	-0.1586	0.030	19.129	ug/L
|	Se	82	5.162	0.00	0.1328	0.097	73.059	ug/L
⌊	Rb	85	23.667	0.00				mg/L
	Y	89	208515.558	-54549.24				ug/L
	Rh	103	13.667	-3.00				ug/L
⌈	Mo	98	279.687	0.00	0.0469	0.012	25.982	ug/L
|	Ag	107	46.334	0.00	-0.0154	0.001	3.826	ug/L
|	Cd	114	0.700	-0.00	0.0050	0.006	127.983	ug/L
|>	In	115	316506.301	316506.30				ug/L
|	Sn	118	300.271	0.00	0.0452	0.004	9.848	ug/L
⌊	Sb	123	119.032	0.00	0.0098	0.002	25.281	ug/L
⌈	Ba	135	19.000	-0.00	-0.0077	0.004	51.541	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	387638.214	387638.21				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	53.667	0.00	-0.0038	0.001	36.433	ug/L
|	Tl	205	110.012	0.00	-0.0117	0.002	13.429	ug/L
|	Pb	206	333.342	0.00	-0.0010	0.006	626.079	ug/L
|	Pb	207	278.007	-0.00	0.0075	0.001	16.227	ug/L
|	Pb	208	1321.048	0.00	0.0038	0.003	82.632	ug/L
|	U	238	211.338	0.00	-0.0014	0.001	68.873	ug/L
⌊>	Bi	209	373771.599	373771.60				ug/L

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⌈	Na	23	12662.654	0.02	-0.0016	0.000	18.419	mg/L
|	Mg	24	1116.843	0.01	-0.0026	0.000	3.534	mg/L
|	K	39	368718.692	0.09	-0.0045	0.001	33.054	mg/L
|	Ca	43	193.355	-0.00	-0.0048	0.002	47.258	mg/L
|	Fe	54	38151.285	-0.02	-0.0099	0.003	25.418	mg/L
|	Fe	57	5965.712	-0.01	-0.0103	0.002	23.109	mg/L
⌊>	Sc-1	45	164137.522	164137.52				mg/L
	Cl	35	17778.457	-8219.97				mg/L
	Kr	83	58.001	-12.33				mg/L
	Br	81	8550.323	-1777.68				mg/L
	P	31	8622.433	-1038.93				mg/L
	S	34	155646.993	2120.36				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.407			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		86.048			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		90.171			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.645			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 15:43:16

Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 15:43:16

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: PBW 54 WG360724-02

Sample Date/Time: Monday, April 04, 2011 15:53:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21255.926	0.01				ug/L
|	Be	9	10.667	0.00	0.0573	0.021	37.225	ug/L
|	Al	27	3834.091	0.01	0.3362	0.170	50.502	ug/L
⌊>	Sc	45	173391.068	173391.07				ug/L
⌈	Ti	49	56.672	0.00	0.0528	0.022	41.843	ug/L
|	V	51	2723.264	0.00	-0.0199	0.004	18.865	ug/L
|	Cr	52	8802.294	-0.00	-0.0865	0.008	8.974	ug/L
|	Cr	53	266.697	-0.00	-0.0365	0.053	144.125	ug/L
|	Mn	55	745.369	0.00	0.0044	0.001	26.188	ug/L
|	Co	59	60.334	-0.00	-0.0313	0.001	3.551	ug/L
|	Ni	60	4618.446	0.01	2.4151	0.019	0.775	ug/L
|	Cu	65	125.669	0.00	0.0030	0.005	165.993	ug/L
|	Zn	66	1765.507	0.00	1.2792	0.037	2.891	ug/L
| >	Ge	72	328330.668	328330.67				ug/L
|	As	75	-196.554	-0.00	0.0622	0.036	57.833	ug/L
|	Se	77	74.000	-0.00	-0.1395	0.143	102.785	ug/L
|	Se	82	-3.159	-0.00	0.0536	0.081	151.779	ug/L
⌊	Rb	85	26.667	0.00				mg/L
	Y	89	215996.623	-47068.18				ug/L
	Rh	103	7.000	-9.67				ug/L
⌈	Mo	98	67.718	0.00	-0.0309	0.004	13.819	ug/L
|	Ag	107	27.334	0.00	-0.0187	0.002	9.246	ug/L
|	Cd	114	-0.952	-0.00	0.0037	0.002	56.450	ug/L
| >	In	115	320437.676	320437.68				ug/L
|	Sn	118	142.934	0.00	0.0084	0.002	21.014	ug/L
⌊	Sb	123	93.202	0.00	0.0027	0.002	82.847	ug/L
⌈	Ba	135	36.000	0.00	0.0026	0.002	68.959	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	392899.061	392899.06				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	25.667	-0.00	-0.0077	0.000	3.887	ug/L
|	Tl	205	60.006	-0.00	-0.0146	0.001	9.937	ug/L
|	Pb	206	377.011	0.00	0.0048	0.005	101.002	ug/L
|	Pb	207	332.342	0.00	0.0157	0.005	28.733	ug/L
|	Pb	208	1497.392	0.00	0.0094	0.001	7.259	ug/L
|	U	238	48.001	0.00	-0.0055	0.000	2.823	ug/L
⌊>	Bi	209	382997.796	382997.80				ug/L

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⌈	Na	23	31743.480	0.13	0.0022	0.000	11.619	mg/L
|	Mg	24	1170.186	0.01	-0.0026	0.000	1.017	mg/L
|	K	39	362378.513	-0.06	-0.0087	0.002	21.718	mg/L
|	Ca	43	266.697	-0.00	-0.0007	0.004	622.582	mg/L
|	Fe	54	40408.098	-0.02	-0.0096	0.003	32.259	mg/L
|	Fe	57	6406.025	-0.01	-0.0099	0.001	6.701	mg/L
⌊>	Sc-1	45	173391.068	173391.07				mg/L
	Cl	35	17275.582	-8722.85				mg/L
	Kr	83	56.667	-13.67				mg/L
	Br	81	8669.765	-1658.24				mg/L
	P	31	8889.954	-771.41				mg/L
	S	34	158530.480	5003.84				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		87.464			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.117			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.395			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.055			
⌈	Na	23					

Sample ID: PBW 54 WG360724-02
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 54 WG360724-02
Report Date/Time: Monday, April 04, 2011 15:55:17
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Method 6020 - Summary Report

Sample ID: LCSS 54 WG360724-03

Sample Date/Time: Monday, April 04, 2011 16:09:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	22024.283	0.01				ug/L
|	Be	9	7731.655	0.04	27.0826	1.008	3.721	ug/L
|	Al	27	161596.744	0.90	28.7500	1.907	6.633	ug/L
⌊>	Sc	45	177919.468	177919.47				ug/L
⌜	Ti	49	70.007	0.00	0.0804	0.038	47.811	ug/L
|	V	51	237362.197	0.73	28.1670	0.133	0.474	ug/L
|	Cr	52	213574.109	0.63	29.1000	0.122	0.420	ug/L
|	Cr	53	25120.706	0.08	29.6799	0.799	2.693	ug/L
|	Mn	55	332634.107	1.03	30.3829	0.115	0.378	ug/L
|	Co	59	258853.725	0.80	29.9665	0.198	0.660	ug/L
|	Ni	60	55519.248	0.17	30.5270	0.073	0.240	ug/L
|	Cu	65	58533.730	0.18	30.4940	0.069	0.225	ug/L
|	Zn	66	32399.727	0.10	28.2551	0.217	0.768	ug/L
|>	Ge	72	322584.308	322584.31				ug/L
|	As	75	25554.948	0.08	24.3089	0.562	2.311	ug/L
|	Se	77	1886.845	0.01	21.4590	0.927	4.321	ug/L
|	Se	82	2271.174	0.01	21.7638	1.113	5.116	ug/L
⌊	Rb	85	37.667	0.00				mg/L
	Y	89	219845.719	-43219.08				ug/L
	Rh	103	24.334	7.67				ug/L
⌜	Mo	98	71.129	0.00	-0.0303	0.004	12.900	ug/L
|	Ag	107	151139.111	0.46	25.1308	0.467	1.860	ug/L
|	Cd	114	32307.666	0.10	25.9233	0.491	1.894	ug/L
|>	In	115	327173.842	327173.84				ug/L
|	Sn	118	195.602	0.00	0.0195	0.001	6.358	ug/L
⌊	Sb	123	102531.919	0.31	25.9922	0.212	0.815	ug/L
⌜	Ba	135	45216.449	0.11	27.3154	0.366	1.342	ug/L
|	Ce	140	73.341	0.00				ug/L
⌊>	Tb	159	401849.025	401849.02				ug/L
⌜	Ho	165	3.334	-0.00				ug/L
|	Tl	203	211972.608	0.55	28.1482	0.424	1.508	ug/L
|	Tl	205	528322.627	1.38	28.6027	0.214	0.748	ug/L
|	Pb	206	182716.238	0.48	29.9206	0.526	1.757	ug/L
|	Pb	207	161746.386	0.42	28.0130	0.343	1.224	ug/L
|	Pb	208	741868.389	1.93	28.9469	0.277	0.957	ug/L
|	U	238	1239797.713	3.23	30.5432	0.650	2.127	ug/L
⌊>	Bi	209	383682.476	383682.48				ug/L

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⌈	Na	23	49976.269	0.22	0.0057	0.000	5.164	mg/L
|	Mg	24	6662.894	0.04	-0.0010	0.000	16.105	mg/L
|	K	39	374214.920	-0.05	-0.0083	0.002	29.371	mg/L
|	Ca	43	366.710	0.00	0.0052	0.005	100.747	mg/L
|	Fe	54	99923.885	0.31	0.0936	0.003	3.405	mg/L
|	Fe	57	7043.187	-0.01	-0.0080	0.002	19.349	mg/L
⌊>	Sc-1	45	177919.468	177919.47				mg/L
	Cl	35	34693.423	8694.99				mg/L
	Kr	83	52.001	-18.33				mg/L
	Br	81	9456.471	-871.53				mg/L
	P	31	21887.699	12226.34				mg/L
	S	34	169125.804	15599.17				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.933			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.948			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.477			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.234			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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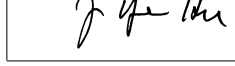

Method 6020 - Summary Report

Sample ID: L1104006701 WG360724-01

Sample Date/Time: Monday, April 04, 2011 16:16:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24095.665	-0.04				ug/L
|	Be	9	273.337	0.00	0.5098	0.043	8.451	ug/L
|	Al	27	229614774.926	662.28	21214.4598	1278.067	6.025	ug/L
⌊>	Sc	45	346985.578	346985.58				ug/L
⌈	Ti	49	87052.688	0.26	164.5574	2.070	1.258	ug/L
|	V	51	1099633.651	3.33	128.9374	2.139	1.659	ug/L
|	Cr	52	384562.079	1.14	52.2967	0.522	0.998	ug/L
|	Cr	53	45075.874	0.14	52.4052	1.151	2.197	ug/L
|	Mn	55	6967374.804	21.14	624.1952	2.811	0.450	ug/L
|	Co	59	80982.089	0.25	9.1504	0.086	0.938	ug/L
|	Ni	60	29383.741	0.09	15.7729	0.135	0.857	ug/L
|	Cu	65	48602.678	0.15	24.7726	0.340	1.372	ug/L
|	Zn	66	66416.584	0.20	56.9399	0.990	1.738	ug/L
|>	Ge	72	329543.397	329543.40				ug/L
|	As	75	5548.150	0.02	5.3579	0.110	2.051	ug/L
|	Se	77	147.334	0.00	0.7123	0.226	31.770	ug/L
|	Se	82	68.732	0.00	0.7248	0.170	23.427	ug/L
⌊	Rb	85	242343.552	0.74				mg/L
	Y	89	236569.199	-26495.60				ug/L
	Rh	103	29.667	13.00				ug/L
⌈	Mo	98	949.205	0.00	0.3031	0.012	3.906	ug/L
|	Ag	107	569.022	0.00	0.0776	0.000	0.602	ug/L
|	Cd	114	9.898	0.00	0.0129	0.000	2.626	ug/L
|>	In	115	306579.677	306579.68				ug/L
|	Sn	118	383.741	0.00	0.0674	0.001	2.078	ug/L
⌊	Sb	123	103.276	0.00	0.0065	0.004	56.905	ug/L
⌈	Ba	135	110414.329	0.30	72.8014	0.289	0.397	ug/L
|	Ce	140	711448.889	1.93				ug/L
⌊>	Tb	159	368320.376	368320.38				ug/L
⌈	Ho	165	3591.005	0.01				ug/L
|	Tl	203	2335.630	0.01	0.3141	0.012	3.870	ug/L
|	Tl	205	6085.793	0.02	0.3277	0.002	0.545	ug/L
|	Pb	206	152575.678	0.42	26.1778	0.085	0.323	ug/L
|	Pb	207	131617.504	0.36	23.8852	0.287	1.202	ug/L
|	Pb	208	609972.339	1.66	24.9373	0.113	0.451	ug/L
|	U	238	115586.686	0.32	2.9781	0.035	1.177	ug/L
⌊>	Bi	209	366089.023	366089.02				ug/L

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⌈	Na	23	148514.381	0.37	0.0110	0.001	5.306	mg/L
|	Mg	24	2747706.634	7.92	0.4171	0.004	1.073	mg/L
|	K	39	6292833.220	15.98	0.4186	0.007	1.699	mg/L
|	Ca	43	5488.722	0.01	0.1597	0.004	2.422	mg/L
|	Fe	54	39387357.875	113.31	35.5993	1.073	3.013	mg/L
|	Fe	57	17073821.275	49.16	36.8450	0.381	1.035	mg/L
⌊>	Sc-1	45	346985.578	346985.58				mg/L
	Cl	35	31925.553	5927.12				mg/L
	Kr	83	69.334	-1.00				mg/L
	Br	81	9670.674	-657.33				mg/L
	P	31	194170.450	184509.09				mg/L
	S	34	136027.862	-17498.78				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		87.787			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		83.349			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		85.677			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.638			
⌈	Na	23					

Sample ID: L1104006701 WG360724-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
V 51 Upper, S, EEE	V	51	
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006701 WG360724-01

Sample Date/Time: Monday, April 04, 2011 16:25:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21473.104	-0.01				ug/L
|	Be	9	52.000	0.00	0.1766	0.019	10.607	ug/L
|	Al	27	46432590.692	225.52	7223.8963	461.540	6.389	ug/L
⌊>	Sc	45	206275.179	206275.18				ug/L
⌈	Ti	49	18175.004	0.05	32.3603	1.343	4.149	ug/L
|	V	51	236589.665	0.67	25.8923	0.158	0.611	ug/L
|	Cr	52	89956.372	0.23	10.5104	0.075	0.717	ug/L
|	Cr	53	9785.771	0.03	10.4509	0.517	4.950	ug/L
|	Mn	55	1492000.189	4.27	126.0183	1.698	1.347	ug/L
|	Co	59	17280.424	0.05	1.8111	0.008	0.422	ug/L
|	Ni	60	6732.333	0.02	3.3404	0.035	1.042	ug/L
|	Cu	65	11306.168	0.03	5.3875	0.060	1.116	ug/L
|	Zn	66	19568.028	0.06	15.6444	0.849	5.430	ug/L
|>	Ge	72	349404.886	349404.89				ug/L
|	As	75	1140.805	0.00	1.2357	0.028	2.280	ug/L
|	Se	77	106.667	0.00	0.1666	0.260	155.869	ug/L
|	Se	82	27.508	0.00	0.3256	0.046	14.209	ug/L
⌊	Rb	85	53011.001	0.15				mg/L
	Y	89	230662.958	-32401.84				ug/L
	Rh	103	16.334	-0.33				ug/L
⌈	Mo	98	283.061	0.00	0.0454	0.004	7.901	ug/L
|	Ag	107	121.002	0.00	-0.0031	0.001	47.187	ug/L
|	Cd	114	14.065	0.00	0.0158	0.004	22.415	ug/L
|>	In	115	324895.156	324895.16				ug/L
|	Sn	118	204.802	0.00	0.0219	0.001	5.607	ug/L
⌊	Sb	123	77.449	0.00	-0.0017	0.004	237.920	ug/L
⌈	Ba	135	22945.859	0.06	14.4540	0.248	1.719	ug/L
|	Ce	140	150147.122	0.39				ug/L
⌊>	Tb	159	385153.632	385153.63				ug/L
⌈	Ho	165	703.429	0.00				ug/L
|	Tl	203	479.016	0.00	0.0543	0.001	1.000	ug/L
|	Tl	205	1193.525	0.00	0.0487	0.007	14.975	ug/L
|	Pb	206	30782.623	0.08	5.1380	0.066	1.287	ug/L
|	Pb	207	26412.767	0.07	4.6717	0.099	2.120	ug/L
|	Pb	208	123527.682	0.33	4.9180	0.082	1.674	ug/L
|	U	238	22350.841	0.06	0.5599	0.012	2.123	ug/L
⌊>	Bi	209	372993.497	372993.50				ug/L

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Na	23	62833.751	0.25	0.0066	0.000	7.052	mg/L
Mg	24	613373.299	2.98	0.1549	0.005	3.474	mg/L
K	39	1768124.199	6.43	0.1642	0.012	7.576	mg/L
Ca	43	1003.484	0.00	0.0367	0.004	11.011	mg/L
Fe	54	8462530.817	40.86	12.8343	0.901	7.023	mg/L
Fe	57	3672909.572	17.79	13.3296	0.794	5.957	mg/L
Sc-1	45	206275.179	206275.18				mg/L
Cl	35	19370.744	-6627.69				mg/L
Kr	83	56.667	-13.67				mg/L
Br	81	10038.371	-289.63				mg/L
P	31	52959.889	43298.53				mg/L
S	34	133896.891	-19629.75				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		93.078			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		88.329			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		89.593			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		97.442			
Na	23					

Sample ID: L1104006701 WG360724-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006702S WG360724-04

Sample Date/Time: Monday, April 04, 2011 16:32:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22224.700	-0.00				ug/L
|	Be	9	1384.096	0.01	4.2295	0.161	3.808	ug/L
|	Al	27	55199917.454	269.92	8646.0993	161.114	1.863	ug/L
⌊>	Sc	45	204555.293	204555.29				ug/L
⌈	Ti	49	19925.157	0.06	35.4769	0.496	1.398	ug/L
|	V	51	242908.470	0.69	26.5905	0.408	1.534	ug/L
|	Cr	52	126305.318	0.33	15.2885	0.327	2.141	ug/L
|	Cr	53	13780.867	0.04	14.8576	0.145	0.979	ug/L
|	Mn	55	1091848.162	3.12	92.1960	2.118	2.297	ug/L
|	Co	59	57447.144	0.16	6.1090	0.148	2.424	ug/L
|	Ni	60	17000.275	0.05	8.5668	0.131	1.523	ug/L
|	Cu	65	21697.732	0.06	10.3939	0.067	0.648	ug/L
|	Zn	66	29606.060	0.08	23.7961	0.453	1.906	ug/L
|>	Ge	72	349473.504	349473.50				ug/L
|	As	75	5098.826	0.02	4.6768	0.113	2.412	ug/L
|	Se	77	454.010	0.00	3.9820	0.383	9.629	ug/L
|	Se	82	429.509	0.00	3.8706	0.449	11.591	ug/L
⌊	Rb	85	73640.565	0.21				mg/L
	Y	89	231706.681	-31358.12				ug/L
	Rh	103	14.000	-2.67				ug/L
⌈	Mo	98	434.845	0.00	0.1005	0.005	5.309	ug/L
|	Ag	107	23785.831	0.07	3.9873	0.062	1.560	ug/L
|	Cd	114	5445.049	0.02	4.4303	0.021	0.468	ug/L
|>	In	115	322874.323	322874.32				ug/L
|	Sn	118	182.402	0.00	0.0171	0.001	4.651	ug/L
⌊	Sb	123	262.789	0.00	0.0461	0.004	9.172	ug/L
⌈	Ba	135	33033.802	0.09	20.8099	0.304	1.460	ug/L
|	Ce	140	136035.966	0.35				ug/L
⌊>	Tb	159	385307.622	385307.62				ug/L
⌈	Ho	165	936.804	0.00				ug/L
|	Tl	203	33294.011	0.09	4.5234	0.039	0.865	ug/L
|	Tl	205	84130.916	0.22	4.6548	0.049	1.042	ug/L
|	Pb	206	50628.344	0.13	8.4603	0.087	1.029	ug/L
|	Pb	207	43868.450	0.12	7.7604	0.068	0.873	ug/L
|	Pb	208	204828.902	0.54	8.1602	0.103	1.266	ug/L
|	U	238	207260.237	0.55	5.2292	0.049	0.931	ug/L
⌊>	Bi	209	374197.017	374197.02				ug/L

Sample ID: L1104006702S WG360724-04
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Na	23	98980.857	0.43	0.0130	0.000	3.208	mg/L	
Mg	24	888540.317	4.35	0.2276	0.009	4.073	mg/L	
K	39	2083038.796	8.04	0.2070	0.013	6.325	mg/L	
Ca	43	993.482	0.00	0.0366	0.002	6.336	mg/L	
Fe	54	7362295.377	35.76	11.2308	0.284	2.532	mg/L	
Fe	57	3137707.453	15.30	11.4662	0.436	3.802	mg/L	
> Sc-1	45	204555.293	204555.29				mg/L	
Cl	35	23159.472	-2838.96				mg/L	
Kr	83	58.334	-12.00				mg/L	
Br	81	10863.899	535.90				mg/L	
P	31	47554.824	37893.46				mg/L	
S	34	136816.026	-16710.61				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.096			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		87.779			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.629			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.756			
Na	23					

Sample ID: L1104006702S WG360724-04
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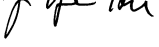

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006703SD WG360724-05

Sample Date/Time: Monday, April 04, 2011 16:40:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22625.572	-0.00				ug/L
|	Be	9	1474.109	0.01	4.3552	0.235	5.400	ug/L
|	Al	27	48327798.475	228.27	7311.8866	147.058	2.011	ug/L
⌊>	Sc	45	211718.095	211718.09				ug/L
⌈	Ti	49	17764.225	0.05	31.4228	1.385	4.407	ug/L
|	V	51	277180.568	0.78	30.1935	0.242	0.801	ug/L
|	Cr	52	130589.798	0.34	15.7416	0.071	0.453	ug/L
|	Cr	53	14668.887	0.04	15.7348	0.344	2.188	ug/L
|	Mn	55	1324015.225	3.76	111.0911	0.591	0.532	ug/L
|	Co	59	57870.897	0.16	6.1146	0.085	1.391	ug/L
|	Ni	60	16354.193	0.05	8.1845	0.083	1.017	ug/L
|	Cu	65	21813.985	0.06	10.3833	0.041	0.397	ug/L
|	Zn	66	27683.879	0.08	22.0904	0.191	0.863	ug/L
|>	Ge	72	351695.058	351695.06				ug/L
|	As	75	5491.157	0.02	4.9869	0.076	1.532	ug/L
|	Se	77	459.344	0.00	4.0110	0.105	2.625	ug/L
|	Se	82	454.774	0.00	4.0650	0.110	2.710	ug/L
⌊	Rb	85	61884.532	0.18				mg/L
	Y	89	234436.100	-28628.70				ug/L
	Rh	103	23.000	6.33				ug/L
⌈	Mo	98	267.289	0.00	0.0399	0.005	11.276	ug/L
|	Ag	107	24820.349	0.08	4.1392	0.054	1.312	ug/L
|	Cd	114	5771.289	0.02	4.6701	0.098	2.106	ug/L
|>	In	115	324624.815	324624.82				ug/L
|	Sn	118	145.334	0.00	0.0086	0.001	11.787	ug/L
⌊	Sb	123	354.872	0.00	0.0693	0.003	4.920	ug/L
⌈	Ba	135	30915.356	0.08	19.4782	0.162	0.833	ug/L
|	Ce	140	130114.593	0.34				ug/L
⌊>	Tb	159	385182.642	385182.64				ug/L
⌈	Ho	165	836.786	0.00				ug/L
|	Tl	203	33641.497	0.09	4.6378	0.042	0.912	ug/L
|	Tl	205	84231.818	0.23	4.7287	0.104	2.197	ug/L
|	Pb	206	52368.622	0.14	8.8810	0.092	1.040	ug/L
|	Pb	207	46537.171	0.13	8.3550	0.030	0.364	ug/L
|	Pb	208	214337.705	0.58	8.6657	0.067	0.771	ug/L
|	U	238	217520.245	0.59	5.5685	0.031	0.551	ug/L
⌊>	Bi	209	368839.293	368839.29				ug/L

Sample ID: L1104006703SD WG360724-05
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Na	23	56803.257	0.21	0.0053	0.000	6.459	mg/L
Mg	24	714326.207	3.37	0.1760	0.004	2.083	mg/L
K	39	1954594.124	7.08	0.1815	0.005	2.482	mg/L
Ca	43	916.801	0.00	0.0307	0.005	16.130	mg/L
Fe	54	8349739.316	39.19	12.3091	0.014	0.115	mg/L
Fe	57	3600597.160	16.96	12.7110	0.307	2.414	mg/L
> Sc-1	45	211718.095	211718.09				mg/L
Cl	35	19249.862	-6748.57				mg/L
Kr	83	66.334	-4.00				mg/L
Br	81	10209.877	-118.12				mg/L
P	31	52329.908	42668.55				mg/L
S	34	134296.992	-19229.65				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.688			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.255			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.600			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.356			
Na	23					

Sample ID: L1104006703SD WG360724-05
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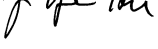

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104006703SD WG360724-05
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006701PS WG360750-01

Sample Date/Time: Monday, April 04, 2011 16:47:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22775.967	-0.00				ug/L
|	Be	9	15694.309	0.07	45.0679	2.658	5.898	ug/L
|	Al	27	50955607.586	234.97	7526.5141	410.307	5.451	ug/L
⌊>	Sc	45	217203.163	217203.16				ug/L
⌈	Ti	49	19340.629	0.05	34.0236	0.737	2.166	ug/L
|	V	51	707532.868	1.99	77.1798	1.464	1.897	ug/L
|	Cr	52	489149.772	1.36	62.2382	1.253	2.014	ug/L
|	Cr	53	56729.455	0.16	61.5221	1.134	1.843	ug/L
|	Mn	55	2221026.889	6.28	185.3828	2.654	1.432	ug/L
|	Co	59	522976.044	1.48	55.2599	0.560	1.013	ug/L
|	Ni	60	113900.569	0.32	57.2086	1.012	1.768	ug/L
|	Cu	65	124365.570	0.35	59.1603	0.647	1.094	ug/L
|	Zn	66	81317.826	0.23	65.0075	0.862	1.326	ug/L
|>	Ge	72	353627.124	353627.12				ug/L
|	As	75	58414.897	0.17	50.4240	0.342	0.678	ug/L
|	Se	77	4643.078	0.01	49.4251	0.705	1.427	ug/L
|	Se	82	5402.273	0.02	47.1264	0.411	0.873	ug/L
⌊	Rb	85	56881.898	0.16				mg/L
	Y	89	236037.094	-27027.71				ug/L
	Rh	103	51.667	35.00				ug/L
⌈	Mo	98	268.841	0.00	0.0390	0.007	16.671	ug/L
|	Ag	107	315850.753	0.96	52.1800	1.073	2.056	ug/L
|	Cd	114	64437.181	0.20	51.3443	1.271	2.475	ug/L
|>	In	115	329431.391	329431.39				ug/L
|	Sn	118	212.269	0.00	0.0230	0.002	9.273	ug/L
⌊	Sb	123	201040.617	0.61	50.6328	0.360	0.712	ug/L
⌈	Ba	135	105500.059	0.27	65.6199	0.852	1.299	ug/L
|	Ce	140	157100.162	0.40				ug/L
⌊>	Tb	159	390427.427	390427.43				ug/L
⌈	Ho	165	743.436	0.00				ug/L
|	Tl	203	379009.627	1.01	51.3427	0.540	1.052	ug/L
|	Tl	205	946260.653	2.52	52.2694	0.576	1.103	ug/L
|	Pb	206	348013.282	0.92	58.1804	0.503	0.864	ug/L
|	Pb	207	309282.984	0.82	54.6767	0.475	0.870	ug/L
|	Pb	208	1431015.127	3.80	56.9999	0.366	0.643	ug/L
|	U	238	2200726.590	5.85	55.2996	0.636	1.151	ug/L
⌊>	Bi	209	376153.704	376153.70				ug/L

Sample ID: L1104006701PS WG360750-01
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⌈	Na	23	48555.808	0.17	0.0037	0.001	13.866	mg/L
|	Mg	24	656412.155	3.03	0.1575	0.008	5.016	mg/L
|	K	39	1865606.730	6.44	0.1645	0.008	4.868	mg/L
|	Ca	43	876.794	0.00	0.0274	0.009	31.303	mg/L
|	Fe	54	9066649.320	41.55	13.0523	0.653	5.000	mg/L
|	Fe	57	3966285.831	18.24	13.6687	0.727	5.320	mg/L
⌊>	Sc-1	45	217203.163	217203.16				mg/L
	Cl	35	20605.243	-5393.19				mg/L
	Kr	83	70.334	0.00				mg/L
	Br	81	9764.098	-563.90				mg/L
	P	31	54827.931	45166.57				mg/L
	S	34	129353.426	-24173.21				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.203			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.562			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		90.820			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.267			
⌈	Na	23					

Sample ID: L1104006701PS WG360750-01
Report Date/Time: Monday, April 04, 2011 16:49:21
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104006701PS WG360750-01
Report Date/Time: Monday, April 04, 2011 16:49:21
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006701SDL WG360750-02

Sample Date/Time: Monday, April 04, 2011 16:54:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20521.051	0.00				ug/L
|	Be	9	16.667	0.00	0.0752	0.011	14.591	ug/L
|	Al	27	9837860.361	52.94	1695.7751	95.130	5.610	ug/L
⌊>	Sc	45	185878.476	185878.48				ug/L
⌈	Ti	49	4007.874	0.01	6.9974	0.500	7.141	ug/L
|	V	51	52121.317	0.14	5.3632	0.042	0.778	ug/L
|	Cr	52	27306.170	0.05	2.2260	0.045	2.040	ug/L
|	Cr	53	2383.856	0.01	2.2468	0.069	3.053	ug/L
|	Mn	55	312316.268	0.88	25.9895	0.473	1.819	ug/L
|	Co	59	3758.077	0.01	0.3588	0.005	1.254	ug/L
|	Ni	60	1502.795	0.00	0.6683	0.027	4.036	ug/L
|	Cu	65	2471.664	0.01	1.1143	0.005	0.462	ug/L
|	Zn	66	6482.166	0.02	4.9507	0.175	3.532	ug/L
|>	Ge	72	354013.476	354013.48				ug/L
|	As	75	104.611	0.00	0.3338	0.036	10.740	ug/L
|	Se	77	96.667	-0.00	0.0439	0.164	372.752	ug/L
|	Se	82	13.789	0.00	0.2020	0.139	68.935	ug/L
⌊	Rb	85	11423.635	0.03				mg/L
	Y	89	232484.496	-30580.31				ug/L
	Rh	103	12.667	-4.00				ug/L
⌈	Mo	98	88.024	0.00	-0.0243	0.007	27.926	ug/L
|	Ag	107	57.001	0.00	-0.0140	0.001	6.343	ug/L
|	Cd	114	3.744	0.00	0.0074	0.003	35.139	ug/L
|>	In	115	328133.511	328133.51				ug/L
|	Sn	118	144.401	0.00	0.0080	0.001	17.136	ug/L
⌊	Sb	123	488.677	0.00	0.1022	0.011	11.140	ug/L
⌈	Ba	135	4753.844	0.01	2.9778	0.088	2.967	ug/L
|	Ce	140	30573.071	0.08				ug/L
⌊>	Tb	159	385279.459	385279.46				ug/L
⌈	Ho	165	156.684	0.00				ug/L
|	Tl	203	136.336	0.00	0.0077	0.003	38.135	ug/L
|	Tl	205	343.374	0.00	0.0015	0.001	47.668	ug/L
|	Pb	206	6490.838	0.02	1.0506	0.007	0.622	ug/L
|	Pb	207	5532.919	0.01	0.9563	0.015	1.538	ug/L
|	Pb	208	25982.967	0.07	1.0073	0.006	0.573	ug/L
|	U	238	4595.436	0.01	0.1111	0.005	4.633	ug/L
⌊>	Bi	209	368810.696	368810.70				ug/L

Sample ID: L1104006701SDL WG360750-02
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Na	23	32104.719	0.12	0.0018	0.000	11.907	mg/L
Mg	24	129111.345	0.69	0.0339	0.001	2.817	mg/L
K	39	668066.590	1.44	0.0313	0.003	8.911	mg/L
Ca	43	426.719	0.00	0.0078	0.005	62.909	mg/L
Fe	54	1913282.179	10.05	3.1518	0.051	1.632	mg/L
Fe	57	772262.192	4.11	3.0764	0.040	1.288	mg/L
> Sc-1	45	185878.476	185878.48				mg/L
Cl	35	15487.988	-10510.44				mg/L
Kr	83	62.667	-7.67				mg/L
Br	81	10452.795	124.79				mg/L
P	31	18406.927	8745.57				mg/L
S	34	131267.439	-22259.20				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		94.306			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.209			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.622			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.349			
Na	23					

Sample ID: L1104006701SDL WG360750-02
Report Date/Time: Monday, April 04, 2011 16:56:27
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104006701SDL WG360750-02
Report Date/Time: Monday, April 04, 2011 16:56:27
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 17:01:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19302.006	0.00				ug/L
|	Be	9	14100.602	0.08	51.3514	2.699	5.256	ug/L
|	Al	27	271897.338	1.58	50.5780	3.026	5.983	ug/L
⌊>	Sc	45	171238.960	171238.96				ug/L
⌈	Ti	49	52593.227	0.15	93.6188	1.637	1.749	ug/L
|	V	51	435455.552	1.24	47.8823	0.583	1.217	ug/L
|	Cr	52	377978.297	1.05	48.3182	0.257	0.532	ug/L
|	Cr	53	45363.905	0.13	49.6611	1.774	3.573	ug/L
|	Mn	55	584069.816	1.67	49.2302	0.787	1.598	ug/L
|	Co	59	463322.286	1.32	49.4784	0.407	0.822	ug/L
|	Ni	60	98929.277	0.28	50.2100	0.305	0.608	ug/L
|	Cu	65	105970.939	0.30	50.9464	0.732	1.438	ug/L
|	Zn	66	65124.357	0.19	52.5752	0.303	0.576	ug/L
| >	Ge	72	349872.329	349872.33				ug/L
|	As	75	56190.790	0.16	49.0322	0.422	0.860	ug/L
|	Se	77	4683.096	0.01	50.4054	0.555	1.101	ug/L
|	Se	82	5544.391	0.02	48.8776	0.648	1.326	ug/L
⌊	Rb	85	2200.264	0.01				mg/L
	Y	89	232968.913	-30095.89				ug/L
	Rh	103	40.334	23.67				ug/L
⌈	Mo	98	284894.108	0.86	99.7955	1.064	1.066	ug/L
|	Ag	107	305230.333	0.92	50.2716	0.351	0.699	ug/L
|	Cd	114	64127.456	0.19	50.9386	0.395	0.775	ug/L
| >	In	115	330410.899	330410.90				ug/L
|	Sn	118	227025.345	0.69	50.2358	0.368	0.733	ug/L
⌊	Sb	123	197374.404	0.60	49.5639	0.622	1.255	ug/L
⌈	Ba	135	80097.351	0.20	49.2086	0.500	1.017	ug/L
|	Ce	140	70.007	0.00				ug/L
⌊>	Tb	159	395232.463	395232.46				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	347055.696	0.97	49.3635	0.361	0.731	ug/L
|	Tl	205	839050.912	2.34	48.6647	1.216	2.499	ug/L
|	Pb	206	282399.963	0.79	49.5644	0.534	1.078	ug/L
|	Pb	207	268126.598	0.75	49.7681	0.851	1.709	ug/L
|	Pb	208	1187207.023	3.31	49.6470	0.086	0.172	ug/L
|	U	238	1997313.958	5.58	52.6983	0.302	0.572	ug/L
⌊>	Bi	209	358242.872	358242.87				ug/L

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Na	23	22837793.138	133.52	4.7973	0.256	5.328	mg/L	
Mg	24	15425498.981	90.24	4.7840	0.282	5.900	mg/L	
K	39	32700191.254	189.01	5.0257	0.187	3.718	mg/L	
Ca	43	77221.681	0.45	5.0481	0.066	1.316	mg/L	
Fe	54	2792800.443	16.08	5.0489	0.236	4.684	mg/L	
Fe	57	1171634.620	6.80	5.0982	0.267	5.230	mg/L	
Sc-1	45	171238.960	171238.96				mg/L	
Cl	35	15387.840	-10610.59				mg/L	
Kr	83	65.668	-4.67				mg/L	
Br	81	10111.781	-216.22				mg/L	
P	31	8930.687	-730.67				mg/L	
S	34	144640.175	-8886.46				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	95.765				
Cr	52	96.636				
Cr	53					
Mn	55	98.460				
Co	59	98.957				
Ni	60	100.420				
Cu	65	101.893				
Zn	66	105.150				
Ge	72		93.203			
As	75	98.064				
Se	77					
Se	82	97.755				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.543				
Cd	114	101.877				
In	115		89.828			
Sn	118					
Sb	123	99.128				
Ba	135	98.417				
Ce	140					
Tb	159		91.938			
Ho	165					
Tl	203	98.727				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.294				
U	238	105.397				
Bi	209		93.588			
Na	23					

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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 17:03:34

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 17:08:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20654.666	0.01				ug/L
|	Be	9	12.000	0.00	0.0607	0.011	17.356	ug/L
|	Al	27	2600.344	0.00	0.0896	0.073	81.282	ug/L
|>	Sc	45	179363.030	179363.03				ug/L
⌈	Ti	49	46.671	0.00	0.0275	0.051	186.687	ug/L
|	V	51	3224.676	0.00	0.0115	0.002	13.949	ug/L
|	Cr	52	10444.223	0.00	0.0369	0.026	71.073	ug/L
|	Cr	53	243.361	-0.00	-0.0848	0.059	70.071	ug/L
|	Mn	55	344.343	-0.00	-0.0339	0.001	2.254	ug/L
|	Co	59	84.668	-0.00	-0.0292	0.001	2.287	ug/L
|	Ni	60	41.000	-0.00	-0.0663	0.005	7.398	ug/L
|	Cu	65	86.335	0.00	-0.0203	0.007	32.244	ug/L
|	Zn	66	201.671	0.00	-0.0852	0.019	22.290	ug/L
|>	Ge	72	354130.425	354130.42				ug/L
|	As	75	-193.683	0.00	0.0779	0.031	39.155	ug/L
|	Se	77	99.334	-0.00	0.0728	0.138	190.145	ug/L
|	Se	82	15.435	0.00	0.2176	0.115	52.759	ug/L
⌊	Rb	85	23.000	0.00				mg/L
	Y	89	238698.921	-24365.88				ug/L
	Rh	103	12.000	-4.67				ug/L
⌈	Mo	98	353.101	0.00	0.0674	0.020	29.262	ug/L
|	Ag	107	49.334	0.00	-0.0153	0.001	6.966	ug/L
|	Cd	114	5.346	0.00	0.0086	0.002	22.121	ug/L
|>	In	115	332739.260	332739.26				ug/L
|	Sn	118	256.137	0.00	0.0321	0.006	17.168	ug/L
⌊	Sb	123	145.741	0.00	0.0149	0.003	22.167	ug/L
⌈	Ba	135	23.667	-0.00	-0.0050	0.002	46.118	ug/L
|	Ce	140	10.001	-0.00				ug/L
|>	Tb	159	394584.115	394584.12				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	46.001	0.00	-0.0046	0.002	36.845	ug/L
|	Tl	205	120.013	0.00	-0.0109	0.001	9.685	ug/L
|	Pb	206	305.674	-0.00	-0.0036	0.002	64.248	ug/L
|	Pb	207	277.340	0.00	0.0094	0.000	2.389	ug/L
|	Pb	208	1241.709	0.00	0.0026	0.000	16.582	ug/L
|	U	238	156.003	0.00	-0.0026	0.001	31.060	ug/L
|>	Bi	209	359100.086	359100.09				ug/L

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⌈	Na	23	10823.616	0.00	-0.0022	0.000	8.345	mg/L
|	Mg	24	750.104	0.00	-0.0028	0.000	1.837	mg/L
|	K	39	376687.976	-0.05	-0.0084	0.002	25.739	mg/L
|	Ca	43	196.688	-0.00	-0.0056	0.003	46.935	mg/L
|	Fe	54	45856.123	0.01	-0.0025	0.002	73.429	mg/L
|	Fe	57	8884.848	0.00	-0.0005	0.003	701.665	mg/L
⌊>	Sc-1	45	179363.030	179363.03				mg/L
	Cl	35	14386.360	-11612.07				mg/L
	Kr	83	65.001	-5.33				mg/L
	Br	81	10897.935	569.93				mg/L
	P	31	8787.195	-874.16				mg/L
	S	34	145337.151	-8189.49				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.337			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.461			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.787			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.812			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 17:10:38

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006601

Sample Date/Time: Monday, April 04, 2011 17:15:33
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22608.887	-0.02				ug/L
|	Be	9	109.334	0.00	0.2826	0.038	13.561	ug/L
|	Al	27	91328311.206	353.35	11318.7139	751.799	6.642	ug/L
⌊>	Sc	45	258895.317	258895.32				ug/L
⌈	Ti	49	78226.030	0.23	141.2403	3.813	2.700	ug/L
|	V	51	450880.815	1.30	50.2899	0.791	1.572	ug/L
|	Cr	52	161629.743	0.44	20.2052	0.227	1.121	ug/L
|	Cr	53	18211.732	0.05	20.0051	0.582	2.912	ug/L
|	Mn	55	1509763.896	4.37	129.1401	1.283	0.993	ug/L
|	Co	59	26056.505	0.08	2.7856	0.049	1.776	ug/L
|	Ni	60	14362.786	0.04	7.3180	0.134	1.832	ug/L
|	Cu	65	21276.490	0.06	10.3232	0.087	0.847	ug/L
|	Zn	66	30988.251	0.09	25.2407	0.260	1.031	ug/L
|>	Ge	72	345023.240	345023.24				ug/L
|	As	75	1663.445	0.01	1.7088	0.105	6.118	ug/L
|	Se	77	126.001	0.00	0.3976	0.082	20.555	ug/L
|	Se	82	30.766	0.00	0.3574	0.143	40.117	ug/L
⌊	Rb	85	100898.481	0.29				mg/L
	Y	89	253050.329	-10014.47				ug/L
	Rh	103	18.334	1.67				ug/L
⌈	Mo	98	1724.458	0.01	0.5676	0.009	1.573	ug/L
|	Ag	107	200.004	0.00	0.0106	0.001	7.735	ug/L
|	Cd	114	272.906	0.00	0.2278	0.031	13.598	ug/L
|>	In	115	320539.071	320539.07				ug/L
|	Sn	118	320.938	0.00	0.0490	0.002	4.840	ug/L
⌊	Sb	123	142.615	0.00	0.0155	0.003	20.472	ug/L
⌈	Ba	135	43651.170	0.11	27.7127	0.189	0.683	ug/L
|	Ce	140	1025186.900	2.68				ug/L
⌊>	Tb	159	382355.901	382355.90				ug/L
⌈	Ho	165	3100.791	0.01				ug/L
|	Tl	203	862.379	0.00	0.1080	0.003	2.714	ug/L
|	Tl	205	2043.747	0.01	0.0973	0.006	6.364	ug/L
|	Pb	206	74708.114	0.20	12.6868	0.177	1.394	ug/L
|	Pb	207	63790.787	0.17	11.4619	0.042	0.369	ug/L
|	Pb	208	298550.627	0.81	12.0831	0.135	1.119	ug/L
|	U	238	41862.193	0.11	1.0657	0.014	1.299	ug/L
⌊>	Bi	209	369035.478	369035.48				ug/L

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⌈	Na	23	854282.987	3.25	0.1143	0.003	2.855	mg/L
|	Mg	24	1867205.013	7.22	0.3800	0.015	3.817	mg/L
|	K	39	4191546.550	14.06	0.3675	0.031	8.421	mg/L
|	Ca	43	1560.278	0.00	0.0497	0.002	3.723	mg/L
|	Fe	54	14155345.671	54.50	17.1214	0.906	5.294	mg/L
|	Fe	57	6088073.209	23.50	17.6080	0.846	4.803	mg/L
⌊>	Sc-1	45	258895.317	258895.32				mg/L
	Cl	35	20843.034	-5155.40				mg/L
	Kr	83	65.334	-5.00				mg/L
	Br	81	10663.017	335.02				mg/L
	P	31	88815.333	79153.97				mg/L
	S	34	137696.998	-15829.64				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.911			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.145			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.942			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.408			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006602

Sample Date/Time: Monday, April 04, 2011 17:22:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21740.489	-0.01				ug/L
|	Be	9	111.334	0.00	0.3273	0.044	13.565	ug/L
|	Al	27	80785222.529	358.72	11490.7469	336.146	2.925	ug/L
⌊>	Sc	45	225399.373	225399.37				ug/L
⌈	Ti	49	30646.624	0.09	55.1574	1.331	2.414	ug/L
|	V	51	468411.879	1.35	52.1200	0.793	1.522	ug/L
|	Cr	52	200540.623	0.55	25.3155	0.273	1.076	ug/L
|	Cr	53	22671.270	0.06	24.9249	0.471	1.888	ug/L
|	Mn	55	3476611.273	10.05	296.6800	4.925	1.660	ug/L
|	Co	59	44482.161	0.13	4.7700	0.076	1.601	ug/L
|	Ni	60	12755.926	0.04	6.4721	0.113	1.741	ug/L
|	Cu	65	23836.281	0.07	11.5411	0.052	0.447	ug/L
|	Zn	66	37317.213	0.11	30.3656	0.553	1.820	ug/L
|>	Ge	72	345952.082	345952.08				ug/L
|	As	75	3819.682	0.01	3.5981	0.046	1.288	ug/L
|	Se	77	134.668	0.00	0.4891	0.206	42.061	ug/L
|	Se	82	46.357	0.00	0.4972	0.244	49.001	ug/L
⌊	Rb	85	146241.737	0.42				mg/L
	Y	89	239822.183	-23242.62				ug/L
	Rh	103	20.000	3.33				ug/L
⌈	Mo	98	1136.546	0.00	0.3545	0.007	1.884	ug/L
|	Ag	107	337.009	0.00	0.0337	0.004	10.643	ug/L
|	Cd	114	32.257	0.00	0.0308	0.014	47.098	ug/L
|>	In	115	321072.588	321072.59				ug/L
|	Sn	118	234.803	0.00	0.0293	0.002	6.547	ug/L
⌊	Sb	123	109.071	0.00	0.0068	0.003	50.029	ug/L
⌈	Ba	135	74239.639	0.20	47.4002	0.358	0.755	ug/L
|	Ce	140	268647.454	0.71				ug/L
⌊>	Tb	159	380305.745	380305.74				ug/L
⌈	Ho	165	1736.993	0.00				ug/L
|	Tl	203	1228.754	0.00	0.1580	0.001	0.356	ug/L
|	Tl	205	3020.758	0.01	0.1518	0.005	3.312	ug/L
|	Pb	206	61302.978	0.16	10.3665	0.152	1.464	ug/L
|	Pb	207	52287.871	0.14	9.3579	0.064	0.689	ug/L
|	Pb	208	244517.806	0.66	9.8557	0.105	1.070	ug/L
|	U	238	51073.272	0.14	1.2975	0.007	0.535	ug/L
⌊>	Bi	209	370191.927	370191.93				ug/L

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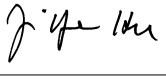

⌈	Na	23	144849.859	0.59	0.0188	0.001	7.935	mg/L
|	Mg	24	1845592.444	8.20	0.4318	0.014	3.175	mg/L
|	K	39	3561726.526	13.66	0.3567	0.011	3.019	mg/L
|	Ca	43	4691.570	0.02	0.2163	0.015	7.093	mg/L
|	Fe	54	17565780.329	77.80	24.4414	1.134	4.639	mg/L
|	Fe	57	7673691.293	34.05	25.5183	1.272	4.984	mg/L
⌊>	Sc-1	45	225399.373	225399.37				mg/L
	Cl	35	25263.212	-735.22				mg/L
	Kr	83	74.001	3.67				mg/L
	Br	81	10604.289	276.29				mg/L
	P	31	82121.155	72459.80				mg/L
	S	34	139217.270	-14309.37				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.158			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.290			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.465			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.710			
⌈	Na	23					

Sample ID: L1104006602
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104006602
Report Date/Time: Monday, April 04, 2011 17:24:51

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006603

Sample Date/Time: Monday, April 04, 2011 17:29:46
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22191.275	-0.00				ug/L
|	Be	9	68.667	0.00	0.2209	0.047	21.380	ug/L
|	Al	27	48471133.517	228.40	7316.3199	435.192	5.948	ug/L
⌊>	Sc	45	212485.405	212485.40				ug/L
⌈	Ti	49	17096.313	0.05	30.4016	0.717	2.358	ug/L
|	V	51	256256.595	0.72	28.0397	0.397	1.416	ug/L
|	Cr	52	102367.322	0.27	12.1262	0.162	1.338	ug/L
|	Cr	53	11007.168	0.03	11.7866	0.767	6.505	ug/L
|	Mn	55	1322069.015	3.78	111.5216	1.261	1.130	ug/L
|	Co	59	14469.607	0.04	1.5084	0.020	1.295	ug/L
|	Ni	60	6739.671	0.02	3.3400	0.052	1.562	ug/L
|	Cu	65	12062.391	0.03	5.7448	0.008	0.144	ug/L
|	Zn	66	19148.183	0.05	15.2865	0.489	3.199	ug/L
|>	Ge	72	349837.665	349837.67				ug/L
|	As	75	1465.336	0.00	1.5165	0.062	4.093	ug/L
|	Se	77	99.334	-0.00	0.0852	0.183	214.938	ug/L
|	Se	82	27.421	0.00	0.3245	0.053	16.222	ug/L
⌊	Rb	85	58779.514	0.17				mg/L
	Y	89	232996.302	-30068.50				ug/L
	Rh	103	16.334	-0.33				ug/L
⌈	Mo	98	461.846	0.00	0.1104	0.004	3.744	ug/L
|	Ag	107	144.336	0.00	0.0010	0.002	164.385	ug/L
|	Cd	114	8.100	0.00	0.0110	0.007	63.716	ug/L
|>	In	115	322491.168	322491.17				ug/L
|	Sn	118	186.402	0.00	0.0181	0.002	11.238	ug/L
⌊	Sb	123	74.821	0.00	-0.0021	0.004	169.768	ug/L
⌈	Ba	135	24984.759	0.07	15.7974	0.271	1.718	ug/L
|	Ce	140	135184.459	0.35				ug/L
⌊>	Tb	159	383757.164	383757.16				ug/L
⌈	Ho	165	870.125	0.00				ug/L
|	Tl	203	548.021	0.00	0.0638	0.003	4.934	ug/L
|	Tl	205	1260.205	0.00	0.0524	0.004	7.275	ug/L
|	Pb	206	25070.304	0.07	4.1727	0.048	1.154	ug/L
|	Pb	207	20992.555	0.06	3.7028	0.066	1.774	ug/L
|	Pb	208	99035.345	0.26	3.9314	0.048	1.212	ug/L
|	U	238	24051.803	0.06	0.6029	0.020	3.392	ug/L
⌊>	Bi	209	373131.806	373131.81				ug/L

Sample ID: L1104006603
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⌈	Na	23	75753.712	0.30	0.0085	0.001	11.090	mg/L
|	Mg	24	656056.256	3.09	0.1610	0.009	5.797	mg/L
|	K	39	1840515.743	6.51	0.1664	0.005	3.200	mg/L
|	Ca	43	823.450	0.00	0.0255	0.005	21.084	mg/L
|	Fe	54	9308148.108	43.58	13.6876	0.269	1.966	mg/L
|	Fe	57	3965157.461	18.63	13.9618	0.630	4.510	mg/L
⌊>	Sc-1	45	212485.405	212485.40				mg/L
	Cl	35	15298.360	-10700.07				mg/L
	Kr	83	66.668	-3.67				mg/L
	Br	81	9904.904	-423.10				mg/L
	P	31	56134.461	46473.10				mg/L
	S	34	135634.304	-17892.33				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.193			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.675			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.268			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.478			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006604

Sample Date/Time: Monday, April 04, 2011 17:36:53
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21890.711	-0.01				ug/L
|	Be	9	92.000	0.00	0.2832	0.016	5.825	ug/L
|	Al	27	52006731.231	239.56	7673.6236	361.799	4.715	ug/L
⌊>	Sc	45	217444.410	217444.41				ug/L
⌈	Ti	49	77029.905	0.22	138.7955	2.396	1.726	ug/L
|	V	51	262882.018	0.75	29.1194	0.610	2.094	ug/L
|	Cr	52	74146.631	0.19	8.5350	0.117	1.371	ug/L
|	Cr	53	8070.732	0.02	8.6515	0.330	3.816	ug/L
|	Mn	55	1679822.054	4.86	143.3955	1.530	1.067	ug/L
|	Co	59	27249.016	0.08	2.9087	0.017	0.580	ug/L
|	Ni	60	8693.532	0.02	4.3860	0.105	2.387	ug/L
|	Cu	65	14405.180	0.04	6.9548	0.113	1.630	ug/L
|	Zn	66	27314.194	0.08	22.1729	0.338	1.523	ug/L
|>	Ge	72	345744.626	345744.63				ug/L
|	As	75	941.185	0.00	1.0710	0.043	4.056	ug/L
|	Se	77	110.001	0.00	0.2177	0.233	106.920	ug/L
|	Se	82	28.496	0.00	0.3368	0.070	20.757	ug/L
⌊	Rb	85	67093.343	0.19				mg/L
	Y	89	255050.557	-8014.24				ug/L
	Rh	103	14.333	-2.33				ug/L
⌈	Mo	98	886.441	0.00	0.2642	0.012	4.412	ug/L
|	Ag	107	120.335	0.00	-0.0030	0.002	57.310	ug/L
|	Cd	114	34.219	0.00	0.0324	0.009	28.391	ug/L
|>	In	115	321200.695	321200.69				ug/L
|	Sn	118	246.403	0.00	0.0319	0.002	6.238	ug/L
⌊	Sb	123	84.740	0.00	0.0005	0.002	499.662	ug/L
⌈	Ba	135	30613.433	0.08	19.3288	0.385	1.994	ug/L
|	Ce	140	350863.757	0.91				ug/L
⌊>	Tb	159	384377.008	384377.01				ug/L
⌈	Ho	165	2687.296	0.01				ug/L
|	Tl	203	504.351	0.00	0.0593	0.007	11.941	ug/L
|	Tl	205	1196.858	0.00	0.0502	0.005	9.391	ug/L
|	Pb	206	28286.233	0.08	4.8158	0.126	2.623	ug/L
|	Pb	207	24184.454	0.07	4.3619	0.050	1.135	ug/L
|	Pb	208	112384.246	0.30	4.5626	0.083	1.814	ug/L
|	U	238	21095.105	0.06	0.5390	0.009	1.756	ug/L
⌊>	Bi	209	365529.930	365529.93				ug/L

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⌈	Na	23	192884.908	0.83	0.0276	0.002	7.156	mg/L
|	Mg	24	1665725.872	7.68	0.4045	0.028	7.029	mg/L
|	K	39	3303938.704	13.06	0.3408	0.016	4.700	mg/L
|	Ca	43	1376.899	0.00	0.0533	0.004	7.418	mg/L
|	Fe	54	9065466.065	41.51	13.0397	0.562	4.312	mg/L
|	Fe	57	3887557.829	17.87	13.3936	0.793	5.918	mg/L
⌊>	Sc-1	45	217444.410	217444.41				mg/L
	Cl	35	20461.579	-5536.85				mg/L
	Kr	83	58.001	-12.33				mg/L
	Br	81	10286.625	-41.38				mg/L
	P	31	69598.044	59936.69				mg/L
	S	34	134950.603	-18576.03				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.103			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.324			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.412			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.492			
⌈	Na	23					

Sample ID: L1104006604
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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006605

Sample Date/Time: Monday, April 04, 2011 17:44:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21773.890	-0.01				ug/L
|	Be	9	101.334	0.00	0.3138	0.005	1.448	ug/L
|	Al	27	33874848.363	158.23	5068.4362	187.104	3.692	ug/L
⌊>	Sc	45	214222.028	214222.03				ug/L
⌈	Ti	49	83751.094	0.24	151.4212	3.438	2.270	ug/L
|	V	51	195159.553	0.56	21.6053	0.147	0.679	ug/L
|	Cr	52	75874.221	0.19	8.8005	0.196	2.222	ug/L
|	Cr	53	8004.017	0.02	8.6083	0.721	8.372	ug/L
|	Mn	55	622429.631	1.81	53.2784	0.073	0.137	ug/L
|	Co	59	17655.749	0.05	1.8781	0.022	1.177	ug/L
|	Ni	60	7326.423	0.02	3.6955	0.025	0.673	ug/L
|	Cu	65	10660.120	0.03	5.1490	0.087	1.693	ug/L
|	Zn	66	35075.089	0.10	28.6432	0.110	0.386	ug/L
|>	Ge	72	344530.359	344530.36				ug/L
|	As	75	207.366	0.00	0.4269	0.032	7.418	ug/L
|	Se	77	99.334	0.00	0.1021	0.111	108.621	ug/L
|	Se	82	7.713	0.00	0.1522	0.121	79.178	ug/L
⌊	Rb	85	62074.701	0.18				mg/L
	Y	89	284350.879	21286.08				ug/L
	Rh	103	15.667	-1.00				ug/L
⌈	Mo	98	490.519	0.00	0.1213	0.015	12.712	ug/L
|	Ag	107	88.001	0.00	-0.0085	0.001	15.088	ug/L
|	Cd	114	169.160	0.00	0.1425	0.014	9.503	ug/L
|>	In	115	321533.871	321533.87				ug/L
|	Sn	118	282.804	0.00	0.0401	0.002	5.065	ug/L
⌊	Sb	123	76.698	0.00	-0.0016	0.002	99.022	ug/L
⌈	Ba	135	37022.445	0.10	23.1510	0.123	0.532	ug/L
|	Ce	140	279616.472	0.72				ug/L
⌊>	Tb	159	388133.134	388133.13				ug/L
⌈	Ho	165	3957.846	0.01				ug/L
|	Tl	203	445.014	0.00	0.0502	0.003	6.612	ug/L
|	Tl	205	1086.835	0.00	0.0432	0.007	16.019	ug/L
|	Pb	206	25232.045	0.07	4.2351	0.054	1.269	ug/L
|	Pb	207	21493.622	0.06	3.8235	0.031	0.819	ug/L
|	Pb	208	100821.147	0.27	4.0366	0.049	1.225	ug/L
|	U	238	14623.502	0.04	0.3668	0.006	1.638	ug/L
⌊>	Bi	209	370058.849	370058.85				ug/L

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Na	23	301628.689	1.35	0.0463	0.001	2.913	mg/L	
Mg	24	1861323.309	8.70	0.4584	0.024	5.271	mg/L	
K	39	3829492.129	15.73	0.4119	0.016	3.809	mg/L	
Ca	43	896.798	0.00	0.0293	0.012	39.350	mg/L	
Fe	54	5898086.150	27.30	8.5737	0.241	2.808	mg/L	
Fe	57	2588191.152	12.04	9.0246	0.327	3.623	mg/L	
> Sc-1	45	214222.028	214222.03				mg/L	
Cl	35	15550.751	-10447.68				mg/L	
Kr	83	71.334	1.00				mg/L	
Br	81	9932.934	-395.07				mg/L	
P	31	84429.724	74768.36				mg/L	
S	34	133145.979	-20380.66				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.780			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		87.415			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		90.286			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.675			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104006605
Report Date/Time: Monday, April 04, 2011 17:46:14
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006606

Sample Date/Time: Monday, April 04, 2011 17:51:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22542.074	-0.00				ug/L
|	Be	9	74.667	0.00	0.2426	0.049	20.185	ug/L
|	Al	27	45907028.869	220.68	7068.7575	245.284	3.470	ug/L
⌊>	Sc	45	208162.166	208162.17				ug/L
⌈	Ti	49	70441.142	0.20	127.7216	4.078	3.193	ug/L
|	V	51	215036.223	0.62	23.9118	0.195	0.817	ug/L
|	Cr	52	79615.550	0.20	9.3297	0.140	1.502	ug/L
|	Cr	53	8424.395	0.02	9.1100	0.540	5.923	ug/L
|	Mn	55	1586592.329	4.62	136.3078	0.816	0.598	ug/L
|	Co	59	43615.681	0.13	4.7095	0.014	0.301	ug/L
|	Ni	60	9812.578	0.03	4.9944	0.120	2.398	ug/L
|	Cu	65	9564.001	0.03	4.6272	0.081	1.753	ug/L
|	Zn	66	31341.690	0.09	25.6440	0.191	0.744	ug/L
|>	Ge	72	343509.524	343509.52				ug/L
|	As	75	120.411	0.00	0.3501	0.082	23.457	ug/L
|	Se	77	86.000	-0.00	-0.0442	0.128	289.380	ug/L
|	Se	82	-4.693	-0.00	0.0402	0.214	532.390	ug/L
⌊	Rb	85	43640.790	0.13				mg/L
	Y	89	284502.393	21437.59				ug/L
	Rh	103	16.334	-0.33				ug/L
⌈	Mo	98	537.371	0.00	0.1379	0.009	6.503	ug/L
|	Ag	107	101.002	0.00	-0.0063	0.004	57.331	ug/L
|	Cd	114	309.583	0.00	0.2569	0.007	2.639	ug/L
|>	In	115	321854.046	321854.05				ug/L
|	Sn	118	259.203	0.00	0.0347	0.002	5.874	ug/L
⌊	Sb	123	71.994	0.00	-0.0028	0.002	54.157	ug/L
⌈	Ba	135	40565.852	0.11	25.5219	0.243	0.951	ug/L
|	Ce	140	461529.277	1.20				ug/L
⌊>	Tb	159	385824.594	385824.59				ug/L
⌈	Ho	165	4351.383	0.01				ug/L
|	Tl	203	334.676	0.00	0.0346	0.001	2.409	ug/L
|	Tl	205	856.789	0.00	0.0299	0.004	14.438	ug/L
|	Pb	206	32687.999	0.09	5.4604	0.093	1.701	ug/L
|	Pb	207	27611.685	0.07	4.8850	0.084	1.716	ug/L
|	Pb	208	130533.837	0.35	5.1997	0.079	1.527	ug/L
|	U	238	19722.294	0.05	0.4932	0.006	1.174	ug/L
⌊>	Bi	209	372969.676	372969.68				ug/L

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Na	23	531391.626	2.50	0.0874	0.002	1.743	mg/L	
Mg	24	1463709.021	7.04	0.3702	0.016	4.198	mg/L	
K	39	3031025.639	12.41	0.3235	0.011	3.424	mg/L	
Ca	43	796.778	0.00	0.0250	0.004	16.887	mg/L	
Fe	54	4783915.282	22.74	7.1395	0.120	1.685	mg/L	
Fe	57	2026710.378	9.70	7.2664	0.365	5.026	mg/L	
> Sc-1	45	208162.166	208162.17				mg/L	
Cl	35	19398.799	-6599.63				mg/L	
Kr	83	79.668	9.33				mg/L	
Br	81	9640.648	-687.35				mg/L	
P	31	80080.787	70419.43				mg/L	
S	34	128383.271	-25143.37				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.508			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		87.502			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		89.749			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.435			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006607

Sample Date/Time: Monday, April 04, 2011 17:58:16
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21673.485	0.01				ug/L
|	Be	9	52.000	0.00	0.1928	0.042	21.728	ug/L
|	Al	27	27169953.600	145.57	4662.9589	142.219	3.050	ug/L
⌊>	Sc	45	186676.515	186676.52				ug/L
⌈	Ti	49	7506.905	0.02	13.5901	0.695	5.111	ug/L
|	V	51	193510.911	0.56	21.5279	0.377	1.751	ug/L
|	Cr	52	95125.289	0.25	11.4291	0.141	1.237	ug/L
|	Cr	53	10146.164	0.03	11.0630	0.465	4.203	ug/L
|	Mn	55	172995.305	0.50	14.8359	0.181	1.222	ug/L
|	Co	59	9406.852	0.03	0.9878	0.033	3.330	ug/L
|	Ni	60	3759.745	0.01	1.8634	0.077	4.114	ug/L
|	Cu	65	8850.337	0.03	4.2854	0.075	1.746	ug/L
|	Zn	66	13718.207	0.04	11.1080	0.141	1.273	ug/L
|>	Ge	72	342858.873	342858.87				ug/L
|	As	75	1221.245	0.00	1.3263	0.047	3.533	ug/L
|	Se	77	107.334	0.00	0.1975	0.057	29.053	ug/L
|	Se	82	15.748	0.00	0.2249	0.065	28.842	ug/L
⌊	Rb	85	48831.760	0.14				mg/L
	Y	89	237029.845	-26034.96				ug/L
	Rh	103	18.000	1.33				ug/L
⌈	Mo	98	212.255	0.00	0.0209	0.001	7.011	ug/L
|	Ag	107	154.669	0.00	0.0027	0.001	44.209	ug/L
|	Cd	114	17.186	0.00	0.0185	0.007	35.317	ug/L
|>	In	115	322077.125	322077.12				ug/L
|	Sn	118	159.468	0.00	0.0120	0.003	22.163	ug/L
⌊	Sb	123	55.991	0.00	-0.0070	0.003	43.631	ug/L
⌈	Ba	135	28782.318	0.07	18.2091	0.053	0.289	ug/L
|	Ce	140	194217.172	0.51				ug/L
⌊>	Tb	159	383547.298	383547.30				ug/L
⌈	Ho	165	1100.171	0.00				ug/L
|	Tl	203	495.684	0.00	0.0572	0.004	7.437	ug/L
|	Tl	205	1120.175	0.00	0.0451	0.004	8.148	ug/L
|	Pb	206	31271.135	0.08	5.2672	0.165	3.126	ug/L
|	Pb	207	27102.951	0.07	4.8374	0.173	3.578	ug/L
|	Pb	208	126142.980	0.34	5.0670	0.129	2.537	ug/L
|	U	238	20053.287	0.05	0.5060	0.012	2.463	ug/L
⌊>	Bi	209	369904.899	369904.90				ug/L

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⌈	Na	23	384242.479	2.00	0.0696	0.003	4.390	mg/L
|	Mg	24	412461.468	2.21	0.1142	0.002	1.352	mg/L
|	K	39	1421959.660	5.46	0.1385	0.007	5.044	mg/L
|	Ca	43	776.775	0.00	0.0287	0.008	26.326	mg/L
|	Fe	54	4290734.673	22.74	7.1409	0.201	2.811	mg/L
|	Fe	57	1831260.843	9.76	7.3150	0.121	1.656	mg/L
⌊>	Sc-1	45	186676.515	186676.52				mg/L
	Cl	35	17479.935	-8518.49				mg/L
	Kr	83	67.334	-3.00				mg/L
	Br	81	10170.503	-157.50				mg/L
	P	31	58060.733	48399.37				mg/L
	S	34	126274.441	-27252.20				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.334			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.563			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.219			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.635			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104006607
Report Date/Time: Monday, April 04, 2011 18:00:27

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104006608

Sample Date/Time: Monday, April 04, 2011 18:05:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21322.725	-0.01				ug/L
|	Be	9	62.000	0.00	0.2001	0.036	18.083	ug/L
|	Al	27	37808598.972	177.78	5694.8690	208.760	3.666	ug/L
⌊>	Sc	45	212878.160	212878.16				ug/L
⌈	Ti	49	59767.404	0.18	109.4684	2.396	2.189	ug/L
|	V	51	222063.061	0.64	24.9574	0.357	1.431	ug/L
|	Cr	52	53371.917	0.13	5.8923	0.076	1.287	ug/L
|	Cr	53	5278.588	0.01	5.6364	0.172	3.049	ug/L
|	Mn	55	1738845.895	5.11	150.9021	1.518	1.006	ug/L
|	Co	59	25438.574	0.07	2.7587	0.039	1.421	ug/L
|	Ni	60	6679.965	0.02	3.4072	0.125	3.674	ug/L
|	Cu	65	9177.969	0.03	4.4834	0.111	2.481	ug/L
|	Zn	66	22363.540	0.07	18.4149	0.428	2.323	ug/L
|>	Ge	72	340092.930	340092.93				ug/L
|	As	75	504.257	0.00	0.6944	0.024	3.447	ug/L
|	Se	77	97.334	0.00	0.0936	0.146	155.838	ug/L
|	Se	82	10.768	0.00	0.1811	0.125	68.854	ug/L
⌊	Rb	85	41005.313	0.12				mg/L
	Y	89	244404.873	-18659.93				ug/L
	Rh	103	18.000	1.33				ug/L
⌈	Mo	98	188.469	0.00	0.0130	0.004	28.918	ug/L
|	Ag	107	97.001	0.00	-0.0068	0.002	26.645	ug/L
|	Cd	114	110.189	0.00	0.0951	0.005	5.590	ug/L
|>	In	115	318803.591	318803.59				ug/L
|	Sn	118	226.936	0.00	0.0278	0.003	9.709	ug/L
⌊	Sb	123	81.241	0.00	-0.0002	0.004	1645.202	ug/L
⌈	Ba	135	24525.287	0.06	15.7218	0.208	1.321	ug/L
|	Ce	140	520932.892	1.38				ug/L
⌊>	Tb	159	378481.208	378481.21				ug/L
⌈	Ho	165	2007.069	0.01				ug/L
|	Tl	203	368.010	0.00	0.0392	0.002	4.815	ug/L
|	Tl	205	860.123	0.00	0.0302	0.002	8.196	ug/L
|	Pb	206	30881.258	0.08	5.1608	0.123	2.380	ug/L
|	Pb	207	26462.235	0.07	4.6853	0.114	2.430	ug/L
|	Pb	208	124048.567	0.33	4.9439	0.067	1.356	ug/L
|	U	238	16258.371	0.04	0.4058	0.003	0.642	ug/L
⌊>	Bi	209	372592.492	372592.49				ug/L

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⌈	Na	23	112665.680	0.47	0.0147	0.001	5.256	mg/L
|	Mg	24	1272929.792	5.98	0.3144	0.006	1.961	mg/L
|	K	39	2360099.105	8.95	0.2313	0.016	6.836	mg/L
|	Ca	43	2824.015	0.01	0.1312	0.011	8.217	mg/L
|	Fe	54	6830388.549	31.87	10.0089	0.344	3.437	mg/L
|	Fe	57	2910163.537	13.64	10.2214	0.480	4.699	mg/L
⌊>	Sc-1	45	212878.160	212878.16				mg/L
	Cl	35	19392.801	-6605.63				mg/L
	Kr	83	65.001	-5.33				mg/L
	Br	81	9497.842	-830.16				mg/L
	P	31	69867.378	60206.02				mg/L
	S	34	127171.545	-26355.09				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		90.597			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		86.673			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.041			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.337			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 18:12:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19168.424	-0.00				ug/L
|	Be	9	14384.340	0.08	50.2630	2.088	4.155	ug/L
|	Al	27	283569.580	1.58	50.6522	4.159	8.212	ug/L
⌊>	Sc	45	178361.346	178361.35				ug/L
⌈	Ti	49	52945.097	0.15	94.9936	1.144	1.204	ug/L
|	V	51	433374.323	1.24	48.0315	0.702	1.462	ug/L
|	Cr	52	380608.142	1.07	49.0607	0.681	1.387	ug/L
|	Cr	53	44074.655	0.13	48.6165	0.516	1.060	ug/L
|	Mn	55	586691.982	1.69	49.8444	0.891	1.788	ug/L
|	Co	59	469039.874	1.35	50.4872	0.463	0.916	ug/L
|	Ni	60	99726.521	0.29	51.0158	0.432	0.847	ug/L
|	Cu	65	106441.560	0.31	51.5778	0.515	0.998	ug/L
|	Zn	66	64678.139	0.19	52.6307	0.592	1.126	ug/L
|>	Ge	72	347115.190	347115.19				ug/L
|	As	75	55570.387	0.16	48.8782	0.566	1.157	ug/L
|	Se	77	4549.702	0.01	49.3338	0.679	1.376	ug/L
|	Se	82	5553.353	0.02	49.3496	0.634	1.284	ug/L
⌊	Rb	85	2119.579	0.01				mg/L
	Y	89	229827.147	-33237.65				ug/L
	Rh	103	39.667	23.00				ug/L
⌈	Mo	98	282583.426	0.85	98.1361	0.165	0.168	ug/L
|	Ag	107	300295.581	0.90	49.0382	0.450	0.918	ug/L
|	Cd	114	63493.201	0.19	50.0088	0.409	0.817	ug/L
|>	In	115	333254.747	333254.75				ug/L
|	Sn	118	226666.385	0.68	49.7320	0.663	1.333	ug/L
⌊	Sb	123	196240.171	0.59	48.8544	0.306	0.626	ug/L
⌈	Ba	135	79882.605	0.20	49.4059	0.401	0.812	ug/L
|	Ce	140	56.673	0.00				ug/L
⌊>	Tb	159	392608.373	392608.37				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	350289.858	0.97	49.1952	0.429	0.872	ug/L
|	Tl	205	866804.431	2.39	49.6426	0.585	1.179	ug/L
|	Pb	206	283493.640	0.78	49.1286	0.152	0.310	ug/L
|	Pb	207	268064.705	0.74	49.1270	0.485	0.988	ug/L
|	Pb	208	1194607.779	3.29	49.3257	0.477	0.967	ug/L
|	U	238	2035243.149	5.61	53.0222	0.444	0.837	ug/L
⌊>	Bi	209	362806.944	362806.94				ug/L

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Na	23	22753558.515	127.69	4.5877	0.289	6.301	mg/L	
Mg	24	15815786.085	88.75	4.7051	0.178	3.774	mg/L	
K	39	32302055.809	179.14	4.7627	0.203	4.269	mg/L	
Ca	43	78830.688	0.44	4.9508	0.196	3.963	mg/L	
Fe	54	2762080.453	15.25	4.7878	0.192	4.019	mg/L	
Fe	57	1177543.262	6.56	4.9165	0.252	5.131	mg/L	
Sc-1	45	178361.346	178361.35				mg/L	
Cl	35	15000.576	-10997.85				mg/L	
Kr	83	71.001	0.67				mg/L	
Br	81	10272.610	-55.39				mg/L	
P	31	8939.389	-721.97				mg/L	
S	34	149420.827	-4105.81				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	96.063				
Cr	52	98.121				
Cr	53					
Mn	55	99.689				
Co	59	100.974				
Ni	60	102.032				
Cu	65	103.156				
Zn	66	105.261				
Ge	72		92.468			
As	75	97.756				
Se	77					
Se	82	98.699				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.076				
Cd	114	100.018				
In	115		90.602			
Sn	118					
Sb	123	97.709				
Ba	135	98.812				
Ce	140					
Tb	159		91.327			
Ho	165					
Tl	203	98.390				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.651				
U	238	106.044				
Bi	209		94.781			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 18:14:43

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 18:19:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20320.628	0.01				ug/L
|	Be	9	12.000	0.00	0.0622	0.007	10.503	ug/L
|	Al	27	2883.762	0.01	0.1555	0.110	70.787	ug/L
⌊>	Sc	45	174102.716	174102.72				ug/L
⌈	Ti	49	46.671	0.00	0.0257	0.027	104.369	ug/L
|	V	51	3267.693	0.00	0.0084	0.002	25.341	ug/L
|	Cr	52	10472.586	0.00	0.0109	0.016	146.848	ug/L
|	Cr	53	260.030	-0.00	-0.0725	0.086	118.440	ug/L
|	Mn	55	334.342	-0.00	-0.0353	0.001	3.696	ug/L
|	Co	59	105.668	-0.00	-0.0273	0.002	6.843	ug/L
|	Ni	60	43.334	-0.00	-0.0657	0.003	4.049	ug/L
|	Cu	65	82.001	0.00	-0.0233	0.006	27.169	ug/L
|	Zn	66	184.337	0.00	-0.1024	0.013	12.919	ug/L
|>	Ge	72	362024.067	362024.07				ug/L
|	As	75	-277.683	-0.00	0.0108	0.035	320.109	ug/L
|	Se	77	95.334	-0.00	0.0069	0.218	3138.666	ug/L
|	Se	82	-9.600	-0.00	0.0012	0.070	5730.696	ug/L
⌊	Rb	85	25.000	0.00				mg/L
	Y	89	241451.146	-21613.66				ug/L
	Rh	103	12.333	-4.33				ug/L
⌈	Mo	98	375.769	0.00	0.0715	0.014	19.648	ug/L
|	Ag	107	43.001	0.00	-0.0166	0.001	7.173	ug/L
|	Cd	114	2.683	0.00	0.0065	0.003	41.855	ug/L
|>	In	115	343072.766	343072.77				ug/L
|	Sn	118	240.936	0.00	0.0272	0.005	19.279	ug/L
⌊	Sb	123	80.241	0.00	-0.0020	0.001	63.262	ug/L
⌈	Ba	135	20.000	-0.00	-0.0077	0.001	15.214	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	405858.251	405858.25				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	47.001	0.00	-0.0048	0.001	13.903	ug/L
|	Tl	205	96.677	0.00	-0.0125	0.002	14.854	ug/L
|	Pb	206	317.342	-0.00	-0.0045	0.002	43.551	ug/L
|	Pb	207	301.674	0.00	0.0109	0.003	25.185	ug/L
|	Pb	208	1304.713	0.00	0.0024	0.002	88.547	ug/L
|	U	238	155.003	0.00	-0.0028	0.001	35.836	ug/L
⌊>	Bi	209	379252.383	379252.38				ug/L

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Na	23	11380.949	0.01	-0.0020	0.000	5.764	mg/L	
Mg	24	940.142	0.00	-0.0027	0.000	3.865	mg/L	
K	39	364654.007	-0.06	-0.0086	0.001	15.356	mg/L	
Ca	43	213.357	-0.00	-0.0043	0.003	80.175	mg/L	
Fe	54	45567.247	0.01	-0.0006	0.000	64.741	mg/L	
Fe	57	8507.806	-0.00	-0.0010	0.002	207.295	mg/L	
Sc-1	45	174102.716	174102.72				mg/L	
Cl	35	13157.992	-12840.44				mg/L	
Kr	83	69.001	-1.33				mg/L	
Br	81	11022.743	694.74				mg/L	
P	31	9232.275	-429.08				mg/L	
S	34	137745.647	-15780.99				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		96.440			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		93.271			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		94.409			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		99.077			
Na	23					

Sample ID: QC Std 7
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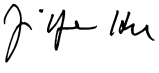

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 18:21:47

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103101401

Sample Date/Time: Monday, April 04, 2011 18:26:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 24
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20921.901	0.00				ug/L
|	Be	9	13.333	0.00	0.0635	0.008	12.276	ug/L
|	Al	27	115159.740	0.60	19.2570	0.385	1.998	ug/L
⌊>	Sc	45	187986.067	187986.07				ug/L
⌈	Ti	49	173.352	0.00	0.2530	0.073	28.901	ug/L
|	V	51	4292.156	0.00	0.1323	0.013	10.167	ug/L
|	Cr	52	13897.456	0.01	0.4999	0.008	1.665	ug/L
|	Cr	53	500.063	0.00	0.1994	0.047	23.633	ug/L
|	Mn	55	151753.638	0.43	12.6958	0.108	0.850	ug/L
|	Co	59	806.374	0.00	0.0477	0.006	12.803	ug/L
|	Ni	60	1553.136	0.00	0.6996	0.033	4.669	ug/L
|	Cu	65	7714.719	0.02	3.6378	0.048	1.329	ug/L
|	Zn	66	40424.617	0.11	32.4180	0.429	1.323	ug/L
|>	Ge	72	351199.522	351199.52				ug/L
|	As	75	-87.852	0.00	0.1680	0.018	10.568	ug/L
|	Se	77	102.001	0.00	0.1101	0.038	34.506	ug/L
|	Se	82	23.142	0.00	0.2860	0.154	53.916	ug/L
⌊	Rb	85	31863.669	0.09				mg/L
	Y	89	235896.735	-27168.07				ug/L
	Rh	103	19.000	2.33				ug/L
⌈	Mo	98	899.803	0.00	0.2512	0.013	5.364	ug/L
|	Ag	107	77.001	0.00	-0.0111	0.001	8.385	ug/L
|	Cd	114	50.172	0.00	0.0432	0.007	17.098	ug/L
|>	In	115	339791.717	339791.72				ug/L
|	Sn	118	2333.072	0.01	0.4780	0.006	1.253	ug/L
⌊	Sb	123	145.077	0.00	0.0140	0.006	39.676	ug/L
⌈	Ba	135	7102.926	0.02	4.2765	0.068	1.600	ug/L
|	Ce	140	380.045	0.00				ug/L
⌊>	Tb	159	401629.391	401629.39				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	26.667	-0.00	-0.0079	0.001	11.353	ug/L
|	Tl	205	60.006	-0.00	-0.0149	0.001	5.622	ug/L
|	Pb	206	1344.771	0.00	0.1423	0.002	1.224	ug/L
|	Pb	207	1128.408	0.00	0.1350	0.006	4.335	ug/L
|	Pb	208	5225.585	0.01	0.1355	0.004	2.632	ug/L
|	U	238	451.681	0.00	0.0034	0.001	16.860	ug/L
⌊>	Bi	209	424337.443	424337.44				ug/L

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Na	23	29350661.048	156.26	5.6147	0.253	4.513	mg/L	
Mg	24	4321689.966	23.02	1.2179	0.048	3.948	mg/L	
K	39	27305846.297	143.26	3.8075	0.148	3.898	mg/L	
Ca	43	111330.713	0.59	6.6423	0.295	4.440	mg/L	
Fe	54	281558.701	1.25	0.3882	0.016	4.219	mg/L	
Fe	57	104770.232	0.51	0.3803	0.014	3.581	mg/L	
> Sc-1	45	187986.067	187986.07				mg/L	
Cl	35	177672.135	151673.71				mg/L	
Kr	83	60.334	-10.00				mg/L	
Br	81	12865.607	2537.61				mg/L	
P	31	625777.944	616116.58				mg/L	
S	34	182974.082	29447.44				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.556			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.379			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.426			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		110.855			
Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103101401
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103101402

Sample Date/Time: Monday, April 04, 2011 18:33:46
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 25
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20654.762	0.01				ug/L
|	Be	9	8.000	0.00	0.0474	0.008	16.313	ug/L
|	Al	27	41202.096	0.22	7.0392	1.054	14.968	ug/L
⌊>	Sc	45	178547.609	178547.61				ug/L
⌈	Ti	49	1270.346	0.00	2.2144	3.636	164.199	ug/L
|	V	51	4193.057	0.00	0.1248	0.019	14.955	ug/L
|	Cr	52	19488.502	0.03	1.2510	0.029	2.295	ug/L
|	Cr	53	1393.570	0.00	1.1921	0.118	9.930	ug/L
|	Mn	55	149980.154	0.43	12.6442	0.080	0.636	ug/L
|	Co	59	686.697	0.00	0.0355	0.004	10.350	ug/L
|	Ni	60	2712.062	0.01	1.2973	0.015	1.153	ug/L
|	Cu	65	2974.806	0.01	1.3762	0.044	3.212	ug/L
|	Zn	66	23960.578	0.07	19.2634	0.101	0.527	ug/L
|>	Ge	72	348503.254	348503.25				ug/L
|	As	75	-176.274	0.00	0.0904	0.020	22.279	ug/L
|	Se	77	98.000	-0.00	0.0752	0.138	183.364	ug/L
|	Se	82	11.484	0.00	0.1848	0.048	25.757	ug/L
⌊	Rb	85	30800.670	0.09				mg/L
	Y	89	234193.782	-28871.02				ug/L
	Rh	103	19.334	2.67				ug/L
⌈	Mo	98	417.990	0.00	0.0886	0.009	10.497	ug/L
|	Ag	107	42.667	0.00	-0.0165	0.001	7.742	ug/L
|	Cd	114	8.316	0.00	0.0109	0.007	67.190	ug/L
|>	In	115	336181.018	336181.02				ug/L
|	Sn	118	974.047	0.00	0.1877	0.001	0.611	ug/L
⌊	Sb	123	79.658	0.00	-0.0017	0.003	189.557	ug/L
⌈	Ba	135	4972.953	0.01	3.0216	0.026	0.850	ug/L
|	Ce	140	93.343	0.00				ug/L
⌊>	Tb	159	397224.117	397224.12				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	23.334	-0.00	-0.0081	0.000	2.349	ug/L
|	Tl	205	83.342	0.00	-0.0134	0.000	2.568	ug/L
|	Pb	206	717.366	0.00	0.0592	0.006	9.306	ug/L
|	Pb	207	563.021	0.00	0.0546	0.001	1.610	ug/L
|	Pb	208	2748.844	0.00	0.0571	0.001	2.624	ug/L
|	U	238	237.339	0.00	-0.0009	0.000	35.723	ug/L
⌊>	Bi	209	387737.108	387737.11				ug/L

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⌈	Na	23	30889857.344	172.99	6.2158	0.061	0.975	mg/L
|	Mg	24	4086126.337	22.90	1.2120	0.049	4.031	mg/L
|	K	39	27129417.649	150.00	3.9868	0.260	6.519	mg/L
|	Ca	43	105163.937	0.59	6.6035	0.289	4.383	mg/L
|	Fe	54	176311.431	0.74	0.2277	0.015	6.383	mg/L
|	Fe	57	58107.706	0.28	0.2064	0.013	6.212	mg/L
⌊>	Sc-1	45	178547.609	178547.61				mg/L
	Cl	35	177114.833	151116.40				mg/L
	Kr	83	59.334	-11.00				mg/L
	Br	81	13605.252	3277.25				mg/L
	P	31	544997.106	535335.75				mg/L
	S	34	167117.303	13590.67				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
\>	Ge	72		92.838			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
\>	In	115		91.397			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.401			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.293			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103103601

Sample Date/Time: Monday, April 04, 2011 18:40:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 26
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22759.221	0.01				ug/L
|	Be	9	50.667	0.00	0.1817	0.033	18.129	ug/L
|	Al	27	8571236.461	44.26	1417.6309	10.372	0.732	ug/L
⌊>	Sc	45	193640.913	193640.91				ug/L
⌈	Ti	49	16802.462	0.05	30.7625	1.135	3.691	ug/L
|	V	51	32150.558	0.09	3.3253	0.104	3.115	ug/L
|	Cr	52	38481.974	0.09	3.8861	0.164	4.207	ug/L
|	Cr	53	3307.544	0.01	3.4040	0.037	1.083	ug/L
|	Mn	55	1226413.920	3.61	106.5125	1.523	1.430	ug/L
|	Co	59	14244.618	0.04	1.5296	0.050	3.258	ug/L
|	Ni	60	8169.084	0.02	4.1897	0.037	0.881	ug/L
|	Cu	65	12071.069	0.04	5.9213	0.083	1.400	ug/L
|	Zn	66	40260.287	0.12	33.3799	0.598	1.791	ug/L
|>	Ge	72	339791.503	339791.50				ug/L
|	As	75	477.956	0.00	0.6713	0.036	5.340	ug/L
|	Se	77	112.001	0.00	0.2618	0.195	74.420	ug/L
|	Se	82	49.253	0.00	0.5298	0.102	19.198	ug/L
⌊	Rb	85	38870.128	0.11				mg/L
	Y	89	241170.780	-21894.02				ug/L
	Rh	103	32.334	15.67				ug/L
⌈	Mo	98	480.587	0.00	0.1145	0.006	5.512	ug/L
|	Ag	107	93.001	0.00	-0.0080	0.000	0.908	ug/L
|	Cd	114	53.336	0.00	0.0471	0.007	14.889	ug/L
|>	In	115	327647.432	327647.43				ug/L
|	Sn	118	1038.054	0.00	0.2075	0.006	2.854	ug/L
⌊	Sb	123	408.294	0.00	0.0820	0.002	2.661	ug/L
⌈	Ba	135	34861.011	0.09	21.2241	0.227	1.070	ug/L
|	Ce	140	93645.789	0.23				ug/L
⌊>	Tb	159	398628.946	398628.95				ug/L
⌈	Ho	165	1416.909	0.00				ug/L
|	Tl	203	234.005	0.00	0.0213	0.002	11.276	ug/L
|	Tl	205	506.731	0.00	0.0109	0.007	65.455	ug/L
|	Pb	206	12072.405	0.03	2.0102	0.041	2.021	ug/L
|	Pb	207	10144.244	0.03	1.7947	0.028	1.543	ug/L
|	Pb	208	47852.394	0.13	1.9031	0.023	1.211	ug/L
|	U	238	12807.325	0.03	0.3226	0.002	0.482	ug/L
⌊>	Bi	209	367619.705	367619.70				ug/L

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Na	23	65145270.768	336.43	12.0910	0.259	2.142	mg/L	
Mg	24	26166143.732	135.17	7.1674	0.143	2.001	mg/L	
K	39	5509223.622	26.30	0.6934	0.023	3.265	mg/L	
Ca	43	178391.467	0.92	10.3336	0.283	2.737	mg/L	
Fe	54	1948773.530	9.82	3.0810	0.104	3.385	mg/L	
Fe	57	798116.235	4.07	3.0532	0.123	4.021	mg/L	
> Sc-1	45	193640.913	193640.91				mg/L	
Cl	35	36992.967	10994.54				mg/L	
Kr	83	47.667	-22.67				mg/L	
Br	81	15830.533	5502.53				mg/L	
P	31	48014.414	38353.05				mg/L	
S	34	412386.634	258860.00				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		90.517			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.077			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		92.728			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.038			
Na	23					

Sample ID: L1103103601
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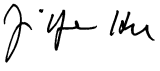

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103103602

Sample Date/Time: Monday, April 04, 2011 18:47:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 27
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21840.512	-0.00				ug/L
|	Be	9	44.667	0.00	0.1569	0.022	13.891	ug/L
|	Al	27	7272635.908	36.09	1156.0771	54.163	4.685	ug/L
|>	Sc	45	201786.451	201786.45				ug/L
⌈	Ti	49	12081.852	0.04	21.9567	1.425	6.489	ug/L
|	V	51	28499.423	0.08	2.8862	0.083	2.886	ug/L
|	Cr	52	29993.229	0.06	2.7096	0.097	3.569	ug/L
|	Cr	53	2290.492	0.01	2.2320	0.107	4.815	ug/L
|	Mn	55	506495.207	1.48	43.6505	0.755	1.729	ug/L
|	Co	59	29000.616	0.08	3.1315	0.043	1.374	ug/L
|	Ni	60	7540.251	0.02	3.8333	0.052	1.351	ug/L
|	Cu	65	17106.126	0.05	8.3579	0.103	1.238	ug/L
|	Zn	66	35666.180	0.10	29.3366	0.188	0.642	ug/L
|>	Ge	72	342127.262	342127.26				ug/L
|	As	75	2697.002	0.01	2.6383	0.109	4.150	ug/L
|	Se	77	142.001	0.00	0.5882	0.220	37.365	ug/L
|	Se	82	83.828	0.00	0.8367	0.325	38.898	ug/L
⌊	Rb	85	37533.684	0.11				mg/L
	Y	89	241488.290	-21576.51				ug/L
	Rh	103	139.669	123.00				ug/L
⌈	Mo	98	7810.251	0.02	2.7237	0.022	0.821	ug/L
|	Ag	107	129.335	0.00	-0.0018	0.002	138.817	ug/L
|	Cd	114	78.888	0.00	0.0681	0.019	27.629	ug/L
|>	In	115	325437.243	325437.24				ug/L
|	Sn	118	1360.893	0.00	0.2817	0.008	2.663	ug/L
⌊	Sb	123	562.180	0.00	0.1220	0.002	1.841	ug/L
⌈	Ba	135	200754.210	0.51	123.2547	2.330	1.890	ug/L
|	Ce	140	133326.411	0.34				ug/L
|>	Tb	159	395637.649	395637.65				ug/L
⌈	Ho	165	1000.150	0.00				ug/L
|	Tl	203	223.338	0.00	0.0208	0.001	3.911	ug/L
|	Tl	205	580.075	0.00	0.0160	0.004	24.682	ug/L
|	Pb	206	18980.519	0.05	3.2948	0.034	1.022	ug/L
|	Pb	207	15836.355	0.04	2.9146	0.023	0.798	ug/L
|	Pb	208	74862.636	0.21	3.1002	0.023	0.729	ug/L
|	U	238	26081.230	0.07	0.6850	0.008	1.189	ug/L
|>	Bi	209	356466.112	356466.11				ug/L

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⌈	Na	23	132896709.726	660.24	23.7305	1.614	6.801	mg/L
|	Mg	24	19093070.578	94.85	5.0284	0.330	6.557	mg/L
|	K	39	7057877.802	32.90	0.8690	0.055	6.359	mg/L
|	Ca	43	220541.784	1.09	12.2734	0.461	3.757	mg/L
|	Fe	54	1395938.201	6.69	2.0964	0.149	7.084	mg/L
|	Fe	57	548765.651	2.68	2.0055	0.132	6.582	mg/L
⌊>	Sc-1	45	201786.451	201786.45				mg/L
	Cl	35	78056.792	52058.36				mg/L
	Kr	83	58.334	-12.00				mg/L
	Br	81	39602.283	29274.28				mg/L
	P	31	43365.906	33704.55				mg/L
	S	34	213321.992	59795.35				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.139			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.476			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.032			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.124			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103103603

Sample Date/Time: Monday, April 04, 2011 18:55:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 28
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21790.395	0.01				ug/L
|	Be	9	12.667	0.00	0.0610	0.016	25.498	ug/L
|	Al	27	1933801.013	10.27	328.8192	11.472	3.489	ug/L
⌊>	Sc	45	188222.209	188222.21				ug/L
⌈	Ti	49	4671.561	0.01	8.4410	0.608	7.206	ug/L
|	V	51	10327.688	0.02	0.8263	0.028	3.406	ug/L
|	Cr	52	20870.299	0.03	1.4794	0.017	1.149	ug/L
|	Cr	53	1280.210	0.00	1.0907	0.090	8.227	ug/L
|	Mn	55	169702.185	0.49	14.5571	0.128	0.881	ug/L
|	Co	59	4918.259	0.01	0.4985	0.014	2.720	ug/L
|	Ni	60	4418.020	0.01	2.2062	0.056	2.517	ug/L
|	Cu	65	4675.140	0.01	2.2354	0.030	1.353	ug/L
|	Zn	66	31510.549	0.09	25.8444	0.353	1.367	ug/L
|>	Ge	72	342746.571	342746.57				ug/L
|	As	75	4.084	0.00	0.2477	0.072	29.068	ug/L
|	Se	77	242.003	0.00	1.7077	0.166	9.743	ug/L
|	Se	82	181.810	0.00	1.7166	0.152	8.841	ug/L
⌊	Rb	85	12706.863	0.04				mg/L
	Y	89	231133.560	-31931.24				ug/L
	Rh	103	89.001	72.33				ug/L
⌈	Mo	98	309.021	0.00	0.0534	0.007	12.805	ug/L
|	Ag	107	55.001	0.00	-0.0143	0.001	4.529	ug/L
|	Cd	114	44.522	0.00	0.0399	0.007	16.982	ug/L
|>	In	115	328831.606	328831.61				ug/L
|	Sn	118	671.756	0.00	0.1252	0.005	3.630	ug/L
⌊	Sb	123	456.588	0.00	0.0938	0.005	5.614	ug/L
⌈	Ba	135	53434.923	0.13	32.2047	0.316	0.980	ug/L
|	Ce	140	21859.388	0.05				ug/L
⌊>	Tb	159	402814.908	402814.91				ug/L
⌈	Ho	165	350.041	0.00				ug/L
|	Tl	203	83.335	0.00	0.0003	0.001	364.581	ug/L
|	Tl	205	176.686	0.00	-0.0080	0.002	31.268	ug/L
|	Pb	206	3979.165	0.01	0.6165	0.022	3.556	ug/L
|	Pb	207	3394.610	0.01	0.5656	0.012	2.152	ug/L
|	Pb	208	15892.488	0.04	0.5918	0.014	2.311	ug/L
|	U	238	1574.140	0.00	0.0333	0.002	6.235	ug/L
⌊>	Bi	209	371820.060	371820.06				ug/L

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Na	23	43355305.292	230.35	8.2777	0.137	1.651	mg/L	
Mg	24	11320505.538	60.16	3.1885	0.066	2.083	mg/L	
K	39	3838128.156	18.24	0.4787	0.011	2.201	mg/L	
Ca	43	124188.757	0.66	7.3952	0.176	2.376	mg/L	
Fe	54	499331.519	2.41	0.7511	0.024	3.186	mg/L	
Fe	57	176450.751	0.89	0.6653	0.025	3.715	mg/L	
> Sc-1	45	188222.209	188222.21				mg/L	
Cl	35	45893.748	19895.32				mg/L	
Kr	83	60.667	-9.67				mg/L	
Br	81	17471.918	7143.92				mg/L	
P	31	24140.530	14479.17				mg/L	
S	34	351745.799	198219.16				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.304			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.399			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.701			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.135			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1103103603
Report Date/Time: Monday, April 04, 2011 18:57:16

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104101

Sample Date/Time: Monday, April 04, 2011 19:02:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 29
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22508.667	0.01				ug/L
|	Be	9	11.333	0.00	0.0574	0.008	14.087	ug/L
|	Al	27	1192704.708	6.43	205.8270	16.465	7.999	ug/L
⌊>	Sc	45	185556.619	185556.62				ug/L
⌈	Ti	49	6723.038	0.02	12.3873	3.207	25.889	ug/L
|	V	51	9325.721	0.02	0.7332	0.017	2.362	ug/L
|	Cr	52	20130.777	0.03	1.4324	0.033	2.307	ug/L
|	Cr	53	2233.808	0.01	2.2117	0.231	10.460	ug/L
|	Mn	55	229577.073	0.68	20.0964	0.303	1.506	ug/L
|	Co	59	2821.093	0.01	0.2755	0.006	2.297	ug/L
|	Ni	60	2347.299	0.01	1.1547	0.039	3.399	ug/L
|	Cu	65	1051.399	0.00	0.4652	0.020	4.237	ug/L
|	Zn	66	3215.216	0.01	2.4663	0.049	1.975	ug/L
|>	Ge	72	336273.019	336273.02				ug/L
|	As	75	-28.189	0.00	0.2184	0.016	7.262	ug/L
|	Se	77	165.335	0.00	0.8825	0.115	12.975	ug/L
|	Se	82	21.229	0.00	0.2782	0.117	42.079	ug/L
⌊	Rb	85	5921.145	0.02				mg/L
	Y	89	224852.529	-38212.27				ug/L
	Rh	103	45.667	29.00				ug/L
⌈	Mo	98	115.577	0.00	-0.0139	0.005	37.205	ug/L
|	Ag	107	48.667	0.00	-0.0152	0.002	10.859	ug/L
|	Cd	114	19.569	0.00	0.0203	0.004	18.667	ug/L
|>	In	115	322624.489	322624.49				ug/L
|	Sn	118	232.269	0.00	0.0285	0.002	8.479	ug/L
⌊	Sb	123	147.578	0.00	0.0165	0.002	11.914	ug/L
⌈	Ba	135	9663.097	0.02	5.9555	0.093	1.560	ug/L
|	Ce	140	29386.095	0.07				ug/L
⌊>	Tb	159	392852.249	392852.25				ug/L
⌈	Ho	165	510.064	0.00				ug/L
|	Tl	203	51.001	0.00	-0.0039	0.001	34.542	ug/L
|	Tl	205	96.677	0.00	-0.0123	0.001	11.572	ug/L
|	Pb	206	1741.502	0.00	0.2473	0.003	1.075	ug/L
|	Pb	207	1521.464	0.00	0.2392	0.003	1.431	ug/L
|	Pb	208	6970.024	0.02	0.2411	0.000	0.136	ug/L
|	U	238	2885.779	0.01	0.0690	0.002	2.990	ug/L
⌊>	Bi	209	360065.919	360065.92				ug/L

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⌈	Na	23	318806351.920	1718.46	61.7695	1.196	1.936	mg/L
|	Mg	24	27376456.449	147.57	7.8254	0.154	1.963	mg/L
|	K	39	4198840.821	20.49	0.5387	0.031	5.763	mg/L
|	Ca	43	410944.316	2.21	24.8706	0.794	3.194	mg/L
|	Fe	54	314434.173	1.45	0.4499	0.020	4.435	mg/L
|	Fe	57	112113.583	0.56	0.4155	0.027	6.548	mg/L
⌊>	Sc-1	45	185556.619	185556.62				mg/L
	Cl	35	1606013.048	1580014.62				mg/L
	Kr	83	50.334	-20.00				mg/L
	Br	81	23379.329	13051.33				mg/L
	P	31	26491.131	16829.77				mg/L
	S	34	256570.588	103043.95				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		89.580			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.711			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.384			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.064			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103104103

Sample Date/Time: Monday, April 04, 2011 19:09:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 30
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23277.095	0.02				ug/L
|	Be	9	6.000	-0.00	0.0395	0.006	16.239	ug/L
|	Al	27	22040.932	0.11	3.4671	0.185	5.331	ug/L
⌊>	Sc	45	183995.427	183995.43				ug/L
⌈	Ti	49	53.339	0.00	0.0410	0.028	68.293	ug/L
|	V	51	3720.865	0.00	0.0735	0.006	8.021	ug/L
|	Cr	52	12623.756	0.01	0.3507	0.029	8.406	ug/L
|	Cr	53	520.066	0.00	0.2273	0.018	8.118	ug/L
|	Mn	55	1333.769	0.00	0.0507	0.002	3.807	ug/L
|	Co	59	114.335	0.00	-0.0259	0.001	2.722	ug/L
|	Ni	60	154.003	0.00	-0.0082	0.007	83.490	ug/L
|	Cu	65	230.672	0.00	0.0504	0.002	3.132	ug/L
|	Zn	66	2444.323	0.01	1.7487	0.029	1.640	ug/L
|>	Ge	72	347563.160	347563.16				ug/L
|	As	75	-161.645	0.00	0.1029	0.062	59.989	ug/L
|	Se	77	100.667	0.00	0.1074	0.056	51.944	ug/L
|	Se	82	11.887	0.00	0.1895	0.214	112.857	ug/L
⌊	Rb	85	204.004	0.00				mg/L
	Y	89	229966.926	-33097.88				ug/L
	Rh	103	13.000	-3.67				ug/L
⌈	Mo	98	33.461	0.00	-0.0440	0.002	4.183	ug/L
|	Ag	107	25.334	-0.00	-0.0194	0.001	3.848	ug/L
|	Cd	114	7.725	0.00	0.0104	0.002	22.196	ug/L
|>	In	115	339195.329	339195.33				ug/L
|	Sn	118	202.402	0.00	0.0195	0.001	4.597	ug/L
⌊	Sb	123	69.619	0.00	-0.0044	0.001	30.788	ug/L
⌈	Ba	135	146.669	0.00	0.0670	0.004	5.671	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	411090.641	411090.64				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	22.667	-0.00	-0.0082	0.000	3.053	ug/L
|	Tl	205	20.002	-0.00	-0.0168	0.001	5.467	ug/L
|	Pb	206	359.010	0.00	0.0002	0.002	1284.424	ug/L
|	Pb	207	306.341	0.00	0.0097	0.002	23.850	ug/L
|	Pb	208	1413.720	0.00	0.0046	0.000	8.388	ug/L
|	U	238	38.334	0.00	-0.0058	0.000	1.742	ug/L
⌊>	Bi	209	393884.508	393884.51				ug/L

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⌈	Na	23	1574041.490	8.51	0.3035	0.016	5.230	mg/L
|	Mg	24	10049.386	0.05	-0.0001	0.000	161.756	mg/L
|	K	39	400437.436	0.02	-0.0064	0.001	22.723	mg/L
|	Ca	43	636.751	0.00	0.0209	0.005	22.890	mg/L
|	Fe	54	96675.451	0.28	0.0824	0.009	11.442	mg/L
|	Fe	57	8090.752	-0.01	-0.0047	0.001	27.021	mg/L
⌊>	Sc-1	45	183995.427	183995.43				mg/L
	Cl	35	19111.581	-6886.85				mg/L
	Kr	83	51.334	-19.00				mg/L
	Br	81	10951.328	623.33				mg/L
	P	31	20833.858	11172.50				mg/L
	S	34	166074.481	12547.84				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.587			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.217			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.626			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.899			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1104003436

Sample Date/Time: Monday, April 04, 2011 19:16:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 31
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22775.980	0.02				ug/L
|	Be	9	6.667	-0.00	0.0425	0.018	41.343	ug/L
|	Al	27	16213.158	0.08	2.4896	0.121	4.852	ug/L
⌊>	Sc	45	181313.454	181313.45				ug/L
⌈	Ti	49	63.340	0.00	0.0617	0.070	113.177	ug/L
|	V	51	3308.622	0.00	0.0360	0.012	33.865	ug/L
|	Cr	52	12529.304	0.01	0.3758	0.037	9.770	ug/L
|	Cr	53	463.391	0.00	0.1762	0.147	83.593	ug/L
|	Mn	55	3075.837	0.01	0.2047	0.008	3.816	ug/L
|	Co	59	113.335	0.00	-0.0257	0.001	4.793	ug/L
|	Ni	60	364.344	0.00	0.1036	0.010	9.607	ug/L
|	Cu	65	204.004	0.00	0.0397	0.009	22.125	ug/L
|	Zn	66	3800.760	0.01	2.9269	0.038	1.309	ug/L
|>	Ge	72	339855.236	339855.24				ug/L
|	As	75	-215.499	-0.00	0.0513	0.028	55.375	ug/L
|	Se	77	90.000	-0.00	0.0134	0.173	1290.769	ug/L
|	Se	82	9.180	0.00	0.1660	0.050	30.088	ug/L
⌊	Rb	85	46.001	0.00				mg/L
	Y	89	229214.547	-33850.25				ug/L
	Rh	103	10.000	-6.67				ug/L
⌈	Mo	98	35.347	0.00	-0.0431	0.002	4.765	ug/L
|	Ag	107	33.667	0.00	-0.0179	0.001	5.247	ug/L
|	Cd	114	2.856	0.00	0.0067	0.007	100.312	ug/L
|>	In	115	331385.055	331385.05				ug/L
|	Sn	118	142.801	0.00	0.0073	0.001	14.417	ug/L
⌊	Sb	123	49.868	0.00	-0.0089	0.001	12.394	ug/L
⌈	Ba	135	162.003	0.00	0.0795	0.013	16.665	ug/L
|	Ce	140	120.013	0.00				ug/L
⌊>	Tb	159	396958.493	396958.49				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	26.000	-0.00	-0.0076	0.001	6.968	ug/L
|	Tl	205	46.671	-0.00	-0.0153	0.002	10.733	ug/L
|	Pb	206	432.014	0.00	0.0152	0.003	22.888	ug/L
|	Pb	207	374.011	0.00	0.0242	0.005	20.871	ug/L
|	Pb	208	1763.413	0.00	0.0212	0.003	15.965	ug/L
|	U	238	57.667	0.00	-0.0053	0.000	3.050	ug/L
⌊>	Bi	209	375944.542	375944.54				ug/L

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Na	23	110201.698	0.55	0.0175	0.000	2.626	mg/L
Mg	24	20493.028	0.11	0.0030	0.000	9.703	mg/L
K	39	374217.360	-0.09	-0.0094	0.001	13.518	mg/L
Ca	43	453.389	0.00	0.0101	0.002	17.992	mg/L
Fe	54	106155.014	0.34	0.1013	0.011	11.091	mg/L
Fe	57	10456.520	0.01	0.0056	0.002	33.650	mg/L
Sc-1	45	181313.454	181313.45				mg/L
Cl	35	18189.868	-7808.56				mg/L
Kr	83	56.001	-14.33				mg/L
Br	81	10918.627	590.63				mg/L
P	31	22538.195	12876.84				mg/L
S	34	167256.426	13729.79				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		90.534			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		90.093			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		92.339			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		98.213			
Na	23					

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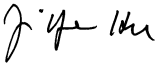

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1104003438

Sample Date/Time: Monday, April 04, 2011 19:23:33
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 32
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22976.368	0.02				ug/L
|	Be	9	15.333	0.00	0.0719	0.036	49.469	ug/L
|	Al	27	12257.612	0.06	1.7857	0.348	19.489	ug/L
⌊>	Sc	45	182076.260	182076.26				ug/L
⌈	Ti	49	53.339	0.00	0.0418	0.091	217.952	ug/L
|	V	51	3382.884	0.00	0.0389	0.009	24.096	ug/L
|	Cr	52	12775.617	0.01	0.3844	0.016	4.081	ug/L
|	Cr	53	593.411	0.00	0.3138	0.176	56.088	ug/L
|	Mn	55	1115.073	0.00	0.0329	0.002	4.890	ug/L
|	Co	59	101.335	-0.00	-0.0272	0.000	1.038	ug/L
|	Ni	60	162.670	0.00	-0.0030	0.003	83.174	ug/L
|	Cu	65	208.671	0.00	0.0405	0.011	27.928	ug/L
|	Zn	66	1780.176	0.00	1.2184	0.015	1.264	ug/L
|>	Ge	72	344755.560	344755.56				ug/L
|	As	75	-214.341	-0.00	0.0552	0.028	50.590	ug/L
|	Se	77	77.334	-0.00	-0.1439	0.075	52.157	ug/L
|	Se	82	2.148	-0.00	0.1027	0.139	135.116	ug/L
⌊	Rb	85	59.001	0.00				mg/L
	Y	89	229390.827	-33673.97				ug/L
	Rh	103	10.667	-6.00				ug/L
⌈	Mo	98	32.758	0.00	-0.0442	0.002	3.423	ug/L
|	Ag	107	32.667	0.00	-0.0182	0.001	4.421	ug/L
|	Cd	114	-0.617	-0.00	0.0039	0.003	65.614	ug/L
|>	In	115	337763.175	337763.18				ug/L
|	Sn	118	103.867	-0.00	-0.0017	0.001	40.751	ug/L
⌊	Sb	123	45.241	0.00	-0.0103	0.001	10.493	ug/L
⌈	Ba	135	127.002	0.00	0.0565	0.006	10.170	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	405073.171	405073.17				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	14.000	-0.00	-0.0093	0.000	2.789	ug/L
|	Tl	205	30.003	-0.00	-0.0162	0.000	0.072	ug/L
|	Pb	206	367.010	0.00	0.0030	0.003	99.812	ug/L
|	Pb	207	292.341	0.00	0.0087	0.002	27.513	ug/L
|	Pb	208	1385.385	0.00	0.0049	0.001	30.220	ug/L
|	U	238	23.334	0.00	-0.0061	0.000	2.638	ug/L
⌊>	Bi	209	383734.679	383734.68				ug/L

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⌈	Na	23	101327.552	0.50	0.0156	0.000	3.072	mg/L
|	Mg	24	17079.617	0.09	0.0020	0.000	0.909	mg/L
|	K	39	374486.962	-0.10	-0.0096	0.001	14.425	mg/L
|	Ca	43	413.383	0.00	0.0075	0.001	11.882	mg/L
|	Fe	54	94405.834	0.27	0.0801	0.004	4.644	mg/L
|	Fe	57	7530.255	-0.01	-0.0066	0.001	13.756	mg/L
⌊>	Sc-1	45	182076.260	182076.26				mg/L
	Cl	35	16379.407	-9619.02				mg/L
	Kr	83	59.667	-10.67				mg/L
	Br	81	12190.762	1862.76				mg/L
	P	31	19032.766	9371.41				mg/L
	S	34	162590.795	9064.16				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.840			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.827			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		94.227			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.248			
⌈	Na	23					

Sample ID: L1104003438
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104003438
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 19:30:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22057.760	0.02				ug/L
|	Be	9	15087.373	0.09	54.1315	2.165	3.999	ug/L
|	Al	27	283087.145	1.62	51.8337	0.194	0.374	ug/L
⌊>	Sc	45	173696.734	173696.73				ug/L
⌈	Ti	49	53394.226	0.15	96.1852	2.606	2.710	ug/L
|	V	51	438100.353	1.26	48.7533	0.771	1.581	ug/L
|	Cr	52	383046.301	1.08	49.5843	0.514	1.037	ug/L
|	Cr	53	43348.093	0.12	48.0003	0.811	1.689	ug/L
|	Mn	55	585420.102	1.69	49.9300	0.272	0.545	ug/L
|	Co	59	469033.218	1.36	50.6871	0.144	0.284	ug/L
|	Ni	60	99393.235	0.29	51.0486	0.748	1.466	ug/L
|	Cu	65	107505.208	0.31	52.3004	0.615	1.176	ug/L
|	Zn	66	65281.382	0.19	53.3351	0.611	1.145	ug/L
|>	Ge	72	345743.825	345743.83				ug/L
|	As	75	54670.036	0.16	48.2779	0.185	0.382	ug/L
|	Se	77	4635.075	0.01	50.4794	1.847	3.658	ug/L
|	Se	82	5411.042	0.02	48.2763	0.132	0.273	ug/L
⌊	Rb	85	2078.237	0.01				mg/L
	Y	89	229581.766	-33483.03				ug/L
	Rh	103	32.000	15.33				ug/L
⌈	Mo	98	281218.662	0.84	97.5909	0.481	0.493	ug/L
|	Ag	107	300133.881	0.90	48.9783	0.706	1.441	ug/L
|	Cd	114	62369.616	0.19	49.0825	0.500	1.019	ug/L
|>	In	115	333491.421	333491.42				ug/L
|	Sn	118	227722.867	0.68	49.9266	0.598	1.197	ug/L
⌊	Sb	123	195934.297	0.59	48.7478	0.685	1.405	ug/L
⌈	Ba	135	80692.396	0.20	49.4972	0.626	1.264	ug/L
|	Ce	140	36.670	0.00				ug/L
⌊>	Tb	159	395892.739	395892.74				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	354511.946	0.96	49.0298	0.118	0.241	ug/L
|	Tl	205	875407.359	2.38	49.3712	0.608	1.231	ug/L
|	Pb	206	287015.178	0.78	48.9851	0.792	1.618	ug/L
|	Pb	207	272489.721	0.74	49.1831	0.808	1.642	ug/L
|	Pb	208	1209811.212	3.28	49.1957	0.511	1.038	ug/L
|	U	238	2083977.319	5.66	53.4625	0.554	1.036	ug/L
⌊>	Bi	209	368437.694	368437.69				ug/L

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Na	23	23851161.180	137.40	4.9367	0.225	4.553	mg/L	
Mg	24	16524502.379	95.22	5.0482	0.196	3.874	mg/L	
K	39	32898478.319	187.41	4.9829	0.184	3.689	mg/L	
Ca	43	79280.940	0.46	5.1126	0.182	3.565	mg/L	
Fe	54	2789613.911	15.83	4.9677	0.185	3.719	mg/L	
Fe	57	1170299.112	6.70	5.0171	0.229	4.568	mg/L	
Sc-1	45	173696.734	173696.73				mg/L	
Cl	35	13827.557	-12170.87				mg/L	
Kr	83	58.334	-12.00				mg/L	
Br	81	9844.844	-483.16				mg/L	
P	31	10589.617	928.26				mg/L	
S	34	156116.008	2589.37				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	97.507				
Cr	52	99.169				
Cr	53					
Mn	55	99.860				
Co	59	101.374				
Ni	60	102.097				
Cu	65	104.601				
Zn	66	106.670				
Ge	72		92.103			
As	75	96.556				
Se	77					
Se	82	96.553				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.957				
Cd	114	98.165				
In	115		90.666			
Sn	118					
Sb	123	97.496				
Ba	135	98.994				
Ce	140					
Tb	159		92.091			
Ho	165					
Tl	203	98.060				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.391				
U	238	106.925				
Bi	209		96.252			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 19:32:53

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 19:37:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22157.890	0.01				ug/L
|	Be	9	10.000	0.00	0.0542	0.013	24.340	ug/L
|	Al	27	1950.192	-0.00	-0.0259	0.054	207.381	ug/L
⌊>	Sc	45	179582.426	179582.43				ug/L
⌈	Ti	49	30.003	-0.00	-0.0007	0.031	4454.338	ug/L
|	V	51	3017.740	0.00	-0.0026	0.006	234.405	ug/L
|	Cr	52	9780.212	0.00	-0.0165	0.023	140.165	ug/L
|	Cr	53	280.032	-0.00	-0.0367	0.042	113.952	ug/L
|	Mn	55	289.674	-0.00	-0.0378	0.002	4.470	ug/L
|	Co	59	93.001	-0.00	-0.0281	0.002	8.639	ug/L
|	Ni	60	43.001	-0.00	-0.0648	0.005	7.611	ug/L
|	Cu	65	90.001	0.00	-0.0175	0.004	23.596	ug/L
|	Zn	66	173.003	0.00	-0.1046	0.009	8.232	ug/L
|>	Ge	72	345207.108	345207.11				ug/L
|	As	75	-210.764	-0.00	0.0584	0.057	98.374	ug/L
|	Se	77	80.667	-0.00	-0.1082	0.139	128.704	ug/L
|	Se	82	3.519	-0.00	0.1145	0.065	56.414	ug/L
⌊	Rb	85	18.334	-0.00				mg/L
	Y	89	227644.854	-35419.95				ug/L
	Rh	103	11.333	-5.33				ug/L
⌈	Mo	98	369.431	0.00	0.0741	0.026	34.613	ug/L
|	Ag	107	44.001	0.00	-0.0162	0.002	10.808	ug/L
|	Cd	114	9.928	0.00	0.0124	0.007	57.829	ug/L
|>	In	115	330545.683	330545.68				ug/L
|	Sn	118	277.737	0.00	0.0373	0.006	16.519	ug/L
⌊	Sb	123	52.325	0.00	-0.0082	0.004	46.087	ug/L
⌈	Ba	135	18.334	-0.00	-0.0084	0.002	23.616	ug/L
|	Ce	140	23.336	0.00				ug/L
⌊>	Tb	159	395374.153	395374.15				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	48.001	0.00	-0.0047	0.001	28.418	ug/L
|	Tl	205	123.347	0.00	-0.0111	0.003	30.034	ug/L
|	Pb	206	304.341	-0.00	-0.0068	0.003	48.424	ug/L
|	Pb	207	265.006	-0.00	0.0044	0.003	69.833	ug/L
|	Pb	208	1290.380	-0.00	0.0017	0.002	132.904	ug/L
|	U	238	181.670	0.00	-0.0022	0.001	63.391	ug/L
⌊>	Bi	209	379774.810	379774.81				ug/L

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Na	23	12502.411	0.01	-0.0019	0.000	5.245	mg/L	
Mg	24	1156.853	0.01	-0.0027	0.000	3.478	mg/L	
K	39	367578.142	-0.11	-0.0098	0.002	22.508	mg/L	
Ca	43	200.022	-0.00	-0.0056	0.004	72.940	mg/L	
Fe	54	47017.076	0.01	-0.0005	0.006	1285.411	mg/L	
Fe	57	7199.981	-0.01	-0.0076	0.001	10.190	mg/L	
Sc-1	45	179582.426	179582.43				mg/L	
Cl	35	13326.209	-12672.22				mg/L	
Kr	83	55.334	-15.00				mg/L	
Br	81	9903.570	-424.43				mg/L	
P	31	9203.599	-457.76				mg/L	
S	34	156295.295	2768.66				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		91.960			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		89.865			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		91.971			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		99.213			
Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Monday, April 04, 2011 19:44:54
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	21022.120	0.01				ug/L
|	Be	9	12.000	0.00	0.0620	0.024	39.116	ug/L
|	Al	27	3417.263	0.01	0.2510	0.095	37.660	ug/L
⌊>	Sc	45	174887.853	174887.85				ug/L
⌜	Ti	49	83.342	0.00	0.0946	0.011	11.424	ug/L
|	V	51	6637.267	0.01	0.3986	0.033	8.187	ug/L
|	Cr	52	16023.991	0.02	0.7998	0.059	7.325	ug/L
|	Cr	53	996.816	0.00	0.7561	0.016	2.122	ug/L
|	Mn	55	6376.430	0.02	0.4791	0.018	3.830	ug/L
|	Co	59	3990.503	0.01	0.3911	0.015	3.788	ug/L
|	Ni	60	3370.268	0.01	1.6376	0.031	1.891	ug/L
|	Cu	65	1832.520	0.01	0.8264	0.022	2.699	ug/L
|	Zn	66	8363.581	0.02	6.5799	0.160	2.426	ug/L
|>	Ge	72	347663.247	347663.25				ug/L
|	As	75	244.410	0.00	0.4575	0.058	12.769	ug/L
|	Se	77	126.001	0.00	0.3854	0.202	52.452	ug/L
|	Se	82	50.160	0.00	0.5276	0.058	10.949	ug/L
⌊	Rb	85	21.000	0.00				mg/L
	Y	89	231304.093	-31760.71				ug/L
	Rh	103	9.667	-7.00				ug/L
⌜	Mo	98	150.235	0.00	-0.0030	0.003	107.970	ug/L
|	Ag	107	2530.346	0.01	0.3919	0.016	4.032	ug/L
|	Cd	114	271.774	0.00	0.2194	0.010	4.407	ug/L
|>	In	115	331699.381	331699.38				ug/L
|	Sn	118	199.869	0.00	0.0199	0.002	11.576	ug/L
⌊	Sb	123	1698.609	0.01	0.4036	0.008	1.870	ug/L
⌜	Ba	135	1226.087	0.00	0.7414	0.018	2.456	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	391282.523	391282.52				ug/L
⌜	Ho	165	13.335	0.00				ug/L
|	Tl	203	620.025	0.00	0.0732	0.004	5.240	ug/L
|	Tl	205	1576.949	0.00	0.0696	0.003	4.007	ug/L
|	Pb	206	2698.058	0.01	0.3960	0.011	2.750	ug/L
|	Pb	207	2537.014	0.01	0.4085	0.005	1.242	ug/L
|	Pb	208	11238.600	0.03	0.4005	0.007	1.834	ug/L
|	U	238	16873.059	0.04	0.4189	0.005	1.203	ug/L
⌊>	Bi	209	374741.635	374741.63				ug/L

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Na	23	10156.177	0.00	-0.0023	0.000	3.474	mg/L
Mg	24	383.379	0.00	-0.0029	0.000	0.991	mg/L
K	39	379200.112	0.02	-0.0065	0.004	58.496	mg/L
Ca	43	210.023	-0.00	-0.0043	0.004	83.685	mg/L
Fe	54	43672.597	0.00	-0.0042	0.005	124.515	mg/L
Fe	57	7363.448	-0.01	-0.0059	0.003	53.769	mg/L
Sc-1	45	174887.853	174887.85				mg/L
Cl	35	14509.187	-11489.24				mg/L
Kr	83	58.334	-12.00				mg/L
Br	81	10187.188	-140.81				mg/L
P	31	9275.634	-385.73				mg/L
S	34	156511.505	2984.87				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	99.662				
Cr	52	99.981				
Cr	53					
Mn	55	95.818				
Co	59	97.778				
Ni	60	102.353				
Cu	65	103.297				
Zn	66	105.279				
Ge	72		92.614			
As	75	114.363				
Se	77					
Se	82	131.897				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.970				
Cd	114	109.713				
In	115		90.179			
Sn	118					
Sb	123	100.906				
Ba	135	98.854				
Ce	140					
Tb	159		91.019			
Ho	165					
Tl	203	91.515				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.136				
U	238	104.736				
Bi	209		97.898			
Na	23					

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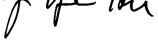

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 8	Se	82	LLCCV IS OUT OF LIMITS (+/-20%)

Sample ID: QC Std 8
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Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 19:52:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20070.226	0.00				ug/L
|	Be	9	4826.498	0.03	16.8382	0.501	2.973	ug/L
|	Al	27	29319979.236	164.20	5259.8519	251.483	4.781	ug/L
⌊>	Sc	45	178717.229	178717.23				ug/L
⌈	Ti	49	20319.323	0.07	42.2125	0.989	2.344	ug/L
|	V	51	615866.249	2.05	79.2943	0.683	0.861	ug/L
|	Cr	52	734784.073	2.42	111.3575	0.758	0.681	ug/L
|	Cr	53	86245.576	0.29	110.6596	0.524	0.473	ug/L
|	Mn	55	3297086.382	11.00	324.8443	0.854	0.263	ug/L
|	Co	59	434658.376	1.45	54.2036	0.497	0.917	ug/L
|	Ni	60	264548.299	0.88	156.9760	1.490	0.949	ug/L
|	Cu	65	205719.857	0.69	115.5665	2.220	1.921	ug/L
|	Zn	66	222738.476	0.74	210.7192	3.192	1.515	ug/L
|>	Ge	72	299617.748	299617.75				ug/L
|	As	75	35016.283	0.12	35.7465	0.429	1.199	ug/L
|	Se	77	1104.061	0.00	13.1523	0.974	7.403	ug/L
|	Se	82	1203.088	0.00	12.4477	0.600	4.821	ug/L
⌊	Rb	85	89296.917	0.30				mg/L
	Y	89	302288.363	39223.56				ug/L
	Rh	103	84.001	67.33				ug/L
⌈	Mo	98	1910.074	0.01	0.6863	0.017	2.465	ug/L
|	Ag	107	102906.493	0.35	18.7684	0.291	1.552	ug/L
|	Cd	114	11514.642	0.04	10.1407	0.164	1.614	ug/L
|>	In	115	298172.778	298172.78				ug/L
|	Sn	118	252.803	0.00	0.0378	0.003	7.972	ug/L
⌊	Sb	123	2413.257	0.01	0.6505	0.015	2.364	ug/L
⌈	Ba	135	339224.444	0.92	223.7117	2.359	1.054	ug/L
|	Ce	140	532998.991	1.45				ug/L
⌊>	Tb	159	368343.851	368343.85				ug/L
⌈	Ho	165	6035.759	0.02				ug/L
|	Tl	203	459706.953	1.45	74.0372	0.353	0.477	ug/L
|	Tl	205	1155660.724	3.65	75.8975	0.721	0.950	ug/L
|	Pb	206	253197.919	0.80	50.3159	0.521	1.035	ug/L
|	Pb	207	213187.821	0.67	44.7975	0.592	1.322	ug/L
|	Pb	208	998838.709	3.15	47.2904	0.323	0.683	ug/L
|	U	238	611445.595	1.93	18.2621	0.309	1.693	ug/L
⌊>	Bi	209	316415.898	316415.90				ug/L

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⌈	Na	23	944294.550	5.23	0.1857	0.009	4.708	mg/L
|	Mg	24	258799801.548	1449.00	76.8625	2.294	2.985	mg/L
|	K	39	49958972.487	277.52	7.3822	0.190	2.571	mg/L
|	Ca	43	2619344.571	14.66	164.6800	4.675	2.839	mg/L
|	Fe	54	5337838.275	29.64	9.3085	0.320	3.434	mg/L
|	Fe	57	2433862.344	13.58	10.1740	0.375	3.682	mg/L
⌊>	Sc-1	45	178717.229	178717.23				mg/L
	Cl	35	24715.846	-1282.58				mg/L
	Kr	83	77.334	7.00				mg/L
	Br	81	12375.666	2047.66				mg/L
	P	31	150273.369	140612.01				mg/L
	S	34	168437.210	14910.57				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		79.815			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		81.064			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		85.683			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		82.661			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Cr 52 Upper, S, EEE	Cr	52	
Mn 55 Upper, S, EEE	Mn	55	
Ni 60 Upper, S, EEE	Ni	60	
Cu 65 Upper, S, EEE	Cu	65	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: L1103074204

Sample Date/Time: Monday, April 04, 2011 19:59:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22241.456	0.01				ug/L
|	Be	9	4915.875	0.03	15.8016	0.398	2.520	ug/L
|	Al	27	31876120.826	164.40	5266.1584	77.416	1.470	ug/L
⌊>	Sc	45	193895.160	193895.16				ug/L
⌈	Ti	49	52754.092	0.17	104.6128	2.049	1.959	ug/L
|	V	51	716973.125	2.27	88.1042	1.342	1.523	ug/L
|	Cr	52	781959.991	2.46	113.0710	1.417	1.253	ug/L
|	Cr	53	107269.696	0.34	131.3602	1.945	1.481	ug/L
|	Mn	55	3693359.105	11.76	347.1412	0.627	0.181	ug/L
|	Co	59	476563.764	1.52	56.6968	0.417	0.735	ug/L
|	Ni	60	287682.385	0.92	162.8389	1.942	1.193	ug/L
|	Cu	65	225476.900	0.72	120.8299	0.558	0.462	ug/L
|	Zn	66	238622.625	0.76	215.3556	2.362	1.097	ug/L
|>	Ge	72	314078.126	314078.13				ug/L
|	As	75	36704.028	0.12	35.7454	0.543	1.518	ug/L
|	Se	77	3097.813	0.01	36.8748	1.244	3.373	ug/L
|	Se	82	1205.689	0.00	11.9045	0.123	1.034	ug/L
⌊	Rb	85	102467.689	0.33				mg/L
	Y	89	318256.563	55191.76				ug/L
	Rh	103	91.668	75.00				ug/L
⌈	Mo	98	3651.279	0.01	1.3549	0.055	4.043	ug/L
|	Ag	107	106470.199	0.36	19.3089	0.074	0.382	ug/L
|	Cd	114	11634.747	0.04	10.1871	0.320	3.137	ug/L
|>	In	115	299839.229	299839.23				ug/L
|	Sn	118	1660.671	0.01	0.3809	0.013	3.492	ug/L
⌊	Sb	123	143237.705	0.48	39.6303	0.183	0.462	ug/L
⌈	Ba	135	442020.517	1.21	293.4072	4.800	1.636	ug/L
|	Ce	140	575333.831	1.57				ug/L
⌊>	Tb	159	365955.290	365955.29				ug/L
⌈	Ho	165	6502.765	0.02				ug/L
|	Tl	203	474193.638	1.46	74.2687	0.147	0.198	ug/L
|	Tl	205	1175553.990	3.61	75.0775	0.293	0.391	ug/L
|	Pb	206	273375.034	0.84	52.8312	0.499	0.945	ug/L
|	Pb	207	230956.938	0.71	47.1987	0.373	0.790	ug/L
|	Pb	208	1079447.652	3.31	49.7023	0.069	0.139	ug/L
|	U	238	640215.372	1.97	18.5947	0.137	0.739	ug/L
⌊>	Bi	209	325365.712	325365.71				ug/L

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⌈	Na	23	922761.426	4.70	0.1667	0.001	0.899	mg/L
|	Mg	24	256846957.047	1324.71	70.2692	0.572	0.814	mg/L
|	K	39	53356394.954	273.03	7.2627	0.074	1.018	mg/L
|	Ca	43	2818965.480	14.54	163.2860	2.127	1.303	mg/L
|	Fe	54	6342995.393	32.47	10.1977	0.235	2.305	mg/L
|	Fe	57	2860805.399	14.71	11.0212	0.194	1.760	mg/L
⌊>	Sc-1	45	193895.160	193895.16				mg/L
	Cl	35	25380427.740	25354429.31				mg/L
	Kr	83	85.001	14.67				mg/L
	Br	81	13192.702	2864.70				mg/L
	P	31	152709.914	143048.56				mg/L
	S	34	156955.557	3428.92				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.667			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		81.517			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		85.127			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		84.999			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Cr 52 Upper, S, EEE	Cr	52	
Mn 55 Upper, S, EEE	Mn	55	
Ni 60 Upper, S, EEE	Ni	60	
Cu 65 Upper, S, EEE	Cu	65	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Monday, April 04, 2011 20:06:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18784.306	0.01				ug/L
|	Be	9	13256.114	0.08	50.8571	2.391	4.702	ug/L
|	Al	27	288383.304	1.77	56.5418	2.741	4.847	ug/L
⌊>	Sc	45	162511.431	162511.43				ug/L
⌈	Ti	49	51282.944	0.16	99.4402	1.662	1.672	ug/L
|	V	51	421531.012	1.30	50.5023	0.716	1.418	ug/L
|	Cr	52	365874.673	1.11	51.0136	0.702	1.377	ug/L
|	Cr	53	43488.715	0.13	51.8666	1.446	2.789	ug/L
|	Mn	55	545180.797	1.70	50.0506	0.825	1.649	ug/L
|	Co	59	436695.094	1.36	50.7924	0.288	0.568	ug/L
|	Ni	60	92784.397	0.29	51.2906	0.352	0.686	ug/L
|	Cu	65	99027.286	0.31	51.8549	1.141	2.201	ug/L
|	Zn	66	60006.438	0.19	52.7618	0.330	0.625	ug/L
|>	Ge	72	321251.972	321251.97				ug/L
|	As	75	52112.634	0.16	49.5256	0.508	1.026	ug/L
|	Se	77	4321.600	0.01	50.6608	0.503	0.993	ug/L
|	Se	82	5138.993	0.02	49.3487	0.968	1.962	ug/L
⌊	Rb	85	2027.226	0.01				mg/L
	Y	89	213846.837	-49217.96				ug/L
	Rh	103	36.667	20.00				ug/L
⌈	Mo	98	266827.185	0.84	96.8262	0.247	0.255	ug/L
|	Ag	107	295755.097	0.93	50.4641	0.590	1.168	ug/L
|	Cd	114	60092.376	0.19	49.4539	0.633	1.280	ug/L
|>	In	115	318926.617	318926.62				ug/L
|	Sn	118	221156.240	0.69	50.6982	0.169	0.334	ug/L
⌊	Sb	123	192077.874	0.60	49.9681	0.201	0.401	ug/L
⌈	Ba	135	83300.365	0.21	51.5813	0.759	1.472	ug/L
|	Ce	140	83.342	0.00				ug/L
⌊>	Tb	159	392159.174	392159.17				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	359449.443	1.00	51.0798	0.946	1.851	ug/L
|	Tl	205	873708.764	2.44	50.6234	0.635	1.254	ug/L
|	Pb	206	289199.984	0.81	50.7029	0.179	0.352	ug/L
|	Pb	207	270351.938	0.75	50.1284	0.299	0.596	ug/L
|	Pb	208	1207876.269	3.36	50.4614	0.467	0.925	ug/L
|	U	238	1997571.630	5.57	52.6503	0.509	0.967	ug/L
⌊>	Bi	209	358633.563	358633.56				ug/L

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 20:08:28
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Na	23	25013854.236	154.09	5.5364	0.286	5.175	mg/L
Mg	24	16618903.953	102.34	5.4262	0.166	3.057	mg/L
K	39	32159976.101	196.01	5.2119	0.252	4.844	mg/L
Ca	43	74443.539	0.46	5.1309	0.143	2.778	mg/L
Fe	54	2636297.263	16.00	5.0229	0.300	5.964	mg/L
Fe	57	1092768.749	6.68	5.0077	0.206	4.106	mg/L
Sc-1	45	162511.431	162511.43				mg/L
Cl	35	35165.169	9166.74				mg/L
Kr	83	46.334	-24.00				mg/L
Br	81	9260.290	-1067.71				mg/L
P	31	9119.536	-541.82				mg/L
S	34	151529.592	-1997.05				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	101.005				
Cr	52	102.027				
Cr	53					
Mn	55	100.101				
Co	59	101.585				
Ni	60	102.581				
Cu	65	103.710				
Zn	66	105.524				
Ge	72		85.578			
As	75	99.051				
Se	77					
Se	82	98.697				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.928				
Cd	114	98.908				
In	115		86.706			
Sn	118					
Sb	123	99.936				
Ba	135	103.163				
Ce	140					
Tb	159		91.223			
Ho	165					
Tl	203	102.160				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.923				
U	238	105.301				
Bi	209		93.690			
Na	23					

Sample ID: QC Std 6
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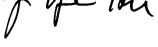

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Monday, April 04, 2011 20:08:28
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Approved: April 05, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Monday, April 04, 2011 20:13:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18366.854	0.00				ug/L
|	Be	9	15.333	0.00	0.0780	0.031	40.380	ug/L
|	Al	27	2166.907	0.00	0.0458	0.061	134.224	ug/L
⌊>	Sc	45	164358.485	164358.49				ug/L
⌈	Ti	49	60.006	0.00	0.0600	0.032	52.512	ug/L
|	V	51	2974.540	0.00	0.0134	0.034	256.843	ug/L
|	Cr	52	9498.605	0.00	0.0249	0.006	23.004	ug/L
|	Cr	53	1306.883	0.00	1.2014	0.098	8.195	ug/L
|	Mn	55	322.675	-0.00	-0.0333	0.002	6.004	ug/L
|	Co	59	88.335	-0.00	-0.0280	0.001	3.643	ug/L
|	Ni	60	42.334	-0.00	-0.0638	0.004	6.335	ug/L
|	Cu	65	91.668	0.00	-0.0139	0.003	24.911	ug/L
|	Zn	66	171.337	0.00	-0.0972	0.016	16.812	ug/L
|>	Ge	72	324914.877	324914.88				ug/L
|	As	75	-197.205	-0.00	0.0595	0.058	96.947	ug/L
|	Se	77	80.000	-0.00	-0.0597	0.250	419.725	ug/L
|	Se	82	-0.200	-0.00	0.0810	0.134	165.796	ug/L
⌊	Rb	85	27.667	0.00				mg/L
	Y	89	220547.534	-42517.27				ug/L
	Rh	103	12.333	-4.33				ug/L
⌈	Mo	98	284.687	0.00	0.0458	0.019	41.855	ug/L
|	Ag	107	60.001	0.00	-0.0134	0.002	12.381	ug/L
|	Cd	114	2.763	0.00	0.0067	0.005	80.445	ug/L
|>	In	115	326036.828	326036.83				ug/L
|	Sn	118	254.670	0.00	0.0330	0.002	5.868	ug/L
⌊	Sb	123	226.494	0.00	0.0363	0.008	22.715	ug/L
⌈	Ba	135	29.667	-0.00	-0.0016	0.005	279.696	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	400708.482	400708.48				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	229.338	0.00	0.0201	0.003	13.099	ug/L
|	Tl	205	533.401	0.00	0.0118	0.001	12.636	ug/L
|	Pb	206	316.675	-0.00	-0.0039	0.003	83.339	ug/L
|	Pb	207	279.007	-0.00	0.0076	0.004	50.834	ug/L
|	Pb	208	1249.710	-0.00	0.0009	0.001	69.800	ug/L
|	U	238	160.336	0.00	-0.0027	0.001	41.196	ug/L
⌊>	Bi	209	374137.168	374137.17				ug/L

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 20:15:32
Page 1

Approved: April 05, 2011

Na	23	11601.221	0.01	-0.0018	0.000	4.191	mg/L
Mg	24	5692.193	0.03	-0.0012	0.000	4.758	mg/L
K	39	386469.873	0.20	-0.0017	0.003	177.082	mg/L
Ca	43	220.025	-0.00	-0.0030	0.003	107.367	mg/L
Fe	54	41161.702	0.00	-0.0041	0.004	102.000	mg/L
Fe	57	6746.287	-0.01	-0.0069	0.001	19.321	mg/L
> Sc-1	45	164358.485	164358.49				mg/L
Cl	35	23157.450	-2840.98				mg/L
Kr	83	61.334	-9.00				mg/L
Br	81	9066.109	-1261.89				mg/L
P	31	8649.089	-1012.27				mg/L
S	34	159518.551	5991.91				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		86.554			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.639			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.211			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.740			
Na	23					

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 20:15:32
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Approved: April 05, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Monday, April 04, 2011 20:15:32
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Approved: April 05, 2011

2.2 General Chemistry Data

2.2.1 Percent Solids Data

2.2.1.1 Raw Data

LABORATORY REPORT

L11040067

04/05/11 11:11

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4111-SS-DUP	L11040067-01	D2216-90	1	04-APR-11
SWMU-57-4111-SS-MS	L11040067-02	D2216-90	1	04-APR-11
SWMU-57-4111-SS-MSD	L11040067-03	D2216-90	1	04-APR-11

Microbac Laboratories Inc.

Report Number: **L11040067**
Report Date : **April 5, 2011**

Sample Number:	**L11040067-01**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4111-SS-DUP**	Prep Method:	**D2216-90**	Prep Date:	**04/05/2011 08:26**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360721**	Analyst:	**JDH**	Run Date:	**04/05/2011 08:26**
Collect Date:	**04/01/2011 12:00**	Dilution:	**1**	File ID:	**B1.360721-0109**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**75.8**		**1.00**	**1.00**

Report Number: **L11040067**
Report Date : **April 5, 2011**

Sample Number:	**L11040067-02**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4111-SS-MS**	Prep Method:	**D2216-90**	Prep Date:	**04/05/2011 08:26**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360721**	Analyst:	**JDH**	Run Date:	**04/05/2011 08:26**
Collect Date:	**04/01/2011 12:00**	Dilution:	**1**	File ID:	**B1.360721-0110**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**75.8**		**1.00**	**1.00**

Report Number: **L11040067**
Report Date : **April 5, 2011**

Sample Number:	**L11040067-03**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4111-SS-MSD**	Prep Method:	**D2216-90**	Prep Date:	**04/05/2011 08:26**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG360721**	Analyst:	**JDH**	Run Date:	**04/05/2011 08:26**
Collect Date:	**04/01/2011 12:00**	Dilution:	**1**	File ID:	**B1.360721-0111**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**75.8**		**1.00**	**1.00**

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:	
WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

2.0 Calculating the percent moisture of a sample.

% Moisture = 100 - % Solids from 1.0 calculation

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG360721 Analyst:JDH ADT(on):04/04/2011 14:03
Method:D2216-90 Instrument:BAL001 ADT(off):04/05/2011 08:26
SOP:K0003 Rev:11

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE
L11031042-01	1.33	12.76	8.37			61.59	
L11040011-01	1.31	26.93	21.95			80.56	
L11040011-02	1.32	16.95	13.83			80.04	
L11040011-03	1.31	16.94	13.58			78.50	
L11040011-04	1.31	21.8	17.61			79.55	
L11040011-05	1.31	19.1	16			82.57	
L11040011-06	1.31	21.8	17.61			79.55	
L11040011-07	1.31	21.8	17.61			79.55	
L11040011-08	1.31	19.1	16			82.57	
L11040011-09	1.31	19.1	16			82.57	
L11040014-02	1.33	27.34	22.44			81.16	
L11040018-01	1.33	24.83	17.2			67.53	
L11040019-01	1.32	21.38	19.33			89.78	
L11040019-02	1.32	21.22	19.76			92.66	
L11040058-01	1.32	29.46	22.68			75.91	
L11040058-02	1.31	31.57	26.51			83.28	
L11040058-03	1.34	29.17	22.92			77.54	
L11040058-04	1.3	31.48	26.31			82.87	
L11040063-01	1.3	21.06	16.94			79.15	
L11040065-01	1.3	24.45	23.07			94.04	
L11040065-02	1.3	31.39	29.97			95.28	
L11040065-03	1.31	22.34	19.58			86.88	
L11040065-04	1.32	22.14	19.67			88.14	
L11040066-01	1.32	23.35	18.12			76.26	
L11040066-02	1.31	24.77	19.47			77.41	
L11040066-03	1.33	26.2	20.18			75.79	
L11040066-04	1.31	30.83	23.87			76.42	
L11040066-05	1.32	26.09	20.31			76.67	
L11040066-06	1.32	26.62	21.65			80.36	
L11040066-07	1.32	27.68	23.03			82.36	
L11040066-08	1.32	34.58	26.56			75.89	
L11040067-01	1.31	23.47	18.11			75.81	
L11040067-02	1.31	23.47	18.11			75.81	
L11040067-03	1.31	23.47	18.11			75.81	
WG360721-01	1.32	23.35	18.12			76.26	23.74
WG360721-02	1.33	27.34	22.44			81.16	18.84
WG360721-03	1.32	20.53	16.15			77.20	22.80
WG360721-04	1.33	33.68	27.87			82.04	17.96

Analyst: Justin Hesson

PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1963377
Report generated: 04/05/2011 08:28

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
April 6, 2011

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
ALV – AMY L. VALENTINE	AML – TONY M. LONG	AZH – AFTER HOURS
BLG – BRENDA L. GREENWALT	BRG – BRENDA R. GREGORY	CAA – CASSIE A. AUGENSTEIN
CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD
CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
ECL – ERIC C. LAWSON	EDL – ERIN D. LONG	ERP – ERIN R. PORTER
FJB – FRANCES J. BOLDEN	HAV – HEMA VILASAGAR	HJR – HOLLY J. REED
JAL – JOHN A. LENT	JBK – JEREMY B. KINNEY	JDH – JUSTIN D. HESSON
JKT – JANE K. THOMPSON	JLL – JOHN L. LENT	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KEB – KATIE E. BARNES
KHR – KIM H. RHODES	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MIKE D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	PDM – PIERCE D. MORRIS	PWD – PAUL W. DENT
RAH – ROY A. HALSTEAD	RB – BOB BUCHANAN	REK – BOB E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WJB – WILL J. BEASLEY
WTD – WADE T. DELONG		

Microbac Laboratories Inc.
List of Valid Qualifiers
April 06, 2011

Qualkey: DOD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	The reported result is associated with a contaminated method blank.
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated concentration; sample matrix interference.
J	Estimated value ; the analyte concentration was greater than the highest standard
J	Estimated value ; the analyte concentration was less than the low standard (LOQ)
J	The reported result is an estimated value.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported LOD.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: DOD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 2167

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4308
Fax: 740-376-2536

Company Name: UXB-KEMRON

Project Contact: MARY COU ROCHOTTE | Contact Phone #: 740-373-4308

Turn Around Requirements: 5-DAY | Location: RFAAP - RADFORD VA

Project ID: MR0669 | SWMU-57

Sampler (print): SARAH ANDERSON | Signature:

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	METALS 6010 LIST	TOTAL # (LAB USE)
SWMU-57-4111-SS-DUP		X	4-1-11	1200	SOIL	1		1	
SWMU-57-4111-SS-MS		X	4-1-11	1200	SOIL	1		1	
SWMU-57-4111-SS-MSD		X	4-1-11	1200	SOIL	1		1	

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

ADDITIONAL REQUIREMENTS

PCL QAPP FOR RFAAP

☆ ALUMINUM
ANTIMONY
MANGANESE
CADMIUM
CHROMIUM
IRON

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-2-11	1040			
Relinquished by: (Signature)	Date	Time	Remarks:		

Microbac OVD
Received: 04/04/2011 09:39
By: BRENDA GREENWALT
221000013711

Brenda Greenwalt

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

Page _____ of _____

COOLER INSPECTION

Received: 04/04/2011 09:39
Delivery Method: FedEx
Opened By: Brenda Greenwalt
Comments:

Login(s): L11040067|

Cooler(s)

Cooler #	Temp Gun	Temp	Tracking #	COC #	Comments
0015403	G	2.0	345750941100256387504384033020 06	2167	

1	Yes	Were shipping coolers sealed?
2	Yes	Were custody seals intact?
3	Yes	Were cooler temperatures in range of 0-6?
4	Yes	Was ice present?
5	Yes	Were COC's received/information complete/signed and dated?
6	Yes	Were sample containers and labels intact and match COC?
7	Yes	Were the correct containers and volumes received?
8	Yes	Were samples received within EPA hold times?
9	NA	Were correct perservatives used? (water only)
10	NA	Were pH ranges acceptable? (voa's excluded)
11	NA	Were VOA samples free of headspace (less than 6mm)?

Discrepancies:

Microbac - Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750
Tel: (740)373-4071 Fax: (740)373-4835

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11040067
Account: 2820
Project: 2820.216
Samples: 3
Due Date: 11-APR-2011

Samplenum	Container ID	Products
L11040067-01	815035	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11040067-02	815036	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	DIG	04-APR-2011 11:37	JKT	
2	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
3	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

Samplenum	Container ID	Products
L11040067-03	815037	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	04-APR-2011 11:37	JKT	
2	PREP	W1	DIG	04-APR-2011 11:56	REK	JKT
3	ANALYZ	DIG	WET	04-APR-2011 12:50	JDH	BRG
4	ANALYZ*	DIG	METALS	04-APR-2011 15:05	JYH	REK
5	STORE	WET	W1	05-APR-2011 13:56	RLK	JDH

***Sample extract/digestate/leachate**

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L11040179

Client: Mary Lou Rochette, 156 Starlite Drive, Marietta, OH, 45750

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Kathy Albertson	*Team Chemist/Data Specialist*	Kathy.Albertson@microbac.com
Stephanie Mossburg	*Team Chemist/Data Specialist*	Stephanie.Mossburg@microbac.com
Tony Long	*Team Chemist/Data Specialist*	Tony.Long@microbac.com
Amanda Fickiesen	*Client Services Specialist*	Amanda.Fickiesen@microbac.com
Annie Brown	*Client Services Specialist*	Annie.Brown@microbac.com

This report was reviewed on April 08, 2011.

Stephanie Mossburg - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the DoD QSM and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, DoD ELAP certification number 2936.01. The reported results are related only to the samples analyzed as received.

This report was certified on April 08, 2011.

David Vandenberg - Managing Director

State of origin: Virginia
Accrediting authority: N/A ID:N/A
QAPP: DOD Ver 4.1
This report contains a total of 861 pages.

Look closer. Go further. Do more.

Microbac REPORT L11040179
PREPARED FOR Kemron Environmental Services
WORK ID:

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1.0 Introduction

LABORATORY REPORT

L11040179

04/08/11 12:35

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Marv Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
SWMU-57-4411-SS-7.5-SW-11	L11040179-01	04/04/2011 08:00	04/06/2011
SWMU-57-4411-SS-15-FC-NUM9	L11040179-02	04/04/2011 14:00	04/06/2011
SWMU-57-4411-SS-15-FC-NUM10	L11040179-03	04/04/2011 15:00	04/06/2011
SWMU-57-4511-SS-7.5-SW-12	L11040179-04	04/05/2011 13:30	04/06/2011

L1_A_PROD_COVER - Modified 02/06/2008
PDF File ID: 1968091
Report generated: 04/08/2011 12:35

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number: **L11040179-01** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4411-SS-7.5-SW-11** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 16:14**
Collect Date: **04/04/2011 08:00** | Dilution: **1** | File ID: **T2.040611.161400**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **75.2**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16100		20.1	10.0
Antimony, Total	7440-36-0	2.69		1.00	0.502
Iron, Total	7439-89-6	33200		3.01	1.51
Manganese, Total	7439-96-5	291		0.502	0.251

Sample Number: **L11040179-01** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4411-SS-7.5-SW-11** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 21:16**
Collect Date: **04/04/2011 08:00** | Dilution: **5** | File ID: **EL.040611.211621**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **75.2**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.656	0.328
Chromium, Total	7440-47-3	29.6		2.62	1.31

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040179-01** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4411-SS-7.5-SW-11** | Prep Method: **D2216-90** | Prep Date: **04/07/2011 08:54**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG361004** | Analyst: **JDH** | Run Date: **04/07/2011 08:54**
Collect Date: **04/04/2011 08:00** | Dilution: **1** | File ID: **B1.361004-0111**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	75.2		1.00	1.00

Sample Number: **L11040179-02** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4411-SS-15-FC-NUM** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 16:17**
Collect Date: **04/04/2011 14:00** | Dilution: **1** | File ID: **T2.040611.161728**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **78.3**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	13700		17.7	8.86
Antimony, Total	7440-36-0		U	0.886	0.443
Iron, Total	7439-89-6	28600		2.66	1.33
Manganese, Total	7439-96-5	335		0.443	0.221

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number: **L11040179-02** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4411-SS-15-FC-NUM** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 21:23**
Collect Date: **04/04/2011 14:00** | Dilution: **5** | File ID: **EL.040611.212330**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **78.3**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.635	0.318
Chromium, Total	7440-47-3	27.7		2.54	1.27

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040179-02** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4411-SS-15-FC-NUM** | Prep Method: **D2216-90** | Prep Date: **04/07/2011 08:54**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG361004** | Analyst: **JDH** | Run Date: **04/07/2011 08:54**
Collect Date: **04/04/2011 14:00** | Dilution: **1** | File ID: **B1.361004-0112**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	78.3		1.00	1.00

Sample Number: **L11040179-03** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4411-SS-15-FC-NUM** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 16:20**
Collect Date: **04/04/2011 15:00** | Dilution: **1** | File ID: **T2.040611.162056**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **80.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	14600		17.0	8.49
Antimony, Total	7440-36-0		U	0.849	0.425
Iron, Total	7439-89-6	28800		2.55	1.27
Manganese, Total	7439-96-5	420		0.425	0.212

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040179-03** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4411-SS-15-FC-NUM** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 21:30**
Collect Date: **04/04/2011 15:00** | Dilution: **5** | File ID: **EL.040611.213039**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **80.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.624	0.312
Chromium, Total	7440-47-3	27.1		2.49	1.25

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number: **L11040179-03** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4411-SS-15-FC-NUM** | Prep Method: **D2216-90** | Prep Date: **04/07/2011 08:54**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG361004** | Analyst: **JDH** | Run Date: **04/07/2011 08:54**
Collect Date: **04/04/2011 15:00** | Dilution: **1** | File ID: **B1.361004-0113**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	80.0		1.00	1.00

Sample Number: **L11040179-04** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4511-SS-7.5-SW-12** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 16:24**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **T2.040611.162424**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **79.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	14600		19.1	9.55
Antimony, Total	7440-36-0		U	0.955	0.478
Iron, Total	7439-89-6	30300		2.87	1.43
Manganese, Total	7439-96-5	718		0.478	0.239

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040179-04** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4511-SS-7.5-SW-12** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 21:37**
Collect Date: **04/05/2011 13:30** | Dilution: **5** | File ID: **EL.040611.213748**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **79.6**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.628	0.314
Chromium, Total	7440-47-3	18.4		2.51	1.26

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040179-04** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4511-SS-7.5-SW-12** | Prep Method: **D2216-90** | Prep Date: **04/07/2011 08:54**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG361004** | Analyst: **JDH** | Run Date: **04/07/2011 08:54**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **B1.361004-0114**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	79.6		1.00	1.00

Login Number: L11040179

Department: Login

Chain of Custody:

Shipment Conditions

COC #	Cooler #	Temperature
2169	001-000080	0.0

Sample Management: All samples were received intact.

Sample Identification

Lab ID	Client ID
L11040179-01	SWMU-57-4411-SS-7.5-SW-11
L11040179-02	SWMU-57-4411-SS-15-FC-NUM9
L11040179-03	SWMU-57-4411-SS-15-FC-NUM10
L11040179-04	SWMU-57-4511-SS-7.5-SW-12

Narrative ID: 25082
Approved By: Stephanie Mossburg
Stephanie Mossburg

2.0 Full Sample Data Package

2.1 Metals Data

2.1.1 Metals I C P Data

2.1.1.1 Summary Data

Login Number: L11040179

Department: Metals

Analyst: Ji Hu

METHOD

Preparation: SW-846 3051SW-846 3005A

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360996 - All acceptance criteria were met.All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

Narrative ID: 25162
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040179

04/08/11 12:35

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4411-SS-7.5-SW-11	L11040179-01	6010B	1	06-APR-11
SWMU-57-4411-SS-15-FC-NUM9	L11040179-02	6010B	1	06-APR-11
SWMU-57-4411-SS-15-FC-NUM10	L11040179-03	6010B	1	06-APR-11
SWMU-57-4511-SS-7.5-SW-12	L11040179-04	6010B	1	06-APR-11

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-01	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4411-SS-7.5-SW-11	Prep Method:	3051A	Prep Date:	04/06/2011 13:21
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/06/2011 10:51
Workgroup Number:	WG360996	Analyst:	JYH	Run Date:	04/06/2011 16:14
Collect Date:	04/04/2011 08:00	Dilution:	1	File ID:	T2.040611.161400
Sample Tag:	01	Units:	mg/kg	Percent Solid:	75.2

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16100		20.1	10.0
Antimony, Total	7440-36-0	2.69		1.00	0.502
Iron, Total	7439-89-6	33200		3.01	1.51
Manganese, Total	7439-96-5	291		0.502	0.251

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4411-SS-15-FC-NUM	Prep Method:	3051A	Prep Date:	04/06/2011 13:21
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/06/2011 10:51
Workgroup Number:	WG360996	Analyst:	JYH	Run Date:	04/06/2011 16:17
Collect Date:	04/04/2011 14:00	Dilution:	1	File ID:	T2.040611.161728
Sample Tag:	01	Units:	mg/kg	Percent Solid:	78.3

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	13700		17.7	8.86
Antimony, Total	7440-36-0		U	0.886	0.443
Iron, Total	7439-89-6	28600		2.66	1.33
Manganese, Total	7439-96-5	335		0.443	0.221

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-03	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4411-SS-15-FC-NUM	Prep Method:	3051A	Prep Date:	04/06/2011 13:21
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/06/2011 10:51
Workgroup Number:	WG360996	Analyst:	JYH	Run Date:	04/06/2011 16:20
Collect Date:	04/04/2011 15:00	Dilution:	1	File ID:	T2.040611.162056
Sample Tag:	01	Units:	mg/kg	Percent Solid:	80.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	14600		17.0	8.49
Antimony, Total	7440-36-0		U	0.849	0.425
Iron, Total	7439-89-6	28800		2.55	1.27
Manganese, Total	7439-96-5	420		0.425	0.212

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-04	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4511-SS-7.5-SW-12	Prep Method:	3051A	Prep Date:	04/06/2011 13:21
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/06/2011 10:51
Workgroup Number:	WG360996	Analyst:	JYH	Run Date:	04/06/2011 16:24
Collect Date:	04/05/2011 13:30	Dilution:	1	File ID:	T2.040611.162424
Sample Tag:	01	Units:	mg/kg	Percent Solid:	79.6

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	14600		19.1	9.55
Antimony, Total	7440-36-0		U	0.955	0.478
Iron, Total	7439-89-6	30300		2.87	1.43
Manganese, Total	7439-96-5	718		0.478	0.239

U Analyte was not detected. The concentration is below the reported LOD.

2.1.1.2 QC Summary Data

Example 6010 Calculations
Thermo Scientific iCAP 6500

1.0 Initial Calibration (ICAL) Parameters
For a multi-point calibration, the system performs linear regression from data consisting of a blank and four standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360981
Analyst: REK
Spike Analyst: ERP
Run Date: 04/06/2011 13:21
Method: 3051A
Balance: BAL014
Instrument: MW-3

SOP: ME406 Revison 12
Spike Solution: STD39933
Spike Witness: VC
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15342
HNO3 Lot #: COA15353

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360981-02	BLANK	7	1 g	50 mL	179.493 g	179.482 g		
2	WG360981-03	LCS	7	1 g	50 mL	180.504 g	180.512 g	5 mL	
3	L11040078-12	SAMP	7	1.326 g	50 mL	175.821 g	175.815 g		04/08/11
4	L11040078-13	SAMP	7	1.334 g	50 mL	175.883 g	175.869 g		04/08/11
5	L11040078-14	SAMP	7	1.425 g	50 mL	177.449 g	177.396 g		04/08/11
6	L11040078-15	SAMP	7	1.439 g	50 mL	179.461 g	179.43 g		04/08/11
7	L11040078-16	SAMP	7	1.328 g	50 mL	176.759 g	176.748 g		04/08/11
8	L11040078-17	SAMP	7	1.356 g	50 mL	177.245 g	177.231 g		04/08/11
9	L11040078-18	SAMP	7	1.394 g	50 mL	179.64 g	179.621 g		04/08/11
10	L11040078-19	SAMP	7	1.441 g	50 mL	178.238 g	178.194 g		04/08/11
11	L11040078-20	SAMP	7	1.336 g	50 mL	177.678 g	177.668 g		04/08/11
12	L11040078-21	SAMP	7	1.477 g	50 mL	175.414 g	175.396 g		04/08/11
13	L11040078-22	SAMP	7	1.326 g	50 mL	176.373 g	176.369 g		04/08/11
14	L11040078-23	SAMP	7	1.462 g	50 mL	175.857 g	175.853 g		04/08/11
15	L11040078-24	SAMP	7	1.478 g	50 mL	178.974 g	178.982 g		04/08/11
16	L11040078-25	SAMP	7	1.334 g	50 mL	176.639 g	176.626 g		04/08/11
17	L11040078-26	SAMP	7	1.321 g	50 mL	179.514 g	179.415 g		04/08/11
18	L11040179-01	SAMP	7	1.324 g	50 mL	177.073 g	177.073 g		04/07/11
19	L11040179-02	SAMP	7	1.443 g	50 mL	179.916 g	179.894 g		04/07/11
20	L11040179-03	SAMP	7	1.471 g	50 mL	180.464 g	180.447 g		04/07/11
21	L11040179-04	SAMP	7	1.315 g	50 mL	176.731 g	176.726 g		04/07/11
22	WG360981-01	REF	7	1.312 g	50 mL	176.857 g	176.781 g		
23	L11040180-01	RS01	7	1.312 g	50 mL	176.857 g	176.781 g		04/13/11
24	WG360981-04	MS	7	1.312 g	50 mL	184.157 g	184.152 g	5 mL	
25	L11040180-02	MS01	7	1.312 g	50 mL	184.157 g	184.152 g	5 mL	04/13/11
26	WG360981-05	MSD	7	1.312 g	50 mL	182.247 g	182.248 g	5 mL	
27	L11040180-03	SD01	7	1.312 g	50 mL	182.247 g	182.248 g	5 mL	04/13/11

Analyst: [signature]

Reviewer: Brenda Gregory

MW_DIG - Modified 09/30/2009
PDF ID: 1966259
Report generated: 04/06/2011 14:13

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.040611.103748	WG361002-01	Calibration Point		1		04/06/11 10:37
2	T2.040611.104124	WG361002-02	Calibration Point		1		04/06/11 10:41
3	T2.040611.104458	WG361002-03	Calibration Point		1		04/06/11 10:44
4	T2.040611.104830	WG361002-04	Calibration Point		1		04/06/11 10:48
5	T2.040611.105151	WG361002-05	Calibration Point		1		04/06/11 10:51
6	T2.040611.105517	WG361002-06	Initial Calibration Verification		1		04/06/11 10:55
7	T2.040611.105839	WG361002-07	Initial Calib Blank		1		04/06/11 10:58
8	T2.040611.110215	WG361002-08	Interference Check		1		04/06/11 11:02
9	T2.040611.110539	WG361002-09	Interference Check		1		04/06/11 11:05
10	T2.040611.110905	WG361002-10	CCV		1		04/06/11 11:09
11	T2.040611.111226	WG361002-11	CCB		1		04/06/11 11:12
12	T2.040611.111606	WG360436-02	Method/Prep Blank	1/50	1		04/06/11 11:16
13	T2.040611.111941	WG360436-03	Laboratory Control S	1/50	1		04/06/11 11:19
14	T2.040611.112319	L11030504-89	T2	50/50	1		04/06/11 11:23
15	T2.040611.112657	L11030861-35	11584-C0006	1.04/50	5		04/06/11 11:26
16	T2.040611.113022	WG360938-01	Post Digestion Spike		5	L11030861-35	04/06/11 11:30
17	T2.040611.113341	WG360938-02	Serial Dilution		25	L11030861-35	04/06/11 11:33
18	T2.040611.113710	WG360938-02	Serial Dilution		125	L11030861-35	04/06/11 11:37
19	T2.040611.114042	L11030861-36	11584-C0007	1.007/50	5		04/06/11 11:40
20	T2.040611.114407	L11030861-37	11584-C0008	1.009/50	5		04/06/11 11:44
21	T2.040611.114732	L11030861-38	11584-C0009	1.004/50	5		04/06/11 11:47
22	T2.040611.115110	WG361002-12	CCV		1		04/06/11 11:51
23	T2.040611.115430	WG361002-13	CCB		1		04/06/11 11:54
24	T2.040611.115810	L11030861-39	11584-C0010	1.021/50	5		04/06/11 11:58
25	T2.040611.120143	L11030861-40	12429-C0003	1.027/50	5		04/06/11 12:01
26	T2.040611.120507	L11030861-41	12429-C0004	1.041/50	5		04/06/11 12:05
27	T2.040611.120830	WG360436-01	Reference Sample		5	L11030861-42	04/06/11 12:08
28	T2.040611.121154	WG360436-04	Matrix Spike	1/50	5	L11030861-42	04/06/11 12:11
29	T2.040611.121518	WG360436-05	Matrix Spike Duplica	1/50	5	L11030861-42	04/06/11 12:15
30	T2.040611.121842	L11030861-45	12429-C0006	1.014/50	5		04/06/11 12:18
31	T2.040611.122206	L11030861-46	12429-C0008	1.013/50	5		04/06/11 12:22
32	T2.040611.122530	L11030861-47	12429-C0009	1.046/50	5		04/06/11 12:25
33	T2.040611.122853	L11030861-48	12429-C0010	1.015/50	5		04/06/11 12:28
34	T2.040611.123223	WG361002-14	CCV		1		04/06/11 12:32

Page: 1 Approved: April 07, 2011

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.040611.123544	WG361002-15	CCB		1		04/06/11 12:35
36	T2.040611.123928	L11030861-49	12429-C0011	1.026/50	5		04/06/11 12:39
37	T2.040611.124251	L11030861-50	11522-C0005	1.013/50	5		04/06/11 12:42
38	T2.040611.124624	L11030861-51	11534-C0001	1.001/50	5		04/06/11 12:46
39	T2.040611.124958	L11030861-52	11575-C0002	1.01/50	5		04/06/11 12:49
40	T2.040611.125323	L11030861-53	11584-C0004	1.032/50	5		04/06/11 12:53
41	T2.040611.125653	L11030906-01	1100-C0001	1.017/50	1		04/06/11 12:56
42	T2.040611.130023	L11030906-02	1100-C0002	1.013/50	1		04/06/11 13:00
43	T2.040611.130347	L11030906-03	1100-C0003	1.008/50	1		04/06/11 13:03
44	T2.040611.130713	L11030859-08	10120-C0006	1.04/50	2		04/06/11 13:07
45	T2.040611.131042	WG361002-16	CCV		1		04/06/11 13:10
46	T2.040611.131404	WG361002-17	CCB		1		04/06/11 13:14
47	T2.040611.131748	WG360443-02	Method/Prep Blank	1/50	1		04/06/11 13:17
48	T2.040611.132123	WG360443-03	Laboratory Control S	1/50	1		04/06/11 13:21
49	T2.040611.132455	L11030906-04	1100-C0004	1.033/50	1		04/06/11 13:24
50	T2.040611.132824	WG360939-01	Post Digestion Spike		1	L11030906-04	04/06/11 13:28
51	T2.040611.133144	WG360939-02	Serial Dilution		5	L11030906-04	04/06/11 13:31
52	T2.040611.133510	WG360939-02	Serial Dilution		25	L11030906-04	04/06/11 13:35
53	T2.040611.133837	L11030906-05	1100-C0005	1.01/50	1		04/06/11 13:38
54	T2.040611.134207	L11030906-06	1100-C0006	1.014/50	1		04/06/11 13:42
55	T2.040611.134528	L11030906-07	1100-C0007	1.009/50	1		04/06/11 13:45
56	T2.040611.134858	L11030906-08	1100-C0008	1.006/50	1		04/06/11 13:48
57	T2.040611.135234	WG361002-18	CCV		1		04/06/11 13:52
58	T2.040611.135554	WG361002-19	CCB		1		04/06/11 13:55
59	T2.040611.135937	L11030906-09	1100-C0009	1.011/50	1		04/06/11 13:59
60	T2.040611.140259	L11030906-10	1100-C0010	1.004/50	1		04/06/11 14:02
61	T2.040611.140622	L11030906-11	1100-C0011	1.014/50	1		04/06/11 14:06
62	T2.040611.140943	L11030906-12	1100-C0012	1.006/50	1		04/06/11 14:09
63	T2.040611.141307	L11030906-13	1100-C0013	1.015/50	1		04/06/11 14:13
64	T2.040611.141638	L11030906-14	1100-C0014	1.003/50	1		04/06/11 14:16
65	T2.040611.142001	L11030906-15	1100-C0015	1.013/50	1		04/06/11 14:20
66	T2.040611.142329	L11030906-16	1100-C0016	1.01/50	1		04/06/11 14:23
67	T2.040611.142658	L11030906-17	1100-C0017	1.024/50	1		04/06/11 14:26
68	T2.040611.143027	L11030906-18	1100-C0018	1.038/50	1		04/06/11 14:30

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Sheri L. Babcock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.040611.143405	WG361002-20	CCV		1		04/06/11 14:34
70	T2.040611.143726	WG361002-21	CCB		1		04/06/11 14:37
71	T2.040611.144109	L11030504-76	T2	50/50	1		04/06/11 14:41
72	T2.040611.144451	L11030504-76	T2		1		04/06/11 14:44
73	T2.040611.144827	L11030504-87	T2	50/50	1		04/06/11 14:48
74	T2.040611.145212	WG360443-01	Reference Sample		1	L11030906-19	04/06/11 14:52
75	T2.040611.145559	WG360443-04	Matrix Spike	1.01/50	1	L11030906-19	04/06/11 14:55
76	T2.040611.145945	WG360443-05	Matrix Spike Duplica	1.01/50	1	L11030906-19	04/06/11 14:59
77	T2.040611.150332	L11030906-22	1100-C0020	1.008/50	1		04/06/11 15:03
78	T2.040611.150707	L11030906-23	1100-C0021	1.015/50	1		04/06/11 15:07
79	T2.040611.151037	L11030906-24	1100-C0022	1.014/50	1		04/06/11 15:10
80	T2.040611.151405	L11030906-25	1100-C0023	1.023/50	1		04/06/11 15:14
81	T2.040611.151754	WG361002-22	CCV		1		04/06/11 15:17
82	T2.040611.152114	WG361002-23	CCB		1		04/06/11 15:21
83	T2.040611.152452	WG360981-02	Method/Prep Blank	1/50	1		04/06/11 15:24
84	T2.040611.152827	WG360981-03	Laboratory Control S	1/50	1		04/06/11 15:28
85	T2.040611.153150	WG361002-24	Linear Range Check		1		04/06/11 15:31
86	T2.040611.153520	WG361002-24	Linear Range Check		1		04/06/11 15:35
87	T2.040611.153856	WG361002-24	Linear Range Check		1		04/06/11 15:38
88	T2.040611.154234	WG360981-01	Reference Sample		1	L11040180-01	04/06/11 15:42
89	T2.040611.154601	WG360981-04	Matrix Spike	1.312/50	1	L11040180-01	04/06/11 15:46
90	T2.040611.154927	WG360981-05	Matrix Spike Duplica	1.312/50	1	L11040180-01	04/06/11 15:49
91	T2.040611.155302	WG360996-01	Post Digestion Spike		1	L11040180-01	04/06/11 15:53
92	T2.040611.155628	WG360996-02	Serial Dilution		5	L11040180-01	04/06/11 15:56
93	T2.040611.155953	WG361002-25	CCV		1		04/06/11 15:59
94	T2.040611.160315	WG361002-26	CCB		1		04/06/11 16:03
95	T2.040611.160656	WG360996-02	Serial Dilution		25	L11040180-01	04/06/11 16:06
96	T2.040611.161027	WG360996-02	Serial Dilution		125	L11040180-01	04/06/11 16:10
97	T2.040611.161400	L11040179-01	SWMU-57-4411-SS-7.5-SW-	1.324/50	1		04/06/11 16:14
98	T2.040611.161728	L11040179-02	SWMU-57-4411-SS-15-FC-N	1.443/50	1		04/06/11 16:17
99	T2.040611.162056	L11040179-03	SWMU-57-4411-SS-15-FC-N	1.471/50	1		04/06/11 16:20
100	T2.040611.162424	L11040179-04	SWMU-57-4511-SS-7.5-SW-	1.315/50	1		04/06/11 16:24
101	T2.040611.162751	L11040078-12	9446-C0026	1.326/50	1		04/06/11 16:27
102	T2.040611.163128	L11040078-13	9446-C0027	1.334/50	1		04/06/11 16:31

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Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.040611.163508	WG361002-27	CCV		1		04/06/11 16:35
104	T2.040611.163830	WG361002-28	CCB		1		04/06/11 16:38
105	T2.040611.164210	L11040078-14	9446-C0028	1.425/50	1		04/06/11 16:42
106	T2.040611.164549	L11040078-15	9446-C0029	1.439/50	1		04/06/11 16:45
107	T2.040611.164925	L11040078-16	9446-C0030	1.328/50	1		04/06/11 16:49
108	T2.040611.165302	L11040078-17	9446-C0031	1.356/50	1		04/06/11 16:53
109	T2.040611.165647	L11040078-18	9446-C0032	1.394/50	1		04/06/11 16:56
110	T2.040611.170032	L11040078-19	9446-C0033	1.441/50	1		04/06/11 17:00
111	T2.040611.170408	L11040078-20	9446-C0034	1.336/50	1		04/06/11 17:04
112	T2.040611.170745	L11040078-21	9446-C0035	1.477/50	1		04/06/11 17:07
113	T2.040611.171127	WG361002-29	CCV		1		04/06/11 17:11
114	T2.040611.171448	WG361002-30	CCB		1		04/06/11 17:14
115	T2.040611.171825	L11040078-22	9446-C0036	1.326/50	1		04/06/11 17:18
116	T2.040611.172210	L11040078-23	9446-C0037	1.462/50	1		04/06/11 17:22
117	T2.040611.172556	L11040078-24	9446-C0038	1.478/50	1		04/06/11 17:25
118	T2.040611.172941	L11040078-25	9446-C0039	1.334/50	1		04/06/11 17:29
119	T2.040611.173322	L11040078-26	9446-C0040	1.321/50	1		04/06/11 17:33
120	T2.040611.173709	WG361002-31	CCV		1		04/06/11 17:37
121	T2.040611.174030	WG361002-32	CCB		1		04/06/11 17:40
122	T2.040611.174410	WG360445-02	Method/Prep Blank	1/50	1		04/06/11 17:44
123	T2.040611.174746	WG360445-03	Laboratory Control S	1/50	1		04/06/11 17:47
124	T2.040611.175118	L11030906-26	1100-C0024	1.023/50	1		04/06/11 17:51
125	T2.040611.175455	WG360942-01	Post Digestion Spike		1	L11030906-26	04/06/11 17:54
126	T2.040611.175830	WG360942-02	Serial Dilution		5	L11030906-26	04/06/11 17:58
127	T2.040611.180154	WG360942-02	Serial Dilution		25	L11030906-26	04/06/11 18:01
128	T2.040611.180522	L11030906-27	1100-C0025	1.039/50	1		04/06/11 18:05
129	T2.040611.180859	L11030906-28	1100-C0026	1.001/50	1		04/06/11 18:08
130	T2.040611.181235	L11030906-29	1100-C0027	1.047/50	1		04/06/11 18:12
131	T2.040611.181612	L11030906-30	1100-C0028	1.023/50	1		04/06/11 18:16
132	T2.040611.181958	WG361002-33	CCV		1		04/06/11 18:19
133	T2.040611.182319	WG361002-34	CCB		1		04/06/11 18:23
134	T2.040611.182702	L11030906-31	1100-C0029	1.033/50	1		04/06/11 18:27
135	T2.040611.183038	L11030906-32	1100-C0030	1.025/50	1		04/06/11 18:30
136	T2.040611.183414	L11030906-33	1100-C0031	1.047/50	1		04/06/11 18:34

Page: 4 Approved: April 07, 2011

Sheri L. Babcock

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
137	T2.040611.183751	L11030906-34	1100-C0032	1.003/50	1		04/06/11 18:37
138	T2.040611.184136	L11030906-35	1100-C0033	1.022/50	1		04/06/11 18:41
139	T2.040611.184514	L11030906-36	1100-C0034	1.029/50	1		04/06/11 18:45
140	T2.040611.184842	L11030906-37	1275-C0001	1.014/50	1		04/06/11 18:48
141	T2.040611.185211	L11030906-38	1275-C0002	1.033/50	1		04/06/11 18:52
142	T2.040611.185538	L11030906-39	1275-C0003	1.013/50	1		04/06/11 18:55
143	T2.040611.185915	L11030906-40	1275-C0004	1.024/50	1		04/06/11 18:59
144	T2.040611.190249	WG361002-35	CCV		1		04/06/11 19:02
145	T2.040611.190609	WG361002-36	CCB		1		04/06/11 19:06
146	T2.040611.190949	L11030906-41	1275-C0005	1.02/50	1		04/06/11 19:09
147	T2.040611.191318	L11030906-42	1275-C0006	1.005/50	1		04/06/11 19:13
148	T2.040611.191645	L11030906-43	1275-C0007	1.028/50	1		04/06/11 19:16
149	T2.040611.192021	WG360445-01	Reference Sample		1	L11030906-44	04/06/11 19:20
150	T2.040611.192358	WG360445-04	Matrix Spike	1.007/50	1	L11030906-44	04/06/11 19:23
151	T2.040611.192734	WG360445-05	Matrix Spike Duplica	1.007/50	1	L11030906-44	04/06/11 19:27
152	T2.040611.193110	L11030906-47	1275-C0009	1.015/50	1		04/06/11 19:31
153	T2.040611.193451	WG361002-37	CCV		1		04/06/11 19:34
154	T2.040611.193813	WG361002-38	CCB		1		04/06/11 19:38
155	T2.040611.194149	WG360470-02	Method/Prep Blank		1		04/06/11 19:41
156	T2.040611.194525	WG360470-03	Laboratory Control S		1		04/06/11 19:45
157	T2.040611.194858	L11030906-48	1747-C0001		1		04/06/11 19:48
158	T2.040611.195218	L11030907-01	1747-C0002		1		04/06/11 19:52
159	T2.040611.195540	WG360965-01	Post Digestion Spike		1	L11030907-01	04/06/11 19:55
160	T2.040611.195858	WG360965-02	Serial Dilution		5	L11030907-01	04/06/11 19:58
161	T2.040611.200224	WG360965-02	Serial Dilution		25	L11030907-01	04/06/11 20:02
162	T2.040611.200553	L11030907-02	1747-C0003		1		04/06/11 20:05
163	T2.040611.200923	L11030907-03	1747-C0004		1		04/06/11 20:09
164	T2.040611.201302	L11030907-04	1747-C0005		1		04/06/11 20:13
165	T2.040611.201632	WG361002-39	CCV		1		04/06/11 20:16
166	T2.040611.201954	WG361002-40	CCB		1		04/06/11 20:19
167	T2.040611.202334	L11030907-05	1813-C0001		1		04/06/11 20:23
168	T2.040611.202710	L11030907-06	1813-C0002		1		04/06/11 20:27
169	T2.040611.203046	L11030907-07	1813-C0003		1		04/06/11 20:30
170	T2.040611.203421	L11030907-08	1930-C0001		1		04/06/11 20:34

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Sheri L. Babcock

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
171	T2.040611.203744	L11030907-09	1930-C0002		1		04/06/11 20:37
172	T2.040611.204105	L11030907-10	1930-C0003		1		04/06/11 20:41
173	T2.040611.204443	L11030907-11	1930-C0004		1		04/06/11 20:44
174	T2.040611.204820	L11030907-12	1972-C0247		1		04/06/11 20:48
175	T2.040611.205200	L11030907-13	1972-C0248		1		04/06/11 20:52
176	T2.040611.205529	WG360470-01	Reference Sample		1	L11030907-14	04/06/11 20:55
177	T2.040611.205912	WG361002-41	CCV		1		04/06/11 20:59
178	T2.040611.210235	WG361002-42	CCB		1		04/06/11 21:02
179	T2.040611.210616	WG360470-04	Matrix Spike		1	L11030907-14	04/06/11 21:06
180	T2.040611.210953	WG360470-05	Matrix Spike Duplica		1	L11030907-14	04/06/11 21:09
181	T2.040611.211330	L11030907-17	1972-C0250		1		04/06/11 21:13
182	T2.040611.211708	L11030907-18	1972-C0251		1		04/06/11 21:17
183	T2.040611.212045	L11030907-19	1972-G0047		1		04/06/11 21:20
184	T2.040611.212431	L11030907-20	1972-G0048		1		04/06/11 21:24
185	T2.040611.212833	L11030907-21	1972-G0049		1		04/06/11 21:28
186	T2.040611.213218	WG360411-01	Reference Sample		2	L11030859-44	04/06/11 21:32
187	T2.040611.213551	WG360411-04	Matrix Spike	1.044/50	2	L11030859-44	04/06/11 21:35
188	T2.040611.213923	WG360411-05	Matrix Spike Duplica	1.044/50	2	L11030859-44	04/06/11 21:39
189	T2.040611.214301	WG361002-43	CCV		1		04/06/11 21:43
190	T2.040611.214623	WG361002-44	CCB		1		04/06/11 21:46
191	T2.040611.215003	WG360471-02	Method/Prep Blank	1/50	1		04/06/11 21:50
192	T2.040611.215337	WG360471-03	Laboratory Control S	1/50	1		04/06/11 21:53
193	T2.040611.215711	L11030907-22	1972-G0050	1.021/50	1		04/06/11 21:57
194	T2.040611.220056	WG360988-01	Post Digestion Spike		1	L11030907-22	04/06/11 22:00
195	T2.040611.220440	L11030907-22	1972-G0050		5		04/06/11 22:04
196	T2.040611.220802	WG360988-02	Serial Dilution		25	L11030907-22	04/06/11 22:08
197	T2.040611.221128	L11030907-23	1972-G0051	1.011/50	2		04/06/11 22:11
198	T2.040611.221511	L11030907-24	1972-G0052	1.031/50	2		04/06/11 22:15
199	T2.040611.221858	L11030907-25	1972-G0053	1.028/50	1		04/06/11 22:18
200	T2.040611.222219	L11030907-26	1972-G0054	1.001/50	1		04/06/11 22:22
201	T2.040611.222616	WG361002-45	CCV		1		04/06/11 22:26
202	T2.040611.222939	WG361002-46	CCB		1		04/06/11 22:29
203	T2.040611.223320	L11030907-27	1972-G0055	1.001/50	1		04/06/11 22:33
204	T2.040611.223658	L11030907-28	1972-G0056	1.013/50	1		04/06/11 22:36

 Approved: April 07, 2011

Sheri L. Babcock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
205	T2.040611.224035	L11030907-29	1972-G0057	1.048/50	1		04/06/11 22:40
206	T2.040611.224413	L11030907-30	1972-G0058	1.024/50	1		04/06/11 22:44
207	T2.040611.224751	L11030907-31	1972-G0059	1.018/50	1		04/06/11 22:47
208	T2.040611.225126	L11030907-32	1972-G0060	1.027/50	1		04/06/11 22:51
209	T2.040611.225511	L11030907-33	1972-G0061	1.021/50	1		04/06/11 22:55
210	T2.040611.225848	L11030907-34	1972-G0062	1.026/50	1		04/06/11 22:58
211	T2.040611.230233	L11030907-35	1972-G0063	1.039/50	1		04/06/11 23:02
212	T2.040611.230610	L11030907-36	1972-G0064	1.049/50	1		04/06/11 23:06
213	T2.040611.231003	WG361002-47	CCV		1		04/06/11 23:10
214	T2.040611.231326	WG361002-48	CCB		1		04/06/11 23:13
215	T2.040611.231707	L11030907-37	1972-G0065	1.037/50	1		04/06/11 23:17
216	T2.040611.232044	L11030907-38	1972-G0066	1.046/50	1		04/06/11 23:20
217	T2.040611.232429	L11030907-39	1972-G0067	1.021/50	1		04/06/11 23:24
218	T2.040611.232806	L11030907-40	1972-G0068	1.005/50	1		04/06/11 23:28
219	T2.040611.233152	WG360471-01	Reference Sample		1	L11030907-41	04/06/11 23:31
220	T2.040611.233521	WG360471-04	Matrix Spike	1.039/50	1	L11030907-41	04/06/11 23:35
221	T2.040611.233851	WG360471-05	Matrix Spike Duplica	1.039/50	1	L11030907-41	04/06/11 23:38
222	T2.040611.234226	WG361002-49	CCV		1		04/06/11 23:42
223	T2.040611.234548	WG361002-50	CCB		1		04/06/11 23:45
224	T2.040611.234928	WG360473-02	Method/Prep Blank	1/50	1		04/06/11 23:49
225	T2.040611.235304	WG360473-03	Laboratory Control S	1/50	1		04/06/11 23:53
226	T2.040611.235638	L11030907-42	1977-C0002	1.045/50	1		04/06/11 23:56
227	T2.040711.000015	WG360991-01	Post Digestion Spike		1	L11030907-42	04/07/11 00:00
228	T2.040711.000350	L11030907-42	1977-C0002	1.045/50	5		04/07/11 00:03
229	T2.040711.000715	WG360991-02	Serial Dilution		25	L11030907-42	04/07/11 00:07
230	T2.040711.001044	WG360473-01	Reference Sample		1	L11030907-43	04/07/11 00:10
231	T2.040711.001420	WG360473-04	Matrix Spike	1.019/50	1	L11030907-43	04/07/11 00:14
232	T2.040711.001757	WG360473-05	Matrix Spike Duplica	1.019/50	1	L11030907-43	04/07/11 00:17
233	T2.040711.002134	L11030907-46	1977-C0004	1.047/50	1		04/07/11 00:21
234	T2.040711.002518	WG361002-51	CCV		1		04/07/11 00:25
235	T2.040711.002841	WG361002-52	CCB		1		04/07/11 00:28
236	T2.040711.003218	L11030907-47	1977-C0005	1.032/50	1		04/07/11 00:32
237	T2.040711.003555	L11030907-48	1977-C0006	1.031/50	1		04/07/11 00:35
238	T2.040711.003932	L11030908-01	1990-C0001	1.048/50	1		04/07/11 00:39

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Sheri L. Blalock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
239	T2.040711.004309	L11030908-02	1990-C0002	1.031/50	1		04/07/11 00:43
240	T2.040711.004645	L11030908-03	1990-C0003	1.05/50	1		04/07/11 00:46
241	T2.040711.005017	L11030908-04	1990-C0004	1.027/50	1		04/07/11 00:50
242	T2.040711.005353	L11030908-05	1990-C0005	1.004/50	1		04/07/11 00:53
243	T2.040711.005721	L11030908-06	1990-C0006	1.004/50	1		04/07/11 00:57
244	T2.040711.010059	L11030908-07	2089-C0001	1.01/50	1		04/07/11 01:00
245	T2.040711.010435	L11030908-08	2089-C0002	1.023/50	1		04/07/11 01:04
246	T2.040711.010822	WG361002-53	CCV		1		04/07/11 01:08
247	T2.040711.011143	WG361002-54	CCB		1		04/07/11 01:11
248	T2.040711.011525	L11030908-09	2089-C0003	1.02/50	1		04/07/11 01:15
249	T2.040711.011901	L11030908-10	2089-C0004	1.049/50	1		04/07/11 01:19
250	T2.040711.012238	L11030908-14	2091-C0002	1.013/50	1		04/07/11 01:22
251	T2.040711.012614	L11030908-15	2091-C0003	1.004/50	1		04/07/11 01:26
252	T2.040711.012951	L11030908-16	2091-C0004	1.033/50	1		04/07/11 01:29
253	T2.040711.013328	L11030908-17	2091-C0005	1.031/50	1		04/07/11 01:33
254	T2.040711.013706	L11030908-18	2091-C0006	1.049/50	1		04/07/11 01:37
255	T2.040711.014049	WG361002-55	CCV		1		04/07/11 01:40
256	T2.040711.014411	WG361002-56	CCB		1		04/07/11 01:44

 Approved: April 07, 2011

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 06-APR-2011
Analyst: JYH
Analyst: NA
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 361002
Runlog ID: 39870
Analytical Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	
Level 4	861,906,859,078,179,180,907,908
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:

Secondary Reviewer:
07-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-07-2011 10:56:19

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6010B AAB#: WG360996

Login Number: L11040179

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-4411-SS-7.5-SW-	01	04/04/11					04/06/11	2.2	180		04/06/11	2.3	180	
SWMU-57-4411-SS-15-FC-N	02	04/04/11					04/06/11	2	180		04/06/11	2.1	180	
SWMU-57-4411-SS-15-FC-N	03	04/04/11					04/06/11	1.9	180		04/06/11	2.1	180	
SWMU-57-4511-SS-7.5-SW-	04	04/05/11					04/06/11	1	180		04/06/11	1.1	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1967232
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11040179
Work Group: WG360996
Blank File ID: T2.040611.152452
Blank Sample ID: WG360981-02
Prep Date: 04/06/11 13:21
Instrument ID: ICP-THERMO2
Analyzed Date: 04/06/11 15:24
Method: 6010B
Analyst: JYH

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360981-03	T2.040611.152827	04/06/11 15:28	01
SWMU-57-4411-SS-7.5-SW-11	L11040179-01	T2.040611.161400	04/06/11 16:14	01
SWMU-57-4411-SS-15-FC-NUM9	L11040179-02	T2.040611.161728	04/06/11 16:17	01
SWMU-57-4411-SS-15-FC-NUM10	L11040179-03	T2.040611.162056	04/06/11 16:20	01
SWMU-57-4511-SS-7.5-SW-12	L11040179-04	T2.040611.162424	04/06/11 16:24	01

Report Name: BLANK_SUMMARY
PDF File ID: 1967233
Report generated 04/07/2011 09:38

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040179 Prep Date: 04/06/11 13:21 Sample ID: WG360981-02
Instrument ID: ICP-THERMO2 Run Date: 04/06/11 15:24 Prep Method: 3051A
File ID: T2.040611.152452 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360996 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ICP-TH-06-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	10.0	20.0	10.0	1	U
Antimony, Total	0.500	1.00	0.500	1	U
Iron, Total	1.50	3.00	1.50	1	U
Manganese, Total	0.250	0.500	0.250	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1967234
07-APR-2011 09:38

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG360981-03
Instrument ID: ICP-THERMO2 Run Time: 15:28 Prep Method: 3051A
File ID: T2.040611.152827 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360996 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-06-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	250	236	94.5	80 - 120	
Antimony, Total	30.0	29.9	99.6	80 - 120	
Iron, Total	100	96.0	96.0	80 - 120	
Manganese, Total	12.5	12.5	99.9	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1967235
Report generated: 04/07/2011 09:38

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11040179 Cal ID:ICP-THERMO2- Worknum:WG360996
Instrument ID:ICP-THERMO2 Contract #: Method:6010B
Parent ID:WG360981-01 File ID:T2.040611.154234 Dil:1 Matrix:SOLID
Sample ID:WG360981-04 MS File ID:T2.040611.154601 Dil:1 Units:mg/kg
Sample ID:WG360981-05 MSD File ID:T2.040611.154927 Dil:1 Percent Solid:78.4

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	15500	243	16200	275	243	15800	110	2.50	80 - 120	20	*
Antimony, Total	ND	29.2	24.8	85.2	29.2	25.4	87.2	2.33	80 - 120	20	
Iron, Total	32100	97.2	31000	-1140	97.2	30800	-1310	0.512	80 - 120	20	*
Manganese, Total	542	12.1	889	2860	12.1	1410	7120	45.1	80 - 120	20	*#

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008
PDF File ID:1967236
Report generated 04/07/2011 11:05

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040179 **Worknum:** WG360996
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360996-02 **File ID:** T2.040611.155628 **Dil:** 5 **Units:** mg/L
Sample: L11040180-01 **File ID:** T2.040611.154234 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	319		335		5.02	
Antimony	ND	U	ND	U		
Iron	661		720		8.93	
Manganese	11.1		12		8.11	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1967230
04/07/2011 09:38

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040179 **Worknum:** WG360996
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG360996-01 **File ID:** T2.040611.155302 **Dil:** 1 **Units:** mg/L
Sample ID: L11040180-01 **File ID:** T2.040611.154234 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	287		319		5	-11.9	75 - 125	N
ANTIMONY	0.571		0	U	.6	95.2	75 - 125	
IRON	592		661		2	-159.6	75 - 125	N
MANGANESE	10.3		11.1		.25	95.2	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1967231
Report generated: 04/07/2011 09:38

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040179**	Workgroup (AAB#):	**WG360996**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG361002**	Initial Calibration Date:	**06-APR-2011 10:51**

	WG361002-01		WG361002-02		WG361002-03		WG361002-04		WG361002-05			
	Conc	**INT**	**Conc**	**INT**	**Conc**	**INT**	**Conc**	**INT**	**Conc**	**INT**	**R**	**Q**
ALUMINUM	0	0.000910	.1	0.00218	.2	0.00372	10	0.135	20	0.269	.999986	
ANTIMONY	0	0.000130	.012	0.000610	.024	0.00103	1.2	0.0420	2.4	0.0846	.999938	
IRON	0	0.0000100	.04	0.00166	.08	0.00338	4	0.165	8	0.327	.999994	
MANGANESE	0	0.000550	.005	0.00280	.01	0.00482	.5	0.208	1	0.412	.999977	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1967239
Report generated: 07-APR-2011 08:16

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-07
Instrument ID: ICP-THERMO2 Run Time: 10:58 Method: 6010B
File ID: T2.040611.105839 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360996 Cal ID: ICP-THERI - 06-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
IRON	.03	.06	.03	U
MANGANESE	.005	.01	.005	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1967241
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-11
Instrument ID: ICP-THERMO2 Run Time: 11:12 Method: 6010B
File ID: T2.040611.111226 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967244
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-23
Instrument ID: ICP-THERMO2 Run Time: 15:21 Method: 6010B
File ID: T2.040611.152114 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967244
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-26

Instrument ID: ICP-THERMO2 Run Time: 16:03 Method: 6010B

File ID: T2.040611.160315 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967244
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-28

Instrument ID: ICP-THERMO2 Run Time: 16:38 Method: 6010B

File ID: T2.040611.163830 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967244
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-06

Instrument ID: ICP-THERMO2 Run Time: 10:55 Method: 6010B

File ID: T2.040611.105517 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.1	101	90 - 110	
Antimony		1.2	1.22	102	90 - 110	
Iron		4	4.04	101	90 - 110	
Manganese		.5	0.508	102	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1967240

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-10

Instrument ID: ICP-THERMO2 Run Time: 11:09 Method: 6010B

File ID: T2.040611.110905 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.1	mg/L	101	90 - 110		
Antimony		1.20	1.24	mg/L	103	90 - 110		
Iron		4.00	4.04	mg/L	101	90 - 110		
Manganese		0.500	0.507	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967243

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-22

Instrument ID: ICP-THERMO2 Run Time: 15:17 Method: 6010B

File ID: T2.040611.151754 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.71	mg/L	97.1	90 - 110		
Antimony		1.20	1.28	mg/L	107	90 - 110		
Iron		4.00	3.96	mg/L	99.0	90 - 110		
Manganese		0.500	0.506	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967243

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-25

Instrument ID: ICP-THERMO2 Run Time: 15:59 Method: 6010B

File ID: T2.040611.155953 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.51	mg/L	95.1	90 - 110		
Antimony		1.20	1.30	mg/L	109	90 - 110		
Iron		4.00	3.88	mg/L	96.9	90 - 110		
Manganese		0.500	0.507	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967243

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361002-27

Instrument ID: ICP-THERMO2 Run Time: 16:35 Method: 6010B

File ID: T2.040611.163508 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.55	mg/L	95.5	90 - 110		
Antimony		1.20	1.32	mg/L	110	90 - 110		
Iron		4.00	3.94	mg/L	98.6	90 - 110		
Manganese		0.500	0.510	mg/L	102	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967243

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040179 **Workgroup (AAB#):** WG360996
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG361002-08 **File ID:** T2.040611.110215 **Units:** mg/L
Sol. AB : WG361002-09 **File ID:** T2.040611.110539 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	256	102	250	245	98.0	
Antimony	NS	-0.00165	NS	0.500	0.513	103	
Iron	100	100	100	100	95.6	95.6	
Manganese	NS	-0.00143	NS	0.250	0.247	98.8	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

ICS - Modified 03/06/2008
PDF File ID: 1967242
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040179 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.0000210	0	0	0	0
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00190	0	-0.000140	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	224.70	0	0	0	0	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000335	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	-0.000750	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	-0.0000300	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	-0.0000120	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0
ZINC	206.20	0.0000420	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967238
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040179 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.000820	0	0	0
ANTIMONY	206.80	0	0	0.00950	0	0.0000560
ARSENIC	189.00	0	0	0.000490	0	-0.0000120
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00343	0	0	-0.000619
CADMIUM	228.80	0	-0.00200	0	0	-0.00000800
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000530
COBALT	228.60	0	0	0.000108	0	0
COPPER	224.70	0	0.0000770	0	0	0.000196
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	-0.0000930	-0.000172	0.000809	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	-0.0000920	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000100	0	0	0.0000320
PHOSPHORUS	214.90	0	0	0	0.00200	0.00120
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0.0000570	0	0	0	0
THALLIUM	190.80	0	0.00397	0.000276	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	-0.00000200
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	-0.0000300

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967238
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040179 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	LI	MG	MN	MO	NA
ALUMINUM	308.20	0	0	0	0.0153	0
ANTIMONY	206.80	0	0	0	0.000670	0
ARSENIC	189.00	0	0	0	0.00109	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.00169	0
CADMIUM	228.80	0	0	0	0.0000220	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0.000160	0	0
COBALT	228.60	0	0	0	-0.000983	0
COPPER	224.70	0	0	0	0.00274	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	0	0	-0.00183	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	-0.00190	-0.0110	0
MANGANESE	257.60	0	0.00000900	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0.00800	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0.000156	0
SILICON	212.40	0	0	0	0.0187	0
SILVER	328.00	0	0	0	-0.0000440	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	-0.000153	0
VANADIUM	292.40	0	0	0	-0.00778	0
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967238
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040179 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	NI	SB	SN	SR	TI
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0	0	-0.00840	0	-0.000990
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	-0.000128	0	0	0	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000550
COBALT	228.60	0.000175	0	0	0	0.00188
COPPER	224.70	-0.0120	0	0	0	0.000269
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000110	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	-0.00290
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	-0.00620
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	-0.00170
TIN	189.90	0	0	0	0	-0.00220
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0.000824
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967238
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040179 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	V	ZN	ZR
ALUMINUM	308.20	0.00300	0	0
ANTIMONY	206.80	-0.00438	0	0
ARSENIC	189.00	0.000107	0	0
BARIUM	455.40	0	0	0
BERYLLIUM	313.00	0	0	0
BORON	249.70	0	0	0
CADMIUM	228.80	0.0000820	0	0
CALCIUM	422.70	0	0	0
CHROMIUM	267.70	0	0	
COBALT	228.60	0.0000200	0	0
COPPER	224.70	0	0	
IRON	261.20	0	0	0
LEAD	220.30	-0.000126	0	0
LITHIUM	670.80	0	0	0
MAGNESIUM	279.10	0	0	0
MANGANESE	257.60	0	0	0
MOLYBDENUM	202.03	-0.000110	0	0
NICKEL	231.60	0	0	0
PHOSPHORUS	214.90	-0.00500	0	0.00200
POTASSIUM	766.40	0	0	0
SELENIUM	196.00	0	0	0
SILICON	212.40	0	0	0
SILVER	328.00	-0.00617	0	0
SODIUM	589.50	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-0.0282	0	0
TIN	189.90	0	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0	0	
ZINC	206.20	0	0	0
ZIRCONIUM	339.20	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967238
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040179 **Date:** 12/13/2010
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	810.0
Antimony	10.00	90.0
Arsenic	10.00	90.0
Barium	10.00	90.0
Beryllium	15.00	4.5
Boron	10.00	90.0
Cadmium	10.00	16.2
Calcium	10.00	900.0
Chromium	10.00	81.0
Cobalt	10.00	90.0
Copper	10.00	180.0
Iron	5.00	900.0
Lead	10.00	180.0
Lithium	10.00	90.0
Magnesium	15.00	900.0
Manganese	15.00	180.0
Molybdenum	10.00	9.0
Nickel	10.00	90.0
Phosphorus	10.00	900.0
Potassium	10.00	315.0
Selenium	10.00	90.0
Silicon	10.00	90.0
Silver	5.00	9.0
Sodium	10.00	315.0
Strontium	10.00	4.5
Thallium	10.00	9.0
Tin	10.00	90.0
Titanium	15.00	90.0
Vanadium	10.00	90.0
Zinc	10.00	45.0
Zirconium	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1967237
Report generated: 04/07/2011 08:16

2.1.1.3 Raw Data

Sample Name: S0 Acquired: 4/6/2011 10:37:48 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00159**	**.00091**	**-.00018**	**.00220**	**.00665**	**-.00406**	**-.00139**
Stddev	.00005	.00012	.00002	.00016	.00032	.00009	.00014
%RSD	2.8401	13.197	13.777	7.0562	4.8457	2.2016	9.7949
#1	-.00163	.00084	-.00018	.00204	.00634	-.00405	-.00150
#2	-.00159	.00083	-.00020	.00221	.00663	-.00416	-.00124
#3	-.00154	.00105	-.00015	.00235	.00699	-.00398	-.00144

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00013**	**-.00026**	**-.00014**	**.00038**	**.00001**	**-.00126**	**-.00311**
Stddev	.00000	.00001	.00022	.00004	.00004	.00017	.00019
%RSD	1.5951	2.2547	156.37	9.5147	271.91	13.341	6.1253
#1	.00013	-.00027	-.00038	.00038	.00005	-.00111	-.00324
#2	.00013	-.00027	-.00010	.00034	-.00002	-.00122	-.00319
#3	.00014	-.00026	.00005	.00042	.00001	-.00144	-.00289

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00009**	**.00055**	**.00006**	**-.00853**	**-.00045**	**.00023**	**-.00037**
Stddev	.00012	.00003	.00003	.00034	.00002	.00003	.00005
%RSD	135.68	5.6160	42.022	3.9336	3.3523	14.966	12.420
#1	-.00001	.00052	.00007	-.00820	-.00045	.00021	-.00033
#2	-.00022	.00057	.00004	-.00887	-.00045	.00021	-.00036
#3	-.00002	.00057	.00009	-.00851	-.00047	.00027	-.00042

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01354**	**.00046**	**.00038**	**.00013**	**-.00022**	**.00116**	**.00002**
Stddev	.00034	.00001	.00001	.00003	.00001	.00001	.00002
%RSD	2.5020	2.1310	2.3153	26.283	5.4322	1.2781	153.48
#1	-.01340	.00047	.00037	.00015	-.00020	.00115	.00004
#2	-.01331	.00046	.00039	.00009	-.00023	.00118	.00001
#3	-.01393	.00046	.00039	.00014	-.00022	.00115	.00000

Approved: April 07, 2011

Sample Name: S0 Acquired: 4/6/2011 10:37:48 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00160**	**-.00137**	**-.00014**	**.00079**	**.00039**	**-.00198**
Stddev	.00029	.00021	.00003	.00024	.00002	.00014
%RSD	17.874	15.616	22.314	31.009	4.0975	7.1307
#1	.00129	-.00117	-.00017	.00055	.00041	-.00192
#2	.00186	-.00135	-.00011	.00104	.00037	-.00214
#3	.00166	-.00159	-.00016	.00077	.00039	-.00188

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32876.**	**24954.**
Stddev	119.	93.
%RSD	.36115	.37450
#1	32919.	25062.
#2	32968.	24892.
#3	32742.	24909.

Approved: April 07, 2011

Sample Name: S1 Acquired: 4/6/2011 10:41:24 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00034**	**.00218**	**.02602**	**.00025**	**.00211**	**.00047**	**.00056**
Stddev	.00051	.00019	.00023	.00023	.00005	.00002	.00002
%RSD	147.65	8.6518	.88863	91.070	2.4294	3.8049	2.9098
#1	.00001	.00239	.02614	.00049	.00216	.00049	.00056
#2	.00093	.00202	.02616	.00024	.00212	.00048	.00058
#3	.00009	.00213	.02575	.00003	.00206	.00045	.00055

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00304**	**.00116**	**.00166**	**.00903**	**.00112**	**.00126**	**.00280**
Stddev	.00011	.00003	.00011	.00028	.00052	.00011	.00006
%RSD	3.6404	2.8122	6.3430	3.0613	45.979	8.9770	2.0994
#1	.00294	.00115	.00175	.00871	.00153	.00113	.00284
#2	.00316	.00120	.00168	.00915	.00129	.00129	.00283
#3	.00301	.00114	.00154	.00923	.00054	.00135	.00273

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00183**	**.02824**	**.00018**	**.00173**	**-.00006**	**-.01339**	**.00052**
Stddev	.00001	.00007	.00004	.00001	.00002	.00028	.00002
%RSD	.49562	.24793	19.446	.59227	36.855	2.1053	2.8909
#1	.00182	.02829	.00014	.00173	-.00008	-.01343	.00054
#2	.00184	.02816	.00019	.00172	-.00005	-.01365	.00052
#3	.00183	.02827	.00021	.00174	-.00004	-.01309	.00051

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00039**	**.00061**	**.00295**	**.00118**	**.03581**	**.00125**	**.01080**
Stddev	.00000	.00001	.00003	.00002	.00036	.00029	.00008
%RSD	.73386	1.0901	.87206	1.6903	1.0038	23.118	.72017
#1	.00039	.00061	.00293	.00116	.03620	.00092	.01074
#2	.00039	.00062	.00298	.00120	.03574	.00138	.01089
#3	.00038	.00061	.00294	.00117	.03549	.00144	.01077

Approved: April 07, 2011

Sample Name: S1 Acquired: 4/6/2011 10:41:24 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00662**	**.02125**
Stddev	.00005	.00030
%RSD	.72077	1.4250
#1	.00658	.02118
#2	.00667	.02158
#3	.00662	.02099

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33223.**	**25309.**
Stddev	174.	250.
%RSD	.52465	.98647
#1	33077.	25038.
#2	33177.	25530.
#3	33416.	25359.

Approved: April 07, 2011

Sample Name: S2 Acquired: 4/6/2011 10:44:58 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00249**	**.00372**	**.00009**	**.00474**	**.04523**	**.00464**	**.00611**
Stddev	.00025	.00016	.00004	.00027	.00055	.00025	.00028
%RSD	10.104	4.3432	41.342	5.6131	1.2161	5.4468	4.5494
#1	.00228	.00382	.00005	.00444	.04571	.00489	.00579
#2	.00277	.00380	.00008	.00492	.04535	.00464	.00630
#3	.00242	.00353	.00012	.00488	.04463	.00439	.00625

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00085**	**.00151**	**.00594**	**.00193**	**.00338**	**.01918**	**.00497**
Stddev	.00009	.00006	.00023	.00008	.00003	.00031	.00046
%RSD	10.787	3.6560	3.9320	4.2895	.89713	1.5966	9.2530
#1	.00093	.00147	.00568	.00197	.00338	.01927	.00458
#2	.00075	.00148	.00613	.00199	.00340	.01943	.00485
#3	.00086	.00157	.00601	.00183	.00334	.01884	.00548

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00257**	**.00482**	**.00358**	**.06455**	**.00078**	**.00329**	**.00030**
Stddev	.00004	.00008	.00001	.00049	.00004	.00003	.00007
%RSD	1.5529	1.6600	.27354	.76390	4.6564	.91372	21.864
#1	.00260	.00486	.00359	.06441	.00075	.00331	.00028
#2	.00252	.00472	.00357	.06510	.00082	.00326	.00025
#3	.00258	.00486	.00359	.06414	.00078	.00330	.00037

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01369**	**.00060**	**.00040**	**.00103**	**-.00006**	**.00488**	**.00232**
Stddev	.00035	.00002	.00001	.00007	.00003	.00002	.00002
%RSD	2.5912	2.8081	2.9256	6.6431	51.643	.32344	.66939
#1	-.01355	.00059	.00041	.00109	-.00007	.00489	.00230
#2	-.01343	.00062	.00041	.00105	-.00008	.00488	.00232
#3	-.01409	.00059	.00039	.00096	-.00002	.00486	.00233

Approved: April 07, 2011

Sample Name: S2 Acquired: 4/6/2011 10:44:58 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06909**	**.00333**	**.00015**	**.02104**	**.01284**	**.04462**
Stddev	.00037	.00019	.00003	.00044	.00005	.00030
%RSD	.53911	5.6882	18.301	2.0979	.39822	.68178
#1	.06895	.00321	.00015	.02139	.01290	.04470
#2	.06881	.00355	.00019	.02119	.01283	.04488
#3	.06951	.00323	.00013	.02055	.01280	.04429

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33064.**	**24793.**
Stddev	43.	74.
%RSD	.12998	.30010
#1	33025.	24811.
#2	33057.	24711.
#3	33110.	24857.

Approved: April 07, 2011

Sample Name: S3 Acquired: 4/6/2011 10:48:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18736**	**.13538**	**.01351**	**.12994**	**1.8954**	**.42426**	**.35357**
Stddev	.00298	.00057	.00027	.00259	.0041	.00766	.00168
%RSD	1.5916	.41759	2.0114	1.9908	.21542	1.8054	.47539
#1	.18853	.13568	.01367	.13174	1.8992	.42938	.35378
#2	.18958	.13573	.01367	.13111	1.8959	.42794	.35514
#3	.18397	.13473	.01320	.12698	1.8911	.41545	.35180

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03410**	**.08354**	**.28803**	**.07496**	**.16463**	**1.0020**	**.38757**
Stddev	.00074	.00175	.00582	.00164	.00046	.0043	.00083
%RSD	2.1588	2.0907	2.0220	2.1924	.27687	.43112	.21487
#1	.03451	.08437	.29301	.07581	.16504	1.0018	.38789
#2	.03455	.08472	.28945	.07600	.16471	1.0064	.38820
#3	.03325	.08154	.28162	.07306	.16414	.99774	.38663

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.11662**	**.20776**	**.16994**	**3.5746**	**.05805**	**.15220**	**.03596**
Stddev	.00030	.00035	.00347	.0182	.00124	.00325	.00075
%RSD	.25541	.16683	2.0434	.50856	2.1329	2.1344	2.0932
#1	.11654	.20791	.17212	3.5750	.05874	.15404	.03643
#2	.11696	.20800	.17176	3.5926	.05878	.15412	.03636
#3	.11638	.20736	.16593	3.5562	.05662	.14845	.03509

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01291**	**.00700**	**.00035**	**.04201**	**.00730**	**.18188**	**.10889**
Stddev	.00011	.00013	.00001	.00076	.00015	.00324	.00240
%RSD	.86013	1.9178	4.1391	1.8086	2.0947	1.7791	2.2068
#1	-.01296	.00707	.00034	.04246	.00740	.18347	.11011
#2	-.01300	.00709	.00036	.04244	.00737	.18403	.11044
#3	-.01279	.00684	.00034	.04113	.00712	.17816	.10612

Approved: April 07, 2011

Sample Name: S3 Acquired: 4/6/2011 10:48:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.2794**	**.23673**	**.01312**	**1.0018**	**.59890**	**2.2879**
Stddev	.0145	.00046	.00023	.0171	.01394	.0395
%RSD	.44224	.19608	1.7509	1.7059	2.3271	1.7269
#1	3.2773	.23628	.01323	1.0115	.60753	2.3179
#2	3.2948	.23721	.01327	1.0118	.60635	2.3028
#3	3.2661	.23671	.01286	.98204	.58283	2.2431

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32681.**	**25581.**
Stddev	571.	187.
%RSD	1.7477	.72925
#1	32333.	25431.
#2	32370.	25522.
#3	33340.	25790.

Approved: April 07, 2011

Sample Name: S4 Acquired: 4/6/2011 10:51:51 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.37521**	**.26870**	**.02774**	**.26054**	**3.7951**	**.86760**	**.70668**
Stddev	.00285	.00196	.00013	.00136	.0110	.00733	.00317
%RSD	.76089	.72900	.45640	.52086	.28964	.84505	.44916
#1	.37281	.26836	.02762	.25903	3.7924	.86014	.70712
#2	.37446	.27081	.02773	.26093	3.8072	.86785	.70961
#3	.37836	.26694	.02788	.26165	3.7857	.87479	.70331

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06890**	**.16726**	**.57874**	**.14984**	**.32737**	**2.0083**	**.77864**
Stddev	.00038	.00110	.00519	.00105	.00090	.0075	.00191
%RSD	.55577	.65521	.89604	.69752	.27397	.37210	.24491
#1	.06850	.16623	.57313	.14874	.32665	2.0064	.77852
#2	.06892	.16712	.57974	.14994	.32837	2.0166	.78060
#3	.06927	.16841	.58335	.15083	.32708	2.0020	.77679

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22998**	**.41180**	**.34382**	**7.1179**	**.11637**	**.31087**	**.07164**
Stddev	.00049	.00116	.00258	.0325	.00081	.00189	.00044
%RSD	.21167	.28241	.75150	.45609	.69342	.60730	.61742
#1	.22953	.41054	.34304	7.1130	.11568	.30957	.07134
#2	.23050	.41282	.34172	7.1525	.11617	.31001	.07144
#3	.22992	.41204	.34671	7.0881	.11725	.31304	.07215

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01278**	**.01337**	**.00031**	**.08458**	**.01504**	**.36566**	**.21813**
Stddev	.00030	.00009	.00003	.00048	.00011	.00200	.00134
%RSD	2.3151	.68459	9.9311	.57063	.73663	.54623	.61514
#1	-.01260	.01332	.00027	.08426	.01492	.36436	.21719
#2	-.01312	.01331	.00034	.08434	.01509	.36465	.21753
#3	-.01261	.01347	.00031	.08513	.01512	.36796	.21967

Approved: April 07, 2011

Sample Name: S4 Acquired: 4/6/2011 10:51:51 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.5677**	**.47472**	**.02589**	**2.0132**	**1.2115**	**4.6484**
Stddev	.0278	.00168	.00011	.0146	.0083	.0352
%RSD	.42340	.35351	.43019	.72262	.68693	.75648
#1	6.5701	.47372	.02576	1.9999	1.2049	4.6103
#2	6.5942	.47665	.02594	2.0111	1.2088	4.6554
#3	6.5388	.47377	.02597	2.0287	1.2208	4.6796

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31962.**	**25764.**
Stddev	190.	107.
%RSD	.59476	.41545
#1	32168.	25854.
#2	31925.	25646.
#3	31794.	25793.

Approved: April 07, 2011

Sample Name: ICV Acquired: 4/6/2011 10:55:17 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39827**	**10.131**	**.40145**	**.50845**	**1.0081**	**.05014**	**10.114**
Stddev	.00222	.136	.00024	.00156	.0116	.00032	.115
%RSD	.55697	1.3432	.06019	.30600	1.1539	.63557	1.1401
#1	.39768	9.9743	.40158	.50960	.99469	.05019	9.9805
#2	.40073	10.211	.40117	.50908	1.0136	.05043	10.179
#3	.39641	10.209	.40159	.50668	1.0159	.04980	10.181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05057**	**.20388**	**.50710**	**.51022**	**4.0362**	**50.687**	**1.0140**
Stddev	.00007	.00057	.00250	.00073	.0477	.613	.0143
%RSD	.13354	.27758	.49392	.14361	1.1825	1.2084	1.4113
#1	.05058	.20353	.50919	.50956	3.9824	49.983	.99757
#2	.05050	.20359	.50780	.51100	4.0527	50.984	1.0202
#3	.05064	.20454	.50432	.51009	4.0735	51.094	1.0240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.133**	**.50823**	**1.0194**	**50.838**	**.51183**	F **-.00048**	**.51731**
Stddev	.148	.00748	.0015	.667	.00109	.00039	.00049
%RSD	1.4651	1.4725	.15110	1.3129	.21313	80.021	.09515
#1	9.9620	.49965	1.0178	50.068	.51065	-.00029	.51713
#2	10.212	.51342	1.0195	51.262	.51204	-.00093	.51693
#3	10.226	.51161	1.0209	51.183	.51280	-.00024	.51786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-5.0000%	

Approved: April 07, 2011

Sample Name: ICV Acquired: 4/6/2011 10:55:17 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.811**	**10.322**	F **21.890**	**1.2242**	**.40527**	**5.1081**	**1.0204**
Stddev	16.046	.064	3.558	.0040	.00050	.0094	.0020
%RSD	95.448	.61707	16.253	.32871	.12439	.18435	.19298
#1	-1.6784	10.352	22.951	1.2217	.40473	5.1029	1.0198
#2	25.019	10.248	24.797	1.2220	.40535	5.1024	1.0188
#3	27.092	10.365	17.923	1.2289	.40573	5.1189	1.0226
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	5.0000%		5.0000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0140**	**1.0127**	**.51788**	**1.0141**	**1.0185**	F **.00104**
Stddev	.0143	.0136	.00147	.0062	.0011	.00004
%RSD	1.4083	1.3425	.28322	.61121	.10581	4.1068
#1	.99776	.99698	.51624	1.0136	1.0179	.00099
#2	1.0245	1.0209	.51907	1.0206	1.0179	.00107
#3	1.0198	1.0201	.51834	1.0082	1.0197	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-5.0000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32615.**	**25980.**
Stddev	37.	223.
%RSD	.11386	.85937
#1	32572.	26163.
#2	32636.	26046.
#3	32636.	25731.

Approved: April 07, 2011

Sample Name: ICB Acquired: 4/6/2011 10:58:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.01013**	**.00005**	**.00072**	**.00008**	**.00001**	**.00161**
Stddev	.00044	.00283	.00077	.00099	.00009	.00002	.00218
%RSD	114.92	27.952	1653.4	137.90	111.41	161.53	135.70
#1	.00084	-.00716	-.00069	.00146	.00013	.00001	.00221
#2	-.00004	-.01042	-.00002	-.00041	.00013	.00003	-.00081
#3	.00036	-.01281	.00085	.00111	-.00002	.00000	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00003**	**-.00040**	**-.00038**	**.00010**	**.11300**	**.00057**
Stddev	.00008	.00010	.00035	.00025	.00138	.03842	.00170
%RSD	259.54	373.67	89.345	64.958	1396.1	33.997	299.21
#1	.00002	-.00010	-.00014	-.00052	.00107	.15316	.00227
#2	.00001	.00008	-.00080	-.00010	-.00148	.07660	-.00112
#3	-.00012	-.00005	-.00024	-.00053	.00071	.10922	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**.00000**	**.00003**	**.00293**	**.00020**	**-.00352**	**-.00096**
Stddev	.00631	.00028	.00016	.00606	.00003	.00017	.00103
%RSD	209.38	10437.	457.38	207.06	14.785	4.9204	107.63
#1	-.00406	-.00030	.00002	.00752	.00021	-.00332	-.00122
#2	.00503	.00003	.00020	.00520	.00023	-.00362	.00018
#3	.00807	.00027	-.00012	-.00394	.00017	-.00363	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: ICB Acquired: 4/6/2011 10:58:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.056**	**-.00817**	F **2.7541**	**.00036**	**.00164**	**.00090**	**-.00014**
Stddev	3.473	.03305	3.3591	.00006	.00124	.00104	.00018
%RSD	28.807	404.32	121.97	18.160	75.187	115.54	125.91
#1	14.814	.02473	2.3094	.00030	.00049	.00034	-.00026
#2	13.199	-.04137	-.36046	.00035	.00295	.00211	-.00023
#3	8.1558	-.00788	6.3135	.00042	.00149	.00026	.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0400		1.0400				
Low Limit	-1.2000		-1.0400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00006**	**.00008**	**-.00014**	**.00068**	**.00000**
Stddev	.00002	.00064	.00096	.00004	.00008	.0001
%RSD	31.824	1055.8	1156.0	26.082	12.140	1825.5
#1	.00006	.00055	.00099	-.00011	.00077	-.00002
#2	.00011	-.00002	-.00092	-.00012	.00064	-.00007
#3	.00006	-.00072	.00018	-.00018	.00062	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33239.**	**25601.**
Stddev	65.	118.
%RSD	.19565	.46027
#1	33167.	25479.
#2	33293.	25715.
#3	33258.	25609.

Approved: April 07, 2011

Sample Name: ICSA Acquired: 4/6/2011 11:02:15 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**255.71**	**-.00278**	**.04908**	**.00099**	**.00000**	**249.32**
Stddev	.00040	1.54	.00016	.00071	.00011	.0000	1.19
%RSD	290.99	.60125	5.8735	1.4511	10.958	395.71	.47600
#1	-.00049	254.86	-.00295	.04835	.00111	-.00002	248.57
#2	-.00022	257.48	-.00279	.04912	.00094	.00001	250.68
#3	.00030	254.78	-.00262	.04978	.00091	.00000	248.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00125**	**.00010**	**-.00186**	**.00369**	**100.04**	**.08552**	**.01366**
Stddev	.00002	.00011	.00010	.00032	.29	.03995	.00120
%RSD	1.8188	111.10	5.3422	8.6147	.28589	46.715	8.7880
#1	.00124	.00022	-.00178	.00335	100.04	.05771	.01249
#2	.00124	.00008	-.00197	.00398	100.32	.13130	.01489
#3	.00128	.00000	-.00184	.00374	99.751	.06756	.01360
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050						
Low Limit	-.00050						

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**255.89**	**-.00143**	**-.00061**	**.03565**	**-.00096**	**-.01567**	**-.00285**
Stddev	.60	.00041	.00024	.00718	.00037	.00771	.00047
%RSD	.23401	28.886	39.065	20.130	38.902	49.197	16.590
#1	255.94	-.00097	-.00080	.03488	-.00094	-.02144	-.00264
#2	256.47	-.00177	-.00069	.04318	-.00135	-.01865	-.00339
#3	255.28	-.00154	-.00034	.02889	-.00060	-.00691	-.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: ICSA Acquired: 4/6/2011 11:02:15 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **28.035**	F **239.50**	F **-31.832**	**-.00165**	**-.00312**	**.02607**	**.00065**
Stddev	7.330	1.09	7.009	.00151	.00258	.00074	.00017
%RSD	26.146	.45335	22.019	92.016	82.678	2.8462	25.874
#1	19.572	238.43	-38.524	-.00119	-.00031	.02554	.00073
#2	32.361	240.60	-32.427	-.00041	-.00368	.02692	.00077
#3	32.173	239.48	-24.544	-.00334	-.00537	.02576	.00046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00738**	**-.00084**	**-.00183**	**-.00697**	**-.00080**
Stddev	.00005	.00034	.00115	.00025	.00012	.00010
%RSD	95.512	4.5720	137.07	13.557	1.7857	12.106
#1	.00003	-.00713	-.00192	-.00162	-.00683	-.00069
#2	.00002	-.00776	.00037	-.00210	-.00705	-.00085
#3	.00012	-.00724	-.00097	-.00177	-.00703	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30547.**	**25593.**
Stddev	127.	78.
%RSD	.41569	.30292
#1	30693.	25534.
#2	30489.	25563.
#3	30459.	25681.

Approved: April 07, 2011

Sample Name: ICSAB Acquired: 4/6/2011 11:05:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50416**	**244.50**	**.25070**	**.04301**	**.25084**	**.26898**	**238.65**
Stddev	.00100	2.01	.00149	.00081	.00170	.00141	1.70
%RSD	.19759	.82385	.59553	1.8758	.67605	.52517	.71044
#1	.50492	246.75	.25103	.04388	.25279	.27028	240.59
#2	.50303	242.85	.25199	.04229	.24993	.26748	237.46
#3	.50452	243.91	.24907	.04285	.24979	.26919	237.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46023**	**.24851**	**.24833**	**.25350**	**95.599**	**5.2525**	**.01326**
Stddev	.00152	.00075	.00095	.00179	.550	.0419	.00126
%RSD	.32972	.30315	.38260	.70677	.57506	.79686	9.5066
#1	.46057	.24880	.24911	.25362	96.234	5.2949	.01242
#2	.46154	.24908	.24728	.25524	95.291	5.2112	.01471
#3	.45857	.24766	.24861	.25166	95.273	5.2515	.01266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**244.08**	**.24688**	**-.00021**	**5.1277**	**.49125**	**-.00983**	**.48859**
Stddev	.86	.00085	.00024	.0298	.00161	.00284	.00091
%RSD	.35209	.34555	114.05	.58167	.32833	28.894	.18584
#1	245.04	.24783	-.00047	5.1614	.49166	-.00683	.48777
#2	243.39	.24663	-.00001	5.1047	.49262	-.01018	.48957
#3	243.81	.24618	-.00015	5.1171	.48947	-.01248	.48844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: ICSAB Acquired: 4/6/2011 11:05:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **34.295**	F **228.16**	F **-33.018**	**.51290**	**.24464**	**.00188**	**-.00005**
Stddev	2.484	.32	7.115	.00240	.00072	.00143	.00010
%RSD	7.2420	.13962	21.548	.46838	.29372	76.066	210.59
#1	34.333	228.47	-39.083	.51551	.24382	.00131	-.00002
#2	31.793	228.18	-34.786	.51241	.24509	.00083	-.00015
#3	36.760	227.83	-25.186	.51078	.24503	.00351	.00004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00687**	**.45947**	**.24964**	**.47403**	**-.00073**
Stddev	.00002	.00026	.00033	.00045	.00105	.00007
%RSD	13.629	3.7604	.07190	.17909	.22194	10.163
#1	-.00017	-.00662	.45922	.25000	.47490	-.00066
#2	-.00015	-.00686	.45984	.24978	.47433	-.00080
#3	-.00013	-.00713	.45935	.24914	.47286	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30477.**	**25573.**
Stddev	93.	108.
%RSD	.30384	.42190
#1	30372.	25449.
#2	30515.	25628.
#3	30545.	25643.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:09:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39739**	**10.124**	**.40932**	**.50862**	**1.0017**	**.05032**	**10.110**
Stddev	.00395	.085	.00026	.00197	.0037	.00014	.068
%RSD	.99376	.84012	.06251	.38802	.37035	.28184	.67696
#1	.39448	10.026	.40905	.50886	.99746	.05024	10.036
#2	.39580	10.179	.40936	.50654	1.0039	.05023	10.121
#3	.40189	10.168	.40956	.51046	1.0038	.05048	10.172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05115**	**.20570**	**.50913**	**.51514**	**4.0432**	**50.438**	**1.0076**
Stddev	.00009	.00039	.00094	.00079	.0096	.353	.0034
%RSD	.18165	.18868	.18442	.15325	.23721	.70041	.33679
#1	.05123	.20615	.50860	.51601	4.0336	50.072	1.0037
#2	.05116	.20554	.50859	.51448	4.0432	50.464	1.0091
#3	.05105	.20543	.51022	.51492	4.0528	50.777	1.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.197**	**.50708**	**1.0158**	**50.681**	**.51366**	F **-.00184**	**.51938**
Stddev	.030	.00291	.0010	.470	.00082	.00148	.00192
%RSD	.29170	.57459	.09632	.92640	.16056	80.460	.36951
#1	10.177	.50372	1.0164	50.169	.51399	-.00109	.51716
#2	10.184	.50857	1.0164	50.783	.51426	-.00355	.52043
#3	10.232	.50894	1.0147	51.091	.51272	-.00089	.52054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:09:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.7598**	**10.425**	F **22.619**	**1.2367**	**.41252**	**5.1561**	**1.0246**
Stddev	4.6537	.024	12.132	.0011	.00255	.0030	.0012
%RSD	53.126	.23239	53.639	.08548	.61911	.05869	.12100
#1	6.5794	10.451	14.333	1.2361	.41014	5.1589	1.0255
#2	14.103	10.419	36.544	1.2360	.41220	5.1566	1.0251
#3	5.5965	10.404	16.979	1.2379	.41522	5.1529	1.0232
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0088**	**1.0085**	**.52255**	**1.0142**	**1.0177**	F **.00070**
Stddev	.0083	.0055	.00038	.0050	.0031	.00004
%RSD	.81939	.54428	.07267	.49644	.30819	5.2663
#1	.99932	1.0023	.52242	1.0127	1.0212	.00073
#2	1.0126	1.0110	.52225	1.0100	1.0150	.00070
#3	1.0145	1.0124	.52298	1.0198	1.0170	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32485.**	**25668.**
Stddev	86.	310.
%RSD	.26582	1.2091
#1	32395.	25778.
#2	32568.	25908.
#3	32492.	25317.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 11:12:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00741**	**-.00027**	**-.00009**	**.00006**	**.00003**	**.01766**
Stddev	.00070	.01412	.00056	.00033	.00002	.00002	.00227
%RSD	432.46	190.68	209.24	380.60	38.681	50.664	12.847
#1	.00064	-.00393	.00038	-.00034	.00009	.00005	.01736
#2	-.00064	.00465	-.00062	-.00022	.00004	.00004	.02007
#3	.00049	-.02295	-.00056	.00029	.00006	.00002	.01556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00001**	**-.00004**	**-.00038**	**.00303**	**.02862**	**-.00018**
Stddev	.00010	.00017	.00029	.00036	.00051	.00374	.00172
%RSD	373.06	1953.8	746.28	95.519	16.824	13.059	943.64
#1	-.00011	-.00003	.00021	-.00062	.00255	.03236	.00097
#2	.00008	-.00017	.00003	.00004	.00357	.02488	-.00216
#3	-.00005	.00017	-.00035	-.00056	.00298	.02863	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02185**	**-.00001**	**.00013**	**.01969**	**.00035**	**-.00079**	**-.00045**
Stddev	.00147	.00020	.00008	.00115	.00032	.00244	.00076
%RSD	6.7357	1529.6	61.712	5.8343	90.131	309.72	170.30
#1	.02170	.00011	.00017	.02101	.00024	.00193	-.00044
#2	.02339	-.00024	.00017	.01893	.00071	-.00152	-.00122
#3	.02046	.00010	.00004	.01912	.00010	-.00277	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 11:12:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.296**	**.00560**	F **5.3239**	**.00057**	**.00054**	**.00058**	**-.00002**
Stddev	5.874	.03626	3.1237	.00032	.00138	.00019	.00026
%RSD	36.049	647.47	58.673	55.147	255.30	33.252	1256.8
#1	17.732	-.02148	8.9046	.00052	.00209	.00067	-.00017
#2	9.8363	-.00852	3.1576	.00091	-.00055	.00072	-.00017
#3	21.319	.04680	3.9095	.00029	.00008	.00036	.00028
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00024**	**-.00020**	**-.00019**	**.00005**	**.00002**
Stddev	.00003	.00077	.00045	.00013	.00002	.00009
%RSD	13.718	319.87	230.39	66.947	44.436	389.39
#1	.00021	.00034	-.00047	-.00009	.00006	-.00001
#2	.00019	.00095	.00033	-.00015	.00002	-.00005
#3	.00016	-.00057	-.00044	-.00033	.00005	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33387.**	**25951.**
Stddev	61.	174.
%RSD	.18141	.67228
#1	33448.	26152.
#2	33388.	25854.
#3	33326.	25846.

Approved: April 07, 2011

Sample Name: PBS B3 Acquired: 4/6/2011 11:16:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.01223**	**-.00139**	**-.00064**	**.00157**	**.00004**	**.02970**
Stddev	.00053	.00496	.00081	.00018	.00006	.00001	.00393
%RSD	83.946	40.605	58.220	28.889	4.0785	15.381	13.231
#1	.00106	-.01741	-.00217	-.00075	.00165	.00005	.02516
#2	.00004	-.00752	-.00143	-.00073	.00153	.00004	.03206
#3	.00079	-.01174	-.00056	-.00042	.00155	.00003	.03188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00035**	**.00071**	**-.00001**	**.00916**	**.01918**	**.00057**
Stddev	.00006	.00007	.00026	.00032	.00208	.01006	.00097
%RSD	31.652	21.113	37.250	5737.1	22.767	52.444	169.08
#1	.00014	-.00029	.00070	.00003	.00881	.00852	.00091
#2	.00021	-.00043	.00045	.00030	.00726	.02053	.00134
#3	.00027	-.00034	.00097	-.00035	.01139	.02851	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01363**	**.00048**	**.00002**	**.01992**	**.00113**	F **-.00937**	**-.00029**
Stddev	.00997	.00029	.00018	.00424	.00015	.00193	.00051
%RSD	73.139	60.585	891.44	21.300	12.918	20.646	172.72
#1	.01344	.00017	.00010	.02392	.00097	-.01152	.00010
#2	.00376	.00052	.00015	.01547	.00117	-.00884	-.00086
#3	.02370	.00074	-.00019	.02036	.00125	-.00776	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS B3 Acquired: 4/6/2011 11:16:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.9826**	**.29560**	F **-60.214**	**.00218**	**.00209**	**.00595**	**.00002**
Stddev	8.3166	.00993	5.523	.00088	.00119	.00093	.00004
%RSD	83.311	3.3580	9.1714	40.240	57.010	15.679	221.19
#1	13.850	.30705	-66.391	.00317	.00074	.00520	.00002
#2	15.661	.29032	-58.498	.00186	.00255	.00566	-.00002
#3	.43654	.28944	-55.753	.00151	.00299	.00700	.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00070**	**-.00193**	**-.00026**	**.01653**	**-.00010**
Stddev	.00002	.00071	.00086	.00018	.00007	.00011
%RSD	39.860	101.93	44.431	69.965	.40593	103.98
#1	.00006	.00015	-.00284	-.00044	.01646	-.00005
#2	.00003	.00044	-.00113	-.00027	.01657	-.00003
#3	.00008	.00150	-.00184	-.00007	.01657	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32961.**	**25427.**
Stddev	91.	505.
%RSD	.27533	1.9878
#1	32941.	25386.
#2	32882.	25952.
#3	33060.	24944.

Approved: April 07, 2011

Sample Name: LCSS B3 Acquired: 4/6/2011 11:19:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19350**	**-.01019**	**.19418**	**-.00091**	**.00159**	**.00006**	**.04995**
Stddev	.00075	.01285	.00124	.00056	.00010	.00000	.00957
%RSD	.39017	126.13	.63940	61.731	6.3222	2.5168	19.167
#1	.19266	-.02453	.19297	-.00097	.00163	.00006	.05124
#2	.19373	.00030	.19412	-.00032	.00147	.00007	.03979
#3	.19411	-.00634	.19545	-.00144	.00166	.00006	.05881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02499**	**-.00031**	**.00141**	**.26693**	**.02451**	**.04545**	**.00062**
Stddev	.00009	.00006	.00032	.00045	.00208	.01218	.00097
%RSD	.37360	18.466	22.505	.16693	8.4864	26.801	156.38
#1	.02509	-.00036	.00176	.26744	.02457	.03376	.00055
#2	.02494	-.00025	.00115	.26674	.02656	.05807	-.00031
#3	.02492	-.00032	.00131	.26661	.02240	.04452	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01421**	**.26526**	**.00017**	**.03222**	**.00113**	F **-.01131**	**.27183**
Stddev	.00836	.00383	.00015	.00779	.00017	.00156	.00070
%RSD	58.835	1.4434	85.394	24.171	15.221	13.788	.25888
#1	.02378	.26102	.00006	.03883	.00120	-.01038	.27180
#2	.01043	.26628	.00034	.02363	.00126	-.01045	.27114
#3	.00840	.26847	.00011	.03419	.00094	-.01311	.27255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS B3 Acquired: 4/6/2011 11:19:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.791**	**.19064**	F **-30.323**	**.00358**	**.00280**	**.01355**	**.00057**
Stddev	5.112	.03164	5.680	.00069	.00132	.00064	.00005
%RSD	39.969	16.595	18.732	19.165	47.032	4.7143	8.4257
#1	8.2525	.22688	-25.545	.00279	.00337	.01413	.00056
#2	18.329	.16855	-36.604	.00397	.00129	.01366	.00062
#3	11.790	.17650	-28.821	.00399	.00374	.01287	.00053
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00042**	**-.00113**	**-.00025**	**.00569**	**.00001**
Stddev	.00007	.00050	.00033	.00021	.00005	.00009
%RSD	58.182	120.58	29.435	81.615	.83783	610.76
#1	.00015	.00036	-.00096	-.00025	.00574	.00008
#2	.00017	-.00006	-.00092	-.00005	.00564	.00005
#3	.00004	.00095	-.00152	-.00046	.00569	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32913.**	**25603.**
Stddev	46.	63.
%RSD	.14097	.24474
#1	32921.	25533.
#2	32955.	25652.
#3	32863.	25624.

Approved: April 07, 2011

Sample Name: L1103050489 Acquired: 4/6/2011 11:23:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.01822**	**-.00678**	**-.00067**	**-.00007**	**.00001**	**-.01297**
Stddev	.00031	.01277	.00027	.00101	.00013	.00001	.01229
%RSD	188.31	70.111	4.0329	151.59	183.42	81.269	94.729
#1	.00018	-.03136	-.00666	-.00043	-.00015	.00001	-.01818
#2	.00047	-.00585	-.00658	-.00178	.00008	.00002	-.02180
#3	-.00015	-.01744	-.00709	.00020	-.00015	.00000	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00093**	**.00024**	**-.00212**	**.00088**	**-.02916**	**.00047**
Stddev	.00006	.00006	.00018	.00022	.00172	.01553	.00128
%RSD	7.4398	6.5701	75.407	10.274	194.97	53.254	272.34
#1	.00079	-.00088	.00040	-.00218	-.00100	-.04251	.00189
#2	.00081	-.00099	.00028	-.00188	.00129	-.01212	.00012
#3	.00070	-.00090	.00004	-.00230	.00235	-.03284	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00787**	**.00035**	**-.00030**	**-.00486**	**-.00450**	**.00805**	**.00042**
Stddev	.00110	.00107	.00014	.00800	.00040	.00121	.00054
%RSD	13.938	306.97	45.333	164.56	8.9525	14.988	128.19
#1	.00783	.00158	-.00016	-.01256	-.00421	.00819	.00051
#2	.00679	-.00021	-.00030	.00341	-.00433	.00917	.00091
#3	.00898	-.00033	-.00044	-.00544	-.00496	.00678	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103050489 Acquired: 4/6/2011 11:23:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1.4804**	F **-.19649**	**3.3803**	**.00249**	**.00178**	F **104.59**	**-.00064**
Stddev	3.1095	.02376	.9915	.00069	.00260	.49	.00001
%RSD	210.04	12.091	29.333	27.713	146.04	.46390	2.2059
#1	.01042	-.16912	3.7794	.00180	-.00026	104.03	-.00064
#2	.60292	-.20856	2.2513	.00249	.00471	104.85	-.00065
#3	-5.0546	-.21179	4.1100	.00318	.00090	104.90	-.00062
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000				90.000	
Low Limit	-.00400	-.00400				-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00046**	**-.00099**	**-.00025**	**.00057**	**.00086**
Stddev	.00007	.00072	.00065	.00006	.00002	.00010
%RSD	119.47	158.18	66.091	25.048	4.0703	11.556
#1	.00002	-.00084	-.00031	-.00018	.00060	.00079
#2	-.00007	-.00091	-.00161	-.00026	.00056	.00082
#3	-.00013	.00038	-.00104	-.00030	.00056	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34677.**	**26383.**
Stddev	44.	166.
%RSD	.12550	.62911
#1	34727.	26331.
#2	34649.	26249.
#3	34654.	26569.

Approved: April 07, 2011

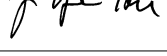
Sample Name: L1103086135 Acquired: 4/6/2011 11:26:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**65.190**	**.03394**	**.05392**	**.43198**	**.00304**	**127.24**
Stddev	.00017	.206	.00176	.00028	.00042	.00004	.29
%RSD	4.8023	.31609	5.1811	.52131	.09692	1.2073	.23056
#1	.00380	65.276	.03283	.05406	.43237	.00301	127.26
#2	.00347	64.955	.03302	.05360	.43154	.00308	126.94
#3	.00355	65.339	.03596	.05411	.43204	.00303	127.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**.02580**	**.06778**	**.43759**	**68.811**	**13.646**	**.06452**
Stddev	.00003	.00011	.00065	.00281	.187	.043	.00020
%RSD	1.0016	.44182	.96071	.64312	.27221	.31635	.30394
#1	.00340	.02567	.06851	.43624	68.726	13.647	.06438
#2	.00334	.02583	.06727	.43570	68.680	13.603	.06474
#3	.00337	.02589	.06755	.44082	69.025	13.689	.06444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.946**	**2.8567**	**.00202**	**.29940**	**.05034**	**1.6120**	**.27373**
Stddev	.086	.0075	.00005	.00072	.00038	.0127	.00090
%RSD	.50801	.26125	2.2978	.24076	.75011	.79004	.32745
#1	16.877	2.8508	.00207	.29919	.05077	1.6185	.27302
#2	16.918	2.8542	.00202	.30020	.05012	1.5973	.27345
#3	17.042	2.8651	.00198	.29881	.05011	1.6201	.27474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086135 Acquired: 4/6/2011 11:26:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.164**	F **162.51**	F **-7470.1**	**.00184**	**.00192**	**.39906**	**.00507**
Stddev	8.815	.72	28.5	.00140	.00102	.00434	.00011
%RSD	35.030	.44600	.38132	75.846	52.849	1.0886	2.2484
#1	29.986	162.02	-7476.9	.00323	.00285	.40372	.00501
#2	30.515	162.17	-7438.8	.00044	.00208	.39513	.00520
#3	14.990	163.34	-7494.5	.00187	.00084	.39833	.00499
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10897**	**.31241**	**.00319**	**.09626**	**.43693**	**.02441**
Stddev	.00026	.00038	.00047	.00013	.00156	.00020
%RSD	.23619	.12303	14.759	.13432	.35644	.80624
#1	.10891	.31197	.00289	.09613	.43594	.02429
#2	.10874	.31262	.00294	.09626	.43613	.02431
#3	.10925	.31265	.00373	.09638	.43873	.02464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33018.**	**26358.**
Stddev	140.	345.
%RSD	.42413	1.3085
#1	33143.	26653.
#2	33043.	26441.
#3	32867.	25979.

Approved: April 07, 2011

Sample Name: L1103086135PS Acquired: 4/6/2011 11:30:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360938-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21199**	**68.813**	**.23739**	**1.0784**	**.91085**	**.02835**	**129.85**
Stddev	.00324	.154	.00105	.0147	.00225	.00029	.23
%RSD	1.5306	.22375	.44290	1.3634	.24678	1.0362	.17528
#1	.20910	68.848	.23653	1.0685	.91322	.02816	129.88
#2	.21136	68.644	.23856	1.0715	.90876	.02821	129.61
#3	.21550	68.946	.23707	1.0953	.91055	.02869	130.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02915**	**.12722**	**.31501**	**.68748**	**69.284**	**38.222**	**.55650**
Stddev	.00004	.00019	.00318	.00081	.074	.052	.00098
%RSD	.14023	.14701	1.0100	.11855	.10731	.13678	.17531
#1	.02915	.12731	.31207	.68703	69.266	38.208	.55600
#2	.02911	.12734	.31457	.68842	69.220	38.178	.55587
#3	.02919	.12700	.31839	.68699	69.366	38.280	.55762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.495**	**3.0568**	**.50148**	**25.471**	**.30099**	**1.5967**	**.52158**
Stddev	.078	.0057	.00125	.069	.00071	.0022	.00170
%RSD	.36172	.18723	.24872	.27095	.23523	.13579	.32620
#1	21.413	3.0518	.50052	25.466	.30018	1.5964	.51976
#2	21.504	3.0556	.50104	25.405	.30143	1.5990	.52185
#3	21.567	3.0630	.50289	25.543	.30137	1.5947	.52313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086135PS Acquired: 4/6/2011 11:30:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360938-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.267**	F **164.85**	F **-7423.3**	**.61655**	**.20795**	**3.0198**	**.00530**
Stddev	10.698	.18	13.0	.00203	.00151	.0051	.00038
%RSD	55.527	.10857	.17498	.32957	.72835	.16954	7.2459
#1	8.2879	164.86	-7410.2	.61454	.20724	3.0227	.00565
#2	29.660	164.67	-7423.4	.61860	.20969	3.0228	.00489
#3	19.852	165.03	-7436.2	.61652	.20692	3.0139	.00537
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59810**	**.80122**	**.25667**	**.59847**	**.92874**	**.02460**
Stddev	.00095	.00137	.00018	.00639	.00163	.00036
%RSD	.15826	.17098	.06901	1.0674	.17570	1.4535
#1	.59785	.80083	.25673	.59357	.92689	.02442
#2	.59731	.80009	.25647	.59614	.92936	.02436
#3	.59915	.80274	.25681	.60569	.92998	.02501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32441.**	**26183.**
Stddev	20.	69.
%RSD	.06296	.26424
#1	32422.	26263.
#2	32439.	26142.
#3	32463.	26145.

Approved: April 07, 2011

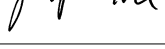
Sample Name: L1103086135SDL Acquired: 4/6/2011 11:33:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**13.594**	**.00808**	**.01171**	**.08850**	**.00060**	**26.343**
Stddev	.00066	.088	.00065	.00066	.00059	.00001	.103
%RSD	67.243	.65072	8.0674	5.5967	.66259	1.8766	.38964
#1	.00037	13.495	.00882	.01103	.08783	.00058	26.233
#2	.00169	13.623	.00785	.01234	.08873	.00061	26.361
#3	.00089	13.664	.00758	.01176	.08894	.00060	26.436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00564**	**.01385**	**.09354**	**14.168**	**2.8793**	**.01357**
Stddev	.00007	.00014	.00018	.00043	.047	.0194	.00070
%RSD	11.911	2.5394	1.2788	.45664	.33510	.67262	5.1219
#1	.00052	.00562	.01398	.09305	14.115	2.8594	.01365
#2	.00063	.00551	.01365	.09377	14.184	2.8980	.01284
#3	.00066	.00580	.01392	.09381	14.206	2.8805	.01423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6022**	**.59757**	**.00026**	**.06197**	**.01054**	**.34360**	**.05915**
Stddev	.0122	.00126	.00029	.00647	.00015	.00011	.00087
%RSD	.33906	.21049	111.05	10.443	1.4342	.03141	1.4671
#1	3.5892	.59614	.00059	.06091	.01037	.34372	.05975
#2	3.6040	.59849	.00011	.06890	.01067	.34352	.05815
#3	3.6134	.59808	.00008	.05609	.01058	.34356	.05954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086135SDL Acquired: 4/6/2011 11:33:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8662**	F **36.654**	F **-1553.3**	**-.00001**	**.00043**	**.08052**	**.00055**
Stddev	3.1484	.138	7.1	.00123	.00064	.00107	.00019
%RSD	81.436	.37572	.45472	14768.	150.96	1.3297	33.863
#1	.72291	36.499	-1552.9	-.00007	.00116	.08088	.00042
#2	7.0198	36.763	-1546.5	.00125	.00016	.08136	.00047
#3	3.8558	36.699	-1560.6	-.00121	-.00004	.07931	.00076
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02263**	**.06452**	**.00173**	**.01973**	**.09784**	**.00456**
Stddev	.00012	.00059	.00070	.00046	.00059	.00011
%RSD	.53356	.92054	40.347	2.3302	.60426	2.5192
#1	.02252	.06501	.00230	.01938	.09844	.00469
#2	.02262	.06470	.00095	.01957	.09783	.00452
#3	.02276	.06386	.00193	.02025	.09725	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33806.**	**26079.**
Stddev	37.	205.
%RSD	.10799	.78667
#1	33826.	26179.
#2	33764.	26214.
#3	33828.	25843.

Approved: April 07, 2011

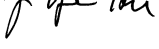
Sample Name: L1103086135SDL Acquired: 4/6/2011 11:37:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**2.6126**	**.00328**	**.00198**	**.01699**	**.00011**	**5.0743**
Stddev	.00016	.0289	.00106	.00045	.00035	.00002	.0330
%RSD	45.533	1.1041	32.406	22.901	2.0386	22.791	.64984
#1	.00040	2.6094	.00271	.00248	.01659	.00008	5.0670
#2	.00016	2.5855	.00263	.00161	.01712	.00013	5.0456
#3	.00046	2.6429	.00451	.00184	.01724	.00011	5.1103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00126**	**.00200**	**.01826**	**2.7428**	**.55895**	**.00200**
Stddev	.00006	.00010	.00022	.00043	.0155	.00616	.00134
%RSD	720.22	8.1175	11.037	2.3582	.56393	1.1018	66.640
#1	.00003	.00137	.00180	.01823	2.7346	.55685	.00058
#2	-.00008	.00117	.00197	.01784	2.7331	.56589	.00220
#3	.00003	.00125	.00224	.01870	2.7606	.55412	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70761**	**.11697**	**-.00010**	**.00384**	**.00190**	**.06850**	**.01060**
Stddev	.00486	.00051	.00018	.00902	.00031	.00263	.00031
%RSD	.68705	.43775	183.52	234.72	16.127	3.8445	2.8825
#1	.71314	.11730	-.00031	.00955	.00166	.06577	.01096
#2	.70565	.11722	.00002	.00852	.00181	.06870	.01047
#3	.70403	.11638	-.00001	-.00655	.00225	.07103	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086135SDL Acquired: 4/6/2011 11:37:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.3631**	**7.2901**	F **-297.94**	**-.00148**	**-.00081**	**.01231**	**-.00004**
Stddev	6.7793	.0215	5.65	.00151	.00068	.00091	.00009
%RSD	106.54	.29506	1.8950	102.04	83.438	7.4150	265.39
#1	1.2343	7.2865	-303.55	-.00314	-.00052	.01322	.00007
#2	-8.5282	7.2707	-298.00	-.00111	-.00158	.01140	-.00011
#3	-11.795	7.3132	-292.26	-.00019	-.00033	.01230	-.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**.01246**	**.00060**	**.00374**	**.01891**	**.00088**
Stddev	.00007	.00074	.00103	.00029	.00004	.00015
%RSD	1.6322	5.9598	173.03	7.8648	.23683	17.343
#1	.00436	.01323	-.00014	.00397	.01896	.00072
#2	.00429	.01174	.00178	.00341	.01888	.00089
#3	.00444	.01242	.00015	.00383	.01889	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34158.**	**26115.**
Stddev	111.	68.
%RSD	.32445	.26109
#1	34030.	26143.
#2	34217.	26164.
#3	34227.	26037.

Approved: April 07, 2011

Sample Name: L1103086136 Acquired: 4/6/2011 11:40:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**45.422**	**.02622**	**.04131**	**.46101**	**.00287**	**61.836**
Stddev	.00031	.257	.00098	.00047	.00240	.00002	.197
%RSD	12.846	.56580	3.7308	1.1360	.52118	.63893	.31781
#1	.00212	45.268	.02636	.04091	.45831	.00287	61.660
#2	.00232	45.719	.02713	.04119	.46185	.00285	62.048
#3	.00272	45.280	.02518	.04182	.46289	.00289	61.800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**.02566**	**.04485**	**.30091**	**57.214**	**12.860**	**.05393**
Stddev	.00001	.00026	.00036	.00166	.297	.063	.00071
%RSD	.36679	1.0084	.79425	.55094	.51979	.48731	1.3156
#1	.00286	.02537	.04474	.29916	56.881	12.788	.05394
#2	.00284	.02571	.04456	.30110	57.307	12.901	.05322
#3	.00285	.02588	.04525	.30246	57.453	12.892	.05464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.318**	**2.6341**	**.00233**	**.15689**	**.06522**	**3.0069**	**.17067**
Stddev	.088	.0100	.00011	.00645	.00033	.0206	.00241
%RSD	.66238	.37936	4.8842	4.1080	.50409	.68482	1.4096
#1	13.227	2.6226	.00226	.16342	.06493	2.9853	.16811
#2	13.404	2.6406	.00226	.15672	.06515	3.0091	.17103
#3	13.323	2.6390	.00246	.15053	.06558	3.0263	.17288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086136 Acquired: 4/6/2011 11:40:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **44.234**	F **107.08**	F **-9436.9**	**.00233**	**-.00005**	**.36220**	**.00445**
Stddev	2.989	.44	60.9	.00154	.00143	.00274	.00014
%RSD	6.7565	.41339	.64486	65.841	2806.3	.75751	3.1119
#1	47.580	106.61	-9368.2	.00058	-.00081	.35983	.00441
#2	41.829	107.13	-9458.4	.00299	.00159	.36157	.00433
#3	43.293	107.49	-9484.0	.00343	-.00093	.36521	.00460
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09064**	**.16011**	**.00245**	**.07355**	**.36308**	**.01902**
Stddev	.00026	.00091	.00084	.00010	.00242	.00017
%RSD	.28434	.56957	34.283	.13626	.66710	.90568
#1	.09034	.15949	.00174	.07352	.36062	.01897
#2	.09081	.16116	.00222	.07346	.36316	.01888
#3	.09077	.15969	.00337	.07366	.36547	.01921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33359.**	**27133.**
Stddev	27.	274.
%RSD	.07962	1.0099
#1	33330.	27280.
#2	33383.	26816.
#3	33364.	27302.

Approved: April 07, 2011

Sample Name: L1103086137 Acquired: 4/6/2011 11:44:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**43.047**	**.03857**	**.03800**	**.43305**	**.00273**	**196.83**
Stddev	.00033	.373	.00027	.00104	.00351	.00001	1.33
%RSD	7.8066	.86762	.70556	2.7320	.80952	.31038	.67662
#1	.00460	42.636	.03885	.03762	.42976	.00273	195.41
#2	.00393	43.139	.03831	.03721	.43265	.00272	197.02
#3	.00423	43.366	.03854	.03917	.43674	.00274	198.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.02306**	**.04915**	**1.4832**	**60.412**	**9.2611**	**.05082**
Stddev	.00008	.00013	.00014	.0045	.464	.0597	.00064
%RSD	1.7407	.54745	.28136	.30601	.76845	.64498	1.2535
#1	.00472	.02291	.04915	1.4799	59.981	9.1928	.05137
#2	.00470	.02314	.04928	1.4884	60.351	9.3033	.05012
#3	.00457	.02312	.04901	1.4815	60.904	9.2872	.05097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.988**	**3.1557**	**.00551**	**.24668**	**.04165**	**1.8055**	**.42840**
Stddev	.065	.0150	.00006	.00267	.00067	.0077	.00134
%RSD	.43436	.47632	1.1108	1.0824	1.6051	.42714	.31233
#1	14.938	3.1452	.00558	.24873	.04231	1.7974	.42982
#2	14.965	3.1490	.00546	.24366	.04166	1.8127	.42821
#3	15.062	3.1729	.00548	.24766	.04097	1.8065	.42716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086137 Acquired: 4/6/2011 11:44:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.014**	F **309.02**	F **-24702.**	**.00444**	**.00397**	**.48027**	**.00453**
Stddev	2.909	.61	40.	.00132	.00010	.00162	.00014
%RSD	10.027	.19791	.16061	29.815	2.5685	.33789	3.0776
#1	31.416	308.38	-24656.	.00470	.00386	.47902	.00469
#2	29.847	309.60	-24720.	.00301	.00406	.48210	.00443
#3	25.779	309.08	-24729.	.00562	.00399	.47968	.00447
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11313**	**.10966**	**.00435**	**.08582**	**.69559**	**.01719**
Stddev	.00041	.00019	.00067	.00025	.00101	.00014
%RSD	.36299	.17144	15.363	.29069	.14469	.84284
#1	.11268	.10966	.00364	.08564	.69599	.01709
#2	.11322	.10985	.00444	.08570	.69634	.01711
#3	.11349	.10948	.00497	.08610	.69444	.01735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32436.**	**26526.**
Stddev	78.	109.
%RSD	.24148	.40918
#1	32434.	26650.
#2	32358.	26448.
#3	32515.	26479.

Approved: April 07, 2011

Sample Name: L1103086138 Acquired: 4/6/2011 11:47:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**30.342**	**.04751**	**.02961**	**.24506**	**.00129**	**543.90**
Stddev	.00034	.137	.00119	.00062	.00103	.00002	5.76
%RSD	10.387	.45155	2.5056	2.1001	.42202	1.9003	1.0597
#1	.00354	30.184	.04614	.03012	.24387	.00129	537.38
#2	.00289	30.412	.04818	.02979	.24573	.00132	545.99
#3	.00338	30.430	.04822	.02891	.24558	.00127	548.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.01350**	**.08609**	**.32293**	**38.752**	**6.3453**	**.06289**
Stddev	.00011	.00019	.00048	.00369	.135	.0228	.00056
%RSD	2.5595	1.3749	.55256	1.1433	.34713	.35924	.88739
#1	.00412	.01329	.08554	.31872	38.614	6.3220	.06269
#2	.00409	.01355	.08632	.32565	38.762	6.3464	.06352
#3	.00429	.01365	.08640	.32441	38.882	6.3675	.06246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.073**	**2.1983**	**.00329**	**.39549**	**.04609**	**1.4142**	**.39440**
Stddev	.071	.0093	.00010	.00859	.00037	.0147	.00189
%RSD	.44338	.42327	2.9243	2.1716	.80163	1.0366	.47808
#1	15.991	2.1877	.00335	.39652	.04577	1.3973	.39224
#2	16.108	2.2024	.00318	.40352	.04601	1.4215	.39571
#3	16.120	2.2049	.00334	.38643	.04649	1.4238	.39526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086138 Acquired: 4/6/2011 11:47:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **41.826**	F **754.00**	F **-44788.**	**.00543**	**.00324**	**.34618**	**.00583**
Stddev	11.705	7.39	333.	.00040	.00149	.00187	.00020
%RSD	27.985	.98004	.74425	7.4080	46.036	.54032	3.4161
#1	29.741	745.99	-44442.	.00588	.00489	.34440	.00582
#2	42.628	755.45	-44816.	.00528	.00201	.34813	.00563
#3	53.110	760.55	-45107.	.00512	.00280	.34600	.00603
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60100**	**.29710**	**.00415**	**.08256**	**.40979**	**.01317**
Stddev	.00277	.00141	.00085	.00050	.00290	.00013
%RSD	.46082	.47577	20.548	.60391	.70695	1.0203
#1	.59783	.29549	.00503	.08226	.40681	.01302
#2	.60296	.29767	.00333	.08314	.40996	.01324
#3	.60220	.29815	.00408	.08229	.41260	.01326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31682.**	**26461.**
Stddev	74.	56.
%RSD	.23402	.20981
#1	31757.	26525.
#2	31679.	26425.
#3	31609.	26433.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:51:10 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40470**	**9.8700**	**.40757**	**.51038**	**.98732**	**.05049**	**9.8759**
Stddev	.00216	.1986	.00067	.00208	.01266	.00025	.1449
%RSD	.53293	2.0126	.16405	.40756	1.2824	.49546	1.4674
#1	.40566	9.9230	.40833	.51252	.99053	.05074	9.9629
#2	.40621	9.6503	.40705	.51024	.97336	.05051	9.7086
#3	.40223	10.037	.40735	.50837	.99806	.05024	9.9563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05164**	**.20794**	**.51050**	**.51848**	**3.9540**	**49.476**	**.99770**
Stddev	.00013	.00024	.00226	.00058	.0546	.629	.01488
%RSD	.24789	.11685	.44367	.11211	1.3807	1.2723	1.4918
#1	.05174	.20818	.51278	.51880	3.9687	49.612	1.0003
#2	.05149	.20770	.51046	.51884	3.8936	48.789	.98171
#3	.05168	.20795	.50825	.51781	3.9997	50.026	1.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9556**	**.50200**	**1.0182**	**49.891**	**.51595**	F **.00115**	**.52165**
Stddev	.1454	.00528	.0025	.770	.00026	.00344	.00259
%RSD	1.4608	1.0509	.24767	1.5434	.05008	298.54	.49746
#1	10.036	.50331	1.0210	50.017	.51623	-.00014	.52274
#2	9.7878	.49619	1.0173	49.066	.51591	.00505	.51869
#3	10.044	.50650	1.0162	50.590	.51572	-.00146	.52352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:51:10 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.434**	**10.672**	F **-12.179**	**1.2437**	**.41000**	**5.1682**	**1.0306**
Stddev	.726	.047	3.464	.0013	.00209	.0045	.0025
%RSD	3.3877	.43670	28.445	.10201	.51061	.08608	.23987
#1	20.605	10.686	-10.124	1.2451	.41185	5.1720	1.0335
#2	21.956	10.620	-16.179	1.2425	.41042	5.1633	1.0290
#3	21.740	10.710	-10.235	1.2435	.40773	5.1692	1.0294
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99422**	**.99890**	**.52838**	**1.0243**	**1.0248**	F **.00107**
Stddev	.01371	.01211	.00230	.0045	.0018	.00015
%RSD	1.3789	1.2122	.43454	.43887	.17461	13.830
#1	.99672	1.0037	.53101	1.0294	1.0269	.00106
#2	.97944	.98513	.52676	1.0228	1.0240	.00122
#3	1.0065	1.0079	.52737	1.0207	1.0236	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32122.**	**26037.**
Stddev	111.	417.
%RSD	.34669	1.6014
#1	32007.	25776.
#2	32129.	26517.
#3	32230.	25817.

Approved: April 07, 2011

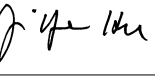
Sample Name: CCB Acquired: 4/6/2011 11:54:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.01278**	**-.00026**	**-.00091**	**-.00022**	**.00002**	**-.00312**
Stddev	.00040	.00905	.00035	.00071	.00014	.00001	.00547
%RSD	191.77	70.808	133.67	78.377	63.000	55.167	175.11
#1	.00036	-.01081	.00014	-.00023	-.00038	.00002	-.00310
#2	.00051	-.02265	-.00049	-.00084	-.00019	.00001	-.00860
#3	-.00024	-.00488	-.00044	-.00165	-.00010	.00002	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00013**	**-.00016**	**-.00007**	**-.00175**	**.06880**	**.00064**
Stddev	.0001	.00004	.00021	.00018	.00223	.00986	.00064
%RSD	1818.6	28.963	133.87	262.56	127.20	14.328	99.698
#1	.00008	-.00013	-.00012	-.00022	-.00358	.05750	.00137
#2	-.00002	-.00017	.00003	-.00012	.00073	.07562	.00024
#3	-.00007	-.00009	-.00039	.00013	-.00240	.07329	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00022**	**.00020**	**.00533**	**-.00013**	**-.00214**	**-.00009**
Stddev	.00205	.00050	.00013	.00174	.00009	.00266	.00052
%RSD	606.61	229.57	61.876	32.570	69.864	124.00	560.71
#1	-.00023	-.00057	.00034	.00588	-.00016	-.00083	-.00041
#2	-.00137	-.00044	.00009	.00339	-.00021	-.00520	.00051
#3	.00261	.00035	.00018	.00673	-.00003	-.00039	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/6/2011 11:54:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.073**	**.09178**	F **-12.104**	**-.00016**	**.00192**	**.00023**	**-.00016**
Stddev	3.276	.04283	2.803	.00049	.00205	.00046	.00021
%RSD	18.126	46.663	23.156	299.42	106.88	200.70	130.34
#1	17.712	.11966	-15.237	.00022	-.00026	.00054	-.00021
#2	14.993	.11323	-9.8361	-.00072	.00221	-.00030	.00007
#3	21.515	.04247	-11.238	.00001	.00380	.00045	-.00035
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00082**	**.00038**	**-.00009**	**-.00012**	**-.00001**
Stddev	.00008	.00081	.00031	.00014	.00009	.00005
%RSD	190.13	99.504	79.684	147.80	76.621	323.37
#1	-.00012	.00170	.00047	.00005	-.00006	-.00001
#2	-.00004	.00009	.00005	-.00011	-.00022	-.00006
#3	.00004	.00066	.00064	-.00022	-.00007	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33064.**	**26279.**
Stddev	104.	113.
%RSD	.31388	.42968
#1	32976.	26236.
#2	33037.	26406.
#3	33178.	26193.

Approved: April 07, 2011

Sample Name: L1103086139 Acquired: 4/6/2011 11:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**50.725**	**.04325**	**.03857**	**.30449**	**.00267**	**352.21**
Stddev	.00035	.266	.00146	.00037	.00194	.00003	3.09
%RSD	15.357	.52438	3.3750	.96378	.63858	1.0847	.87770
#1	.00227	50.451	.04172	.03875	.30325	.00268	350.18
#2	.00267	50.982	.04463	.03881	.30348	.00263	355.77
#3	.00196	50.741	.04340	.03814	.30673	.00269	350.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.02062**	**.07075**	**.18350**	**54.829**	**9.8736**	**.05972**
Stddev	.00002	.00014	.00007	.00149	.289	.0718	.00155
%RSD	.78010	.66563	.10149	.81386	.52792	.72706	2.5992
#1	.00298	.02046	.07070	.18210	54.619	9.7986	.05796
#2	.00298	.02066	.07073	.18334	54.709	9.9417	.06090
#3	.00302	.02072	.07083	.18507	55.159	9.8805	.06030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.608**	**2.0240**	**.00178**	**.20255**	**.05004**	**1.7053**	**.18452**
Stddev	.081	.0043	.00022	.00470	.00092	.0103	.00113
%RSD	.51597	.21153	12.310	2.3190	1.8441	.60485	.61317
#1	15.527	2.0193	.00156	.20748	.04903	1.6950	.18321
#2	15.609	2.0251	.00177	.20203	.05084	1.7051	.18514
#3	15.688	2.0276	.00200	.19813	.05025	1.7157	.18520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086139 Acquired: 4/6/2011 11:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **26.411**	F **420.48**	F **-13310.**	**.00446**	**.00273**	**.44618**	**.00347**
Stddev	10.020	1.50	89.	.00052	.00169	.00424	.00020
%RSD	37.940	.35654	.67156	11.643	61.999	.95114	5.8167
#1	18.862	418.97	-13207.	.00444	.00307	.44149	.00328
#2	22.593	420.49	-13366.	.00394	.00089	.44727	.00368
#3	37.780	421.97	-13356.	.00498	.00422	.44977	.00345
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17946**	**.17922**	**.00233**	**.09196**	**.27507**	**.01417**
Stddev	.00057	.00103	.00039	.00086	.00086	.00008
%RSD	.31886	.57256	16.789	.93878	.31171	.59605
#1	.17881	.17808	.00216	.09117	.27417	.01412
#2	.17989	.17954	.00205	.09182	.27518	.01412
#3	.17967	.18006	.00277	.09288	.27587	.01427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32377.**	**26359.**
Stddev	22.	135.
%RSD	.06712	.51303
#1	32398.	26490.
#2	32379.	26220.
#3	32355.	26367.

Approved: April 07, 2011

Sample Name: L1103086140 Acquired: 4/6/2011 12:01:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00610**	**37.448**	**.04349**	**.04860**	**1.0452**	**.00898**	**26.210**
Stddev	.00007	.202	.00107	.00079	.0034	.00006	.095
%RSD	1.1976	.53950	2.4607	1.6214	.32054	.65050	.36221
#1	.00608	37.441	.04460	.04951	1.0450	.00893	26.238
#2	.00604	37.249	.04247	.04815	1.0420	.00896	26.104
#3	.00618	37.653	.04340	.04815	1.0487	.00904	26.287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01274**	**.04544**	**.05182**	**1.4325**	**76.063**	**8.9202**	**.04794**
Stddev	.00010	.00035	.00049	.0131	.339	.0227	.00143
%RSD	.74697	.76020	.94755	.91592	.44530	.25433	2.9759
#1	.01270	.04504	.05131	1.4194	75.940	8.9212	.04707
#2	.01284	.04558	.05187	1.4324	75.802	8.8970	.04717
#3	.01266	.04569	.05229	1.4456	76.446	8.9423	.04959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4034**	**9.4480**	**.00631**	**.22614**	**.04059**	**7.7186**	**3.3856**
Stddev	.0784	.0524	.00007	.00180	.00052	.0727	.0335
%RSD	1.0592	.55444	1.0841	.79633	1.2821	.94189	.98928
#1	7.3676	9.4098	.00626	.22776	.04013	7.6437	3.3520
#2	7.3492	9.4264	.00639	.22645	.04116	7.7230	3.3857
#3	7.4933	9.5077	.00628	.22420	.04049	7.7889	3.4190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086140 Acquired: 4/6/2011 12:01:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **49.831**	F **112.27**	F **-19770.**	**.00804**	**.00683**	**.45635**	**.15940**
Stddev	6.309	.95	128.	.00088	.00144	.00447	.00082
%RSD	12.661	.84369	.64751	10.970	21.053	.97911	.51493
#1	55.726	111.36	-19628.	.00902	.00775	.45157	.15848
#2	50.590	112.21	-19807.	.00729	.00758	.45708	.15966
#3	43.177	113.25	-19876.	.00782	.00518	.46041	.16006
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13152**	**.24187**	**.00300**	**.06131**	**1.5369**	**.00872**
Stddev	.00055	.00117	.00068	.00044	.0142	.00009
%RSD	.41731	.48428	22.727	.71464	.92192	1.0563
#1	.13154	.24146	.00270	.06090	1.5227	.00880
#2	.13096	.24096	.00378	.06127	1.5370	.00862
#3	.13205	.24319	.00252	.06177	1.5510	.00875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33526.**	**27418.**
Stddev	45.	237.
%RSD	.13389	.86460
#1	33543.	27456.
#2	33559.	27633.
#3	33474.	27164.

Approved: April 07, 2011

Sample Name: L1103086141 Acquired: 4/6/2011 12:05:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**26.269**	**.04830**	**.03142**	**.74378**	**.00923**	**12.566**
Stddev	.00033	.237	.00106	.00057	.00414	.00005	.089
%RSD	6.3525	.90077	2.2042	1.8168	.55719	.52190	.70472
#1	.00519	26.067	.04714	.03088	.74021	.00926	12.490
#2	.00559	26.212	.04923	.03138	.74279	.00918	12.544
#3	.00493	26.529	.04853	.03202	.74832	.00927	12.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00626**	**.04612**	**.03189**	**2.0951**	**65.124**	**6.9020**	**.03417**
Stddev	.00013	.00063	.00006	.0262	.399	.0800	.00045
%RSD	2.0234	1.3629	.19137	1.2484	.61195	1.1592	1.3189
#1	.00613	.04552	.03189	2.0709	64.805	6.8226	.03440
#2	.00628	.04607	.03183	2.0916	64.996	6.9008	.03446
#3	.00638	.04677	.03195	2.1228	65.571	6.9826	.03365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6152**	**9.5410**	**.00374**	**.15171**	**.03265**	**3.6001**	**.98680**
Stddev	.0423	.0856	.00011	.00191	.00031	.0522	.01176
%RSD	.91601	.89668	3.0349	1.2566	.95710	1.4512	1.1922
#1	4.5736	9.4566	.00369	.15056	.03242	3.5489	.98000
#2	4.6137	9.5388	.00387	.15391	.03254	3.5979	.98002
#3	4.6582	9.6277	.00365	.15065	.03301	3.6534	1.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086141 Acquired: 4/6/2011 12:05:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.210**	F **43.249**	F **-6648.2**	**.00599**	**.00648**	**.47692**	**.05109**
Stddev	4.803	.573	93.3	.00123	.00068	.00506	.00102
%RSD	8.5441	1.3256	1.4041	20.550	10.477	1.0605	1.9978
#1	61.341	42.668	-6545.6	.00458	.00709	.47232	.05003
#2	51.822	43.266	-6671.1	.00654	.00575	.47610	.05117
#3	55.467	43.814	-6728.0	.00684	.00659	.48233	.05206
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08828**	**.19106**	**.00407**	**.05020**	**.69263**	**.00805**
Stddev	.00065	.00161	.00052	.00021	.00943	.00010
%RSD	.73669	.84480	12.861	.42177	1.3609	1.2285
#1	.08762	.18987	.00467	.05027	.68445	.00795
#2	.08831	.19042	.00381	.04996	.69051	.00806
#3	.08892	.19290	.00372	.05037	.70294	.00814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34078.**	**28159.**
Stddev	113.	52.
%RSD	.33092	.18394
#1	33951.	28137.
#2	34165.	28122.
#3	34119.	28218.

Approved: April 07, 2011

Sample Name: L1103086142 Acquired: 4/6/2011 12:08:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**39.138**	**.03629**	**.04505**	**.84910**	**.01198**	**22.924**
Stddev	.00044	.379	.00044	.00057	.00907	.00012	.215
%RSD	13.718	.96794	1.2086	1.2630	1.0679	1.0252	.93669
#1	.00275	38.721	.03680	.04468	.84088	.01186	22.689
#2	.00362	39.234	.03600	.04476	.84760	.01197	22.973
#3	.00317	39.460	.03608	.04570	.85882	.01211	23.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00791**	**.04275**	**.06208**	**.76498**	**88.053**	**9.1470**	**.03981**
Stddev	.00013	.00051	.00076	.01103	.859	.0793	.00082
%RSD	1.5844	1.1829	1.2259	1.4416	.97590	.86726	2.0711
#1	.00782	.04229	.06127	.75289	87.338	9.0656	.03957
#2	.00785	.04268	.06222	.76759	87.816	9.1514	.03913
#3	.00805	.04329	.06277	.77448	89.006	9.2241	.04073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3361**	**7.4538**	**.00655**	**.21753**	**.04144**	**5.4412**	**1.2660**
Stddev	.0539	.0617	.00014	.00704	.00057	.0785	.0183
%RSD	.84994	.82841	2.1734	3.2377	1.3698	1.4417	1.4482
#1	6.3052	7.3893	.00638	.21799	.04079	5.3604	1.2477
#2	6.3047	7.4599	.00665	.21027	.04169	5.4461	1.2661
#3	6.3983	7.5123	.00661	.22433	.04184	5.5170	1.2843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086142 Acquired: 4/6/2011 12:08:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.093**	F **79.698**	F **-12508.**	**.00475**	**.00558**	**.42546**	**.07222**
Stddev	8.509	.992	145.	.00023	.00152	.00551	.00113
%RSD	16.335	1.2441	1.1615	4.8593	27.330	1.2958	1.5659
#1	42.288	78.614	-12361.	.00498	.00549	.41918	.07113
#2	56.444	79.922	-12513.	.00451	.00410	.42769	.07213
#3	57.547	80.559	-12651.	.00475	.00714	.42951	.07339
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11020**	**.15043**	**.00203**	**.04985**	**1.6518**	**.01183**
Stddev	.00105	.00163	.00112	.00056	.0240	.00011
%RSD	.95264	1.0824	55.291	1.1309	1.4526	.96958
#1	.10899	.14864	.00219	.04949	1.6281	.01185
#2	.11079	.15080	.00307	.04955	1.6513	.01171
#3	.11082	.15184	.00084	.05050	1.6761	.01194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33893.**	**27876.**
Stddev	14.	116.
%RSD	.03989	.41659
#1	33885.	27744.
#2	33909.	27961.
#3	33886.	27924.

Approved: April 07, 2011

Sample Name: L1103086143S Acquired: 4/6/2011 12:11:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04290**	**32.575**	**.07515**	**.04173**	**.78760**	**.01153**	**22.832**
Stddev	.00038	.337	.00022	.00050	.00659	.00005	.216
%RSD	.89258	1.0340	.28781	1.1953	.83724	.42310	.94477
#1	.04246	32.241	.07506	.04194	.78147	.01148	22.630
#2	.04316	32.570	.07499	.04115	.78676	.01158	22.806
#3	.04309	32.915	.07539	.04208	.79457	.01154	23.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01310**	**.04128**	**.05647**	**.81904**	**85.535**	**8.2322**	**.03482**
Stddev	.00013	.00031	.00046	.00839	.802	.0717	.00108
%RSD	.95579	.73892	.81150	1.0241	.93791	.87129	3.1120
#1	.01297	.04095	.05616	.81133	84.726	8.1603	.03574
#2	.01309	.04133	.05626	.81782	85.547	8.2324	.03363
#3	.01322	.04155	.05700	.82798	86.331	8.3038	.03509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0396**	**7.3886**	**.00585**	**.19034**	**.03716**	**5.3162**	**1.2727**
Stddev	.0578	.0546	.00025	.01499	.00051	.0560	.0179
%RSD	.95732	.73904	4.2294	7.8737	1.3759	1.0527	1.4057
#1	5.9759	7.3353	.00577	.20411	.03659	5.2619	1.2554
#2	6.0542	7.3861	.00565	.19253	.03734	5.3129	1.2716
#3	6.0887	7.4444	.00613	.17437	.03756	5.3737	1.2911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086143S Acquired: 4/6/2011 12:11:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **44.194**	F **76.651**	F **-11868.**	**.00548**	**.00380**	**.50757**	**.07421**
Stddev	15.392	.807	144.	.00102	.00270	.00762	.00082
%RSD	34.829	1.0533	1.2113	18.563	71.066	1.5009	1.1089
#1	60.144	75.828	-11725.	.00432	.00339	.50152	.07343
#2	29.428	76.681	-11864.	.00586	.00133	.50506	.07413
#3	43.009	77.442	-12013.	.00624	.00669	.51612	.07507
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10592**	**.13816**	**.00237**	**.04653**	**1.6058**	**.01149**
Stddev	.00077	.00185	.00090	.00018	.0196	.00011
%RSD	.72728	1.3367	38.246	.39342	1.2179	.91974
#1	.10518	.13693	.00340	.04645	1.5856	.01156
#2	.10587	.13727	.00172	.04673	1.6073	.01137
#3	.10672	.14028	.00197	.04639	1.6246	.01155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33800.**	**27402.**
Stddev	52.	358.
%RSD	.15491	1.3057
#1	33861.	27814.
#2	33767.	27221.
#3	33773.	27171.

Approved: April 07, 2011

Sample Name: L1103086144SD Acquired: 4/6/2011 12:15:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04241**	**24.604**	**.07086**	**.03644**	**.75163**	**.01033**	**22.161**
Stddev	.00046	.011	.00095	.00051	.00222	.00014	.024
%RSD	1.0858	.04480	1.3429	1.3892	.29471	1.3438	.10709
#1	.04268	24.609	.07000	.03698	.74923	.01022	22.168
#2	.04268	24.611	.07069	.03634	.75208	.01029	22.179
#3	.04188	24.591	.07188	.03598	.75359	.01049	22.134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01253**	**.03832**	**.05271**	**.74926**	**73.796**	**7.0257**	**.02762**
Stddev	.00024	.00065	.00082	.01386	.152	.0353	.00075
%RSD	1.9402	1.7092	1.5597	1.8494	.20562	.50205	2.6988
#1	.01238	.03796	.05223	.74039	73.621	6.9992	.02683
#2	.01239	.03791	.05223	.74217	73.882	7.0658	.02831
#3	.01281	.03907	.05366	.76523	73.886	7.0123	.02774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1117**	**7.2173**	**.00651**	**.16042**	**.03079**	**4.8981**	**1.2214**
Stddev	.0159	.0116	.00024	.00369	.00065	.0775	.0170
%RSD	.31094	.16095	3.6285	2.3018	2.1144	1.5828	1.3940
#1	5.1291	7.2056	.00630	.15647	.03062	4.8490	1.2113
#2	5.0979	7.2176	.00646	.16378	.03024	4.8578	1.2118
#3	5.1081	7.2289	.00676	.16101	.03151	4.9875	1.2411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086144SD Acquired: 4/6/2011 12:15:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.507**	F **70.459**	F **-10718.**	**.00477**	**.00479**	**.59993**	**.07389**
Stddev	12.486	1.290	142.	.00072	.00186	.00855	.00104
%RSD	42.314	1.8307	1.3235	15.066	38.783	1.4252	1.4109
#1	16.165	69.737	-10639.	.00515	.00310	.59602	.07375
#2	31.448	69.692	-10633.	.00523	.00678	.59404	.07293
#3	40.909	71.949	-10881.	.00394	.00450	.60974	.07500
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09970**	**.12488**	**.00174**	**.03942**	**1.4738**	**.00912**
Stddev	.00032	.00070	.00102	.00023	.0233	.00014
%RSD	.32160	.55977	58.433	.57909	1.5815	1.4969
#1	.09996	.12418	.00082	.03957	1.4599	.00900
#2	.09981	.12490	.00283	.03916	1.4608	.00910
#3	.09934	.12558	.00158	.03953	1.5007	.00927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33865.**	**27149.**
Stddev	260.	302.
%RSD	.76921	1.1110
#1	33930.	26890.
#2	34086.	27077.
#3	33578.	27480.

Approved: April 07, 2011

Sample Name: L1103086145 Acquired: 4/6/2011 12:18:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00757**	**40.792**	**.04891**	**.05101**	**1.2246**	**.01254**	**32.926**
Stddev	.00024	.462	.00080	.00131	.0186	.00007	.397
%RSD	3.1894	1.1335	1.6299	2.5656	1.5191	.54329	1.2070
#1	.00782	40.809	.04810	.05134	1.2255	.01251	32.983
#2	.00756	40.322	.04893	.04956	1.2055	.01262	32.503
#3	.00734	41.246	.04969	.05212	1.2427	.01249	33.291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00902**	**.04002**	**.06097**	**.95881**	**90.819**	**9.2349**	**.04157**
Stddev	.00012	.00060	.00011	.01190	1.202	.1466	.00165
%RSD	1.3109	1.4925	.18546	1.2415	1.3233	1.5874	3.9697
#1	.00893	.03976	.06109	.95331	90.823	9.2600	.04062
#2	.00898	.03960	.06086	.95066	89.616	9.0774	.04063
#3	.00915	.04070	.06096	.97247	92.019	9.3674	.04348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.4411**	**6.6716**	**.00543**	**.36826**	**.04310**	**6.8680**	**1.4872**
Stddev	.0584	.0880	.00027	.00740	.00065	.0827	.0179
%RSD	.90614	1.3183	4.9041	2.0101	1.5122	1.2046	1.2007
#1	6.4257	6.6701	.00517	.36492	.04271	6.8298	1.4803
#2	6.3919	6.5844	.00542	.36312	.04274	6.8112	1.4738
#3	6.5056	6.7603	.00571	.37675	.04385	6.9629	1.5075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086145 Acquired: 4/6/2011 12:18:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **61.490**	F **104.90**	F **-16029.**	**.00608**	**.00528**	**.41910**	**.15567**
Stddev	8.311	1.47	222.	.00224	.00176	.00630	.00239
%RSD	13.516	1.4030	1.3855	36.783	33.335	1.5042	1.5332
#1	56.609	104.33	-15918.	.00360	.00360	.41538	.15443
#2	71.087	103.81	-15883.	.00795	.00513	.41555	.15416
#3	56.775	106.58	-16284.	.00669	.00711	.42638	.15842
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15420**	**.15436**	**.00144**	**.05262**	**2.3437**	**.00986**
Stddev	.00197	.00210	.00021	.00015	.0254	.00014
%RSD	1.2747	1.3583	14.330	.28277	1.0854	1.4025
#1	.15420	.15529	.00168	.05276	2.3304	.00975
#2	.15223	.15196	.00132	.05262	2.3276	.00981
#3	.15616	.15583	.00132	.05247	2.3730	.01002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33777.**	**28597.**
Stddev	213.	190.
%RSD	.63155	.66544
#1	33531.	28384.
#2	33914.	28750.
#3	33886.	28657.

Approved: April 07, 2011

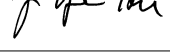
Sample Name: L1103086146 Acquired: 4/6/2011 12:22:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00429**	**35.255**	**.06428**	**.05529**	**1.6895**	**.00497**	**71.754**
Stddev	.00007	.281	.00068	.00055	.0190	.00003	.671
%RSD	1.6021	.79586	1.0541	1.0004	1.1248	.60181	.93532
#1	.00430	34.931	.06370	.05469	1.6726	.00493	71.026
#2	.00421	35.404	.06412	.05579	1.6857	.00498	71.889
#3	.00435	35.429	.06503	.05538	1.7101	.00499	72.347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00943**	**.03032**	**.05753**	**.82176**	**63.768**	**10.091**	**.05216**
Stddev	.00013	.00051	.00048	.01464	.634	.089	.00121
%RSD	1.3525	1.6869	.83932	1.7819	.99384	.88420	2.3279
#1	.00934	.02986	.05706	.80887	63.158	9.9943	.05155
#2	.00939	.03022	.05752	.81874	63.723	10.107	.05138
#3	.00958	.03087	.05803	.83768	64.423	10.171	.05356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.844**	**4.6444**	**.01128**	**.77662**	**.04392**	**8.9179**	**1.9740**
Stddev	.095	.0476	.00011	.01278	.00044	.1456	.0325
%RSD	.87854	1.0253	.96927	1.6459	1.0119	1.6323	1.6451
#1	10.743	4.5958	.01115	.76199	.04341	8.7829	1.9436
#2	10.856	4.6464	.01135	.78225	.04408	8.8989	1.9702
#3	10.932	4.6910	.01133	.78563	.04426	9.0721	2.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086146 Acquired: 4/6/2011 12:22:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **53.537**	F **196.55**	F **-26823.**	**.00621**	**.00573**	**.47578**	**.04367**
Stddev	7.507	3.18	386.	.00137	.00149	.00848	.00084
%RSD	14.022	1.6174	1.4384	22.021	25.901	1.7833	1.9188
#1	61.476	193.81	-26502.	.00467	.00489	.46773	.04283
#2	46.553	195.80	-26716.	.00727	.00486	.47498	.04369
#3	52.582	200.03	-27251.	.00671	.00745	.48464	.04450
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30128**	**.16853**	**.00370**	**.06997**	**2.3890**	**.00758**
Stddev	.00297	.00223	.00082	.00018	.0420	.00013
%RSD	.98532	1.3205	22.153	.26060	1.7561	1.6991
#1	.29803	.16636	.00464	.06987	2.3506	.00744
#2	.30197	.16841	.00336	.06985	2.3828	.00767
#3	.30384	.17081	.00311	.07018	2.4338	.00765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33009.**	**28016.**
Stddev	56.	130.
%RSD	.16973	.46354
#1	32950.	28036.
#2	33062.	27877.
#3	33016.	28134.

Approved: April 07, 2011

Sample Name: L1103086147 Acquired: 4/6/2011 12:25:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**41.122**	**.18791**	**.05954**	**1.9391**	**.00524**	**80.401**
Stddev	.00048	.725	.00159	.00091	.0322	.00003	1.326
%RSD	8.3240	1.7632	.84864	1.5257	1.6622	.53472	1.6490
#1	.00525	40.672	.18616	.05868	1.9229	.00524	79.624
#2	.00621	41.958	.18827	.06049	1.9762	.00526	81.931
#3	.00571	40.735	.18929	.05944	1.9182	.00521	79.646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.03117**	**.06222**	**1.3276**	**70.990**	**9.5934**	**.05676**
Stddev	.00009	.00017	.00009	.0033	1.179	.1172	.00049
%RSD	.64747	.54667	.15159	.25005	1.6606	1.2218	.86526
#1	.01392	.03114	.06232	1.3280	70.369	9.5342	.05626
#2	.01402	.03136	.06213	1.3308	72.349	9.7284	.05679
#3	.01384	.03103	.06222	1.3242	70.251	9.5175	.05724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.340**	**5.5086**	**.00517**	**.93420**	**.04819**	**6.5610**	**1.7908**
Stddev	.202	.0891	.00011	.01347	.00027	.0105	.0015
%RSD	1.7844	1.6178	2.1151	1.4421	.56727	.15972	.08365
#1	11.188	5.4484	.00510	.92903	.04849	6.5609	1.7901
#2	11.570	5.6109	.00530	.94950	.04795	6.5716	1.7897
#3	11.261	5.4663	.00512	.92409	.04813	6.5506	1.7925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086147 Acquired: 4/6/2011 12:25:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **51.794**	F **193.07**	F **-25368.**	**.00913**	**.00650**	**.40647**	**.04343**
Stddev	9.075	.87	78.	.00065	.00260	.00169	.00014
%RSD	17.520	.45119	.30804	7.1558	39.954	.41477	.31528
#1	58.497	193.01	-25367.	.00988	.00707	.40710	.04341
#2	55.418	193.98	-25291.	.00866	.00877	.40775	.04330
#3	41.468	192.24	-25448.	.00887	.00367	.40456	.04358
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35007**	**.18751**	**.00409**	**.08503**	**2.3849**	**.01128**
Stddev	.00571	.00273	.00037	.00037	.0013	.00009
%RSD	1.6323	1.4541	8.9944	.43755	.05601	.77769
#1	.34646	.18509	.00383	.08542	2.3850	.01138
#2	.35666	.19047	.00451	.08499	2.3835	.01123
#3	.34710	.18698	.00393	.08468	2.3861	.01122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33418.**	**27948.**
Stddev	117.	356.
%RSD	.35051	1.2724
#1	33295.	28141.
#2	33431.	27538.
#3	33529.	28165.

Approved: April 07, 2011

Sample Name: L1103086148 Acquired: 4/6/2011 12:28:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**40.503**	**.06099**	**.08296**	**1.9310**	**.00726**	**82.984**
Stddev	.00047	.142	.00077	.00010	.0131	.00007	.398
%RSD	7.5130	.34939	1.2655	.12529	.67939	.94352	.47993
#1	.00677	40.383	.06057	.08306	1.9246	.00719	82.643
#2	.00582	40.466	.06188	.08285	1.9224	.00727	82.886
#3	.00637	40.659	.06052	.08298	1.9461	.00733	83.422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01629**	**.03904**	**.06991**	**1.0647**	**75.404**	**10.759**	**.05038**
Stddev	.00021	.00076	.00081	.0158	.518	.071	.00017
%RSD	1.3123	1.9429	1.1537	1.4825	.68706	.65775	.34372
#1	.01605	.03826	.06909	1.0485	75.108	10.715	.05018
#2	.01638	.03908	.06993	1.0657	75.101	10.722	.05050
#3	.01644	.03978	.07070	1.0800	76.002	10.841	.05047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.652**	**6.3308**	**.00998**	**.78718**	**.04701**	**9.3909**	**3.0751**
Stddev	.096	.0382	.00023	.00721	.00097	.1280	.0439
%RSD	.90254	.60286	2.3328	.91550	2.0595	1.3634	1.4282
#1	10.573	6.2960	.00975	.77903	.04622	9.2626	3.0312
#2	10.625	6.3248	.00997	.78980	.04671	9.3913	3.0751
#3	10.759	6.3716	.01022	.79270	.04809	9.5187	3.1191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086148 Acquired: 4/6/2011 12:28:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.778**	F **270.36**	F **-41380.**	**.01176**	**.00816**	**.56178**	**.07089**
Stddev	1.772	3.70	507.	.00125	.00103	.00824	.00097
%RSD	3.1764	1.3668	1.2264	10.623	12.628	1.4664	1.3670
#1	55.153	266.65	-40877.	.01291	.00936	.55292	.06992
#2	57.778	270.39	-41369.	.01194	.00758	.56320	.07087
#3	54.404	274.04	-41892.	.01043	.00756	.56921	.07186
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38307**	**.25910**	**.00300**	**.06864**	**3.8838**	**.00720**
Stddev	.00161	.00120	.00009	.00081	.0570	.00014
%RSD	.42100	.46151	3.1413	1.1781	1.4666	1.9922
#1	.38138	.25782	.00300	.06774	3.8283	.00705
#2	.38326	.25929	.00291	.06889	3.8809	.00724
#3	.38459	.26019	.00310	.06930	3.9421	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33251.**	**28104.**
Stddev	27.	139.
%RSD	.08132	.49502
#1	33279.	28219.
#2	33226.	28143.
#3	33248.	27949.

Approved: April 07, 2011

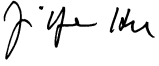
Sample Name: CCV Acquired: 4/6/2011 12:32:23 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41394**	**9.6352**	**.41064**	**.51435**	**.98292**	**.05038**	**9.6572**
Stddev	.00378	.0382	.00492	.00353	.00106	.00034	.0220
%RSD	.91375	.39648	1.1993	.68722	.10795	.66582	.22773
#1	.41760	9.6243	.41617	.51831	.98212	.05076	9.6616
#2	.41417	9.6036	.40672	.51151	.98250	.05025	9.6334
#3	.41005	9.6776	.40903	.51323	.98412	.05013	9.6767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05163**	**.20720**	**.50422**	**.51821**	**3.9174**	**48.856**	**.99790**
Stddev	.00054	.00219	.00321	.00525	.0057	.112	.00147
%RSD	1.0428	1.0585	.63626	1.0130	.14441	.22830	.14684
#1	.05220	.20970	.50793	.52404	3.9198	48.869	.99936
#2	.05113	.20558	.50231	.51387	3.9110	48.738	.99643
#3	.05155	.20633	.50243	.51672	3.9215	48.960	.99793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8360**	**.50114**	**1.0121**	**49.176**	**.51386**	F **-.00016**	**.51785**
Stddev	.0095	.00088	.0096	.212	.00520	.00107	.00310
%RSD	.09607	.17578	.94580	.43083	1.0122	677.73	.59825
#1	9.8462	.50030	1.0230	49.172	.51977	-.00139	.52115
#2	9.8276	.50106	1.0050	48.965	.51000	.00054	.51501
#3	9.8343	.50206	1.0082	49.389	.51180	.00038	.51740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011



Sample Name: CCV Acquired: 4/6/2011 12:32:23 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **28.233**	**10.531**	F **-18.007**	**1.2423**	**.41501**	**5.1684**	**1.0239**
Stddev	2.421	.147	5.296	.0135	.00266	.0437	.0103
%RSD	8.5755	1.4000	29.411	1.0832	.64193	.84559	1.0077
#1	25.759	10.696	-12.157	1.2564	.41744	5.2176	1.0358
#2	30.597	10.412	-22.475	1.2297	.41544	5.1340	1.0171
#3	28.341	10.485	-19.388	1.2408	.41216	5.1537	1.0189
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98338**	**.99931**	**.52520**	**1.0367**	**1.0131**	F **.00087**
Stddev	.00373	.00283	.00696	.0060	.0112	.00012
%RSD	.37974	.28363	1.3256	.58165	1.1084	14.388
#1	.98173	.99709	.53321	1.0437	1.0259	.00088
#2	.98075	.99833	.52176	1.0329	1.0052	.00098
#3	.98765	1.0025	.52062	1.0335	1.0081	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32481.**	**27197.**
Stddev	270.	211.
%RSD	.83279	.77756
#1	32168.	26956.
#2	32629.	27284.
#3	32644.	27351.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 12:35:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**-.02150**	**-.00009**	**-.00196**	**-.00036**	**.00003**	**-.00046**
Stddev	.00009	.00492	.00053	.00015	.00012	.00002	.01004
%RSD	11.119	22.868	568.03	7.7379	32.438	80.916	2201.5
#1	.00091	-.02016	-.00007	-.00203	-.00026	.00005	-.01201
#2	.00079	-.02696	.00043	-.00206	-.00049	.00001	.00617
#3	.00074	-.01740	-.00064	-.00178	-.00032	.00002	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00004**	**-.00026**	**-.00020**	**-.00075**	**.05032**	**.00097**
Stddev	.00004	.00009	.00038	.00012	.00235	.01607	.00107
%RSD	68.301	244.27	150.50	58.405	312.98	31.927	109.74
#1	-.00001	-.00012	-.00069	-.00018	.00192	.06786	.00209
#2	-.00008	.00005	.00005	-.00010	-.00169	.03630	.00087
#3	-.00009	-.00004	-.00012	-.00033	-.00249	.04681	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**-.00020**	**.00000**	**.01108**	**.00052**	**-.00186**	**-.00069**
Stddev	.00775	.00044	.00012	.00729	.00013	.00074	.00084
%RSD	124.30	217.93	2561.7	65.754	25.235	39.907	120.88
#1	.00685	-.00031	-.00009	.01740	.00038	-.00193	-.00158
#2	.01366	-.00058	.00013	.00311	.00064	-.00256	-.00059
#3	-.00180	.00028	-.00004	.01274	.00054	-.00108	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 12:35:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **39.516**	**.01455**	F **-1.4097**	**-.00067**	**.00184**	**-.00013**	**-.00025**
Stddev	3.331	.02295	5.7947	.00100	.00136	.00048	.00026
%RSD	8.4288	157.70	411.07	150.38	73.855	361.22	101.98
#1	40.258	-.00146	-7.6611	-.00166	.00333	.00026	-.00038
#2	35.877	.00427	-.35004	-.00068	.00066	-.00067	-.00043
#3	42.413	.04085	3.7821	.00034	.00154	.00001	.00004
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00050**	**.00024**	**-.00026**	**-.00011**	**.00001**
Stddev	.00001	.00020	.00095	.00007	.00002	.00010
%RSD	17.553	39.048	391.86	28.556	21.902	1815.7
#1	-.00006	.00066	-.00084	-.00026	-.00014	.00003
#2	-.00004	.00028	.00062	-.00033	-.00011	-.00010
#3	-.00005	.00056	.00094	-.00018	-.00009	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33563.**	**27343.**
Stddev	53.	250.
%RSD	.15868	.91466
#1	33509.	27276.
#2	33615.	27620.
#3	33565.	27133.

Approved: April 07, 2011

Sample Name: L1103086149 Acquired: 4/6/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**49.220**	**.05878**	**.09032**	**1.6870**	**.00964**	**68.654**
Stddev	.00050	.175	.00155	.00017	.0093	.00010	.278
%RSD	5.8204	.35522	2.6285	.18543	.55248	1.0547	.40436
#1	.00882	49.029	.05701	.09015	1.6773	.00959	68.337
#2	.00892	49.372	.05951	.09032	1.6880	.00957	68.771
#3	.00801	49.260	.05983	.09048	1.6958	.00976	68.854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01550**	**.04680**	**.07009**	**1.3368**	**89.777**	**11.021**	**.05473**
Stddev	.00021	.00069	.00108	.0215	.481	.043	.00073
%RSD	1.3439	1.4656	1.5474	1.6067	.53602	.39034	1.3350
#1	.01529	.04612	.06931	1.3141	89.261	10.995	.05390
#2	.01551	.04680	.06964	1.3395	89.855	10.996	.05505
#3	.01570	.04749	.07133	1.3568	90.214	11.070	.05525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.150**	**7.6931**	**.00910**	**1.2457**	**.05412**	**7.0070**	**2.7538**
Stddev	.034	.0290	.00022	.0101	.00098	.1163	.0420
%RSD	.33428	.37721	2.4441	.81386	1.8145	1.6597	1.5263
#1	10.116	7.6609	.00906	1.2398	.05301	6.8844	2.7117
#2	10.150	7.7013	.00891	1.2574	.05449	7.0210	2.7540
#3	10.184	7.7172	.00934	1.2400	.05486	7.1157	2.7958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086149 Acquired: 4/6/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.761**	F **210.71**	F **-31764.**	**.01058**	**.00747**	**.53963**	**.09563**
Stddev	6.431	2.90	515.	.00174	.00081	.00682	.00167
%RSD	11.330	1.3754	1.6224	16.468	10.852	1.2629	1.7415
#1	63.948	207.61	-31227.	.00862	.00730	.53205	.09397
#2	51.550	211.18	-31812.	.01118	.00676	.54158	.09561
#3	54.785	213.35	-32254.	.01195	.00835	.54526	.09731
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40865**	**.31433**	**.00411**	**.07410**	**3.4931**	**.01480**
Stddev	.00137	.00109	.00080	.00084	.0562	.00010
%RSD	.33515	.34613	19.516	1.1376	1.6085	.66409
#1	.40707	.31307	.00446	.07326	3.4357	.01470
#2	.40948	.31486	.00467	.07410	3.4956	.01483
#3	.40940	.31504	.00319	.07494	3.5479	.01489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33289.**	**28403.**
Stddev	112.	69.
%RSD	.33682	.24248
#1	33406.	28377.
#2	33278.	28350.
#3	33183.	28480.

Approved: April 07, 2011

Sample Name: L1103086150 Acquired: 4/6/2011 12:42:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**36.165**	**.03704**	**.03500**	**.28509**	**.00211**	**432.90**
Stddev	.00007	.283	.00167	.00036	.00125	.00001	13.44
%RSD	2.7812	.78212	4.4966	1.0374	.43750	.30411	3.1055
#1	.00250	36.491	.03625	.03458	.28647	.00210	447.95
#2	.00253	36.013	.03591	.03525	.28405	.00211	422.07
#3	.00240	35.990	.03895	.03516	.28475	.00210	428.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**.01740**	**.04640**	**.21071**	**45.203**	**7.5154**	**.05384**
Stddev	.00012	.00019	.00036	.00089	.238	.0514	.00269
%RSD	3.8503	1.1015	.77455	.42146	.52608	.68368	4.9977
#1	.00307	.01720	.04609	.21166	45.471	7.5746	.05576
#2	.00298	.01741	.04679	.21055	45.018	7.4891	.05501
#3	.00322	.01759	.04630	.20991	45.120	7.4826	.05077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.009**	**1.9356**	**.00197**	**.12384**	**.03793**	**1.9291**	**.16969**
Stddev	.096	.0108	.00012	.01112	.00035	.0042	.00069
%RSD	.68639	.55723	5.9117	8.9808	.92111	.22003	.40857
#1	14.104	1.9471	.00199	.12738	.03786	1.9333	.16979
#2	13.912	1.9257	.00185	.13276	.03831	1.9293	.17032
#3	14.011	1.9341	.00208	.11138	.03763	1.9248	.16895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086150 Acquired: 4/6/2011 12:42:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **58.538**	F **497.97**	F **-11706.**	**.00395**	**.00469**	**.45912**	**.00315**
Stddev	6.446	1.09	16.	.00060	.00237	.00203	.00018
%RSD	11.012	.21869	.13503	15.150	50.557	.44243	5.5650
#1	55.502	497.67	-11724.	.00390	.00582	.46091	.00296
#2	54.171	499.18	-11700.	.00457	.00629	.45691	.00318
#3	65.942	497.07	-11695.	.00337	.00197	.45954	.00331
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10742**	**.14880**	**.00314**	**.07295**	**.26527**	**.00995**
Stddev	.00031	.00115	.00073	.00038	.00011	.00005
%RSD	.28974	.77369	23.320	.51428	.04025	.45286
#1	.10757	.15002	.00369	.07301	.26516	.00990
#2	.10763	.14774	.00343	.07328	.26530	.00999
#3	.10706	.14863	.00231	.07254	.26536	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32182.**	**27510.**
Stddev	81.	267.
%RSD	.25095	.97000
#1	32128.	27239.
#2	32143.	27773.
#3	32275.	27516.

Approved: April 07, 2011

Sample Name: L1103086151 Acquired: 4/6/2011 12:46:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**39.298**	**.03387**	**.03288**	**.32545**	**.00284**	**451.40**
Stddev	.00036	.088	.00148	.00043	.00112	.00003	2.75
%RSD	15.756	.22322	4.3746	1.3164	.34489	1.2143	.61030
#1	.00222	39.290	.03217	.03242	.32610	.00283	453.50
#2	.00194	39.214	.03454	.03296	.32415	.00288	448.28
#3	.00265	39.389	.03490	.03327	.32610	.00281	452.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.01980**	**.06294**	**.23220**	**47.288**	**7.4494**	**.06871**
Stddev	.00013	.00014	.00076	.00225	.164	.0185	.00172
%RSD	2.8185	.70366	1.2020	.97046	.34759	.24827	2.5018
#1	.00435	.01965	.06206	.22961	47.305	7.4383	.06718
#2	.00457	.01991	.06341	.23371	47.116	7.4392	.06837
#3	.00457	.01985	.06334	.23327	47.444	7.4708	.07057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.976**	**3.8550**	**.00183**	**.15316**	**.04871**	**2.4888**	**.24347**
Stddev	.142	.0081	.00010	.00486	.00028	.0086	.00281
%RSD	.40467	.21103	5.4527	3.1754	.56465	.34754	1.1544
#1	34.884	3.8466	.00195	.15517	.04887	2.4837	.24051
#2	34.906	3.8555	.00179	.14762	.04839	2.4839	.24610
#3	35.139	3.8628	.00176	.15671	.04886	2.4988	.24382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086151 Acquired: 4/6/2011 12:46:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **47.762**	F **514.89**	F **-8778.5**	**.00381**	**.00458**	**.43363**	**.00384**
Stddev	.998	3.18	77.3	.00099	.00185	.00174	.00029
%RSD	2.0902	.61702	.88050	26.080	40.469	.40062	7.6498
#1	47.584	511.26	-8764.2	.00383	.00420	.43384	.00384
#2	46.864	517.20	-8709.3	.00280	.00659	.43179	.00414
#3	48.837	516.19	-8861.9	.00479	.00295	.43525	.00355
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18705**	**.17450**	**.00288**	**.07380**	**.39256**	**.01315**
Stddev	.00047	.00088	.00138	.00097	.00384	.00017
%RSD	.25361	.50400	48.141	1.3166	.97802	1.3206
#1	.18656	.17425	.00141	.07269	.38870	.01295
#2	.18707	.17377	.00305	.07449	.39638	.01324
#3	.18751	.17547	.00417	.07421	.39259	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31676.**	**27698.**
Stddev	326.	121.
%RSD	1.0280	.43697
#1	31984.	27806.
#2	31335.	27722.
#3	31708.	27567.

Approved: April 07, 2011

Sample Name: L1103086152 Acquired: 4/6/2011 12:49:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**56.639**	**.03836**	**.03966**	**.37534**	**.00301**	**204.55**
Stddev	.00146	.200	.00044	.00080	.00130	.00002	.58
%RSD	53.125	.35361	1.1451	2.0053	.34628	.66891	.28455
#1	.00299	56.864	.03887	.04051	.37684	.00300	205.20
#2	.00119	56.479	.03807	.03894	.37465	.00303	204.08
#3	.00409	56.575	.03815	.03954	.37453	.00300	204.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.02320**	**.06408**	**.27348**	**59.008**	**11.444**	**.05376**
Stddev	.00001	.00007	.00026	.00057	.213	.048	.00157
%RSD	.29329	.30845	.40060	.20777	.36173	.41957	2.9297
#1	.00344	.02312	.06404	.27303	59.243	11.499	.05299
#2	.00343	.02326	.06435	.27330	58.826	11.419	.05557
#3	.00344	.02321	.06384	.27412	58.956	11.413	.05272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.762**	**2.7320**	**.00127**	**.13042**	**.05107**	**1.4431**	**.19295**
Stddev	.050	.0076	.00007	.00648	.00021	.0025	.00015
%RSD	.29729	.27991	5.6829	4.9700	.40909	.17198	.07898
#1	16.818	2.7408	.00130	.12304	.05085	1.4416	.19280
#2	16.722	2.7275	.00119	.13521	.05126	1.4416	.19294
#3	16.745	2.7276	.00133	.13301	.05110	1.4459	.19310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086152 Acquired: 4/6/2011 12:49:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.963**	F **246.92**	F **-7626.8**	**.00306**	**.00247**	**.37231**	**.00503**
Stddev	4.016	.37	24.9	.00071	.00137	.00103	.00022
%RSD	6.9292	.15124	.32598	23.193	55.201	.27775	4.4487
#1	62.205	246.63	-7598.4	.00372	.00141	.37126	.00494
#2	54.219	246.80	-7644.9	.00231	.00200	.37333	.00528
#3	57.464	247.34	-7637.0	.00316	.00402	.37234	.00486
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07332**	**.22624**	**.00286**	**.09019**	**.30253**	**.01888**
Stddev	.00020	.00128	.00066	.00030	.00042	.00009
%RSD	.27677	.56393	23.138	.33657	.13851	.48683
#1	.07355	.22771	.00220	.09009	.30217	.01887
#2	.07321	.22554	.00353	.09053	.30244	.01898
#3	.07320	.22546	.00284	.08995	.30299	.01880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32644.**	**27845.**
Stddev	35.	183.
%RSD	.10653	.65822
#1	32683.	27641.
#2	32633.	27997.
#3	32616.	27896.

Approved: April 07, 2011

Sample Name: L1103086153 Acquired: 4/6/2011 12:53:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**49.786**	**.02837**	**.03738**	**.43662**	**.00358**	**311.13**
Stddev	.00060	.513	.00098	.00026	.00229	.00004	6.83
%RSD	26.861	1.0295	3.4606	.70115	.52400	1.0220	2.1936
#1	.00184	49.238	.02833	.03711	.43451	.00354	308.41
#2	.00291	49.869	.02741	.03738	.43631	.00358	306.08
#3	.00192	50.253	.02937	.03764	.43905	.00361	318.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00288**	**.02750**	**.06425**	**.15300**	**61.596**	**12.044**	**.07225**
Stddev	.00005	.00022	.00026	.00022	.331	.068	.00081
%RSD	1.8252	.78871	.39759	.14190	.53779	.56546	1.1277
#1	.00287	.02725	.06415	.15275	61.313	11.987	.07264
#2	.00283	.02761	.06407	.15317	61.514	12.026	.07280
#3	.00293	.02764	.06455	.15307	61.960	12.119	.07132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.487**	**2.7565**	**.00163**	**.19895**	**.05397**	**3.0026**	**.14029**
Stddev	.162	.0193	.00028	.00740	.00020	.0148	.00182
%RSD	.63719	.69937	17.468	3.7217	.37957	.49288	1.2986
#1	25.399	2.7401	.00130	.20387	.05401	2.9868	.13818
#2	25.387	2.7517	.00180	.19044	.05375	3.0050	.14141
#3	25.674	2.7778	.00179	.20255	.05416	3.0161	.14126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086153 Acquired: 4/6/2011 12:53:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **65.721**	F **350.31**	F **-6593.2**	**.00377**	**.00125**	**.44984**	**.00352**
Stddev	12.128	2.10	37.6	.00037	.00051	.00293	.00017
%RSD	18.454	.59868	.57034	9.8478	40.657	.65054	4.7045
#1	64.724	348.92	-6554.7	.00415	.00183	.44707	.00350
#2	78.318	349.29	-6594.9	.00341	.00102	.44955	.00369
#3	54.123	352.73	-6629.9	.00375	.00089	.45290	.00336
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19209**	**.14896**	**.00395**	**.09098**	**.29813**	**.01845**
Stddev	.00133	.00048	.00117	.00065	.00222	.00011
%RSD	.69471	.32079	29.595	.71992	.74627	.58275
#1	.19059	.14857	.00274	.09094	.29679	.01844
#2	.19251	.14882	.00405	.09035	.29690	.01834
#3	.19315	.14949	.00507	.09166	.30070	.01856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32544.**	**27843.**
Stddev	102.	249.
%RSD	.31349	.89266
#1	32610.	28057.
#2	32596.	27902.
#3	32427.	27571.

Approved: April 07, 2011

Sample Name: L1103090601 Acquired: 4/6/2011 12:56:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**173.53**	**.12020**	**.16479**	**1.5959**	**.00713**	**132.18**
Stddev	.00032	1.14	.00041	.00274	.0043	.00003	.68
%RSD	2.7126	.65552	.33899	1.6654	.26752	.37740	.51669
#1	.01217	174.45	.12065	.16768	1.6007	.00710	132.80
#2	.01195	172.26	.12007	.16222	1.5943	.00715	131.45
#3	.01154	173.88	.11987	.16448	1.5927	.00714	132.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00517**	**.10115**	**.21320**	**4.0122**	**256.46**	**46.240**	**.21290**
Stddev	.00014	.00022	.00186	.0130	4.67	.149	.00136
%RSD	2.7260	.21298	.87417	.32396	1.8194	.32312	.63946
#1	.00533	.10106	.21175	3.9980	260.86	46.298	.21431
#2	.00505	.10100	.21530	4.0152	251.56	46.070	.21279
#3	.00513	.10140	.21256	4.0235	256.96	46.352	.21159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**84.903**	**4.9254**	**.03038**	**3.9053**	**.18369**	**7.1654**	**.22007**
Stddev	.400	.0145	.00010	.0172	.00068	.0219	.00097
%RSD	.47154	.29412	.34367	.43993	.36952	.30570	.44092
#1	85.055	4.9304	.03026	3.9174	.18318	7.1403	.22003
#2	84.449	4.9091	.03044	3.8856	.18343	7.1747	.22107
#3	85.205	4.9368	.03044	3.9128	.18446	7.1810	.21913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090601 Acquired: 4/6/2011 12:56:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **96.800**	F **483.76**	F **-83908.**	**.00821**	**.00625**	**1.0757**	**.01645**
Stddev	13.323	2.31	119.	.00076	.00221	.0051	.00007
%RSD	13.763	.47693	.14132	9.3159	35.265	.46996	.39736
#1	101.21	481.20	-83794.	.00908	.00845	1.0699	.01643
#2	107.36	485.68	-84031.	.00789	.00627	1.0776	.01639
#3	81.831	484.39	-83899.	.00765	.00404	1.0795	.01652
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64734**	**1.5446**	**.00927**	**.36967**	**.72133**	**.11072**
Stddev	.00300	.0029	.00192	.00049	.00115	.00027
%RSD	.46267	.18773	20.678	.13317	.15908	.24326
#1	.65004	1.5478	.00776	.36932	.72013	.11046
#2	.64412	1.5422	.00863	.36945	.72143	.11100
#3	.64787	1.5437	.01143	.37023	.72242	.11069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32245.**	**28143.**
Stddev	18.	428.
%RSD	.05685	1.5199
#1	32247.	27674.
#2	32226.	28511.
#3	32263.	28246.

Approved: April 07, 2011

Sample Name: L1103090602 Acquired: 4/6/2011 13:00:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**128.31**	**.06378**	**.11021**	**1.5785**	**.00774**	**224.59**
Stddev	.00060	.25	.00081	.00028	.0059	.00000	.32
%RSD	10.589	.19781	1.2727	.25696	.37320	.03349	.14082
#1	.00497	128.54	.06472	.11026	1.5845	.00774	224.92
#2	.00580	128.35	.06335	.11047	1.5783	.00775	224.58
#3	.00613	128.04	.06328	.10991	1.5727	.00774	224.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00399**	**.08551**	**.16274**	**2.9816**	**201.47**	**35.194**	**.17417**
Stddev	.00012	.00026	.00042	.0083	.23	.061	.00110
%RSD	3.0892	.30708	.26041	.27966	.11408	.17430	.63075
#1	.00395	.08565	.16265	2.9872	201.24	35.223	.17508
#2	.00389	.08566	.16321	2.9855	201.70	35.234	.17449
#3	.00413	.08520	.16238	2.9720	201.47	35.123	.17295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.265**	**4.2314**	**.02246**	**5.5165**	**.15349**	**6.2659**	**.15301**
Stddev	.353	.0002	.00015	.0159	.00077	.0160	.00058
%RSD	.46962	.00527	.66953	.28850	.50191	.25495	.37795
#1	74.880	4.2312	.02241	5.5341	.15386	6.2747	.15299
#2	75.342	4.2313	.02235	5.5030	.15401	6.2756	.15359
#3	75.574	4.2316	.02263	5.5125	.15261	6.2475	.15244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090602 Acquired: 4/6/2011 13:00:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **66.472**	F **546.04**	F **-76012.**	**.00575**	**.00306**	**1.7261**	**.00745**
Stddev	19.394	2.21	211.	.00194	.00124	.0076	.00013
%RSD	29.176	.40561	.27771	33.790	40.607	.44224	1.7622
#1	88.398	548.03	-76241.	.00754	.00428	1.7311	.00743
#2	59.456	546.44	-75971.	.00601	.00311	1.7298	.00760
#3	51.562	543.65	-75824.	.00369	.00180	1.7173	.00734
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76243**	**.61639**	**.00647**	**.26103**	**.57808**	**.07332**
Stddev	.00364	.00026	.00112	.00019	.00029	.00025
%RSD	.47732	.04156	17.283	.07174	.04997	.33814
#1	.76649	.61656	.00774	.26124	.57819	.07347
#2	.76131	.61610	.00562	.26088	.57830	.07345
#3	.75948	.61652	.00606	.26095	.57776	.07303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31738.**	**27313.**
Stddev	67.	265.
%RSD	.21135	.97164
#1	31673.	27607.
#2	31734.	27238.
#3	31807.	27093.

Approved: April 07, 2011

Sample Name: L1103090603 Acquired: 4/6/2011 13:03:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**136.25**	**.11573**	**.12376**	**1.7186**	**.00861**
Stddev	.00053	.92	.00113	.00029	.0072	.00005
%RSD	10.047	.67266	.98064	.23243	.41948	.59530
#1	.00491	137.26	.11613	.12380	1.7262	.00865
#2	.00588	136.05	.11445	.12346	1.7119	.00863
#3	.00504	135.46	.11661	.12403	1.7178	.00856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**209.66**	**.00517**	**.09300**	**.18336**	**3.4499**	**228.73**
Stddev	1.08	.00014	.00016	.00050	.0087	.74
%RSD	.51707	2.7717	.17400	.27524	.25140	.32262
#1	210.91	.00533	.09284	.18380	3.4480	229.54
#2	209.05	.00504	.09316	.18281	3.4594	228.09
#3	209.02	.00515	.09300	.18348	3.4423	228.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.069**	**.18591**	**83.713**	**4.3465**	**.03201**	**3.2724**
Stddev	.118	.00127	.237	.0073	.00022	.0174
%RSD	.31125	.68410	.28267	.16697	.69924	.53180
#1	38.205	.18725	83.926	4.3549	.03185	3.2856
#2	38.018	.18472	83.458	4.3429	.03190	3.2789
#3	37.985	.18575	83.754	4.3418	.03226	3.2527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090603 Acquired: 4/6/2011 13:03:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16963**	**5.7205**	**.16623**	F **47.429**	F **651.33**	F **-103820.**
Stddev	.00111	.0124	.00247	8.442	2.19	141.
%RSD	.65643	.21637	1.4846	17.800	.33573	.13574
#1	.16973	5.7125	.16624	38.379	651.10	-103880.
#2	.17069	5.7348	.16376	55.092	653.62	-103920.
#3	.16847	5.7143	.16870	48.815	649.27	-103660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00686**	**.00431**	**1.8143**	**.00852**	**.74001**	**.58807**
Stddev	.00107	.00310	.0057	.00022	.00373	.00163
%RSD	15.670	71.813	.31567	2.5495	.50419	.27687
#1	.00579	.00194	1.8085	.00861	.74386	.58994
#2	.00684	.00781	1.8199	.00827	.73974	.58698
#3	.00794	.00318	1.8145	.00868	.73642	.58729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00685**	**.28299**	**.67165**	**.08793**
Stddev	.00069	.00079	.00078	.00013
%RSD	10.009	.27754	.11621	.14788
#1	.00612	.28387	.67224	.08790
#2	.00749	.28273	.67196	.08782
#3	.00693	.28236	.67077	.08807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090603 Acquired: 4/6/2011 13:03:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31702.**	**26896.**
Stddev	77.	232.
%RSD	.24228	.86159
#1	31614.	26629.
#2	31742.	27049.
#3	31751.	27009.

Approved: April 07, 2011

Sample Name: L1103085908 Acquired: 4/6/2011 13:07:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**53.536**	**.04844**	**.06417**	**.76870**	**.00497**	**62.223**
Stddev	.00047	.216	.00103	.00002	.00220	.00001	.144
%RSD	8.5410	.40375	2.1182	.02724	.28559	.28565	.23156
#1	.00550	53.318	.04941	.06417	.76703	.00497	62.111
#2	.00502	53.751	.04737	.06419	.77118	.00495	62.386
#3	.00596	53.538	.04854	.06415	.76788	.00498	62.173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00625**	**.03539**	**.08328**	**.84308**	**133.44**	**10.976**	**.04840**
Stddev	.00007	.00011	.00055	.00230	.41	.030	.00051
%RSD	1.0397	.30068	.66253	.27239	.31036	.27210	1.0598
#1	.00630	.03528	.08292	.84043	133.08	10.950	.04881
#2	.00618	.03541	.08300	.84441	133.89	11.009	.04783
#3	.00628	.03549	.08391	.84440	133.34	10.968	.04857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6816**	**6.1758**	**.00730**	**.69165**	**.05560**	**1.3431**	**.49326**
Stddev	.0319	.0165	.00020	.00980	.00039	.0031	.00206
%RSD	.32945	.26780	2.7486	1.4170	.70934	.22780	.41766
#1	9.6529	6.1568	.00753	.68136	.05586	1.3427	.49299
#2	9.7159	6.1842	.00715	.70088	.05515	1.3403	.49135
#3	9.6759	6.1865	.00721	.69271	.05580	1.3463	.49544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085908 Acquired: 4/6/2011 13:07:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **36.096**	F **128.22**	F **-14967.**	**.02426**	**.00498**	**1.3642**	**.01791**
Stddev	10.242	.33	82.	.00056	.00035	.0029	.00026
%RSD	28.374	.25950	.55039	2.3072	7.0034	.21473	1.4537
#1	45.118	127.95	-14933.	.02379	.00480	1.3631	.01812
#2	24.963	128.12	-14907.	.02488	.00475	1.3619	.01762
#3	38.206	128.59	-15061.	.02411	.00538	1.3675	.01798
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12977**	**.25142**	**.00557**	**.12854**	**.66562**	**.02640**
Stddev	.00044	.00062	.00058	.00074	.00239	.00021
%RSD	.34292	.24619	10.438	.57816	.35896	.78151
#1	.12928	.25076	.00552	.12896	.66322	.02630
#2	.13015	.25153	.00501	.12769	.66563	.02626
#3	.12988	.25198	.00617	.12898	.66800	.02664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32936.**	**26563.**
Stddev	68.	124.
%RSD	.20576	.46790
#1	32885.	26646.
#2	33013.	26420.
#3	32911.	26623.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:10:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40965**	**9.9704**	**.40909**	**.51403**	**.99965**	**.05068**	**9.9421**
Stddev	.00402	.0034	.00164	.00275	.00195	.00038	.0149
%RSD	.98172	.03393	.40086	.53490	.19552	.74706	.15015
#1	.40501	9.9737	.41097	.51090	.99743	.05027	9.9249
#2	.41180	9.9669	.40829	.51606	1.0004	.05102	9.9500
#3	.41213	9.9707	.40800	.51512	1.0011	.05076	9.9514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**.20812**	**.51218**	**.51913**	**4.0165**	**50.169**	**1.0070**
Stddev	.00017	.00072	.00282	.00168	.0065	.067	.0013
%RSD	.32098	.34498	.55030	.32445	.16106	.13420	.13012
#1	.05195	.20893	.50922	.52106	4.0109	50.093	1.0085
#2	.05162	.20756	.51483	.51793	4.0151	50.222	1.0067
#3	.05184	.20788	.51247	.51841	4.0236	50.191	1.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.199**	**.50782**	**1.0214**	**50.265**	**.51693**	F **-.00220**	**.52486**
Stddev	.014	.00073	.0016	.049	.00211	.00263	.00148
%RSD	.13507	.14377	.15417	.09657	.40905	119.53	.28180
#1	10.208	.50818	1.0225	50.287	.51932	-.00424	.52352
#2	10.206	.50831	1.0223	50.299	.51529	.00077	.52645
#3	10.183	.50698	1.0196	50.210	.51619	-.00313	.52463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:10:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.868**	**10.642**	F **2.7545**	**1.2451**	**.41169**	**5.1812**	**1.0338**
Stddev	10.409	.010	3.7002	.0022	.00108	.0170	.0019
%RSD	87.705	.09159	134.34	.17341	.26232	.32895	.18245
#1	1.4764	10.644	-1.3846	1.2471	.41292	5.1997	1.0360
#2	22.293	10.631	5.7420	1.2455	.41091	5.1662	1.0327
#3	11.833	10.650	3.9060	1.2428	.41124	5.1776	1.0327
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99868**	**1.0084**	**.52745**	**1.0338**	**1.0276**	F **.00113**
Stddev	.00067	.0021	.00098	.0083	.0024	.00015
%RSD	.06747	.20595	.18567	.80791	.23053	13.247
#1	.99802	1.0060	.52852	1.0247	1.0299	.00097
#2	.99937	1.0092	.52724	1.0412	1.0279	.00118
#3	.99865	1.0099	.52659	1.0355	1.0252	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32290.**	**25651.**
Stddev	25.	75.
%RSD	.07667	.29264
#1	32304.	25566.
#2	32262.	25682.
#3	32305.	25706.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 13:14:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.01196**	**.00052**	**-.00184**	**-.00023**	**.00000**	**-.00519**
Stddev	.00034	.01022	.00058	.00048	.00024	.00002	.00585
%RSD	224.12	85.430	111.57	26.052	105.37	626.20	112.77
#1	-.00027	-.01923	.00087	-.00130	-.00046	.00000	-.00038
#2	-.00042	-.00028	-.00015	-.00202	-.00025	-.00002	-.00349
#3	.00023	-.01638	.00084	-.00221	.00002	.00002	-.01171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00008**	**-.00016**	**-.00016**	**.00112**	**.07249**	**.00017**
Stddev	.00002	.00010	.00005	.00021	.00125	.00745	.00085
%RSD	33.105	119.30	33.691	129.34	111.69	10.280	507.58
#1	-.00006	-.00019	-.00015	-.00014	-.00011	.07980	.00091
#2	-.00005	-.00008	-.00021	-.00038	.00108	.06491	.00034
#3	-.00003	.00001	-.00010	.00004	.00239	.07277	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.00001**	**.00001**	**.00428**	**.00020**	**-.00141**	**-.00027**
Stddev	.01283	.00018	.00013	.00329	.00044	.00108	.00115
%RSD	796.94	3093.3	846.91	76.854	217.20	77.043	422.06
#1	.00941	-.00009	.00015	.00621	.00061	-.00239	.00006
#2	.00145	.00022	-.00002	.00615	.00026	-.00024	-.00155
#3	-.01569	-.00011	-.00009	.00048	-.00026	-.00159	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 13:14:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.412**	**.02907**	F **2.2552**	**.00069**	**.00090**	**.00041**	**-.00017**
Stddev	18.082	.03237	4.2630	.00122	.00041	.00012	.00024
%RSD	110.18	111.35	189.04	177.93	45.852	30.045	135.28
#1	27.819	.04791	-2.3166	.00034	.00128	.00032	.00007
#2	25.854	-.00831	6.1215	-.00032	.00097	.00035	-.00020
#3	-4.4365	.04762	2.9606	.00205	.00046	.00055	-.00040
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00018**	**-.00043**	**-.00002**	**-.00007**	**-.00003**
Stddev	.00003	.00100	.00078	.00008	.00011	.00007
%RSD	27.112	562.80	182.36	329.08	150.81	201.90
#1	-.00013	.00131	.00041	.00001	-.00006	-.00010
#2	-.00008	-.00024	-.00057	-.00012	.00003	.00004
#3	-.00010	-.00055	-.00112	.00003	-.00019	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32843.**	**25914.**
Stddev	25.	248.
%RSD	.07479	.95656
#1	32859.	26049.
#2	32856.	26065.
#3	32815.	25628.

Approved: April 07, 2011

Sample Name: PBS 7B Acquired: 4/6/2011 13:17:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**-.01739**	**-.00143**	**-.00188**	**.00138**	**.00004**	**.23105**
Stddev	.00068	.00189	.00065	.00038	.00005	.00001	.00641
%RSD	70.002	10.883	45.357	19.942	3.5852	35.481	2.7730
#1	.00152	-.01526	-.00217	-.00148	.00143	.00003	.23839
#2	.00021	-.01805	-.00095	-.00222	.00138	.00006	.22815
#3	.00120	-.01887	-.00117	-.00195	.00133	.00003	.22660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00045**	**.00085**	**.00302**	**.04970**	**.06505**	**-.00016**
Stddev	.00004	.00007	.00043	.00025	.00178	.00494	.00129
%RSD	20.105	14.718	50.077	8.2796	3.5841	7.5918	801.68
#1	.00017	-.00041	.00100	.00294	.04872	.06679	-.00006
#2	.00019	-.00053	.00118	.00281	.05175	.05948	.00108
#3	.00024	-.00041	.00037	.00329	.04861	.06889	-.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07848**	**.00055**	**.00007**	**.06973**	**.00092**	F **-.01159**	**.00086**
Stddev	.01409	.00027	.00009	.01382	.00014	.00027	.00054
%RSD	17.953	49.950	125.31	19.811	15.559	2.3202	62.707
#1	.09472	.00024	.00003	.07000	.00076	-.01182	.00130
#2	.07130	.00076	.00017	.08342	.00103	-.01130	.00104
#3	.06943	.00065	.00001	.05579	.00095	-.01166	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 7B Acquired: 4/6/2011 13:17:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **24.192**	**.84323**	F **-137.89**	**.00203**	**.00117**	**.02305**	**.00121**
Stddev	9.202	.04400	1.67	.00113	.00156	.00031	.00013
%RSD	38.036	5.2186	1.2079	55.407	133.35	1.3518	11.124
#1	33.269	.80585	-138.69	.00193	-.00056	.02306	.00110
#2	24.436	.83210	-135.98	.00096	.00161	.02274	.00116
#3	14.871	.89173	-139.02	.00321	.00246	.02336	.00136
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00110**	**-.00280**	**.00002**	**.00360**	**-.00005**
Stddev	.00002	.00044	.00039	.00013	.00005	.00009
%RSD	13.980	39.756	13.850	589.14	1.4293	200.77
#1	.00019	.00066	-.00283	.00004	.00366	.00000
#2	.00016	.00111	-.00316	.00015	.00356	-.00015
#3	.00014	.00153	-.00239	-.00012	.00357	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32537.**	**25721.**
Stddev	146.	71.
%RSD	.44746	.27622
#1	32518.	25646.
#2	32691.	25729.
#3	32401.	25787.

Approved: April 07, 2011

Sample Name: LCSS 7B Acquired: 4/6/2011 13:21:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19725**	**-.00840**	**.19664**	**-.00275**	**.00156**	**.00008**	**.04800**
Stddev	.00102	.00597	.00153	.00015	.00006	.00001	.00215
%RSD	.51913	71.084	.77671	5.5837	3.5569	11.330	4.4824
#1	.19840	-.01243	.19517	-.00274	.00154	.00008	.04713
#2	.19645	-.01123	.19655	-.00261	.00151	.00009	.05045
#3	.19690	-.00154	.19822	-.00292	.00162	.00007	.04641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02529**	**-.00049**	**.00091**	**.26649**	**.01770**	**.03759**	**.00075**
Stddev	.00005	.00009	.00016	.00156	.00221	.02368	.00191
%RSD	.20208	18.445	17.673	.58554	12.489	62.997	254.52
#1	.02523	-.00053	.00077	.26500	.02011	.05130	.00296
#2	.02532	-.00038	.00087	.26635	.01578	.01025	-.00038
#3	.02533	-.00055	.00108	.26811	.01720	.05122	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02517**	**.26912**	**.00010**	**.05649**	**.00081**	F **-.01045**	**.27203**
Stddev	.00169	.00098	.00004	.00900	.00029	.00148	.00032
%RSD	6.7081	.36552	40.950	15.926	35.525	14.121	.11733
#1	.02400	.26854	.00012	.06575	.00075	-.01157	.27220
#2	.02711	.27025	.00005	.04778	.00056	-.00878	.27222
#3	.02441	.26855	.00013	.05594	.00113	-.01099	.27166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 7B Acquired: 4/6/2011 13:21:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.302**	**.20689**	F **-25.963**	**.00364**	**.00349**	**.01021**	**.00084**
Stddev	18.417	.00206	5.176	.00087	.00176	.00075	.00018
%RSD	178.76	.99563	19.936	23.908	50.542	7.3051	21.994
#1	20.152	.20498	-24.981	.00306	.00275	.00966	.00063
#2	21.700	.20660	-21.349	.00464	.00222	.00991	.00097
#3	-10.945	.20907	-31.560	.00322	.00551	.01106	.00091
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00060**	**-.00185**	**-.00008**	**.00490**	**-.00012**
Stddev	.00004	.00049	.00111	.00018	.00006	.00012
%RSD	107.14	81.969	60.071	241.01	1.2950	97.659
#1	.00001	.00011	-.00311	-.00002	.00492	-.00009
#2	.00002	.00109	-.00104	-.00028	.00483	-.00003
#3	.00008	.00059	-.00139	.00007	.00495	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32471.**	**25689.**
Stddev	51.	200.
%RSD	.15628	.77991
#1	32504.	25907.
#2	32496.	25646.
#3	32412.	25513.

Approved: April 07, 2011

Sample Name: L1103090604 Acquired: 4/6/2011 13:24:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**106.38**	**.08704**	**.09606**	**1.6403**	**.00799**
Stddev	.00025	.43	.00157	.00020	.0060	.00001
%RSD	5.5707	.40048	1.8047	.20575	.36883	.12242
#1	.00432	105.90	.08548	.09627	1.6340	.00798
#2	.00474	106.70	.08863	.09604	1.6461	.00799
#3	.00431	106.56	.08700	.09588	1.6408	.00799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**290.53**	**.00442**	**.09457**	**.14717**	**3.7932**	**190.65**
Stddev	1.12	.00005	.00047	.00034	.0161	.78
%RSD	.38603	1.0627	.49762	.23123	.42381	.40689
#1	289.27	.00437	.09418	.14697	3.7793	189.81
#2	291.40	.00446	.09509	.14756	3.8108	191.33
#3	290.93	.00444	.09444	.14698	3.7894	190.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.888**	**.16743**	**76.268**	**4.6880**	**.03175**	**3.7850**
Stddev	.116	.00098	.378	.0102	.00018	.0142
%RSD	.44623	.58484	.49572	.21694	.56691	.37586
#1	25.764	.16642	75.867	4.6771	.03162	3.7686
#2	25.993	.16837	76.617	4.6894	.03196	3.7933
#3	25.908	.16750	76.321	4.6973	.03168	3.7932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090604 Acquired: 4/6/2011 13:24:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15458**	**6.7960**	**.19715**	F **61.798**	F **767.71**	F **-108640.**
Stddev	.00122	.0290	.00128	6.076	4.15	217.
%RSD	.79115	.42618	.64861	9.8314	.54010	.19996
#1	.15330	6.7667	.19572	61.347	765.19	-108550.
#2	.15573	6.8246	.19817	68.086	772.50	-108880.
#3	.15473	6.7966	.19757	55.960	765.45	-108480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00652**	**.00685**	**1.7738**	**.00585**	**.84988**	**.38647**
Stddev	.00020	.00173	.0077	.00035	.00247	.00058
%RSD	3.0547	25.240	.43488	6.0120	.29110	.14998
#1	.00670	.00788	1.7659	.00544	.84753	.38583
#2	.00655	.00781	1.7813	.00608	.84966	.38660
#3	.00631	.00485	1.7741	.00602	.85246	.38697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00525**	**.27965**	**.62580**	**.06635**
Stddev	.00110	.00057	.00294	.00013
%RSD	20.958	.20294	.46973	.19594
#1	.00557	.27936	.62262	.06647
#2	.00402	.27929	.62843	.06639
#3	.00615	.28030	.62634	.06621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090604 Acquired: 4/6/2011 13:24:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31554.**	**27240.**
Stddev	124.	182.
%RSD	.39190	.66958
#1	31633.	27360.
#2	31412.	27030.
#3	31618.	27331.

Approved: April 07, 2011

Sample Name: L1103090604PS Acquired: 4/6/2011 13:28:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360939-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20332**	**101.71**	**.27322**	**1.0100**	**1.9712**	**.03221**	**270.16**
Stddev	.00098	.44	.00133	.0075	.0040	.00008	.85
%RSD	.48144	.43642	.48683	.73775	.20204	.24839	.31565
#1	.20300	102.21	.27464	1.0083	1.9743	.03213	270.97
#2	.20255	101.35	.27301	1.0035	1.9667	.03222	269.27
#3	.20442	101.58	.27201	1.0181	1.9725	.03229	270.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02855**	**.18097**	**.37771**	**3.6087**	**175.78**	**47.798**	**.63673**
Stddev	.00017	.00064	.00151	.0121	.48	.112	.00091
%RSD	.59881	.35112	.39897	.33564	.27092	.23420	.14322
#1	.02863	.18098	.37698	3.6022	175.89	47.844	.63778
#2	.02835	.18033	.37672	3.6012	175.26	47.670	.63610
#3	.02866	.18160	.37945	3.6227	176.20	47.880	.63632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.062**	**4.4958**	**.52187**	**27.797**	**.37787**	**6.1339**	**.41094**
Stddev	.233	.0076	.00083	.091	.00085	.0149	.00202
%RSD	.31439	.16874	.15868	.32673	.22587	.24345	.49062
#1	74.066	4.5002	.52282	27.902	.37773	6.1249	.41032
#2	73.827	4.4870	.52136	27.738	.37710	6.1256	.40931
#3	74.293	4.5000	.52142	27.752	.37879	6.1511	.41319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090604PS Acquired: 4/6/2011 13:28:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360939-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **44.129**	F **688.01**	F **-98805.**	**.58267**	**.19445**	**4.0642**	**.00633**
Stddev	1.964	2.58	61.	.00029	.00345	.0063	.00019
%RSD	4.4497	.37552	.06177	.04924	1.7752	.15586	2.9303
#1	42.930	686.80	-98769.	.58235	.19066	4.0682	.00612
#2	46.395	686.25	-98771.	.58290	.19742	4.0569	.00636
#3	43.061	690.98	-98876.	.58277	.19527	4.0675	.00649
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2511**	**.83132**	**.23657**	**.75041**	**1.0355**	**.06063**
Stddev	.0047	.00149	.00187	.00316	.0029	.00040
%RSD	.37840	.17943	.79169	.42099	.28188	.66174
#1	1.2565	.83142	.23467	.75001	1.0342	.06036
#2	1.2477	.82978	.23661	.74747	1.0335	.06044
#3	1.2490	.83276	.23842	.75375	1.0389	.06109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31662.**	**26938.**
Stddev	88.	146.
%RSD	.27746	.54305
#1	31646.	26812.
#2	31757.	27099.
#3	31584.	26903.

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**22.523**	**.02042**	**.02010**	**.33762**	**.00166**	**62.394**
Stddev	.00032	.175	.00062	.00080	.00109	.00002	.374
%RSD	21.114	.77920	3.0185	3.9638	.32431	1.1595	.59927
#1	.00147	22.454	.01975	.02074	.33685	.00164	62.130
#2	.00123	22.392	.02054	.01921	.33714	.00168	62.230
#3	.00187	22.722	.02097	.02035	.33888	.00165	62.822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.02147**	**.03119**	**.85026**	**40.666**	**5.5636**	**.03647**
Stddev	.00007	.00037	.00037	.01479	.178	.0375	.00062
%RSD	7.2059	1.7449	1.1877	1.7389	.43864	.67334	1.6911
#1	.00087	.02104	.03094	.83335	40.555	5.6041	.03577
#2	.00093	.02161	.03162	.85672	40.572	5.5302	.03694
#3	.00101	.02175	.03101	.86072	40.872	5.5564	.03670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.683**	**.99937**	**.00675**	**.79948**	**.03531**	**1.5747**	**.04632**
Stddev	.064	.00771	.00020	.01109	.00053	.0299	.00087
%RSD	.38367	.77135	2.9715	1.3866	1.4904	1.8996	1.8827
#1	16.619	.99184	.00660	.78837	.03471	1.5403	.04654
#2	16.684	.99901	.00668	.79952	.03565	1.5942	.04707
#3	16.747	1.0072	.00698	.81054	.03559	1.5897	.04536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.2875**	F **176.70**	F **-25084.**	**.00124**	**.00237**	**.39912**	**.00105**
Stddev	6.9924	2.53	406.	.00046	.00153	.00697	.00024
%RSD	305.67	1.4327	1.6194	36.964	64.855	1.7466	22.493
#1	4.1391	173.81	-24619.	.00107	.00060	.39109	.00094
#2	-9.7337	177.78	-25368.	.00089	.00342	.40262	.00090
#3	-1.2680	178.51	-25265.	.00176	.00308	.40365	.00133
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17666**	**.08091**	**.00211**	**.05748**	**.14209**	**.01330**
Stddev	.00159	.00042	.00079	.00097	.00196	.00018
%RSD	.90202	.52364	37.355	1.6839	1.3769	1.3568
#1	.17512	.08101	.00293	.05685	.13985	.01314
#2	.17655	.08044	.00136	.05860	.14347	.01350
#3	.17830	.08127	.00203	.05701	.14296	.01327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33385.**	**26472.**
Stddev	286.	64.
%RSD	.85740	.24105
#1	33347.	26539.
#2	33119.	26465.
#3	33688.	26412.

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:35:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**4.6935**	**.00490**	**.00170**	**.06946**	**.00033**	**12.941**
Stddev	.00029	.0365	.00070	.00022	.00009	.00003	.050
%RSD	25.837	.77865	14.274	13.029	.12574	8.6734	.38875
#1	.00106	4.6826	.00425	.00145	.06937	.00030	12.898
#2	.00084	4.6637	.00564	.00188	.06946	.00033	12.928
#3	.00141	4.7343	.00481	.00176	.06955	.00036	12.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00436**	**.00598**	**.17603**	**8.3558**	**1.1346**	**.00770**
Stddev	.00002	.00013	.00008	.00085	.0114	.0212	.00014
%RSD	22.980	2.9385	1.4219	.48330	.13637	1.8648	1.8438
#1	.00008	.00431	.00605	.17523	8.3490	1.1299	.00766
#2	.00008	.00427	.00599	.17594	8.3690	1.1162	.00786
#3	.00005	.00451	.00589	.17692	8.3494	1.1577	.00758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5107**	**.20928**	**.00109**	**.16499**	**.00720**	**.32383**	**.01002**
Stddev	.0048	.00016	.00008	.01097	.00028	.00066	.00052
%RSD	.13582	.07713	7.1692	6.6495	3.8987	.20247	5.2189
#1	3.5072	.20946	.00102	.16532	.00713	.32365	.00942
#2	3.5161	.20918	.00108	.17579	.00751	.32328	.01034
#3	3.5088	.20919	.00118	.15385	.00696	.32456	.01030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:35:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8013**	F **37.664**	F **-5089.3**	**-.00064**	**-.00001**	**.07805**	**.00010**
Stddev	7.5648	.290	34.3	.00034	.00118	.00166	.00021
%RSD	157.56	.76948	.67410	52.675	11261.	2.1256	204.72
#1	11.144	37.355	-5072.4	-.00049	.00018	.07620	.00005
#2	-3.5714	37.708	-5066.6	-.00102	-.00127	.07941	-.00007
#3	6.8313	37.929	-5128.7	-.00040	.00106	.07855	.00033
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03701**	**.01686**	**.00142**	**.01171**	**.02930**	**.00207**
Stddev	.00018	.00047	.00039	.00017	.00007	.00005
%RSD	.49201	2.7904	27.416	1.4732	.24749	2.3303
#1	.03692	.01728	.00097	.01156	.02926	.00212
#2	.03689	.01696	.00168	.01190	.02926	.00203
#3	.03722	.01635	.00160	.01166	.02939	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33258.**	**26354.**
Stddev	122.	300.
%RSD	.36559	1.1398
#1	33397.	26695.
#2	33171.	26241.
#3	33207.	26127.

Approved: April 07, 2011

Sample Name: L1103090605 Acquired: 4/6/2011 13:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00544**	**93.335**	**.24941**	**.10891**	**1.4837**	**.00733**	**360.18**
Stddev	.00040	.452	.00178	.00112	.0056	.00006	7.26
%RSD	7.3570	.48435	.71377	1.0265	.38088	.80212	2.0169
#1	.00534	93.511	.24740	.11011	1.4854	.00728	355.52
#2	.00588	93.671	.25079	.10873	1.4882	.00739	368.55
#3	.00510	92.821	.25004	.10789	1.4773	.00733	356.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.09774**	**.14514**	**9.9386**	**172.46**	**27.613**	**.18049**
Stddev	.00004	.00028	.00029	.0207	.72	.135	.00097
%RSD	.34668	.28219	.20052	.20800	.41742	.48957	.53871
#1	.01056	.09797	.14488	9.9211	172.36	27.558	.18098
#2	.01062	.09781	.14509	9.9614	173.22	27.767	.18112
#3	.01062	.09743	.14546	9.9333	171.79	27.514	.17937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.112**	**4.8338**	**.03364**	**2.7148**	**.15355**	**9.8155**	**.59456**
Stddev	.385	.0133	.00051	.0099	.00067	.0112	.00131
%RSD	.51191	.27542	1.5270	.36416	.43901	.11447	.21963
#1	74.818	4.8264	.03370	2.7149	.15432	9.8249	.59428
#2	75.547	4.8492	.03310	2.7247	.15323	9.8186	.59598
#3	74.971	4.8259	.03412	2.7049	.15309	9.8031	.59341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090605 Acquired: 4/6/2011 13:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **58.952**	F **550.40**	F **-40719.**	**.01877**	**.00840**	**1.8566**	**.03063**
Stddev	7.558	.30	170.	.00262	.00196	.0017	.00040
%RSD	12.820	.05398	.41826	13.964	23.297	.09255	1.3108
#1	62.713	550.18	-40913.	.01916	.00633	1.8576	.03017
#2	50.252	550.74	-40646.	.01598	.01022	1.8575	.03090
#3	63.891	550.28	-40597.	.02117	.00866	1.8546	.03081
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94706**	**.43243**	**.00515**	**.29242**	**.80813**	**.06878**
Stddev	.00322	.00169	.00062	.00155	.00262	.00003
%RSD	.34040	.39098	12.057	.52989	.32478	.04548
#1	.94919	.43273	.00559	.29064	.80522	.06880
#2	.94864	.43395	.00444	.29350	.80887	.06875
#3	.94335	.43061	.00542	.29311	.81031	.06880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31223.**	**26826.**
Stddev	55.	263.
%RSD	.17563	.98004
#1	31264.	26799.
#2	31160.	26578.
#3	31243.	27102.

Approved: April 07, 2011

Sample Name: L1103090606 Acquired: 4/6/2011 13:42:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**86.915**	**.14461**	**.09830**	**1.4141**	**.00672**	**267.40**
Stddev	.00042	.613	.00285	.00053	.0067	.00002	1.57
%RSD	8.7481	.70546	1.9707	.53520	.47767	.36949	.58712
#1	.00522	86.458	.14675	.09836	1.4108	.00675	266.35
#2	.00442	86.676	.14570	.09774	1.4097	.00672	266.64
#3	.00461	87.612	.14138	.09879	1.4219	.00670	269.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00712**	**.09167**	**.13581**	**6.1187**	**167.21**	**26.276**	**.15147**
Stddev	.00003	.00025	.00023	.0294	.75	.154	.00125
%RSD	.40662	.27295	.17290	.48117	.45144	.58745	.82263
#1	.00715	.09196	.13583	6.1476	166.82	26.198	.15009
#2	.00711	.09155	.13604	6.1197	166.73	26.177	.15181
#3	.00709	.09150	.13557	6.0887	168.08	26.454	.15251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.558**	**4.8770**	**.03113**	**3.3566**	**.14709**	**10.000**	**.38599**
Stddev	.278	.0143	.00017	.0122	.00081	.024	.00031
%RSD	.41154	.29391	.55568	.36400	.54858	.23847	.08081
#1	67.352	4.8714	.03130	3.3456	.14802	10.024	.38603
#2	67.448	4.8663	.03096	3.3544	.14661	10.000	.38627
#3	67.874	4.8933	.03111	3.3698	.14663	9.9765	.38566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090606 Acquired: 4/6/2011 13:42:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **43.495**	F **441.08**	F **-38663.**	**.01268**	**.00917**	**1.9993**	**.02465**
Stddev	5.806	2.02	42.	.00087	.00271	.0152	.00021
%RSD	13.349	.45774	.10865	6.8862	29.596	.75794	.86587
#1	48.320	443.08	-38705.	.01350	.00604	2.0168	.02476
#2	37.051	441.11	-38662.	.01176	.01055	1.9901	.02440
#3	45.115	439.04	-38621.	.01278	.01091	1.9910	.02478
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82212**	**.46514**	**.00404**	**.26599**	**.68469**	**.06539**
Stddev	.00351	.00184	.00059	.00082	.00213	.00025
%RSD	.42753	.39655	14.655	.30748	.31144	.38475
#1	.81936	.46464	.00336	.26540	.68647	.06566
#2	.82092	.46360	.00436	.26565	.68529	.06517
#3	.82608	.46719	.00440	.26692	.68233	.06533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31647.**	**26931.**
Stddev	131.	76.
%RSD	.41420	.28252
#1	31527.	26949.
#2	31626.	26997.
#3	31787.	26848.

Approved: April 07, 2011

Sample Name: L1103090607 Acquired: 4/6/2011 13:45:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**101.87**	**.28954**	**.13685**	**1.6432**	**.00680**	**396.71**
Stddev	.00019	.40	.00188	.00084	.0030	.00005	1.86
%RSD	1.7302	.38945	.64779	.61220	.18213	.68086	.46982
#1	.01109	102.27	.28780	.13736	1.6466	.00680	397.31
#2	.01079	101.85	.29153	.13589	1.6422	.00676	398.20
#3	.01075	101.48	.28931	.13731	1.6409	.00685	394.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01829**	**.11338**	**.22767**	**17.450**	**218.73**	**29.974**	**.20146**
Stddev	.00008	.00048	.00133	.053	.40	.049	.00118
%RSD	.42358	.42157	.58394	.30129	.18361	.16220	.58460
#1	.01828	.11283	.22719	17.389	219.20	30.030	.20251
#2	.01837	.11361	.22664	17.477	218.50	29.944	.20019
#3	.01822	.11369	.22917	17.483	218.50	29.947	.20168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**91.323**	**4.7753**	**.06428**	**3.6508**	**.19244**	**13.466**	**.89077**
Stddev	.170	.0106	.00051	.0154	.00133	.041	.00122
%RSD	.18576	.22096	.78940	.42165	.69101	.30158	.13653
#1	91.517	4.7855	.06438	3.6620	.19095	13.421	.89068
#2	91.206	4.7758	.06473	3.6571	.19350	13.476	.89202
#3	91.245	4.7645	.06373	3.6332	.19286	13.500	.88960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090607 Acquired: 4/6/2011 13:45:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **69.158**	F **758.99**	F **-81086.**	**.02232**	**.01038**	**1.7436**	**.03508**
Stddev	2.125	3.26	106.	.00185	.00400	.0024	.00010
%RSD	3.0726	.42966	.13096	8.2834	38.533	.14053	.28440
#1	67.044	755.22	-80980.	.02113	.00849	1.7438	.03516
#2	71.294	760.93	-81087.	.02445	.00768	1.7410	.03510
#3	69.137	760.82	-81192.	.02139	.01497	1.7459	.03497
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3220**	**.78638**	**.00743**	**.35539**	**1.4084**	**.07479**
Stddev	.0038	.00238	.00134	.00228	.0035	.00053
%RSD	.28714	.30288	17.978	.64259	.24961	.71168
#1	1.3254	.78844	.00625	.35467	1.4063	.07462
#2	1.3228	.78693	.00716	.35355	1.4124	.07436
#3	1.3179	.78377	.00888	.35794	1.4064	.07538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31616.**	**27723.**
Stddev	75.	198.
%RSD	.23572	.71455
#1	31609.	27509.
#2	31546.	27899.
#3	31694.	27762.

Approved: April 07, 2011

Sample Name: L1103090608 Acquired: 4/6/2011 13:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00768**	**80.301**	**.25090**	**.09259**	**1.4430**	**.00598**	**317.37**
Stddev	.00060	.375	.00158	.00062	.0019	.00003	3.05
%RSD	7.7694	.46737	.63004	.67229	.13444	.55183	.96027
#1	.00758	79.887	.25045	.09302	1.4443	.00594	316.15
#2	.00713	80.396	.24959	.09286	1.4408	.00598	320.83
#3	.00832	80.619	.25265	.09187	1.4439	.00601	315.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.08838**	**.16323**	**9.3116**	**147.43**	**27.314**	**.14347**
Stddev	.00008	.00094	.00057	.0793	.32	.080	.00032
%RSD	.72847	1.0655	.34718	.85120	.21467	.29322	.21992
#1	.01028	.08741	.16263	9.2258	147.36	27.222	.14366
#2	.01025	.08843	.16331	9.3268	147.16	27.350	.14311
#3	.01039	.08929	.16376	9.3821	147.78	27.370	.14365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.949**	**4.4135**	**.02953**	**4.4570**	**.15099**	**11.311**	**.47595**
Stddev	.237	.0097	.00019	.0168	.00096	.081	.00134
%RSD	.34322	.21953	.63158	.37794	.63528	.71905	.28179
#1	68.701	4.4067	.02941	4.4376	.14994	11.224	.47467
#2	68.976	4.4093	.02943	4.4660	.15123	11.324	.47582
#3	69.172	4.4246	.02974	4.4675	.15181	11.386	.47735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090608 Acquired: 4/6/2011 13:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **66.826**	F **645.64**	F **-72614.**	**.01782**	**.00681**	**2.2454**	**.02124**
Stddev	1.180	6.46	398.	.00236	.00159	.0199	.00042
%RSD	1.7664	1.0010	.54871	13.238	23.277	.88679	1.9731
#1	68.172	638.49	-72242.	.01534	.00569	2.2236	.02088
#2	66.344	647.37	-72565.	.01810	.00863	2.2500	.02114
#3	65.964	651.06	-73035.	.02003	.00612	2.2626	.02170
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92607**	**.65562**	**.00480**	**.25320**	**.68824**	**.05661**
Stddev	.00228	.00084	.00104	.00121	.00281	.00011
%RSD	.24586	.12763	21.664	.47749	.40849	.19750
#1	.92345	.65613	.00487	.25185	.68500	.05652
#2	.92757	.65466	.00580	.25418	.68967	.05657
#3	.92718	.65608	.00373	.25358	.69004	.05674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31576.**	**28012.**
Stddev	126.	104.
%RSD	.40010	.37213
#1	31706.	28108.
#2	31454.	27901.
#3	31568.	28027.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:52:34 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43046**	**9.6646**	**.42456**	**.52185**	**.96698**	**.05231**	**9.6593**
Stddev	.00083	.0586	.00041	.00064	.00083	.00010	.0251
%RSD	.19243	.60610	.09719	.12339	.08542	.19504	.25947
#1	.43007	9.6929	.42422	.52180	.96628	.05225	9.6771
#2	.43141	9.5973	.42445	.52252	.96675	.05243	9.6306
#3	.42990	9.7037	.42502	.52123	.96789	.05226	9.6701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**.21563**	**.52065**	**.53731**	**3.9185**	**49.040**	**.99091**
Stddev	.00020	.00054	.00048	.00039	.0047	.028	.00248
%RSD	.36823	.24854	.09239	.07229	.12076	.05783	.25014
#1	.05316	.21503	.52090	.53732	3.9238	49.041	.98816
#2	.05310	.21605	.52095	.53691	3.9168	49.011	.99157
#3	.05347	.21581	.52009	.53769	3.9148	49.067	.99299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.065**	**.50602**	**1.0188**	**49.726**	**.52715**	F **.00230**	**.53082**
Stddev	.033	.00186	.0012	.139	.00093	.00103	.00151
%RSD	.32517	.36845	.11484	.27924	.17726	44.781	.28359
#1	10.053	.50471	1.0197	49.818	.52624	.00162	.52909
#2	10.041	.50520	1.0192	49.566	.52810	.00181	.53153
#3	10.102	.50816	1.0175	49.793	.52711	.00349	.53184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:52:34 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7983**	F **11.054**	F **-2.9376**	**1.2699**	**.42672**	**5.2664**	**1.0596**
Stddev	8.4643	.025	4.1573	.0026	.00195	.0017	.0014
%RSD	86.386	.22329	141.52	.20075	.45675	.03160	.13388
#1	16.337	11.032	-1.4744	1.2707	.42665	5.2678	1.0580
#2	12.820	11.049	-7.6287	1.2670	.42481	5.2667	1.0607
#3	.23770	11.081	.29022	1.2719	.42871	5.2646	1.0601
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		10.000	10.000				
Range		10.000%	-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98357**	**.99786**	**.54304**	**1.0650**	**1.0518**	F **.00109**
Stddev	.00231	.00285	.00332	.0029	.0011	.00022
%RSD	.23500	.28517	.61101	.26933	.10472	19.929
#1	.98529	.99657	.54251	1.0623	1.0505	.00116
#2	.98094	.99589	.54003	1.0680	1.0525	.00126
#3	.98448	1.0011	.54660	1.0647	1.0523	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31781.**	**26571.**
Stddev	57.	198.
%RSD	.17994	.74501
#1	31841.	26728.
#2	31776.	26636.
#3	31727.	26349.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 13:55:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.01363**	**-.00036**	**-.00160**	**-.00008**	**.00004**	**-.00913**
Stddev	.00038	.01717	.00029	.00035	.00017	.00003	.00344
%RSD	110.53	125.94	80.895	21.547	199.22	61.576	37.706
#1	.00035	.00061	-.00060	-.00168	-.00022	.00002	-.01138
#2	-.00004	-.03270	-.00004	-.00122	-.00013	.00007	-.00517
#3	.00072	-.00881	-.00043	-.00190	.00010	.00004	-.01084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00002**	**-.00013**	**.00020**	**-.00054**	**.05720**	**.00173**
Stddev	.00006	.00006	.00019	.00027	.00089	.04604	.00185
%RSD	107.92	242.28	149.11	139.14	163.87	80.492	107.30
#1	.00006	.00003	-.00027	.00033	.00047	.10516	.00360
#2	.00000	-.00008	.00009	.00038	-.00119	.01335	.00168
#3	.00012	-.00001	-.00020	-.00012	-.00090	.05309	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00205**	**.00016**	**.00011**	**.00606**	**.00036**	**-.00037**	**-.00061**
Stddev	.01162	.00014	.00010	.00841	.00021	.00290	.00032
%RSD	566.93	88.210	91.054	138.81	57.363	779.43	52.908
#1	.00027	.00009	.00003	.00706	.00044	.00140	-.00025
#2	.00823	.00032	.00007	.01392	.00013	-.00372	-.00070
#3	-.01465	.00007	.00022	-.00281	.00053	.00120	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 13:55:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.1541**	**.01271**	F **-2.9517**	**.00098**	**.00099**	**.00091**	**-.00026**
Stddev	12.436	.03639	2.8394	.00094	.00196	.00059	.00023
%RSD	394.29	286.24	96.196	95.598	199.03	65.292	88.991
#1	-8.5486	.00136	-4.2740	.00197	.00207	.00064	-.00015
#2	11.069	-.01665	.30771	.00010	.00217	.00158	-.00010
#3	-11.983	.05343	-4.8887	.00087	-.00128	.00049	-.00053
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00023**	**.00084**	**-.00013**	**-.00008**	**.00005**
Stddev	.00007	.00062	.00010	.00031	.00004	.00008
%RSD	434.88	270.72	11.678	249.68	52.867	154.62
#1	-.00001	-.00065	.00083	.00004	-.00004	.00009
#2	.00010	.00049	.00094	-.00049	-.00013	-.00004
#3	-.00004	-.00053	.00074	.00007	-.00008	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32655.**	**25834.**
Stddev	139.	163.
%RSD	.42643	.63130
#1	32497.	25842.
#2	32762.	25992.
#3	32705.	25666.

Approved: April 07, 2011

Sample Name: L1103090609 Acquired: 4/6/2011 13:59:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**71.744**	**.15950**	**.12421**	**1.3506**	**.00613**
Stddev	.00036	.317	.00185	.00054	.0026	.00006
%RSD	7.3174	.44194	1.1622	.43685	.19407	.92992
#1	.00530	71.940	.15874	.12475	1.3527	.00607
#2	.00481	71.378	.16161	.12420	1.3477	.00615
#3	.00460	71.913	.15815	.12367	1.3514	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**190.58**	**.00769**	**.07256**	**.10712**	**5.2862**	**144.80**
Stddev	.74	.00006	.00033	.00010	.0039	.17
%RSD	.38915	.73694	.45102	.09421	.07388	.11825
#1	190.94	.00764	.07248	.10701	5.2832	144.79
#2	189.73	.00769	.07291	.10715	5.2906	144.64
#3	191.07	.00775	.07227	.10720	5.2849	144.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.657**	**.11438**	**54.245**	**3.8786**	**.03044**	**5.2505**
Stddev	.100	.00017	.165	.0069	.00009	.0236
%RSD	.36124	.15022	.30358	.17779	.28583	.44996
#1	27.669	.11458	54.112	3.8803	.03036	5.2590
#2	27.552	.11428	54.194	3.8710	.03042	5.2237
#3	27.751	.11428	54.429	3.8845	.03053	5.2686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090609 Acquired: 4/6/2011 13:59:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12203**	**9.0357**	**.35308**	F **53.775**	F **716.64**	F **-122110.**
Stddev	.00087	.0050	.00210	7.758	1.66	53.
%RSD	.71371	.05540	.59590	14.427	.23130	.04323
#1	.12171	9.0300	.35101	62.077	716.03	-122120.
#2	.12301	9.0391	.35522	46.709	718.51	-122170.
#3	.12136	9.0381	.35301	52.539	715.37	-122060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01216**	**.00725**	**2.5457**	**.01372**	**.68738**	**.45629**
Stddev	.00032	.00044	.0014	.00009	.00303	.00199
%RSD	2.6011	6.1315	.05362	.62729	.44017	.43559
#1	.01192	.00674	2.5445	.01362	.68966	.45803
#2	.01204	.00758	2.5455	.01378	.68395	.45412
#3	.01252	.00741	2.5472	.01375	.68854	.45672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00372**	**.20740**	**.59822**	**.07194**
Stddev	.00024	.00089	.00030	.00014
%RSD	6.5533	.42830	.04998	.19874
#1	.00345	.20658	.59795	.07189
#2	.00380	.20728	.59854	.07210
#3	.00392	.20835	.59816	.07183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090609 Acquired: 4/6/2011 13:59:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31989.**	**27127.**
Stddev	13.	97.
%RSD	.04062	.35927
#1	31997.	27044.
#2	31997.	27234.
#3	31974.	27101.

Approved: April 07, 2011

Sample Name: L1103090610 Acquired: 4/6/2011 14:02:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**80.507**	**.07588**	**.10277**	**1.5363**	**.00704**	**139.60**
Stddev	.00041	.034	.00098	.00024	.0041	.00006	.05
%RSD	11.976	.04182	1.2874	.23758	.26895	.88085	.03672
#1	.00310	80.538	.07511	.10251	1.5356	.00699	139.54
#2	.00334	80.471	.07698	.10300	1.5407	.00702	139.64
#3	.00391	80.513	.07555	.10279	1.5326	.00711	139.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**.08145**	**.11977**	**2.9828**	**159.08**	**30.482**	**.11447**
Stddev	.00004	.00036	.00012	.0144	.29	.064	.00103
%RSD	.83834	.43957	.09952	.48373	.18498	.21008	.90337
#1	.00436	.08109	.11988	2.9704	158.76	30.408	.11378
#2	.00430	.08147	.11965	2.9795	159.34	30.516	.11398
#3	.00436	.08180	.11979	2.9986	159.14	30.521	.11566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.591**	**4.5162**	**.02176**	**6.7846**	**.13551**	**10.160**	**.21197**
Stddev	.258	.0221	.00012	.0141	.00102	.047	.00071
%RSD	.46348	.48832	.55427	.20705	.75050	.46178	.33505
#1	55.322	4.4932	.02162	6.7724	.13446	10.137	.21273
#2	55.616	4.5184	.02182	6.7816	.13557	10.129	.21185
#3	55.836	4.5371	.02183	6.8000	.13649	10.214	.21132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090610 Acquired: 4/6/2011 14:02:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.757**	F **401.85**	F **-59585.**	**.00751**	**.00461**	**2.4316**	**.00789**
Stddev	15.248	2.90	179.	.00068	.00088	.0109	.00030
%RSD	28.903	.72234	.30024	9.1252	19.115	.44886	3.8579
#1	43.908	399.03	-59485.	.00811	.00493	2.4216	.00767
#2	70.364	401.69	-59479.	.00676	.00529	2.4299	.00823
#3	43.999	404.83	-59792.	.00764	.00362	2.4432	.00776
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62428**	**.42464**	**.00401**	**.22241**	**.52937**	**.07487**
Stddev	.00073	.00074	.00176	.00069	.00128	.00007
%RSD	.11705	.17522	43.905	.31211	.24211	.08850
#1	.62354	.42383	.00598	.22169	.52852	.07495
#2	.62430	.42530	.00342	.22247	.52875	.07484
#3	.62500	.42478	.00262	.22307	.53085	.07483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32057.**	**27377.**
Stddev	53.	126.
%RSD	.16662	.46062
#1	32046.	27401.
#2	32115.	27489.
#3	32010.	27240.

Approved: April 07, 2011

Sample Name: L1103090611 Acquired: 4/6/2011 14:06:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00625**	**94.743**	**.10726**	**.12020**	**1.4622**	**.00734**	**228.03**
Stddev	.00071	.347	.00111	.00044	.0032	.00001	.65
%RSD	11.284	.36592	1.0382	.36462	.21864	.14248	.28696
#1	.00697	95.035	.10817	.11999	1.4630	.00734	228.62
#2	.00557	94.835	.10759	.11990	1.4650	.00735	228.14
#3	.00621	94.360	.10602	.12070	1.4587	.00733	227.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00680**	**.09173**	**.15298**	**6.6917**	**188.73**	**28.874**	**.15573**
Stddev	.00008	.00034	.00067	.0110	.23	.008	.00007
%RSD	1.1632	.36834	.43742	.16480	.12137	.02809	.04551
#1	.00676	.09175	.15296	6.6915	188.68	28.877	.15566
#2	.00689	.09138	.15232	6.6808	188.98	28.880	.15581
#3	.00676	.09206	.15366	6.7028	188.53	28.865	.15573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**71.845**	**4.4896**	**.02773**	**3.7461**	**.15853**	**9.1703**	**.38268**
Stddev	.095	.0080	.00018	.0218	.00042	.0178	.00173
%RSD	.13205	.17864	.65242	.58265	.26264	.19445	.45095
#1	71.860	4.4959	.02790	3.7686	.15805	9.1711	.38081
#2	71.744	4.4806	.02775	3.7446	.15880	9.1521	.38302
#3	71.932	4.4924	.02754	3.7250	.15873	9.1877	.38421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090611 Acquired: 4/6/2011 14:06:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.621**	F **433.87**	F **-45534.**	**.01435**	**.00662**	**1.8265**	**.02680**
Stddev	7.296	.70	48.	.00236	.00178	.0111	.00021
%RSD	12.885	.16094	.10471	16.460	26.876	.60567	.80020
#1	64.549	433.79	-45506.	.01248	.00693	1.8301	.02661
#2	50.190	433.22	-45506.	.01356	.00471	1.8141	.02703
#3	55.123	434.61	-45589.	.01700	.00823	1.8353	.02675
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70678**	**.45786**	**.00571**	**.28093**	**1.1395**	**.07241**
Stddev	.00333	.00109	.00099	.00032	.0008	.00004
%RSD	.47059	.23771	17.417	.11230	.06912	.05814
#1	.71039	.45866	.00646	.28128	1.1395	.07238
#2	.70613	.45662	.00458	.28085	1.1388	.07245
#3	.70383	.45830	.00610	.28067	1.1403	.07238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31506.**	**27232.**
Stddev	9.	115.
%RSD	.02944	.42172
#1	31506.	27104.
#2	31515.	27328.
#3	31497.	27263.

Approved: April 07, 2011

Sample Name: L1103090612 Acquired: 4/6/2011 14:09:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**91.205**	**.07709**	**.10445**	**1.5912**	**.00731**	**231.77**
Stddev	.00025	.241	.00079	.00057	.0032	.00003	.59
%RSD	5.6005	.26371	1.0249	.54808	.19871	.47822	.25582
#1	.00449	91.228	.07788	.10489	1.5899	.00729	231.61
#2	.00415	90.953	.07630	.10465	1.5890	.00729	231.27
#3	.00463	91.433	.07707	.10380	1.5948	.00735	232.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.08814**	**.14046**	**3.9426**	**178.80**	**28.059**	**.14191**
Stddev	.00006	.00030	.00078	.0018	.65	.054	.00203
%RSD	1.2085	.34053	.55638	.04621	.36281	.19365	1.4291
#1	.00461	.08812	.14071	3.9439	178.33	28.054	.14326
#2	.00466	.08785	.14109	3.9405	178.53	28.007	.13958
#3	.00472	.08845	.13959	3.9434	179.54	28.116	.14290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.950**	**4.4685**	**.02309**	**5.0074**	**.14964**	**9.6727**	**.22235**
Stddev	.377	.0033	.00007	.0063	.00056	.0149	.00092
%RSD	.55503	.07441	.29371	.12495	.37474	.15430	.41333
#1	67.694	4.4680	.02312	5.0078	.14969	9.6898	.22129
#2	67.773	4.4655	.02314	5.0010	.14906	9.6620	.22297
#3	68.383	4.4721	.02302	5.0135	.15018	9.6665	.22278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090612 Acquired: 4/6/2011 14:09:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.032**	F **472.96**	F **-52868.**	**.01153**	**.00441**	**2.1460**	**.01286**
Stddev	13.516	1.36	85.	.00092	.00095	.0052	.00012
%RSD	25.976	.28826	.16129	8.0055	21.552	.24196	.93540
#1	48.352	474.02	-52952.	.01061	.00335	2.1466	.01280
#2	67.006	471.42	-52782.	.01151	.00467	2.1405	.01299
#3	40.736	473.46	-52871.	.01245	.00520	2.1509	.01277
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74598**	**.44991**	**.00549**	**.25955**	**.67238**	**.06891**
Stddev	.00149	.00136	.00094	.00035	.00007	.00017
%RSD	.19924	.30277	17.162	.13501	.01114	.25266
#1	.74768	.45120	.00646	.25929	.67246	.06872
#2	.74493	.44849	.00458	.25942	.67232	.06896
#3	.74533	.45004	.00542	.25995	.67236	.06905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31636.**	**27402.**
Stddev	55.	275.
%RSD	.17399	1.0042
#1	31578.	27463.
#2	31640.	27642.
#3	31688.	27102.

Approved: April 07, 2011

Sample Name: L1103090613 Acquired: 4/6/2011 14:13:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00649**	**62.581**	**.13996**	**.09093**	**1.2858**	**.00640**
Stddev	.00017	.553	.00103	.00062	.0029	.00001
%RSD	2.5982	.88389	.73686	.68185	.22402	.12166
#1	.00644	63.131	.14069	.09022	1.2890	.00640
#2	.00635	62.588	.14040	.09136	1.2851	.00639
#3	.00667	62.024	.13878	.09121	1.2834	.00640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**318.25**	**.01089**	**.07731**	**.10629**	**9.4731**	**121.07**
Stddev	2.79	.00007	.00021	.00065	.0389	.17
%RSD	.87698	.66001	.26820	.61184	.41043	.13802
#1	316.48	.01094	.07731	.10695	9.5178	121.23
#2	321.47	.01092	.07752	.10565	9.4471	121.09
#3	316.81	.01081	.07711	.10626	9.4544	120.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.858**	**.10582**	**49.027**	**3.9950**	**.03663**	**7.8047**
Stddev	.087	.00113	.104	.0027	.00003	.0422
%RSD	.38263	1.0721	.21112	.06647	.08432	.54052
#1	22.957	.10706	48.908	3.9920	.03659	7.8503
#2	22.826	.10554	49.078	3.9962	.03664	7.7968
#3	22.791	.10484	49.095	3.9969	.03665	7.7670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090613 Acquired: 4/6/2011 14:13:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11531**	**9.5081**	**.43630**	F **54.426**	F **816.93**	F **-107400.**
Stddev	.00066	.0242	.00029	7.407	3.72	289.
%RSD	.57180	.25444	.06655	13.608	.45555	.26886
#1	.11546	9.5360	.43632	62.474	821.22	-107700.
#2	.11587	9.4931	.43600	47.896	814.58	-107120.
#3	.11458	9.4953	.43658	52.908	814.99	-107370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01325**	**.01015**	**2.4801**	**.01878**	**.93721**	**.40033**
Stddev	.00112	.00203	.0110	.00016	.00580	.00134
%RSD	8.4567	19.961	.44492	.82988	.61866	.33377
#1	.01220	.01235	2.4917	.01892	.94320	.40103
#2	.01311	.00971	2.4698	.01861	.93681	.39879
#3	.01443	.00837	2.4788	.01882	.93162	.40117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00282**	**.20574**	**1.9647**	**.06104**
Stddev	.00025	.00015	.0014	.00005
%RSD	9.0205	.07438	.07087	.07906
#1	.00311	.20557	1.9662	.06106
#2	.00272	.20578	1.9645	.06098
#3	.00263	.20587	1.9634	.06107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090613 Acquired: 4/6/2011 14:13:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31859.**	**28151.**
Stddev	96.	60.
%RSD	.30178	.21307
#1	31775.	28174.
#2	31839.	28083.
#3	31964.	28197.

Approved: April 07, 2011

Sample Name: L1103090614 Acquired: 4/6/2011 14:16:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00483**	**81.826**	**.10377**	**.09395**	**1.3949**	**.00694**	**110.41**
Stddev	.00028	.527	.00062	.00070	.0084	.00001	.58
%RSD	5.7967	.64396	.59413	.74141	.59923	.12204	.52233
#1	.00486	81.244	.10402	.09386	1.3874	.00693	109.83
#2	.00453	81.963	.10307	.09469	1.3933	.00694	110.39
#3	.00509	82.271	.10422	.09330	1.4039	.00695	110.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00508**	**.08488**	**.12808**	**5.2551**	**162.13**	**26.708**	**.12096**
Stddev	.00000	.00011	.00025	.0059	.92	.186	.00023
%RSD	.04701	.13097	.19299	.11277	.56912	.69477	.18921
#1	.00508	.08480	.12800	5.2516	161.24	26.547	.12107
#2	.00508	.08501	.12835	5.2619	162.07	26.667	.12070
#3	.00508	.08485	.12788	5.2517	163.09	26.911	.12112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.408**	**4.5382**	**.02099**	**5.1722**	**.14182**	**8.2166**	**.23798**
Stddev	.297	.0130	.00014	.0256	.00030	.0046	.00065
%RSD	.50883	.28576	.65197	.49426	.21153	.05609	.27272
#1	58.086	4.5233	.02084	5.1447	.14184	8.2218	.23725
#2	58.464	4.5442	.02100	5.1765	.14211	8.2129	.23817
#3	58.673	4.5470	.02111	5.1953	.14151	8.2152	.23851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090614 Acquired: 4/6/2011 14:16:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **47.682**	F **218.81**	F **-24203.**	**.01022**	**.00466**	**2.0823**	**.01643**
Stddev	2.874	.40	77.	.00041	.00128	.0028	.00030
%RSD	6.0275	.18441	.31654	4.0069	27.373	.13569	1.7973
#1	45.695	218.88	-24127.	.01040	.00565	2.0805	.01673
#2	50.977	219.17	-24280.	.00975	.00322	2.0856	.01614
#3	46.373	218.38	-24203.	.01051	.00511	2.0808	.01644
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56045**	**.44630**	**.00480**	**.23178**	**.68641**	**.06736**
Stddev	.00203	.00244	.00101	.00051	.00046	.00017
%RSD	.36248	.54595	21.119	.22142	.06731	.24736
#1	.55830	.44363	.00550	.23132	.68662	.06750
#2	.56073	.44688	.00364	.23233	.68673	.06740
#3	.56233	.44840	.00527	.23168	.68588	.06718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32401.**	**27658.**
Stddev	54.	70.
%RSD	.16795	.25281
#1	32394.	27723.
#2	32351.	27669.
#3	32459.	27584.

Approved: April 07, 2011

Sample Name: L1103090615 Acquired: 4/6/2011 14:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**102.09**	**.24749**	**.13954**	**1.7818**	**.00759**	**392.87**
Stddev	.00065	.76	.00278	.00046	.0065	.00008	5.77
%RSD	10.104	.74223	1.1230	.32624	.36367	.99524	1.4690
#1	.00575	101.51	.25058	.13903	1.7790	.00767	387.45
#2	.00642	102.95	.24669	.13968	1.7892	.00753	398.94
#3	.00705	101.82	.24520	.13990	1.7771	.00757	392.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.11734**	**.16793**	**8.1702**	**205.93**	**30.642**	**.20754**
Stddev	.00018	.00205	.00258	.1387	.95	.176	.00113
%RSD	1.8833	1.7494	1.5341	1.6978	.46153	.57583	.54362
#1	.01001	.11969	.17085	8.3300	205.24	30.484	.20724
#2	.00965	.11588	.16599	8.0812	207.02	30.832	.20879
#3	.00975	.11646	.16695	8.0994	205.55	30.611	.20659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.716**	**5.2892**	**.05154**	**2.9234**	**.18233**	**11.516**	**.45500**
Stddev	.569	.0141	.00127	.0241	.00294	.206	.00918
%RSD	.61318	.26573	2.4698	.82292	1.6123	1.7925	2.0179
#1	92.154	5.2791	.05300	2.9018	.18563	11.754	.46557
#2	93.291	5.3053	.05085	2.9493	.18135	11.403	.45038
#3	92.702	5.2833	.05075	2.9190	.18000	11.391	.44904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090615 Acquired: 4/6/2011 14:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.218**	F **591.36**	F **-38514.**	**.01528**	**.00949**	**3.2143**	**.05408**
Stddev	5.784	10.48	694.	.00231	.00158	.0564	.00077
%RSD	10.289	1.7729	1.8024	15.094	16.671	1.7533	1.4168
#1	53.124	603.46	-39308.	.01582	.01131	3.2793	.05495
#2	52.639	585.35	-38214.	.01726	.00863	3.1848	.05381
#3	62.891	585.25	-38020.	.01275	.00852	3.1789	.05349
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2824**	**.66675**	**.00724**	**.37424**	**1.0960**	**.06662**
Stddev	.0056	.00168	.00118	.00251	.0216	.00049
%RSD	.44089	.25223	16.289	.67099	1.9724	.73131
#1	1.2792	.66487	.00786	.37706	1.1208	.06716
#2	1.2889	.66810	.00588	.37224	1.0863	.06622
#3	1.2791	.66729	.00799	.37342	1.0809	.06648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31095.**	**27520.**
Stddev	437.	189.
%RSD	1.4050	.68757
#1	30590.	27664.
#2	31339.	27306.
#3	31354.	27592.

Approved: April 07, 2011

Sample Name: L1103090616 Acquired: 4/6/2011 14:23:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**135.58**	**.22397**	**.14946**	**2.8321**	**.01403**	**618.68**
Stddev	.00053	.83	.00179	.00031	.0032	.00007	8.76
%RSD	14.545	.61196	.80046	.20889	.11351	.47505	1.4161
#1	.00407	134.83	.22382	.14955	2.8357	.01397	626.77
#2	.00305	135.44	.22583	.14972	2.8310	.01410	619.91
#3	.00376	136.47	.22225	.14912	2.8295	.01403	609.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**.14628**	**.23137**	**5.6716**	**221.48**	**27.846**	**.37812**
Stddev	.00003	.00059	.00181	.0199	.17	.086	.00170
%RSD	.40744	.40529	.78223	.35176	.07642	.30910	.44935
#1	.00799	.14610	.22998	5.6627	221.34	27.777	.37659
#2	.00798	.14694	.23342	5.6944	221.43	27.819	.37995
#3	.00804	.14580	.23073	5.6576	221.67	27.943	.37784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.20**	**7.8351**	**.03307**	**7.1785**	**.23519**	**7.8130**	**.39981**
Stddev	.57	.0149	.00022	.0421	.00064	.0266	.00154
%RSD	.45557	.19015	.65716	.58678	.27215	.34010	.38417
#1	124.72	7.8198	.03287	7.1393	.23469	7.8089	.39832
#2	125.04	7.8360	.03330	7.1730	.23591	7.8414	.39971
#3	125.83	7.8495	.03303	7.2231	.23498	7.7887	.40139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090616 Acquired: 4/6/2011 14:23:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.385**	F **852.88**	F **-38239.**	**.01323**	**.00949**	**1.8711**	**.03960**
Stddev	9.090	3.70	143.	.00144	.00010	.0043	.00060
%RSD	10.646	.43371	.37330	10.914	1.0479	.23070	1.5261
#1	84.855	849.79	-38182.	.01165	.00947	1.8668	.03949
#2	76.572	856.98	-38401.	.01448	.00960	1.8711	.03906
#3	94.729	851.89	-38133.	.01355	.00941	1.8755	.04025
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1500**	**.30954**	**.01400**	**.72573**	**.96622**	**.08741**
Stddev	.0095	.00121	.00160	.00343	.00356	.00046
%RSD	.44219	.39141	11.455	.47209	.36837	.52939
#1	2.1409	.30814	.01441	.72223	.96218	.08694
#2	2.1494	.31019	.01537	.72908	.96889	.08786
#3	2.1599	.31030	.01224	.72586	.96758	.08744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31738.**	**29278.**
Stddev	133.	195.
%RSD	.41825	.66656
#1	31871.	29382.
#2	31606.	29398.
#3	31738.	29052.

Approved: April 07, 2011

Sample Name: L1103090617 Acquired: 4/6/2011 14:26:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00541**	**83.101**	**.28212**	**.10614**	**1.5315**	**.00650**	**345.11**
Stddev	.00015	.645	.00186	.00097	.0113	.00001	2.78
%RSD	2.8403	.77656	.66042	.91405	.73598	.21975	.80427
#1	.00535	83.814	.28050	.10694	1.5445	.00651	348.23
#2	.00530	82.556	.28170	.10506	1.5241	.00649	342.89
#3	.00559	82.934	.28416	.10643	1.5260	.00651	344.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00865**	**.09350**	**.14033**	**6.2937**	**169.26**	**31.837**	**.14515**
Stddev	.00002	.00044	.00009	.0130	.90	.185	.00089
%RSD	.22329	.47510	.06226	.20632	.53273	.58085	.61525
#1	.00867	.09299	.14035	6.2883	170.29	32.044	.14614
#2	.00863	.09382	.14041	6.3085	168.60	31.688	.14441
#3	.00865	.09367	.14023	6.2843	168.90	31.779	.14490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**73.551**	**4.8087**	**.03139**	**2.4095**	**.15362**	**12.992**	**.36847**
Stddev	.261	.0135	.00025	.0211	.00013	.018	.00137
%RSD	.35482	.28051	.78637	.87526	.08595	.14035	.37129
#1	73.801	4.8232	.03113	2.4292	.15375	12.996	.36788
#2	73.280	4.7965	.03163	2.3872	.15348	13.008	.37003
#3	73.571	4.8063	.03142	2.4119	.15364	12.972	.36749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090617 Acquired: 4/6/2011 14:26:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.782**	F **529.36**	F **-37628.**	**.01779**	**.00981**	**2.7526**	**.02899**
Stddev	5.347	1.35	77.	.00147	.00219	.0041	.00003
%RSD	10.131	.25551	.20414	8.2389	22.353	.14875	.11255
#1	50.218	529.00	-37645.	.01613	.01107	2.7492	.02902
#2	58.929	530.86	-37694.	.01833	.01108	2.7571	.02900
#3	49.200	528.23	-37544.	.01890	.00728	2.7514	.02896
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1839**	**.63009**	**.00521**	**.28924**	**.77954**	**.05281**
Stddev	.0073	.00393	.00056	.00074	.00046	.00017
%RSD	.61848	.62312	10.814	.25604	.05884	.33108
#1	1.1918	.63458	.00489	.28893	.77925	.05272
#2	1.1774	.62835	.00586	.29008	.78007	.05301
#3	1.1824	.62733	.00487	.28870	.77931	.05270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31493.**	**27463.**
Stddev	30.	121.
%RSD	.09403	.43957
#1	31527.	27334.
#2	31474.	27484.
#3	31478.	27572.

Approved: April 07, 2011

Sample Name: L1103090618 Acquired: 4/6/2011 14:30:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**107.56**	**.19850**	**.13332**	**1.9858**	**.00871**	**387.31**
Stddev	.00067	1.27	.00049	.00465	.0222	.00002	8.14
%RSD	7.9839	1.1800	.24855	3.4905	1.1166	.26139	2.1013
#1	.00913	107.45	.19891	.13458	1.9842	.00868	392.16
#2	.00795	108.87	.19796	.13722	2.0087	.00872	391.85
#3	.00799	106.34	.19864	.12817	1.9645	.00873	377.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00878**	**.11618**	**.19242**	**9.5891**	**233.27**	**31.138**	**.21672**
Stddev	.00007	.00026	.00102	.0110	6.21	.334	.00195
%RSD	.80831	.22043	.53265	.11417	2.6605	1.0713	.89771
#1	.00879	.11631	.19143	9.5844	235.43	31.113	.21565
#2	.00885	.11635	.19234	9.5812	238.12	31.484	.21897
#3	.00871	.11589	.19348	9.6016	226.28	30.818	.21554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.517**	**5.8447**	**.03453**	**3.3014**	**.19717**	**13.901**	**.47571**
Stddev	1.257	.0711	.00026	.0341	.00031	.013	.00202
%RSD	1.3026	1.2165	.73979	1.0339	.15730	.09564	.42560
#1	96.726	5.8429	.03457	3.2914	.19702	13.913	.47341
#2	97.656	5.9167	.03426	3.3395	.19696	13.887	.47649
#3	95.168	5.7746	.03476	3.2735	.19752	13.903	.47723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090618 Acquired: 4/6/2011 14:30:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **75.206**	F **625.12**	F **-51973.**	**.01359**	**.00739**	**2.8342**	**.04031**
Stddev	11.976	.50	78.	.00093	.00091	.0023	.00023
%RSD	15.924	.07941	.14947	6.8629	12.300	.08019	.55960
#1	63.466	625.48	-52043.	.01266	.00790	2.8356	.04006
#2	74.750	624.55	-51987.	.01360	.00793	2.8316	.04039
#3	87.404	625.32	-51889.	.01452	.00634	2.8354	.04049
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4199**	**.66927**	**.00986**	**.44650**	**1.1150**	**.07926**
Stddev	.0158	.00700	.00080	.00190	.0025	.00026
%RSD	1.1115	1.0458	8.1170	.42528	.22098	.32981
#1	1.4166	.66813	.00901	.44526	1.1156	.07905
#2	1.4370	.67677	.01059	.44556	1.1172	.07956
#3	1.4060	.66291	.01000	.44869	1.1123	.07918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32115.**	**28524.**
Stddev	18.	635.
%RSD	.05677	2.2268
#1	32122.	28019.
#2	32094.	28316.
#3	32129.	29237.

Approved: April 07, 2011

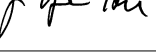
Sample Name: CCV Acquired: 4/6/2011 14:34:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42793**	**9.7216**	**.41809**	**.52542**	**.97934**	**.05178**	**9.6937**
Stddev	.00226	.0452	.00157	.00212	.00127	.00012	.0384
%RSD	.52731	.46452	.37496	.40373	.12932	.22430	.39646
#1	.42893	9.7729	.41634	.52738	.98077	.05191	9.7380
#2	.42951	9.7042	.41855	.52571	.97835	.05173	9.6706
#3	.42534	9.6878	.41937	.52317	.97890	.05169	9.6724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05290**	**.21298**	**.51716**	**.53354**	**3.9727**	**49.382**	**1.0005**
Stddev	.00007	.00026	.00196	.00127	.0191	.169	.0029
%RSD	.12461	.12263	.37899	.23810	.48177	.34234	.28923
#1	.05292	.21296	.51929	.53501	3.9947	49.575	1.0035
#2	.05283	.21324	.51544	.53276	3.9602	49.313	.99776
#3	.05296	.21272	.51674	.53286	3.9632	49.258	1.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.175**	**.50946**	**1.0235**	**49.590**	**.52554**	F **-.00017**	**.53044**
Stddev	.062	.00135	.0011	.230	.00020	.00075	.00206
%RSD	.61353	.26535	.11056	.46471	.03725	429.87	.38832
#1	10.236	.51022	1.0222	49.848	.52532	.00065	.53275
#2	10.177	.51026	1.0243	49.516	.52570	-.00082	.52976
#3	10.111	.50790	1.0241	49.405	.52560	-.00035	.52880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011



Sample Name: CCV Acquired: 4/6/2011 14:34:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.4466**	**10.946**	F **-4.2198**	**1.2631**	**.42122**	**5.2245**	**1.0530**
Stddev	7.1370	.024	6.0505	.0044	.00190	.0010	.0008
%RSD	207.08	.22182	143.38	.34622	.45051	.01914	.07080
#1	-1.8345	10.918	-10.404	1.2648	.41982	5.2238	1.0537
#2	.60809	10.960	-3.9431	1.2581	.42048	5.2256	1.0522
#3	11.566	10.959	1.6875	1.2664	.42338	5.2240	1.0532
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98277**	**1.0051**	**.54037**	**1.0668**	**1.0492**	F **.00123**
Stddev	.00359	.0007	.00076	.0023	.0008	.00016
%RSD	.36506	.06575	.14099	.21854	.07527	13.449
#1	.98671	1.0057	.54066	1.0686	1.0501	.00105
#2	.98191	1.0051	.53951	1.0676	1.0487	.00137
#3	.97969	1.0044	.54095	1.0641	1.0487	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32202.**	**26465.**
Stddev	66.	268.
%RSD	.20567	1.0129
#1	32219.	26163.
#2	32257.	26562.
#3	32128.	26672.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 14:37:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.02987**	**-.00050**	**-.00254**	**-.00023**	**.00004**	**-.01399**
Stddev	.00049	.01270	.00051	.00014	.00006	.00001	.00520
%RSD	88.015	42.528	102.13	5.7095	27.539	33.838	37.136
#1	.00059	-.01685	-.00087	-.00264	-.00016	.00005	-.01767
#2	.00102	-.04223	-.00071	-.00237	-.00029	.00003	-.00805
#3	.00005	-.03053	.00008	-.00260	-.00023	.00003	-.01626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00013**	**-.00040**	**-.00003**	**-.00228**	**.05711**	**.00087**
Stddev	.00005	.00004	.00044	.00057	.00210	.04655	.00130
%RSD	280.45	32.806	109.65	1842.1	92.367	81.514	148.85
#1	.00003	-.00017	.00010	.00061	-.00322	.09445	.00234
#2	-.00004	-.00009	-.00057	-.00023	.00013	.07191	-.00010
#3	.00006	-.00012	-.00074	-.00048	-.00375	.00495	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00726**	**-.00012**	**.00007**	**.00591**	**-.00022**	**-.00139**	**-.00070**
Stddev	.00425	.00013	.00017	.00467	.00041	.00086	.00042
%RSD	58.600	113.25	253.70	78.937	186.25	62.020	59.695
#1	.00253	-.00025	.00022	.00703	.00008	-.00229	-.00029
#2	.00847	-.00010	.00010	.00992	-.00069	-.00058	-.00112
#3	.01077	.00001	-.00012	.00079	-.00005	-.00130	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 14:37:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.4151**	**.03048**	F **-7.7516**	**.00107**	**.00084**	**.00061**	**-.00009**
Stddev	4.0578	.03315	5.0146	.00102	.00297	.00011	.00015
%RSD	63.254	108.76	64.691	95.250	355.22	18.305	176.35
#1	1.7672	.02288	-3.0690	.00078	.00391	.00057	-.00004
#2	9.2524	.00179	-7.1430	.00023	-.00202	.00074	.00004
#3	8.2258	.06676	-13.043	.00221	.00061	.00052	-.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00035**	**.00005**	**.00009**	**-.00010**	**-.00006**
Stddev	.00007	.00064	.00056	.00018	.00002	.00009
%RSD	75.196	181.58	1058.0	192.50	16.190	145.86
#1	-.00003	-.00031	.00034	-.00008	-.00008	.00000
#2	-.00007	.00097	.00042	.00009	-.00009	-.00016
#3	-.00017	.00039	-.00059	.00027	-.00011	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32789.**	**26641.**
Stddev	140.	205.
%RSD	.42704	.76843
#1	32906.	26522.
#2	32826.	26877.
#3	32634.	26523.

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:41:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**-.02474**	F **-.01907**	**.01989**	**-.00009**	**-.00007**	**.00996**
Stddev	.00032	.01003	.00114	.00104	.00028	.00001	.00130
%RSD	35.386	40.537	5.9938	5.2523	291.61	20.560	13.045
#1	-.00110	-.02544	-.02008	.02081	-.00023	-.00006	.01144
#2	-.00111	-.01438	-.01930	.02010	-.00028	-.00009	.00942
#3	-.00054	-.03439	-.01783	.01875	.00022	-.00007	.00902
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.01000				

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00244**	**53.322**	**.00016**	F **-.05627**	**.01100**	**.00129**
Stddev	.00002	.00005	.672	.00032	.00177	.02570	.00104
%RSD	10.521	2.1112	1.2602	207.62	3.1511	233.64	80.727
#1	-.00023	-.00238	54.088	.00044	-.05773	.03755	.00056
#2	-.00020	-.00248	52.829	.00023	-.05678	-.01375	.00248
#3	-.00020	-.00245	53.050	-.00020	-.05430	.00920	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					900.00		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**.00462**	**.00241**	**.00047**	**-.00167**	**.01989**	**.01050**
Stddev	.00734	.00002	.00025	.00508	.00019	.00106	.00031
%RSD	96.631	.38622	10.174	1079.1	11.336	5.3271	2.9687
#1	.00365	.00463	.00223	.00406	-.00164	.01869	.01055
#2	.00308	.00463	.00232	-.00534	-.00188	.02030	.01017
#3	.01607	.00460	.00269	.00269	-.00150	.02069	.01078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:41:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.48249**	**.00367**	F **-55.408**	**.37029**	**-.00136**	**.01112**	**-.00226**
Stddev	12.586	.01051	3.147	.00706	.00163	.00040	.00021
%RSD	2608.6	286.62	5.6791	1.9062	119.46	3.6190	9.4029
#1	-14.585	.00625	-56.134	.36429	-.00041	.01080	-.00203
#2	3.5260	-.00789	-58.128	.37807	-.00044	.01157	-.00230
#3	9.6111	.01265	-51.962	.36852	-.00325	.01100	-.00245
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00298**	**-.00690**	F **-.07561**	F **-.03075**	F **-.00678**
Stddev	.00012	.00048	.00153	.00052	.00011	.00009
%RSD	78.066	16.194	22.207	.69277	.34230	1.3333
#1	.00030	-.00244	-.00803	-.07611	-.03085	-.00684
#2	.00005	-.00335	-.00751	-.07565	-.03078	-.00683
#3	.00013	-.00317	-.00516	-.07507	-.03064	-.00668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				90.000	45.000	45.000
Low Limit				-.01000	-.01000	-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31362.**	**27024.**
Stddev	54.	109.
%RSD	.17322	.40259
#1	31347.	26901.
#2	31422.	27109.
#3	31316.	27062.

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:44:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.01212**	**-.00369**	**.00104**	**-.00021**	**.00002**	**-.00193**
Stddev	.00017	.00647	.00115	.00020	.00009	.00001	.00525
%RSD	42.056	53.360	31.232	19.085	43.681	35.453	272.27
#1	-.00023	-.00735	-.00414	.00085	-.00022	.00001	-.00068
#2	-.00039	-.01949	-.00454	.00103	-.00029	.00003	-.00769
#3	-.00056	-.00954	-.00238	.00125	-.00011	.00002	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00031**	**10.500**	**.00015**	**-.01082**	**.02078**	**.00188**
Stddev	.00003	.00010	.005	.00011	.00132	.01655	.00079
%RSD	19.826	31.578	.05199	75.329	12.213	79.681	41.968
#1	-.00015	-.00022	10.502	.00008	-.01056	.01769	.00103
#2	-.00020	-.00029	10.494	.00009	-.01225	.00598	.00204
#3	-.00014	-.00041	10.504	.00027	-.00965	.03866	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00266**	**.00083**	**.00037**	**.00509**	**-.00047**	**.00783**	**.00181**
Stddev	.00705	.00016	.00011	.00151	.00006	.00327	.00030
%RSD	265.05	19.346	30.987	29.555	13.568	41.736	16.604
#1	.00553	.00093	.00026	.00366	-.00041	.00923	.00155
#2	.00781	.00064	.00036	.00495	-.00054	.01017	.00214
#3	-.00537	.00092	.00049	.00666	-.00047	.00410	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:44:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.452**	**.02077**	F **-12.187**	**.06821**	**-.00054**	**-.00125**	**-.00083**
Stddev	8.393	.01559	4.053	.00082	.00199	.00084	.00028
%RSD	54.317	75.052	33.257	1.2070	371.03	67.230	33.417
#1	6.2242	.02157	-11.236	.06824	-.00015	-.00040	-.00081
#2	17.501	.03595	-8.6940	.06901	.00123	-.00128	-.00111
#3	22.631	.00480	-16.631	.06737	-.00269	-.00208	-.00056
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00043**	**-.00082**	F **-.01431**	**-.00471**	**-.00105**
Stddev	.00003	.00116	.00083	.00002	.00004	.00005
%RSD	4.0078	272.64	100.47	.13509	.76956	4.4364
#1	.00063	.00088	-.00178	-.01430	-.00468	-.00103
#2	.00067	-.00134	-.00041	-.01430	-.00475	-.00103
#3	.00062	-.00081	-.00028	-.01433	-.00471	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33199.**	**27105.**
Stddev	61.	142.
%RSD	.18444	.52472
#1	33146.	26948.
#2	33266.	27225.
#3	33185.	27143.

Approved: April 07, 2011

Sample Name: L1103050487 Acquired: 4/6/2011 14:48:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00895**	**.00208**	**-.00246**	**.00012**	**-.00005**	**.00239**
Stddev	.00067	.01835	.00115	.00072	.00009	.00003	.00197
%RSD	5609.0	204.92	55.257	29.232	75.340	55.219	82.460
#1	.00058	.01147	.00089	-.00176	.00004	-.00002	.00467
#2	-.00073	-.02404	.00217	-.00242	.00009	-.00008	.00128
#3	.00018	-.01428	.00318	-.00319	.00021	-.00006	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00010**	**.00041**	**.00055**	**-.00261**	**.00864**	**.00611**
Stddev	.00014	.00021	.00024	.00048	.00072	.01972	.00177
%RSD	13.144	204.97	56.742	87.832	27.662	228.11	29.031
#1	.00098	.00010	.00064	.00110	-.00200	-.00994	.00693
#2	.00119	.00032	.00017	.00030	-.00241	.00654	.00733
#3	.00093	-.00011	.00044	.00024	-.00340	.02932	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1049.3**	F **-.00907**	**-.00014**	**.00535**	**-.00041**	**.01186**	**-.00058**
Stddev	9.1	.00044	.00006	.00517	.00027	.00246	.00127
%RSD	.87052	4.8005	44.410	96.680	66.919	20.715	218.12
#1	1050.1	-.00955	-.00008	.00072	-.00018	.01030	-.00034
#2	1039.9	-.00869	-.00020	.00440	-.00071	.01469	.00055
#3	1058.1	-.00898	-.00014	.01093	-.00033	.01059	-.00195
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00	180.00					
Low Limit	-.10000	-.00300					

Approved: April 07, 2011

Sample Name: L1103050487 Acquired: 4/6/2011 14:48:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.941**	**.27385**	F **-50.831**	**-.00141**	**-.00208**	**-.00658**	**-.00010**
Stddev	8.901	.02813	6.869	.00090	.00127	.00070	.00008
%RSD	68.779	10.271	13.514	63.782	61.374	10.632	81.307
#1	2.9791	.29543	-57.420	-.00244	-.00334	-.00578	-.00002
#2	15.732	.28407	-51.360	-.00105	-.00209	-.00694	-.00009
#3	20.111	.24204	-43.712	-.00075	-.00080	-.00703	-.00019
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00003**	**.00089**	**-.00049**	**.00237**	**-.00012**
Stddev	.00002	.00042	.00016	.00017	.00004	.00007
%RSD	35.476	1408.4	18.063	34.154	1.4907	59.912
#1	-.00004	-.00023	.00105	-.00065	.00241	-.00006
#2	-.00007	-.00019	.00088	-.00050	.00234	-.00010
#3	-.00009	.00051	.00073	-.00032	.00236	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**29498.**	**25532.**
Stddev	207.	162.
%RSD	.70246	.63382
#1	29318.	25535.
#2	29452.	25693.
#3	29725.	25369.

Approved: April 07, 2011

Sample Name: L1103090619 Acquired: 4/6/2011 14:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00988**	**109.55**	**.26790**	**.17996**	**1.8563**	**.00705**
Stddev	.00051	.23	.00144	.00203	.0045	.00002
%RSD	5.1653	.20806	.53655	1.1304	.24386	.27083
#1	.00990	109.46	.26651	.17762	1.8586	.00707
#2	.00936	109.37	.26938	.18114	1.8592	.00703
#3	.01038	109.81	.26782	.18114	1.8511	.00705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**405.85**	**.01559**	**.11624**	**.20948**	**12.383**	**273.34**
Stddev	2.02	.00006	.00052	.00168	.059	3.28
%RSD	.49877	.38713	.44527	.80374	.47767	1.1990
#1	405.76	.01553	.11638	.20946	12.424	269.57
#2	403.87	.01565	.11668	.21117	12.410	274.92
#3	407.92	.01559	.11567	.20780	12.315	275.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.661**	**.20180**	**91.340**	**5.0154**	**.06252**	**3.5471**
Stddev	.057	.00098	.489	.0131	.00044	.0267
%RSD	.13595	.48559	.53531	.26167	.70184	.75287
#1	41.613	.20276	90.800	5.0030	.06302	3.5584
#2	41.648	.20184	91.465	5.0140	.06231	3.5166
#3	41.724	.20080	91.754	5.0292	.06222	3.5663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090619 Acquired: 4/6/2011 14:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20070	16.810	.65518	F 68.798	F 905.43	F -109680.
Stddev	.00113	.061	.00170	3.074	3.25	206.
%RSD	.56152	.36167	.25893	4.4674	.35905	.18814
#1	.20155	16.859	.65689	71.520	907.25	-109840.
#2	.20113	16.828	.65514	69.409	907.37	-109760.
#3	.19942	16.742	.65350	65.465	901.68	-109450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01870	.01175	3.3956	.09954	4.1796	.91492
Stddev	.00174	.00402	.0040	.00015	.1073	.00134
%RSD	9.2846	34.208	.11730	.15423	2.5682	.14631
#1	.02008	.01626	3.3995	.09937	4.0557	.91517
#2	.01928	.00856	3.3959	.09962	4.2364	.91348
#3	.01675	.01042	3.3915	.09965	4.2465	.91612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	.00947	.40748	1.8610	.07741
Stddev	.00082	.00201	.0078	.00011
%RSD	8.6607	.49335	.42027	.13842
#1	.00928	.40962	1.8676	.07749
#2	.01037	.40719	1.8630	.07729
#3	.00876	.40563	1.8524	.07745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090619 Acquired: 4/6/2011 14:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31052.**	**28037.**
Stddev	166.	130.
%RSD	.53314	.46351
#1	30912.	28177.
#2	31011.	28013.
#3	31235.	27921.

Approved: April 07, 2011

Sample Name: L1103090620S Acquired: 4/6/2011 14:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20412**	**109.28**	**.45010**	**.18047**	**1.8069**	**.00664**
Stddev	.00071	.85	.00247	.00329	.0033	.00003
%RSD	.34918	.78147	.54893	1.8212	.18503	.41966
#1	.20333	108.74	.45001	.18227	1.8056	.00663
#2	.20472	108.84	.45262	.17668	1.8044	.00667
#3	.20430	110.27	.44768	.18247	1.8107	.00661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**394.82**	**.03905**	**.10963**	**.21159**	**11.798**	**267.42**
Stddev	5.23	.00007	.00036	.00210	.025	4.39
%RSD	1.3236	.17157	.33249	.99247	.20855	1.6418
#1	394.78	.03908	.10998	.21371	11.811	268.93
#2	389.61	.03909	.10966	.21153	11.813	262.48
#3	400.06	.03897	.10926	.20951	11.769	270.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.041**	**.19954**	**88.413**	**5.0713**	**.06293**	**3.6016**
Stddev	.204	.00100	.428	.0136	.00030	.0281
%RSD	.48480	.49988	.48437	.26835	.47406	.77933
#1	41.918	.19922	88.204	5.0598	.06260	3.5806
#2	41.930	.20066	88.128	5.0679	.06318	3.5906
#3	42.277	.19874	88.905	5.0863	.06300	3.6335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090620S Acquired: 4/6/2011 14:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19479**	**16.790**	**.86434**	F **87.407**	F **892.16**	F **-108860.**
Stddev	.00010	.040	.00046	5.576	2.63	34.
%RSD	.05370	.24003	.05324	6.3793	.29481	.03161
#1	.19488	16.796	.86388	81.819	893.71	-108850.
#2	.19468	16.826	.86480	87.433	893.65	-108900.
#3	.19481	16.746	.86434	92.970	889.13	-108830.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01633**	**.01250**	**3.5911**	**.10126**	**4.0025**	**.98719**
Stddev	.00073	.00084	.0021	.00060	.0862	.00068
%RSD	4.4524	6.7215	.05797	.59079	2.1527	.06911
#1	.01664	.01184	3.5893	.10147	3.9558	.98656
#2	.01550	.01222	3.5934	.10059	3.9498	.98709
#3	.01685	.01345	3.5907	.10172	4.1019	.98791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01013**	**.41037**	**2.0263**	**.07384**
Stddev	.00098	.00163	.0021	.00017
%RSD	9.6907	.39818	.10367	.22441
#1	.01009	.40896	2.0253	.07403
#2	.00917	.41216	2.0287	.07374
#3	.01113	.41000	2.0249	.07375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090620S Acquired: 4/6/2011 14:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31315.**	**28682.**
Stddev	83.	194.
%RSD	.26662	.67592
#1	31252.	28685.
#2	31284.	28874.
#3	31410.	28487.

Approved: April 07, 2011

Sample Name: L1103090621SD Acquired: 4/6/2011 14:59:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**97.944**	**.42906**	**.16868**	**1.6918**	**.00639**
Stddev	.00092	.968	.00294	.00098	.0143	.00001
%RSD	.44577	.98802	.68546	.57940	.84400	.16522
#1	.20720	99.041	.43245	.16919	1.7067	.00638
#2	.20548	97.213	.42737	.16755	1.6783	.00640
#3	.20578	97.577	.42734	.16929	1.6905	.00638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**375.62**	**.03780**	**.10477**	**.19697**	**10.447**	**258.94**
Stddev	5.60	.00008	.00035	.00178	.024	2.47
%RSD	1.4896	.20845	.33285	.90370	.23055	.95246
#1	381.35	.03789	.10517	.19844	10.471	261.42
#2	370.17	.03774	.10459	.19499	10.423	256.49
#3	375.35	.03779	.10454	.19747	10.446	258.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.294**	**.18257**	**80.947**	**4.7302**	**.05902**	**3.4989**
Stddev	.279	.00103	.553	.0278	.00033	.0255
%RSD	.72983	.56574	.68268	.58790	.55872	.72986
#1	38.599	.18374	81.518	4.7573	.05896	3.5274
#2	38.051	.18213	80.415	4.7017	.05872	3.4909
#3	38.231	.18182	80.909	4.7317	.05937	3.4783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090621SD Acquired: 4/6/2011 14:59:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17950**	**16.840**	**.83752**	F **84.519**	F **884.29**	F **-110050.**
Stddev	.00116	.018	.00235	11.245	1.47	61.
%RSD	.64745	.10638	.28044	13.304	.16600	.05505
#1	.18083	16.851	.83993	95.961	885.46	-110080.
#2	.17901	16.820	.83739	84.112	882.64	-109980.
#3	.17866	16.850	.83524	73.482	884.77	-110080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01684**	**.01115**	**4.0482**	**.10412**	**3.5822**	**.89182**
Stddev	.00095	.00232	.0030	.00022	.0434	.00481
%RSD	5.6272	20.795	.07476	.20976	1.2124	.53896
#1	.01710	.00859	4.0515	.10409	3.5752	.89727
#2	.01764	.01175	4.0474	.10435	3.5427	.88821
#3	.01579	.01312	4.0456	.10391	3.6287	.88997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01106**	**.40145**	**2.0165**	**.06637**
Stddev	.00098	.00134	.0031	.00020
%RSD	8.8544	.33473	.15301	.30230
#1	.01218	.40299	2.0193	.06660
#2	.01056	.40051	2.0132	.06625
#3	.01042	.40086	2.0171	.06626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090621SD Acquired: 4/6/2011 14:59:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31519.**	**29136.**
Stddev	35.	377.
%RSD	.11158	1.2942
#1	31479.	28704.
#2	31547.	29399.
#3	31531.	29305.

Approved: April 07, 2011

Sample Name: L1103090622 Acquired: 4/6/2011 15:03:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00740**	**111.38**	**.13754**	**.14452**	**1.8486**	**.00770**	**404.72**
Stddev	.00067	.82	.00142	.00090	.0078	.00001	5.91
%RSD	9.1170	.73620	1.0325	.61954	.42192	.13656	1.4592
#1	.00809	110.69	.13592	.14550	1.8475	.00770	407.40
#2	.00674	112.29	.13855	.14431	1.8569	.00769	408.80
#3	.00736	111.16	.13816	.14375	1.8415	.00771	397.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00790**	**.12090**	**.25061**	**5.9880**	**233.76**	**38.041**	**.20788**
Stddev	.00012	.00022	.00097	.0103	1.12	.166	.00099
%RSD	1.4589	.17910	.38654	.17132	.47990	.43668	.47523
#1	.00788	.12075	.25097	5.9952	233.60	37.902	.20674
#2	.00779	.12079	.24951	5.9763	234.96	38.225	.20843
#3	.00802	.12115	.25134	5.9925	232.73	37.996	.20846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**94.878**	**5.3339**	**.03676**	**2.9527**	**.22731**	**13.254**	**.40478**
Stddev	.506	.0156	.00018	.0183	.00065	.005	.00137
%RSD	.53356	.29162	.50301	.61855	.28598	.03696	.33962
#1	94.395	5.3196	.03667	2.9349	.22747	13.259	.40543
#2	95.405	5.3505	.03697	2.9714	.22786	13.249	.40320
#3	94.835	5.3314	.03663	2.9519	.22659	13.254	.40570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090622 Acquired: 4/6/2011 15:03:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.902**	F **690.25**	F **-60805.**	**.01196**	**.00805**	**2.4941**	**.05220**
Stddev	5.889	1.19	111.	.00148	.00150	.0007	.00045
%RSD	6.2711	.17224	.18279	12.344	18.650	.02803	.86258
#1	91.300	691.27	-60804.	.01231	.00633	2.4946	.05272
#2	100.64	688.94	-60917.	.01324	.00872	2.4933	.05190
#3	89.763	690.53	-60694.	.01034	.00909	2.4943	.05198
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8031**	**.87485**	**.00975**	**.40354**	**1.0476**	**.06572**
Stddev	.0052	.00243	.00101	.00085	.0014	.00025
%RSD	.28538	.27787	10.377	.21041	.13562	.38255
#1	1.7987	.87254	.00860	.40380	1.0487	.06596
#2	1.8087	.87739	.01051	.40260	1.0460	.06546
#3	1.8018	.87462	.01014	.40423	1.0481	.06575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31498.**	**29175.**
Stddev	81.	211.
%RSD	.25860	.72211
#1	31440.	29248.
#2	31591.	28937.
#3	31462.	29339.

Approved: April 07, 2011

Sample Name: L1103090623 Acquired: 4/6/2011 15:07:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**113.63**	**.20146**	**.14378**	**1.4962**	**.00702**	**271.83**
Stddev	.00074	.38	.00120	.00234	.0029	.00001	.80
%RSD	7.1216	.33625	.59444	1.6285	.19268	.11106	.29487
#1	.01117	114.05	.20259	.14334	1.4952	.00702	272.46
#2	.01000	113.30	.20020	.14169	1.4940	.00702	270.93
#3	.00980	113.55	.20160	.14631	1.4995	.00701	272.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01256**	**.12674**	**.25128**	**9.9240**	**264.14**	**38.962**	**.20513**
Stddev	.00007	.00029	.00071	.0270	4.30	.088	.00052
%RSD	.52259	.22695	.28292	.27182	1.6295	.22509	.25469
#1	.01257	.12667	.25183	9.9551	262.29	38.983	.20570
#2	.01249	.12705	.25048	9.9105	261.06	38.866	.20468
#3	.01262	.12649	.25154	9.9065	269.06	39.038	.20500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.060**	**5.0631**	**.06820**	**2.6067**	**.21531**	**14.785**	**.49176**
Stddev	.459	.0149	.00018	.0089	.00053	.026	.00142
%RSD	.46342	.29341	.26060	.34216	.24541	.17305	.28864
#1	99.037	5.0668	.06823	2.6118	.21583	14.813	.49019
#2	98.613	5.0468	.06837	2.5964	.21534	14.762	.49216
#3	99.530	5.0758	.06801	2.6119	.21477	14.782	.49294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090623 Acquired: 4/6/2011 15:07:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.975**	F **573.63**	F **-65578.**	**.01600**	**.01212**	**2.5344**	**.07268**
Stddev	3.219	1.34	59.	.00182	.00109	.0035	.00018
%RSD	3.7436	.23304	.08933	11.405	9.0249	.13953	.25418
#1	85.782	574.99	-65644.	.01596	.01334	2.5369	.07285
#2	89.285	573.60	-65532.	.01784	.01179	2.5360	.07270
#3	82.857	572.32	-65560.	.01419	.01123	2.5304	.07248
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93795**	**.97928**	**.01055**	**.41278**	**2.1113**	**.06729**
Stddev	.00203	.00301	.00093	.00152	.0029	.00025
%RSD	.21690	.30769	8.7898	.36776	.13545	.36761
#1	.94013	.98071	.00983	.41347	2.1144	.06747
#2	.93610	.97582	.01022	.41104	2.1088	.06701
#3	.93762	.98132	.01159	.41383	2.1107	.06739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31698.**	**28899.**
Stddev	31.	185.
%RSD	.09735	.64153
#1	31685.	28778.
#2	31676.	29112.
#3	31733.	28806.

Approved: April 07, 2011

Sample Name: L1103090624 Acquired: 4/6/2011 15:10:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00702**	**88.889**	**.14621**	**.10310**	**1.4343**	**.00674**	**299.82**
Stddev	.00043	.545	.00049	.00115	.0060	.00003	3.01
%RSD	6.0550	.61299	.33444	1.1174	.41483	.49104	1.0045
#1	.00662	89.454	.14642	.10428	1.4410	.00677	303.10
#2	.00698	88.845	.14565	.10304	1.4324	.00676	299.16
#3	.00747	88.367	.14656	.10198	1.4296	.00671	297.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00813**	**.12894**	**.17113**	**6.1409**	**185.15**	**28.842**	**.15938**
Stddev	.00002	.00023	.00046	.0123	.83	.127	.00168
%RSD	.29751	.18002	.26604	.20065	.44629	.43986	1.0543
#1	.00810	.12875	.17088	6.1301	186.10	28.986	.15744
#2	.00815	.12920	.17165	6.1543	184.67	28.794	.16026
#3	.00813	.12888	.17085	6.1382	184.67	28.746	.16044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**77.715**	**4.8515**	**.02898**	**2.3648**	**.17157**	**13.791**	**.36606**
Stddev	.370	.0140	.00011	.0137	.00015	.017	.00186
%RSD	.47638	.28931	.36935	.58024	.08994	.12318	.50753
#1	78.088	4.8660	.02887	2.3683	.17146	13.774	.36526
#2	77.348	4.8379	.02898	2.3764	.17150	13.808	.36473
#3	77.709	4.8506	.02908	2.3496	.17175	13.792	.36818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090624 Acquired: 4/6/2011 15:10:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **76.928**	F **448.74**	F **-28954.**	**.01419**	**.00881**	**3.3389**	**.03481**
Stddev	9.784	.90	43.	.00049	.00290	.0060	.00015
%RSD	12.718	.20110	.14832	3.4267	32.924	.17892	.42440
#1	65.721	448.19	-28908.	.01467	.00964	3.3324	.03465
#2	81.298	449.78	-28993.	.01420	.01120	3.3441	.03495
#3	83.765	448.24	-28961.	.01370	.00558	3.3403	.03484
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95429**	**.71138**	**.00696**	**.33515**	**.95768**	**.05055**
Stddev	.00461	.00231	.00171	.00033	.00082	.00006
%RSD	.48281	.32426	24.523	.09952	.08523	.11561
#1	.95903	.71404	.00839	.33513	.95737	.05053
#2	.95401	.71005	.00507	.33482	.95861	.05061
#3	.94983	.71005	.00741	.33549	.95706	.05050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31679.**	**28618.**
Stddev	49.	337.
%RSD	.15598	1.1789
#1	31677.	28232.
#2	31631.	28852.
#3	31730.	28772.

Approved: April 07, 2011

Sample Name: L1103090625 Acquired: 4/6/2011 15:14:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**108.11**	**.18415**	**.14082**	**1.8611**	**.00722**	**510.97**
Stddev	.00084	.35	.00131	.00281	.0041	.00004	7.85
%RSD	8.2377	.32489	.71381	1.9942	.22013	.57505	1.5362
#1	.00985	107.73	.18567	.14402	1.8567	.00723	511.40
#2	.00965	108.41	.18330	.13876	1.8647	.00717	518.59
#3	.01120	108.20	.18349	.13969	1.8621	.00725	502.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01223**	**.12611**	**.20037**	**10.391**	**238.05**	**32.910**	**.24089**
Stddev	.00003	.00038	.00078	.038	5.20	.041	.00121
%RSD	.20829	.29849	.38705	.36599	2.1849	.12569	.50388
#1	.01220	.12655	.20106	10.435	243.75	32.867	.23971
#2	.01225	.12593	.20052	10.376	233.57	32.914	.24213
#3	.01223	.12586	.19953	10.363	236.81	32.949	.24081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**105.72**	**5.0958**	**.07321**	**2.6819**	**.21965**	**13.355**	**.66871**
Stddev	.29	.0044	.00035	.0083	.00082	.054	.00384
%RSD	.27728	.08628	.48162	.31009	.37134	.40659	.57386
#1	105.67	5.0911	.07359	2.6805	.22038	13.414	.67266
#2	105.45	5.0967	.07313	2.6908	.21877	13.344	.66848
#3	106.03	5.0997	.07290	2.6744	.21980	13.308	.66500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090625 Acquired: 4/6/2011 15:14:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.194**	F **819.74**	F **-61124.**	**.01425**	**.00840**	**4.3645**	**.04956**
Stddev	6.232	3.37	291.	.00093	.00318	.0199	.00031
%RSD	7.4907	.41050	.47687	6.5379	37.874	.45526	.62205
#1	77.656	823.46	-61453.	.01532	.00974	4.3874	.04990
#2	81.984	816.92	-61021.	.01382	.01070	4.3524	.04947
#3	89.942	818.82	-60898.	.01361	.00477	4.3536	.04930
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2383**	**.95309**	**.00982**	**.41122**	**1.9930**	**.07237**
Stddev	.0074	.00254	.00056	.00250	.0107	.00071
%RSD	.33110	.26636	5.6757	.60854	.53735	.98111
#1	2.2307	.95107	.01045	.41344	2.0052	.07315
#2	2.2455	.95226	.00942	.40850	1.9886	.07177
#3	2.2386	.95594	.00957	.41171	1.9851	.07217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31099.**	**28745.**
Stddev	106.	293.
%RSD	.33930	1.0182
#1	30989.	28459.
#2	31107.	29044.
#3	31200.	28731.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:17:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42479**	**9.7112**	**.41938**	**.52173**	**.97733**	**.05161**	**9.7369**
Stddev	.00057	.1143	.00166	.00201	.00971	.00013	.0936
%RSD	.13365	1.1769	.39606	.38551	.99397	.25954	.96164
#1	.42516	9.5881	.41746	.52226	.96817	.05169	9.6347
#2	.42414	9.7315	.42041	.51951	.97631	.05146	9.7575
#3	.42507	9.8140	.42027	.52343	.98751	.05168	9.8186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05292**	**.21353**	**.51938**	**.53401**	**3.9603**	**49.211**	**.99143**
Stddev	.00017	.00049	.00139	.00078	.0369	.497	.00899
%RSD	.31282	.23050	.26774	.14539	.93250	1.0098	.90676
#1	.05292	.21297	.51936	.53350	3.9297	48.683	.98138
#2	.05275	.21380	.51800	.53362	3.9500	49.280	.99422
#3	.05308	.21383	.52078	.53490	4.0013	49.670	.99870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.064**	**.50589**	**1.0033**	**49.062**	**.52267**	F **-.00170**	**.52870**
Stddev	.104	.00474	.0019	.510	.00138	.00033	.00020
%RSD	1.0373	.93627	.18905	1.0398	.26334	19.714	.03829
#1	9.9484	.50087	1.0023	48.506	.52140	-.00132	.52884
#2	10.093	.50653	1.0022	49.172	.52247	-.00184	.52878
#3	10.151	.51028	1.0055	49.509	.52413	-.00194	.52847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:17:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.480**	**10.765**	F **15.976**	**1.2844**	**.42379**	F **2.3285**	**1.0562**
Stddev	4.656	.030	1.076	.0091	.00181	.0056	.0030
%RSD	21.673	.27425	6.7344	.71039	.42774	.24054	.28215
#1	26.229	10.734	17.025	1.2749	.42181	2.3258	1.0536
#2	21.288	10.767	16.029	1.2854	.42419	2.3248	1.0555
#3	16.924	10.793	14.875	1.2931	.42537	2.3350	1.0594
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98547**	**1.0049**	**.54020**	**1.0486**	**1.0313**	F **.00103**
Stddev	.01031	.0086	.00315	.0028	.0026	.00012
%RSD	1.0465	.85819	.58337	.26652	.24699	11.494
#1	.97439	.99583	.53676	1.0506	1.0294	.00097
#2	.98724	1.0057	.54088	1.0454	1.0304	.00095
#3	.99479	1.0130	.54295	1.0498	1.0342	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32545.**	**27101.**
Stddev	129.	380.
%RSD	.39749	1.4026
#1	32658.	27540.
#2	32572.	26889.
#3	32404.	26874.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 15:21:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.02481**	**-.00040**	**-.00282**	**-.00015**	**.00003**	**.00110**
Stddev	.00028	.00428	.00018	.00072	.00006	.00001	.00555
%RSD	198.78	17.257	45.271	25.550	41.921	28.952	503.98
#1	-.00045	-.02821	-.00060	-.00220	-.00013	.00003	.00196
#2	-.00003	-.02000	-.00033	-.00361	-.00009	.00002	-.00483
#3	.00007	-.02623	-.00026	-.00264	-.00021	.00003	.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00010**	**-.00043**	**-.00022**	**.00092**	**.09549**	**.00048**
Stddev	.00003	.00011	.00027	.00060	.00121	.03643	.00181
%RSD	292.51	101.83	62.744	272.79	130.70	38.153	378.16
#1	-.00001	.00002	-.00012	.00028	.00021	.08762	-.00146
#2	.00002	-.00018	-.00062	-.00005	.00232	.13522	.00214
#3	-.00004	-.00015	-.00054	-.00088	.00025	.06364	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01040**	**-.00009**	**.00018**	**.00312**	**.00014**	**-.00097**	**.00010**
Stddev	.00768	.00022	.00020	.00295	.00035	.00211	.00077
%RSD	73.868	248.18	113.45	94.524	249.57	216.31	751.38
#1	.01077	.00005	.00039	.00375	.00017	.00085	.00084
#2	.01789	.00002	-.00001	-.00009	.00047	-.00328	.00018
#3	.00254	-.00034	.00015	.00571	-.00022	-.00049	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 15:21:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.0014**	**.02653**	F **-3.2820**	**.00073**	**-.00054**	**.00074**	**.00013**
Stddev	5.4380	.01312	6.9805	.00077	.00205	.00120	.00014
%RSD	77.670	49.449	212.69	106.38	378.36	162.38	112.85
#1	7.8598	.03913	-11.228	.00140	-.00205	.00019	-.00002
#2	11.959	.02751	-.4800	.00089	-.00138	-.00009	.00027
#3	1.1853	.01295	1.8622	-.00012	.00180	.00212	.00013
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00022**	**-.00028**	**-.00026**	**.00000**	**.00004**
Stddev	.00013	.00053	.00025	.00019	.0000	.00003
%RSD	1858.9	243.65	88.530	70.618	1008.6	74.899
#1	.00010	-.00002	-.00029	-.00046	.00004	.00005
#2	.00003	-.00015	-.00052	-.00009	-.00005	.00001
#3	-.00015	.00082	-.00003	-.00024	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32819.**	**26582.**
Stddev	86.	146.
%RSD	.26161	.54888
#1	32721.	26591.
#2	32884.	26431.
#3	32850.	26723.

Approved: April 07, 2011

Sample Name: PBS B2 Acquired: 4/6/2011 15:24:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.02800**	**-.00077**	**-.00378**	**-.00008**	**.00004**	**-.00258**
Stddev	.00017	.00613	.00049	.00037	.00013	.00002	.00538
%RSD	98.224	21.881	62.862	9.8620	161.00	40.553	208.53
#1	.00000	-.02100	-.00130	-.00388	-.00012	.00004	.00313
#2	.00018	-.03239	-.00069	-.00337	.00006	.00006	-.00332
#3	.00034	-.03062	-.00034	-.00409	-.00017	.00003	-.00755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00025**	**.00015**	**-.00008**	**.01439**	**.11399**	**.00179**
Stddev	.00002	.00011	.00031	.00079	.00069	.01663	.00111
%RSD	22.208	45.014	208.94	980.76	4.7742	14.585	61.840
#1	.00008	-.00027	.00016	.00054	.01386	.09828	.00064
#2	.00010	-.00035	-.00016	-.00096	.01517	.13140	.00188
#3	.00006	-.00013	.00045	.00018	.01416	.11230	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00952**	**-.00016**	**.00017**	**.01161**	**.00031**	**-.00378**	**-.00008**	
Stddev	.01420	.00023	.00010	.00692	.00023	.00267	.00060
%RSD	149.20	144.73	59.101	59.617	74.649	70.649	760.26
#1	.01705	.00002	.00020	.01914	.00052	-.00683	.00053
#2	-.00686	-.00007	.00006	.00551	.00033	-.00271	-.00067
#3	.01836	-.00042	.00026	.01019	.00006	-.00182	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: PBS B2 Acquired: 4/6/2011 15:24:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.561**	**1.4351**	F **-315.25**	**.00172**	**.00070**	**.00794**	**-.00011**
Stddev	8.949	.0364	4.18	.00009	.00120	.00075	.00028
%RSD	77.411	2.5393	1.3271	5.2244	171.74	9.4021	265.11
#1	18.430	1.4059	-318.36	.00161	-.00060	.00830	.00019
#2	1.4402	1.4759	-310.49	.00178	.00175	.00844	-.00014
#3	14.812	1.4235	-316.90	.00176	.00095	.00708	-.00037
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00027**	**-.00149**	**-.00017**	**.00154**	**-.00004**
Stddev	.00004	.00067	.00006	.00023	.00004	.00022
%RSD	86.572	244.70	3.9789	130.18	2.7944	504.18
#1	-.00001	-.00025	-.00143	-.00034	.00152	.00021
#2	-.00008	.00102	-.00154	.00008	.00151	-.00014
#3	-.00003	.00004	-.00150	-.00026	.00158	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32840.**	**26902.**
Stddev	143.	38.
%RSD	.43621	.14021
#1	32998.	26918.
#2	32804.	26859.
#3	32719.	26928.

Approved: April 07, 2011

Sample Name: LCSS B2 Acquired: 4/6/2011 15:28:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**4.7256**	**.19695**	**.92908**	**.47716**	**.02532**	**4.7081**
Stddev	.00167	.0082	.00059	.00280	.00168	.00006	.0061
%RSD	.81176	.17364	.30002	.30184	.35131	.23233	.12885
#1	.20443	4.7225	.19654	.92645	.47687	.02538	4.7012
#2	.20625	4.7349	.19669	.93203	.47896	.02526	4.7106
#3	.20778	4.7195	.19763	.92876	.47565	.02532	4.7125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02529**	**.10690**	**.25452**	**.26026**	**1.9209**	**23.916**	**.48531**
Stddev	.00003	.00010	.00121	.00097	.0129	.059	.00232
%RSD	.10112	.09308	.47399	.37227	.66881	.24795	.47839
#1	.02532	.10681	.25591	.25978	1.9126	23.850	.48507
#2	.02527	.10689	.25375	.25962	1.9357	23.965	.48774
#3	.02529	.10701	.25391	.26137	1.9144	23.932	.48311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9533**	**.24970**	**.50592**	**24.349**	**.25837**	F **-.00697**	**.25784**
Stddev	.0221	.00070	.00102	.029	.00047	.00325	.00075
%RSD	.44506	.28108	.20201	.11936	.18167	46.583	.29040
#1	4.9280	.24955	.50701	24.357	.25812	-.00345	.25760
#2	4.9689	.24908	.50576	24.316	.25808	-.00985	.25723
#3	4.9629	.25046	.50498	24.373	.25891	-.00760	.25867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS B2 Acquired: 4/6/2011 15:28:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.588**	**5.3851**	F **-17.648**	**.59732**	**.19686**	**2.5875**	**.51849**
Stddev	13.057	.0259	4.474	.00109	.00215	.0035	.00295
%RSD	89.509	.48150	25.351	.18247	1.0944	.13483	.56892
#1	29.086	5.4149	-22.177	.59818	.19564	2.5870	.52155
#2	3.7558	5.3676	-17.536	.59610	.19560	2.5843	.51566
#3	10.921	5.3728	-13.231	.59769	.19935	2.5912	.51825
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48172**	**.49431**	**.26076**	**.52652**	**.50263**	**.00062**
Stddev	.00088	.00163	.00284	.00197	.00073	.00004
%RSD	.18275	.33062	1.0903	.37427	.14515	6.5499
#1	.48272	.49290	.26220	.52493	.50323	.00061
#2	.48108	.49610	.25748	.52873	.50182	.00059
#3	.48135	.49392	.26259	.52590	.50283	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31438.**	**25859.**
Stddev	49.	40.
%RSD	.15566	.15549
#1	31398.	25894.
#2	31424.	25868.
#3	31493.	25815.

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:31:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	F **909.44**	**-.00679**	**.00053**	**-.00038**	**-.00006**	**.01490**
Stddev	.00021	18.74	.00148	.00049	.00008	.00001	.00708
%RSD	116.54	2.0609	21.759	92.464	21.399	12.232	47.525
#1	.00043	920.54	-.00682	.00101	-.00047	-.00005	.00907
#2	.00002	919.97	-.00530	.00003	-.00038	-.00007	.02278
#3	.00011	887.80	-.00826	.00056	-.00030	-.00007	.01285
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		810.00					
Low Limit		-.10000					

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00071**	**-.00011**	**-.00037**	**.00049**	**.15539**	**.00044**
Stddev	.00011	.00016	.00024	.00049	.00101	.07070	.00080
%RSD	76.111	22.746	230.51	132.05	204.54	45.501	180.03
#1	-.00009	.00080	-.00017	-.00044	-.00054	.23702	.00136
#2	-.00008	.00081	.00017	-.00083	.00054	.11357	-.00008
#3	-.00028	.00052	-.00031	.00015	.00149	.11557	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01115**	**.00305**	**.00050**	**.01456**	**-.00361**	**.07537**	**.01119**
Stddev	.00772	.00041	.00016	.00158	.00019	.00635	.00404
%RSD	69.257	13.396	32.198	10.870	5.1718	8.4253	36.063
#1	.00667	.00305	.00052	.01289	-.00364	.08092	.01068
#2	.00671	.00264	.00065	.01473	-.00379	.07676	.00744
#3	.02007	.00346	.00033	.01604	-.00342	.06844	.01546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:31:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.238**	**1.0423**	F **-197.24**	**-.00732**	F **-.02159**	**-.00436**	**-.00119**
Stddev	8.741	.0604	5.88	.00078	.00568	.00143	.00015
%RSD	47.926	5.7957	2.9816	10.681	26.310	32.897	12.565
#1	12.367	.97358	-201.37	-.00785	-.02647	-.00573	-.00121
#2	28.284	1.0662	-199.85	-.00770	-.02295	-.00287	-.00103
#3	14.064	1.0870	-190.51	-.00642	-.01536	-.00449	-.00132
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000		9.0000		81.000		
Low Limit	-.00400		-.00400		-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00070**	**-.00197**	**.00012**	F **-.01728**	**.00007**
Stddev	.00003	.00047	.00145	.00022	.00080	.00007
%RSD	64.317	66.852	73.363	175.54	4.6060	104.60
#1	.00007	.00021	-.00225	.00035	-.01771	-.00001
#2	.00007	.00114	-.00325	.00010	-.01776	.00011
#3	.00001	.00075	-.00040	-.00008	-.01636	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					45.000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31857.**	**28280.**
Stddev	35.	74.
%RSD	.11045	.25994
#1	31844.	28195.
#2	31897.	28326.
#3	31830.	28318.

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:35:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**-.01614**	**-.00842**	**.38735**	**-.00021**	**-.00017**
Stddev	.00026	.01496	.00034	.00561	.00023	.00000
%RSD	38.638	92.633	4.0397	1.4484	107.04	3.0197
#1	-.00073	-.00156	-.00862	.39375	-.00047	-.00017
#2	-.00089	-.03144	-.00802	.38503	-.00004	-.00017
#3	-.00039	-.01544	-.00861	.38327	-.00013	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02121**	**.00124**	**-.00190**	F **-.03925**	**.11575**	F **946.66**
Stddev	.00442	.00005	.00027	.00040	.00137	7.85
%RSD	20.817	3.6413	13.971	1.0106	1.1808	.82931
#1	-.02539	.00129	-.00159	-.03970	.11577	955.57
#2	-.01659	.00123	-.00205	-.03902	.11438	940.76
#3	-.02166	.00121	-.00206	-.03902	.11711	943.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				90.000		900.00
Low Limit				-.00300		-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06819**	**-.00034**	**-.01450**	**.00091**	**-.00441**	**-.00147**
Stddev	.01131	.00245	.00255	.00020	.00013	.00852
%RSD	16.583	709.58	17.576	21.452	2.9036	578.25
#1	-.07581	.00126	-.01709	.00084	-.00426	.00577
#2	-.07356	.00086	-.01441	.00077	-.00444	.00067
#3	-.05520	-.00316	-.01200	.00114	-.00451	-.01086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

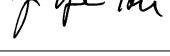
Sample Name: LRC Acquired: 4/6/2011 15:35:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00381**	kF **-.43823**	**.03194**	F **12.747**	**.37250**	F **180.71**
Stddev	.00080	.00665	.00151	9.344	.05907	7.93
%RSD	20.936	1.5177	4.7200	73.299	15.859	4.3864
#1	-.00472	k -.44590	.03061	17.084	.42962	187.49
#2	-.00320	k -.43409	.03358	19.135	.31165	182.64
#3	-.00351	k -.43470	.03163	2.0233	.37624	171.99
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		900.00		9.0000		9.0000
Low Limit		-.00400		-.00400		-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00429**	**.00282**	**.00261**	**.00527**	**-.00004**	**.00245**
Stddev	.00053	.00068	.00013	.00016	.00005	.00029
%RSD	12.467	23.964	4.9934	3.1129	124.17	11.744
#1	-.00464	.00339	.00275	.00544	-.00007	.00221
#2	-.00456	.00207	.00249	.00511	.00002	.00277
#3	-.00367	.00299	.00259	.00526	-.00006	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00396**	F **-.01418**	**.00504**	^ *****
Stddev	.00055	.00024	.00008	-----
%RSD	13.946	1.6597	1.6323	-----
#1	.00337	-.01442	.00514	^ -----
#2	.00447	-.01419	.00500	^ -----
#3	.00403	-.01394	.00499	^ -----
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		90.000		
Low Limit		-.01000		

Approved: April 07, 2011



Sample Name: LRC Acquired: 4/6/2011 15:35:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31081.**	**26317.**
Stddev	75.	110.
%RSD	.24150	.41976
#1	31042.	26275.
#2	31167.	26442.
#3	31033.	26233.

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:38:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07411**	**.14872**	**.00585**	**-.01803**	**-.00022**	**.00011**	**-.01031**
Stddev	.00015	.00360	.00052	.00099	.00014	.00001	.00443
%RSD	.19959	2.4229	8.9110	5.4858	65.034	12.679	42.981
#1	.07416	.15271	.00565	-.01720	-.00017	.00012	-.01388
#2	.07394	.14570	.00546	-.01913	-.00011	.00012	-.00535
#3	.07422	.14775	.00644	-.01777	-.00038	.00010	-.01171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00069**	F **-.01323**	**.00221**	**.01697**	**.01931**	**.00140**
Stddev	.00001	.00006	.00030	.00022	.00608	.01461	.00106
%RSD	1.5529	9.2379	2.2344	10.116	35.812	75.655	75.660
#1	.00033	.00063	-.01289	.00205	.02399	.01654	.00088
#2	.00034	.00069	-.01337	.00247	.01358	.00628	.00070
#3	.00034	.00076	-.01343	.00212	.01335	.03510	.00262
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.00300				

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02654**	F **196.46**	F **-.01153**	**.00953**	**.00173**	F **-.17441**	**.02538**
Stddev	.01443	.57	.00007	.01050	.00028	.00205	.00194
%RSD	54.367	.28858	.64831	110.20	16.429	1.1736	7.6371
#1	.04318	195.81	-.01160	.00004	.00155	-.17646	.02701
#2	.01767	196.71	-.01145	.00773	.00157	-.17237	.02323
#3	.01875	196.85	-.01154	.02081	.00205	-.17440	.02589
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		180.00	18.000			900.00	
Low Limit		-.00300	-.01000			-.00400	

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:38:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.9435**	F **32.764**	F **-5224.0**	**-.00186**	**.07365**	**.00147**	**-.00044**
Stddev	2.1082	.312	39.5	.00085	.00139	.00053	.00018
%RSD	35.470	.95245	.75632	45.898	1.8838	35.981	41.307
#1	-8.2815	32.498	-5205.5	-.00136	.07238	.00188	-.00025
#2	-4.1875	32.686	-5197.0	-.00285	.07513	.00166	-.00061
#3	-5.3616	33.107	-5269.3	-.00137	.07344	.00087	-.00048
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00440**	**.06791**	F **-.01871**	**.00273**	**-.00010**
Stddev	.00005	.00043	.00338	.00058	.00007	.00008
%RSD	69.996	9.7376	4.9788	3.0916	2.5530	84.522
#1	-.00001	-.00489	.06649	-.01805	.00266	.00000
#2	-.00009	-.00418	.06546	-.01894	.00274	-.00014
#3	-.00011	-.00412	.07176	-.01914	.00280	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32298.**	**26497.**
Stddev	108.	227.
%RSD	.33553	.85696
#1	32418.	26679.
#2	32271.	26571.
#3	32206.	26243.

Approved: April 07, 2011

Sample Name: L1104018001 Acquired: 4/6/2011 15:42:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01824**	**319.25**	**.04843**	**.27402**	**1.1686**	**.00589**	**3.1307**
Stddev	.00031	2.70	.00128	.00715	.0062	.00003	.0179
%RSD	1.6781	.84464	2.6508	2.6077	.52771	.44855	.57251
#1	.01808	317.03	.04833	.27369	1.1633	.00591	3.1109
#2	.01805	318.48	.04976	.28132	1.1671	.00586	3.1357
#3	.01859	322.25	.04720	.26704	1.1754	.00591	3.1457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**.12543**	**.32370**	**.28678**	**660.78**	**13.212**	**.08145**
Stddev	.00010	.00036	.00123	.00340	7.26	.075	.00106
%RSD	3.3136	.28677	.37984	1.1844	1.0987	.56607	1.2978
#1	.00309	.12533	.32252	.28323	657.48	13.126	.08237
#2	.00323	.12512	.32360	.28713	669.10	13.245	.08029
#3	.00303	.12582	.32497	.29000	655.75	13.265	.08168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.892**	**11.149**	**.00851**	**.35375**	**.12002**	**6.8999**	**.18681**
Stddev	.081	.052	.00020	.00578	.00060	.0190	.00174
%RSD	.67819	.46585	2.3464	1.6342	.49716	.27560	.93238
#1	11.800	11.093	.00872	.35994	.12063	6.9013	.18651
#2	11.924	11.157	.00846	.35283	.11943	6.8802	.18524
#3	11.951	11.196	.00833	.34849	.12001	6.9182	.18869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104018001 Acquired: 4/6/2011 15:42:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **65.476**	F **51.085**	F **-10377.**	**.00222**	**.00497**	**2.9438**	**.02310**
Stddev	10.267	.252	24.	.00225	.00121	.0083	.00005
%RSD	15.681	.49343	.23291	101.11	24.299	.28023	.19523
#1	59.987	50.887	-10396.	.00127	.00400	2.9356	.02315
#2	77.321	51.000	-10384.	.00479	.00632	2.9521	.02306
#3	59.120	51.369	-10350.	.00061	.00459	2.9435	.02311
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04326**	**1.9459**	**.04002**	**1.3865**	**.49143**	**.17550**
Stddev	.00008	.0095	.00091	.0086	.00097	.00051
%RSD	.19434	.48623	2.2842	.61707	.19659	.29131
#1	.04318	1.9406	.04080	1.3813	.49248	.17526
#2	.04325	1.9403	.03901	1.3818	.49058	.17514
#3	.04335	1.9568	.04025	1.3964	.49124	.17608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32387.**	**28122.**
Stddev	27.	117.
%RSD	.08269	.41682
#1	32356.	28257.
#2	32406.	28047.
#3	32399.	28062.

Approved: April 07, 2011

Sample Name: L1104018002S Acquired: 4/6/2011 15:46:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23487**	**332.99**	**.21563**	**.92759**	**1.4863**	**.02256**	**6.4326**
Stddev	.00122	2.19	.00259	.00622	.0012	.00011	.0242
%RSD	.51958	.65893	1.2028	.67049	.08264	.47582	.37597
#1	.23438	331.38	.21456	.92049	1.4876	.02245	6.4176
#2	.23397	332.11	.21859	.93026	1.4852	.02256	6.4196
#3	.23626	335.49	.21374	.93204	1.4860	.02266	6.4605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02532**	**.30071**	**.51791**	**.50621**	**637.90**	**36.187**	**.49917**
Stddev	.00006	.00043	.00333	.00120	5.19	.084	.00175
%RSD	.22248	.14268	.64373	.23643	.81370	.23286	.35024
#1	.02531	.30021	.51413	.50533	632.12	36.130	.49715
#2	.02527	.30098	.51914	.50572	639.41	36.147	.50010
#3	.02538	.30093	.52045	.50757	642.17	36.284	.50026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.484**	**18.288**	**.43487**	**21.560**	**.35909**	**7.0817**	**.46335**
Stddev	.028	.027	.00037	.153	.00063	.0093	.00178
%RSD	.15230	.14789	.08438	.70913	.17634	.13134	.38499
#1	18.467	18.261	.43515	21.424	.35868	7.0864	.46416
#2	18.517	18.288	.43501	21.530	.35878	7.0877	.46459
#3	18.469	18.315	.43445	21.725	.35982	7.0709	.46131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104018002S Acquired: 4/6/2011 15:46:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **53.669**	F **50.676**	F **-9296.5**	**.51112**	**.15449**	**6.6759**	**.43807**
Stddev	10.176	.184	23.8	.00344	.00090	.0101	.00060
%RSD	18.961	.36325	.25596	.67245	.58494	.15190	.13621
#1	45.598	50.469	-9312.5	.50843	.15552	6.6658	.43838
#2	50.308	50.820	-9307.9	.51499	.15412	6.6861	.43738
#3	65.101	50.739	-9269.2	.50994	.15383	6.6759	.43845
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45515**	**6.8361**	**.25504**	**1.9327**	**.98874**	**.17150**
Stddev	.00245	.0149	.00059	.0086	.00154	.00250
%RSD	.53856	.21823	.22977	.44338	.15559	1.4595
#1	.45351	6.8282	.25571	1.9275	.98816	.16897
#2	.45398	6.8268	.25464	1.9279	.98759	.17155
#3	.45797	6.8533	.25477	1.9426	.99049	.17397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31694.**	**27961.**
Stddev	70.	159.
%RSD	.22014	.56893
#1	31702.	27843.
#2	31759.	27899.
#3	31620.	28142.

Approved: April 07, 2011

Sample Name: L1104018003SD Acquired: 4/6/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24332**	**324.77**	**.21742**	**.94326**	**1.9979**	**.02164**	**6.4353**
Stddev	.00229	3.35	.00272	.01884	.0112	.00013	.0537
%RSD	.94059	1.0310	1.2505	1.9969	.56072	.61949	.83513
#1	.24299	323.90	.21450	.93010	1.9877	.02160	6.4114
#2	.24121	321.95	.21786	.93486	1.9961	.02152	6.3977
#3	.24576	328.47	.21989	.96484	2.0099	.02178	6.4969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02560**	**.44862**	**.51217**	**.51905**	**634.64**	**36.807**	**.49985**
Stddev	.00019	.00149	.00252	.00292	21.36	.232	.00377
%RSD	.75779	.33157	.49139	.56342	3.3654	.63074	.75397
#1	.02544	.44692	.51261	.51593	617.88	36.609	.49803
#2	.02554	.44924	.50947	.52173	627.37	36.749	.49733
#3	.02582	.44969	.51444	.51950	658.69	37.062	.50418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.925**	**28.938**	**.44213**	**21.818**	**.36313**	**7.0094**	**.60007**
Stddev	.165	.433	.00067	.169	.00028	.0080	.00053
%RSD	.87291	1.4968	.15142	.77264	.07778	.11421	.08856
#1	18.786	28.750	.44281	21.785	.36345	7.0107	.60062
#2	18.882	29.433	.44212	21.669	.36304	7.0167	.60003
#3	19.108	28.630	.44147	22.001	.36291	7.0008	.59956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104018003SD Acquired: 4/6/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.143**	F **52.362**	F **-9479.3**	**.52317**	**.16027**	**8.2626**	**.47368**
Stddev	7.757	.319	5.8	.00028	.00148	.0374	.00079
%RSD	13.575	.60858	.06161	.05316	.92387	.45240	.16714
#1	58.312	52.043	-9472.5	.52286	.15870	8.2706	.47295
#2	48.868	52.363	-9482.3	.52323	.16165	8.2953	.47355
#3	64.250	52.680	-9483.0	.52341	.16045	8.2219	.47452
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45913**	**7.5334**	**.26531**	**1.9397**	**1.0083**	**.17134**
Stddev	.00271	.0397	.00142	.0146	.0016	.00420
%RSD	.59077	.52675	.53435	.75482	.16196	2.4533
#1	.45850	7.5105	.26382	1.9344	1.0077	.16862
#2	.45679	7.5105	.26546	1.9284	1.0070	.16921
#3	.46211	7.5792	.26665	1.9562	1.0101	.17618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31625.**	**28191.**
Stddev	71.	212.
%RSD	.22352	.75314
#1	31641.	28354.
#2	31687.	28269.
#3	31548.	27951.

Approved: April 07, 2011

Sample Name: L1103018001PS Acquired: 4/6/2011 15:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360996-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22180**	**286.73**	**.24043**	**1.1236**	**1.4909**	**.03045**	**7.1888**
Stddev	.00106	.33	.00119	.0025	.0039	.00006	.0178
%RSD	.47843	.11496	.49700	.21989	.26319	.19998	.24744
#1	.22267	286.76	.24160	1.1264	1.4868	.03048	7.1752
#2	.22213	286.38	.23921	1.1224	1.4911	.03050	7.1823
#3	.22062	287.04	.24047	1.1219	1.4947	.03038	7.2089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02725**	**.21378**	**.53433**	**.49977**	**591.51**	**34.471**	**.53213**
Stddev	.00000	.00056	.00125	.00262	5.36	.043	.00265
%RSD	.01472	.26336	.23396	.52513	.90624	.12584	.49719
#1	.02725	.21361	.53571	.50119	593.55	34.426	.52909
#2	.02724	.21441	.53402	.50138	585.43	34.473	.53350
#3	.02725	.21333	.53327	.49674	595.56	34.512	.53382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.287**	**10.272**	**.48249**	**23.207**	**.34893**	**6.3035**	**.40410**
Stddev	.023	.006	.00019	.015	.00016	.0107	.00068
%RSD	.14988	.06221	.03840	.06644	.04719	.16906	.16791
#1	15.263	10.278	.48270	23.201	.34879	6.3102	.40489
#2	15.291	10.272	.48240	23.197	.34911	6.3090	.40374
#3	15.309	10.266	.48236	23.225	.34889	6.2912	.40368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103018001PS Acquired: 4/6/2011 15:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360996-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **49.372**	F **51.690**	F **-9472.8**	**.57126**	**.19211**	**5.0913**	**.02189**
Stddev	1.958	.238	20.5	.00245	.00462	.0137	.00020
%RSD	3.9663	.46009	.21607	.42805	2.4044	.26917	.93129
#1	47.313	51.689	-9449.5	.56920	.19414	5.1060	.02187
#2	49.593	51.928	-9488.0	.57396	.18683	5.0789	.02170
#3	51.210	51.452	-9480.8	.57062	.19537	5.0891	.02211
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49043**	**2.2035**	**.26724**	**1.7703**	**.92514**	**.15848**
Stddev	.00051	.0038	.00242	.0039	.00115	.00091
%RSD	.10318	.17171	.90528	.22250	.12457	.57129
#1	.49100	2.2035	.26839	1.7736	.92644	.15951
#2	.49025	2.1997	.26888	1.7714	.92476	.15813
#3	.49004	2.2072	.26447	1.7660	.92423	.15780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32345.**	**28396.**
Stddev	63.	174.
%RSD	.19483	.61398
#1	32324.	28230.
#2	32295.	28578.
#3	32416.	28378.

Approved: April 07, 2011

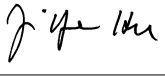
Sample Name: L1103018001SDL Acquired: 4/6/2011 15:56:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00433**	**67.045**	**.01076**	**.05904**	**.24143**	**.00124**	**.65080**
Stddev	.00046	.352	.00114	.00057	.00083	.00003	.00667
%RSD	10.701	.52573	10.564	.96878	.34206	2.5513	1.0252
#1	.00485	67.270	.01051	.05936	.24097	.00123	.64388
#2	.00397	66.639	.01201	.05838	.24095	.00122	.65134
#3	.00416	67.226	.00977	.05937	.24239	.00128	.65719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.02850**	**.06895**	**.06341**	**144.01**	**3.0140**	**.01748**
Stddev	.00006	.00013	.00015	.00060	.41	.0051	.00075
%RSD	11.407	.47222	.21937	.94709	.28469	.16898	4.3079
#1	.00046	.02866	.06905	.06395	143.84	3.0196	.01723
#2	.00055	.02844	.06902	.06352	143.71	3.0097	.01832
#3	.00044	.02841	.06877	.06276	144.48	3.0127	.01688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6545**	**2.3999**	**.00149**	**.07986**	**.02687**	**1.5877**	**.04335**
Stddev	.0231	.0033	.00018	.00778	.00012	.0060	.00024
%RSD	.87070	.13571	11.811	9.7380	.43671	.37752	.54620
#1	2.6731	2.4036	.00130	.07092	.02674	1.5809	.04362
#2	2.6619	2.3980	.00151	.08368	.02690	1.5919	.04317
#3	2.6286	2.3980	.00165	.08500	.02697	1.5905	.04327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103018001SDL Acquired: 4/6/2011 15:56:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.491**	F **11.707**	F **-2358.9**	**-.00014**	**.00084**	**.67837**	**.00486**
Stddev	10.622	.029	13.7	.00137	.00070	.01506	.00010
%RSD	78.735	.24894	.58228	959.40	83.668	2.2200	2.0049
#1	2.3396	11.699	-2347.2	-.00142	.00094	.69316	.00479
#2	23.490	11.739	-2374.0	-.00031	.00148	.67889	.00497
#3	14.644	11.683	-2355.4	.00130	.00009	.66306	.00482
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00902**	**.41209**	**.00883**	**.29126**	**.10910**	**.03418**
Stddev	.00008	.00084	.00060	.00077	.00045	.00034
%RSD	.89801	.20320	6.7807	.26331	.41167	.98678
#1	.00896	.41300	.00950	.29054	.10872	.03448
#2	.00899	.41191	.00865	.29118	.10960	.03423
#3	.00911	.41135	.00834	.29207	.10898	.03382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33491.**	**27615.**
Stddev	35.	52.
%RSD	.10472	.18861
#1	33531.	27582.
#2	33466.	27675.
#3	33476.	27587.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:59:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43796**	**9.5116**	**.42527**	**.52224**	**.95632**	**.05174**	**9.4546**
Stddev	.00177	.0480	.00164	.00133	.00424	.00004	.0467
%RSD	.40335	.50449	.38631	.25387	.44301	.08074	.49385
#1	.43598	9.4826	.42419	.52073	.95896	.05176	9.4386
#2	.43853	9.4851	.42446	.52276	.95143	.05169	9.4181
#3	.43937	9.5670	.42716	.52322	.95856	.05176	9.5072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05384**	**.21805**	**.51578**	**.54494**	**3.8768**	**48.383**	**.97717**
Stddev	.00019	.00072	.00117	.00324	.0126	.129	.00422
%RSD	.34464	.32814	.22748	.59428	.32393	.26638	.43169
#1	.05366	.21726	.51444	.54172	3.8905	48.422	.97973
#2	.05383	.21822	.51663	.54491	3.8657	48.239	.97230
#3	.05403	.21867	.51626	.54820	3.8743	48.487	.97948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.021**	**.50703**	**.97846**	**48.030**	**.52485**	F **.00189**	**.53945**
Stddev	.037	.00250	.00038	.198	.00095	.00149	.00199
%RSD	.36919	.49364	.03874	.41273	.18079	78.820	.36947
#1	9.9919	.50965	.97814	47.945	.52380	.00258	.53801
#2	10.009	.50467	.97836	47.888	.52509	.00018	.53860
#3	10.063	.50677	.97888	48.256	.52565	.00292	.54172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:59:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.2334**	**10.931**	F **30.403**	**1.3038**	**.42874**	F **.01891**	**1.0707**
Stddev	10.734	.120	7.166	.0073	.00212	.00120	.0030
%RSD	205.10	1.0975	23.570	.56288	.49486	6.3574	.27879
#1	-6.4070	10.877	38.631	1.3032	.42818	.01752	1.0694
#2	7.3673	10.847	25.523	1.2968	.42696	.01959	1.0686
#3	14.740	11.068	27.056	1.3115	.43109	.01962	1.0741
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97010**	**1.0009**	**.54795**	**1.0458**	**1.0368**	F **.00168**
Stddev	.00477	.0035	.00266	.0022	.0028	.00016
%RSD	.49192	.35051	.48472	.21311	.26983	9.4991
#1	.97007	1.0018	.54620	1.0433	1.0343	.00156
#2	.96534	.99704	.54664	1.0464	1.0362	.00162
#3	.97488	1.0039	.55100	1.0477	1.0398	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31638.**	**26446.**
Stddev	113.	190.
%RSD	.35853	.71740
#1	31719.	26596.
#2	31686.	26233.
#3	31508.	26508.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:03:15 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.02313**	**-.00027**	**-.00111**	**-.00008**	**.00004**	**-.01090**
Stddev	.00040	.00461	.00114	.00058	.00019	.00001	.00314
%RSD	469.23	19.921	428.49	52.042	224.18	31.042	28.802
#1	-.00031	-.02475	-.00112	-.00049	.00012	.00004	-.01355
#2	.00009	-.01793	-.00070	-.00163	-.00024	.00005	-.01172
#3	.00048	-.02671	.00103	-.00122	-.00013	.00003	-.00743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00009**	**-.00001**	**-.00034**	**-.00074**	**.12539**	**.00036**
Stddev	.00002	.00007	.00011	.00020	.00134	.00700	.00099
%RSD	69.983	75.566	1265.6	58.344	181.18	5.5806	271.63
#1	.00006	.00009	-.00008	-.00055	-.00158	.11892	.00088
#2	.00001	.00002	-.00006	-.00029	.00081	.12443	-.00078
#3	.00003	.00015	.00012	-.00017	-.00145	.13282	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**-.00014**	**.00003**	**.01307**	**-.00008**	**-.00095**	**-.00126**
Stddev	.00515	.00029	.00016	.00349	.00019	.00314	.00156
%RSD	45.072	208.82	465.35	26.664	252.63	332.22	124.02
#1	.01688	.00006	-.00014	.01501	-.00016	-.00268	.00005
#2	.01073	.00000	.00010	.00905	-.00021	-.00284	-.00298
#3	.00665	-.00048	.00015	.01516	.00014	.00268	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:03:15 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1907**	**.00446**	F **-.94435**	**.00126**	**-.00093**	**.00057**	**-.00035**
Stddev	14.784	.01590	3.8804	.00169	.00117	.00144	.00004
%RSD	674.83	356.50	410.91	133.86	125.36	252.82	12.212
#1	12.439	.01938	-5.4094	-.00053	-.00217	-.00109	-.00032
#2	8.8899	.00627	.96411	.00148	.00015	.00148	-.00040
#3	-14.757	-.01227	1.6123	.00283	-.00078	.00131	-.00034
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00054**	**-.00026**	**.00002**	**-.00013**	**.00005**
Stddev	.00003	.00109	.00055	.00029	.00005	.00000
%RSD	28.522	201.73	213.19	1177.1	40.653	5.8159
#1	-.00011	-.00056	-.00037	.00035	-.00007	.00005
#2	-.00010	.00161	-.00075	-.00020	-.00014	.00005
#3	-.00006	.00057	.00034	-.00008	-.00017	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32096.**	**26891.**
Stddev	118.	153.
%RSD	.36625	.56886
#1	32132.	27020.
#2	32191.	26931.
#3	31965.	26722.

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:06:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**13.176**	**.00354**	**.00842**	**.04729**	**.00025**	**.11397**
Stddev	.00028	.008	.00062	.00154	.00038	.00002	.00460
%RSD	27.686	.06349	17.382	18.266	.80458	7.8264	4.0356
#1	.00081	13.168	.00420	.00938	.04702	.00023	.11548
#2	.00086	13.185	.00344	.00924	.04713	.00026	.11762
#3	.00131	13.176	.00298	.00665	.04773	.00025	.10880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00580**	**.01320**	**.01344**	**28.175**	**.67703**	**.00326**
Stddev	.00003	.00009	.00066	.00040	.140	.01223	.00121
%RSD	83.070	1.5416	4.9909	2.9556	.49559	1.8068	37.272
#1	-.00001	.00584	.01263	.01378	28.014	.68734	.00278
#2	-.00007	.00587	.01392	.01300	28.252	.68025	.00464
#3	-.00004	.00570	.01304	.01355	28.260	.66352	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53581**	**.47477**	**.00002**	**.01596**	**.00515**	**.33314**	**.00861**
Stddev	.00662	.00079	.00012	.00597	.00026	.00106	.00011
%RSD	1.2358	.16599	486.53	37.431	5.0298	.31729	1.2566
#1	.53712	.47387	.00009	.01273	.00494	.33193	.00849
#2	.54169	.47517	.00010	.01229	.00506	.33383	.00871
#3	.52864	.47528	-.00011	.02285	.00544	.33368	.00861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:06:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.3955**	**2.4319**	F **-473.56**	**-.00090**	**-.00022**	**.13235**	**.00094**
Stddev	1.3863	.0256	11.44	.00041	.00134	.00097	.00007
%RSD	31.539	1.0505	2.4155	44.938	601.21	.73326	7.2402
#1	-4.9833	2.4263	-464.05	-.00085	.00114	.13323	.00088
#2	-5.3911	2.4097	-486.25	-.00133	-.00026	.13131	.00093
#3	-2.8122	2.4598	-470.37	-.00052	-.00155	.13249	.00101
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.08097**	**.00256**	**.05766**	**.02281**	**.00470**
Stddev	.00007	.00032	.00043	.00044	.00024	.00018
%RSD	4.2439	.40047	16.843	.75897	1.0710	3.8614
#1	.00183	.08105	.00259	.05716	.02257	.00490
#2	.00171	.08125	.00211	.05785	.02281	.00456
#3	.00169	.08061	.00297	.05797	.02306	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33105.**	**27016.**
Stddev	95.	154.
%RSD	.28613	.57102
#1	33214.	26882.
#2	33060.	27185.
#3	33041.	26981.

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:10:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**2.7146**	**.00173**	**-.00048**	**.00993**	**.00006**	**.02062**
Stddev	.00073	.0063	.00026	.00063	.00012	.00001	.00508
%RSD	3434.5	.23273	14.916	130.76	1.2512	20.481	24.647
#1	.00036	2.7196	.00200	-.00088	.00997	.00005	.02649
#2	.00043	2.7075	.00149	.00025	.01002	.00007	.01754
#3	-.00086	2.7168	.00169	-.00083	.00979	.00007	.01784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00126**	**.00263**	**.00261**	**5.8625**	**.17915**	**.00096**
Stddev	.00001	.00015	.00051	.00013	.0341	.02541	.00048
%RSD	6.3959	12.221	19.538	5.0955	.58132	14.183	50.026
#1	-.00011	.00126	.00257	.00258	5.8949	.19374	.00042
#2	-.00012	.00141	.00214	.00249	5.8657	.14981	.00134
#3	-.00013	.00110	.00317	.00275	5.8269	.19390	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11354**	**.10082**	**-.00006**	**.00135**	**.00085**	**.07552**	**.00211**
Stddev	.01259	.00080	.00015	.00478	.00014	.00070	.00092
%RSD	11.089	.78969	250.45	354.00	16.243	.92498	43.691
#1	.12126	.10161	-.00023	.00507	.00091	.07556	.00153
#2	.12035	.10084	.00002	-.00404	.00094	.07619	.00162
#3	.09901	.10002	.00003	.00302	.00069	.07479	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:10:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.3021**	**.53005**	F **-101.25**	**-.00007**	**-.00200**	**.02475**	**.00001**
Stddev	11.220	.04326	4.82	.00050	.00188	.00149	.00012
%RSD	153.66	8.1615	4.7578	757.53	93.829	6.0187	2373.6
#1	-9.8800	.57917	-104.18	-.00059	-.00389	.02303	.00005
#2	-17.009	.49762	-95.693	.00039	-.00013	.02560	-.00013
#3	4.9826	.51336	-103.89	.00001	-.00198	.02562	.00009
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01698**	**.00056**	**.01203**	**.00582**	**.00113**
Stddev	.00005	.00037	.00047	.00040	.00005	.00008
%RSD	17.756	2.1676	84.405	3.3539	.94257	6.7765
#1	.00025	.01656	.00045	.01228	.00587	.00105
#2	.00035	.01718	.00107	.01156	.00576	.00120
#3	.00027	.01721	.00015	.01224	.00583	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32803.**	**26987.**
Stddev	45.	165.
%RSD	.13651	.61089
#1	32753.	26888.
#2	32838.	26896.
#3	32818.	27177.

Approved: April 07, 2011

Sample Name: L1104017901 Acquired: 4/6/2011 16:14:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02788**	**320.76**	**.03570**	**.26513**	**.60953**	**.00245**	**5.4089**
Stddev	.00029	2.13	.00130	.00289	.00194	.00004	.0340
%RSD	1.0483	.66451	3.6446	1.0918	.31798	1.5973	.62770
#1	.02822	318.88	.03420	.26681	.60858	.00246	5.3805
#2	.02772	320.34	.03635	.26179	.60826	.00249	5.3997
#3	.02771	323.08	.03654	.26679	.61176	.00241	5.4465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**.11983**	**.29315**	**.25573**	**660.19**	**7.0619**	**.05239**
Stddev	.00009	.00070	.00297	.00830	2.34	.0397	.00112
%RSD	2.7910	.58314	1.0141	3.2464	.35380	.56196	2.1377
#1	.00300	.12058	.29653	.26451	660.21	7.0189	.05363
#2	.00302	.11969	.29201	.25466	657.84	7.0696	.05144
#3	.00315	.11921	.29092	.24801	662.51	7.0971	.05212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8126**	**5.7895**	**.00734**	**.57501**	**.11973**	**6.7260**	**.20801**
Stddev	.0462	.0184	.00012	.00243	.00048	.0253	.00388
%RSD	.52392	.31726	1.6019	.42239	.40380	.37653	1.8653
#1	8.7605	5.7707	.00744	.57294	.11920	6.7523	.21136
#2	8.8292	5.7904	.00737	.57768	.12014	6.7238	.20892
#3	8.8482	5.8074	.00721	.57441	.11985	6.7018	.20376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017901 Acquired: 4/6/2011 16:14:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **45.186**	F **64.828**	F **-12685.**	**.05361**	**.00429**	**3.0359**	**.02460**
Stddev	1.191	.579	30.	.00028	.00319	.0134	.00020
%RSD	2.6361	.89270	.23553	.52638	74.428	.44078	.81810
#1	46.105	65.423	-12718.	.05328	.00231	3.0386	.02437
#2	43.840	64.793	-12677.	.05379	.00258	3.0478	.02469
#3	45.613	64.267	-12660.	.05375	.00796	3.0214	.02475
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03353**	**3.8098**	**.04130**	**1.4534**	**.41852**	**.13759**
Stddev	.00021	.0101	.00030	.0093	.00197	.00123
%RSD	.64071	.26515	.73505	.64207	.47026	.89678
#1	.03340	3.8018	.04122	1.4640	.42065	.13889
#2	.03341	3.8064	.04164	1.4495	.41815	.13644
#3	.03378	3.8211	.04105	1.4466	.41677	.13743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30997.**	**27339.**
Stddev	224.	76.
%RSD	.72165	.27677
#1	30780.	27417.
#2	30985.	27332.
#3	31227.	27266.

Approved: April 07, 2011

Sample Name: L1104017902 Acquired: 4/6/2011 16:17:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03857**	**309.35**	**.03902**	**.25660**	**1.2817**	^ *****	**2.1503**
Stddev	.00011	1.22	.00044	.00475	.0029	-----	.0052
%RSD	.28207	.39417	1.1314	1.8521	.22555	-----	.24240
#1	.03866	308.38	.03879	.25745	1.2850	^ -----	2.1562
#2	.03845	308.96	.03874	.26087	1.2805	^ -----	2.1479
#3	.03860	310.72	.03953	.25148	1.2796	^ -----	2.1467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00616**	**.15725**	**.39588**	**.32870**	**646.86**	**24.350**	**.12584**
Stddev	.00010	.00030	.00277	.00067	4.40	.029	.00065
%RSD	1.5645	.19294	.69895	.20314	.68012	.12077	.51638
#1	.00617	.15725	.39432	.32795	646.57	24.369	.12576
#2	.00625	.15755	.39907	.32894	651.39	24.316	.12524
#3	.00606	.15695	.39424	.32922	642.61	24.365	.12653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.946**	**7.5738**	**.00681**	**3.4492**	**.17133**	**11.897**	**.23116**
Stddev	.079	.0065	.00020	.0167	.00027	.018	.00093
%RSD	.31560	.08638	2.9355	.48308	.15767	.15549	.40317
#1	24.994	7.5777	.00665	3.4358	.17149	11.885	.23188
#2	24.855	7.5663	.00703	3.4441	.17147	11.918	.23149
#3	24.988	7.5775	.00673	3.4679	.17101	11.887	.23010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017902 Acquired: 4/6/2011 16:17:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **75.187**	F **30.683**	F **-5889.6**	**.00803**	**.00025**	**2.9367**	**.02664**
Stddev	6.955	.120	15.2	.00045	.00232	.0094	.00033
%RSD	9.2496	.39242	.25853	5.6253	917.97	.31850	1.2223
#1	68.337	30.569	-5885.0	.00797	.00176	2.9475	.02675
#2	82.241	30.673	-5906.6	.00851	.00141	2.9324	.02689
#3	74.982	30.809	-5877.2	.00761	-.00242	2.9303	.02627
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02796**	**5.4395**	**.04449**	**1.4654**	**.86506**	**.13112**
Stddev	.00014	.0055	.00074	.0039	.00278	.00052
%RSD	.50740	.10129	1.6712	.26764	.32122	.39342
#1	.02807	5.4418	.04396	1.4610	.86491	.13121
#2	.02780	5.4332	.04416	1.4672	.86792	.13159
#3	.02801	5.4434	.04534	1.4682	.86236	.13057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32869.**	**29300.**
Stddev	77.	196.
%RSD	.23347	.66875
#1	32870.	29100.
#2	32791.	29491.
#3	32945.	29309.

Approved: April 07, 2011

Sample Name: L1104017903 Acquired: 4/6/2011 16:20:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04475**	**343.33**	**.03672**	**.26530**	**1.1757**	^ *****	**2.6080**
Stddev	.00041	.71	.00046	.00087	.0021	-----	.0063
%RSD	.92646	.20558	1.2466	.32946	.18006	-----	.24012
#1	.04520	343.23	.03724	.26577	1.1734	^ -----	2.6073
#2	.04466	344.08	.03643	.26429	1.1776	^ -----	2.6022
#3	.04439	342.68	.03647	.26584	1.1759	^ -----	2.6146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.21998**	**.36174**	**.32641**	**678.57**	**19.588**	**.09953**
Stddev	.00006	.00097	.00218	.00412	4.52	.062	.00145
%RSD	2.3269	.44155	.60261	1.2631	.66617	.31671	1.4572
#1	.00281	.22107	.36362	.33032	678.15	19.546	.10116
#2	.00273	.21920	.35935	.32211	674.27	19.659	.09905
#3	.00268	.21968	.36226	.32681	683.28	19.559	.09837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.354**	**9.8958**	**.00550**	**.26273**	**.16083**	**6.6012**	**.29510**
Stddev	.065	.0125	.00022	.00397	.00136	.0122	.00070
%RSD	.31841	.12640	4.0347	1.5127	.84543	.18448	.23854
#1	20.344	9.8817	.00567	.26413	.16206	6.6153	.29556
#2	20.294	9.9002	.00525	.25824	.15937	6.5941	.29429
#3	20.423	9.9055	.00558	.26580	.16107	6.5942	.29546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017903 Acquired: 4/6/2011 16:20:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **73.586**	F **42.387**	F **-8245.4**	**-.00047**	**.00039**	**3.1668**	**.02864**
Stddev	11.271	.428	36.8	.00208	.00285	.0086	.00020
%RSD	15.316	1.0090	.44608	444.07	734.86	.27081	.70478
#1	60.622	42.875	-8285.9	.00186	.00306	3.1720	.02845
#2	81.059	42.207	-8214.0	-.00213	-.00262	3.1569	.02886
#3	79.076	42.079	-8236.2	-.00114	.00073	3.1715	.02862
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03585**	**6.4188**	**.04593**	**1.5148**	**.70734**	**.14559**
Stddev	.00004	.0055	.00185	.0044	.00163	.00070
%RSD	.11406	.08523	4.0332	.29020	.23079	.48089
#1	.03586	6.4130	.04522	1.5192	.70923	.14639
#2	.03588	6.4239	.04804	1.5104	.70640	.14509
#3	.03580	6.4195	.04454	1.5147	.70640	.14528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32585.**	**29261.**
Stddev	141.	150.
%RSD	.43296	.51137
#1	32422.	29100.
#2	32667.	29396.
#3	32665.	29288.

Approved: April 07, 2011

Sample Name: L1104017904 Acquired: 4/6/2011 16:24:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02560**	**305.00**	**.04058**	**.25727**	**1.0557**	**.00447**	**2.4433**
Stddev	.00129	1.38	.00035	.00402	.0016	.00003	.0065
%RSD	5.0346	.45081	.86938	1.5629	.15187	.68734	.26403
#1	.02534	303.45	.04027	.25272	1.0562	.00449	2.4361
#2	.02445	305.47	.04052	.25873	1.0539	.00449	2.4453
#3	.02699	306.08	.04096	.26035	1.0570	.00444	2.4485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**.17960**	**.29657**	**.28178**	**633.25**	**14.259**	**.07652**
Stddev	.00009	.00040	.00081	.00365	5.38	.020	.00151
%RSD	3.2478	.22009	.27375	1.2945	.84908	.14232	1.9676
#1	.00261	.18002	.29575	.28587	627.66	14.240	.07498
#2	.00266	.17923	.29737	.28062	638.38	14.281	.07798
#3	.00278	.17954	.29660	.27886	633.71	14.256	.07660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.147**	**15.022**	**.00643**	**.32759**	**.13079**	**6.6434**	**.21438**
Stddev	.018	.024	.00027	.00612	.00102	.0124	.00109
%RSD	.14019	.16232	4.2508	1.8683	.78208	.18594	.50818
#1	13.140	15.001	.00643	.32368	.13146	6.6516	.21494
#2	13.134	15.016	.00615	.33465	.12962	6.6493	.21313
#3	13.168	15.049	.00669	.32445	.13130	6.6292	.21508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017904 Acquired: 4/6/2011 16:24:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **47.422**	F **46.851**	F **-9504.6**	**.00323**	**.00233**	**2.9600**	**.02325**
Stddev	6.569	.144	7.0	.00368	.00322	.0161	.00046
%RSD	13.851	.30843	.07381	113.97	137.75	.54506	1.9912
#1	47.300	46.916	-9510.0	.00562	.00603	2.9483	.02378
#2	54.050	46.952	-9507.1	-.00101	.00021	2.9784	.02307
#3	40.914	46.686	-9496.6	.00509	.00076	2.9533	.02290
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03517**	**3.1291**	**.03980**	**1.3516**	**.52556**	**.15302**
Stddev	.00013	.0064	.00016	.0038	.00109	.00084
%RSD	.37512	.20516	.40060	.27914	.20737	.54956
#1	.03505	3.1226	.03984	1.3510	.52659	.15211
#2	.03531	3.1292	.03962	1.3556	.52442	.15321
#3	.03514	3.1354	.03993	1.3481	.52568	.15376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32236.**	**28273.**
Stddev	22.	10.
%RSD	.06765	.03678
#1	32216.	28263.
#2	32259.	28271.
#3	32232.	28284.

Approved: April 07, 2011

Sample Name: L1104007812 Acquired: 4/6/2011 16:27:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**145.12**	**.22315**	**.18847**	**3.2124**	**.02110**	**33.783**
Stddev	.00019	.28	.00002	.00364	.0137	.00015	.095
%RSD	1.7339	.19097	.00790	1.9310	.42625	.70064	.28250
#1	.01089	145.44	.22317	.18701	3.2254	.02126	33.891
#2	.01127	144.98	.22315	.19261	3.1981	.02106	33.710
#3	.01105	144.94	.22314	.18579	3.2136	.02097	33.749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.24146**	**.40298**	**.25955**	**465.20**	**9.1451**	**.07789**
Stddev	.00010	.00028	.00236	.00152	6.98	.0128	.00038
%RSD	.95619	.11391	.58618	.58743	1.5009	.13987	.48812
#1	.00998	.24124	.40569	.26129	464.48	9.1584	.07790
#2	.01001	.24177	.40137	.25885	472.52	9.1440	.07751
#3	.00984	.24136	.40187	.25849	458.61	9.1329	.07827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.327**	**25.736**	**.01662**	**.44902**	**.30513**	**6.2018**	**.70307**
Stddev	.003	.218	.00020	.00935	.00050	.0020	.00119
%RSD	.01755	.84862	1.1818	2.0830	.16475	.03215	.16973
#1	15.328	25.490	.01654	.44965	.30538	6.1999	.70440
#2	15.329	25.909	.01647	.45804	.30546	6.2016	.70272
#3	15.324	25.808	.01684	.43937	.30455	6.2039	.70209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007812 Acquired: 4/6/2011 16:27:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **65.612**	F **154.59**	F **-25773.**	**.01666**	**.01802**	**2.1533**	**.01217**
Stddev	3.754	.37	14.	.00103	.00095	.0065	.00001
%RSD	5.7211	.24111	.05420	6.2023	5.2815	.29973	.05812
#1	69.637	154.80	-25776.	.01716	.01808	2.1567	.01217
#2	62.206	154.82	-25786.	.01547	.01893	2.1574	.01217
#3	64.995	154.16	-25758.	.01734	.01703	2.1459	.01218
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22926**	**.29047**	**.02459**	**.71597**	**.70977**	**.10513**
Stddev	.00044	.00052	.00102	.00267	.00082	.00028
%RSD	.19034	.17986	4.1568	.37286	.11542	.26231
#1	.22972	.28994	.02387	.71800	.71039	.10525
#2	.22923	.29099	.02414	.71696	.70884	.10533
#3	.22884	.29046	.02576	.71294	.71008	.10482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33512.**	**29936.**
Stddev	75.	130.
%RSD	.22277	.43390
#1	33427.	29826.
#2	33543.	29902.
#3	33566.	30079.

Approved: April 07, 2011

Sample Name: L1104007813 Acquired: 4/6/2011 16:31:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01328**	**193.63**	**.25313**	**.22974**	**4.1946**	**.02472**	**47.212**
Stddev	.00027	.26	.00150	.00121	.0066	.00013	.057
%RSD	2.0300	.13235	.59429	.52785	.15624	.50604	.12006
#1	.01334	193.44	.25155	.23010	4.2015	.02467	47.174
#2	.01352	193.92	.25328	.22839	4.1937	.02486	47.277
#3	.01299	193.53	.25455	.23073	4.1885	.02462	47.186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01133**	**.29986**	**.48033**	**.30862**	**548.83**	**14.470**	**.11672**
Stddev	.00007	.00073	.00075	.00077	1.58	.017	.00161
%RSD	.59797	.24184	.15615	.24848	.28870	.11912	1.3787
#1	.01128	.29921	.47949	.30843	547.02	14.452	.11685
#2	.01141	.30064	.48093	.30946	549.97	14.474	.11505
#3	.01129	.29972	.48058	.30796	549.50	14.485	.11826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.553**	**37.594**	**.01922**	**.86077**	**.42675**	**8.9260**	**.77226**
Stddev	.103	.267	.00020	.00240	.00037	.0081	.00135
%RSD	.55496	.71018	1.0213	.27936	.08709	.09120	.17452
#1	18.453	37.297	.01925	.86215	.42677	8.9226	.77270
#2	18.547	37.814	.01902	.86216	.42711	8.9353	.77075
#3	18.659	37.671	.01941	.85799	.42637	8.9202	.77334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007813 Acquired: 4/6/2011 16:31:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **79.860**	F **236.65**	F **-41229.**	**.01826**	**.02497**	**2.1832**	**.01370**
Stddev	2.283	.63	60.	.00038	.00167	.0043	.00019
%RSD	2.8582	.26473	.14632	2.0754	6.7019	.19792	1.3834
#1	78.627	236.69	-41294.	.01869	.02671	2.1862	.01392
#2	78.459	237.27	-41217.	.01800	.02337	2.1782	.01359
#3	82.494	236.01	-41175.	.01808	.02485	2.1852	.01360
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27161**	**.23034**	**.02671**	**.76003**	**.66959**	**.11341**
Stddev	.00048	.00172	.00057	.00411	.00065	.00024
%RSD	.17844	.74528	2.1463	.54016	.09661	.20795
#1	.27146	.23223	.02675	.75784	.66902	.11357
#2	.27215	.22887	.02727	.76476	.66947	.11352
#3	.27121	.22992	.02612	.75748	.67029	.11314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33851.**	**30859.**
Stddev	76.	165.
%RSD	.22360	.53603
#1	33904.	31043.
#2	33764.	30810.
#3	33885.	30723.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 16:35:08 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44253	9.5465	.43311	.53215	.97103	.05267	9.5497
Stddev	.00360	.0331	.00076	.00148	.00280	.00017	.0209
%RSD	.81364	.34687	.17572	.27857	.28813	.32347	.21921
#1	.44309	9.5615	.43225	.53277	.97401	.05257	9.5574
#2	.44582	9.5695	.43336	.53322	.97063	.05286	9.5657
#3	.43868	9.5085	.43371	.53046	.96846	.05257	9.5260
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05464	F .22076	.52690	F .55144	3.9441	48.832	.98717
Stddev	.00004	.00047	.00141	.00024	.0147	.096	.00104
%RSD	.06743	.21159	.26750	.04331	.37261	.19610	.10521
#1	.05468	.22111	.52562	.55168	3.9606	48.925	.98726
#2	.05462	.22093	.52841	.55146	3.9388	48.838	.98816
#3	.05462	.22023	.52666	.55120	3.9327	48.734	.98609
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.20000		.50000			
Range		10.000%		10.000%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.056	.51014	.99045	48.214	.53249	F .00039	.54351
Stddev	.030	.00055	.00051	.036	.00051	.00178	.00267
%RSD	.29679	.10695	.05193	.07539	.09617	462.30	.49047
#1	10.067	.50954	.99090	48.189	.53279	.00230	.54231
#2	10.079	.51029	.98989	48.256	.53278	.00007	.54656
#3	10.023	.51060	.99055	48.198	.53190	-.00122	.54166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 16:35:08 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.969**	F **11.056**	F **6.3761**	**1.3174**	**.43473**	F **.01902**	**1.0814**
Stddev	2.362	.049	1.0548	.0036	.00376	.00029	.0005
%RSD	13.918	.44417	16.543	.27190	.86574	1.5404	.04418
#1	14.535	11.055	5.4008	1.3133	.43408	.01906	1.0819
#2	19.251	11.106	6.2321	1.3190	.43878	.01928	1.0814
#3	17.122	11.008	7.4956	1.3200	.43133	.01870	1.0809
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	10.000%	10.000%	-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97704**	**1.0087**	F **.55335**	**1.0631**	**1.0451**	F **.00075**
Stddev	.00042	.0008	.00058	.0039	.0011	.00010
%RSD	.04272	.07409	.10392	.36818	.10367	12.792
#1	.97737	1.0084	.55401	1.0645	1.0451	.00073
#2	.97717	1.0082	.55314	1.0661	1.0462	.00086
#3	.97657	1.0096	.55292	1.0587	1.0441	.00067
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31984.**	**27450.**
Stddev	21.	162.
%RSD	.06489	.58853
#1	31994.	27510.
#2	31998.	27267.
#3	31960.	27573.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:38:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.02105**	**.00017**	**-.00216**	**-.00015**	**.00003**	**-.01254**
Stddev	.00010	.01600	.00056	.00017	.00010	.00001	.01028
%RSD	47.028	76.037	334.00	7.9207	63.961	45.335	81.951
#1	.00016	-.02137	-.00048	-.00236	-.00025	.00002	-.01869
#2	.00032	-.03689	.00052	-.00209	-.00006	.00004	-.00068
#3	.00014	-.00489	.00047	-.00204	-.00015	.00003	-.01826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00006**	**-.00044**	**-.00008**	**.00149**	**.12139**	**-.00004**
Stddev	.00002	.00015	.00018	.00030	.00336	.00854	.00040
%RSD	317.41	238.81	40.773	383.79	225.11	7.0314	1131.7
#1	.00003	-.00022	-.00042	-.00023	.00293	.12793	.00031
#2	-.00002	.00006	-.00062	-.00027	.00389	.12451	.00007
#3	.00001	-.00003	-.00026	.00027	-.00234	.11174	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00415**	**-.00018**	**.00005**	**.01562**	**-.00011**	**.00014**	**-.00064**
Stddev	.00938	.00037	.00008	.00400	.00028	.00182	.00217
%RSD	225.69	201.06	164.44	25.583	248.95	1263.8	340.13
#1	-.00456	-.00029	.00012	.01704	-.00010	.00205	-.00174
#2	.01408	-.00049	.00005	.01111	-.00041	-.00003	-.00205
#3	.00295	.00023	-.00003	.01872	.00016	-.00158	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:38:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.7345**	F **.03597**	F **-5.5614**	**.00069**	**.00051**	**.00047**	**-.00006**
Stddev	16.187	.03222	2.7893	.00128	.00162	.00086	.00014
%RSD	185.33	89.591	50.155	185.59	315.96	181.41	236.42
#1	8.2425	.05902	-4.5815	.00148	-.00021	-.00050	-.00018
#2	-7.2012	.04973	-3.3942	-.00079	-.00061	.00080	.00010
#3	25.162	-.00085	-8.7084	.00137	.00236	.00113	-.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00034**	**-.00058**	**.00001**	**-.00010**	**-.00014**
Stddev	.00005	.00027	.00047	.00016	.00005	.00002
%RSD	46.526	79.541	81.211	2158.8	50.195	16.840
#1	-.00007	-.00054	-.00025	.00007	-.00004	-.00016
#2	-.00008	-.00003	-.00037	.00013	-.00011	-.00011
#3	-.00015	-.00046	-.00112	-.00017	-.00014	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32626.**	**26819.**
Stddev	131.	52.
%RSD	.40296	.19459
#1	32517.	26875.
#2	32588.	26772.
#3	32772.	26811.

Approved: April 07, 2011

Sample Name: L1104007814 Acquired: 4/6/2011 16:42:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01357**	**220.85**	**.26302**	**.23959**	**4.4215**	**.02634**	**47.640**
Stddev	.00029	.20	.00155	.00682	.0209	.00014	.079
%RSD	2.1090	.08870	.58938	2.8483	.47324	.54959	.16592
#1	.01351	221.08	.26124	.23521	4.4456	.02630	47.726
#2	.01388	220.73	.26376	.24745	4.4086	.02650	47.622
#3	.01332	220.75	.26406	.23610	4.4102	.02621	47.571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01129**	**.30888**	**.53073**	**.32448**	**576.32**	**13.397**	**.12978**
Stddev	.00012	.00202	.00347	.00211	11.24	.014	.00118
%RSD	1.0323	.65375	.65424	.65039	1.9510	.10130	.90591
#1	.01116	.30878	.53110	.32480	568.19	13.385	.13114
#2	.01139	.31095	.53401	.32641	589.16	13.395	.12922
#3	.01131	.30691	.52710	.32222	571.62	13.412	.12900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.438**	**35.596**	**.02150**	**1.0378**	**.45767**	**8.0133**	**.74450**
Stddev	.100	.234	.00007	.0046	.00197	.0512	.00679
%RSD	.49133	.65625	.32984	.44240	.42946	.63884	.91174
#1	20.336	35.540	.02142	1.0359	.45769	8.0417	.74584
#2	20.441	35.853	.02154	1.0431	.45962	8.0440	.75052
#3	20.537	35.396	.02155	1.0345	.45569	7.9542	.73715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007814 Acquired: 4/6/2011 16:42:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **94.891**	F **210.37**	F **-35362.**	**.01967**	**.02162**	**2.0517**	**.01526**
Stddev	11.185	1.51	182.	.00194	.00173	.0125	.00020
%RSD	11.787	.71597	.51382	9.8828	8.0159	.61107	1.3154
#1	103.00	210.24	-35463.	.01742	.01995	2.0481	.01507
#2	99.546	211.93	-35470.	.02083	.02151	2.0657	.01523
#3	82.130	208.93	-35152.	.02075	.02341	2.0414	.01547
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27831**	**.21504**	**.02677**	**.80310**	**.67015**	**.13071**
Stddev	.00063	.00068	.00261	.00360	.00337	.00088
%RSD	.22746	.31589	9.7497	.44773	.50306	.67079
#1	.27903	.21429	.02896	.80174	.67150	.13079
#2	.27806	.21561	.02388	.80718	.67263	.13154
#3	.27784	.21523	.02748	.80039	.66631	.12979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34046.**	**31110.**
Stddev	157.	169.
%RSD	.46138	.54323
#1	34010.	31287.
#2	33909.	31093.
#3	34217.	30951.

Approved: April 07, 2011

Sample Name: L1104007815 Acquired: 4/6/2011 16:45:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01225**	**191.64**	**.24142**	**.22963**	**4.0088**	**.02367**	**66.053**
Stddev	.00059	.83	.00102	.00288	.0175	.00010	.225
%RSD	4.7878	.43366	.42442	1.2541	.43573	.41997	.34020
#1	.01173	190.90	.24182	.22960	3.9995	.02379	65.869
#2	.01289	192.54	.24026	.23253	4.0290	.02362	66.303
#3	.01214	191.48	.24219	.22677	3.9980	.02361	65.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.26165**	**.40901**	**.40036**	**527.84**	**14.290**	**.10412**
Stddev	.00007	.00091	.00180	.00260	6.72	.068	.00091
%RSD	.69983	.34881	.44126	.64922	1.2739	.47844	.86946
#1	.01068	.26158	.41099	.40160	530.94	14.227	.10307
#2	.01080	.26077	.40747	.39737	532.45	14.363	.10458
#3	.01066	.26260	.40856	.40211	520.12	14.281	.10469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.906**	**32.700**	**.02171**	**1.7883**	**.38425**	**9.0504**	**.67940**
Stddev	.055	.335	.00008	.0083	.00070	.0325	.00039
%RSD	.30971	1.0230	.36094	.46243	.18129	.35856	.05706
#1	17.863	33.084	.02164	1.7840	.38464	9.0730	.67964
#2	17.969	32.537	.02179	1.7979	.38344	9.0132	.67896
#3	17.887	32.478	.02168	1.7831	.38466	9.0649	.67962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007815 Acquired: 4/6/2011 16:45:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.307**	F **291.81**	F **-49929.**	**.01598**	**.02224**	**2.3467**	**.01416**
Stddev	6.368	1.85	76.	.00295	.00089	.0057	.00016
%RSD	7.6435	.63458	.15182	18.439	3.9894	.24224	1.1070
#1	79.692	292.41	-49996.	.01295	.02198	2.3401	.01401
#2	90.659	289.73	-49847.	.01614	.02151	2.3497	.01433
#3	79.570	293.28	-49943.	.01884	.02323	2.3502	.01415
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32668**	**.21937**	**.02301**	**.73485**	**.61829**	**.11267**
Stddev	.00072	.00128	.00047	.00153	.00100	.00010
%RSD	.22178	.58514	2.0500	.20753	.16140	.08888
#1	.32589	.21867	.02295	.73550	.61944	.11267
#2	.32732	.22085	.02257	.73311	.61767	.11257
#3	.32684	.21858	.02351	.73595	.61776	.11277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33873.**	**30584.**
Stddev	65.	169.
%RSD	.19140	.55288
#1	33798.	30442.
#2	33912.	30538.
#3	33908.	30771.

Approved: April 07, 2011

Sample Name: L1104007816 Acquired: 4/6/2011 16:49:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01538**	**185.76**	**.25458**	**.23495**	**4.2313**	**.02658**	**49.179**
Stddev	.00033	1.49	.00055	.00433	.0124	.00009	.251
%RSD	2.1328	.80284	.21616	1.8445	.29383	.33323	.51056
#1	.01500	184.29	.25411	.23180	4.2169	.02663	48.925
#2	.01560	187.27	.25519	.23315	4.2394	.02663	49.427
#3	.01554	185.72	.25446	.23989	4.2374	.02648	49.183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.32719**	**.45298**	**.36955**	**567.63**	**8.8226**	**.11785**
Stddev	.00004	.00049	.00225	.00147	8.31	.0559	.00114
%RSD	.31272	.14956	.49597	.39652	1.4634	.63385	.96743
#1	.01141	.32721	.45431	.37082	561.14	8.7641	.11705
#2	.01144	.32766	.45425	.36988	564.78	8.8756	.11735
#3	.01137	.32669	.45039	.36795	576.99	8.8280	.11916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.988**	**42.596**	**.02212**	**3.0974**	**.55761**	**5.9269**	**.72482**
Stddev	.052	.127	.00003	.0230	.00130	.0251	.00316
%RSD	.32545	.29795	.13004	.74337	.23333	.42385	.43536
#1	15.928	42.517	.02212	3.0903	.55855	5.9407	.72160
#2	16.018	42.529	.02208	3.1231	.55815	5.9420	.72495
#3	16.017	42.743	.02214	3.0787	.55612	5.8979	.72790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007816 Acquired: 4/6/2011 16:49:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.592**	F **197.73**	F **-31989.**	**.01672**	**.02455**	**2.2762**	**.01410**
Stddev	2.704	.55	27.	.00230	.00021	.0022	.00040
%RSD	3.2350	.27826	.08585	13.736	.86000	.09904	2.8116
#1	81.855	197.88	-31983.	.01453	.02474	2.2753	.01424
#2	86.708	198.19	-32019.	.01911	.02457	2.2788	.01441
#3	82.213	197.12	-31965.	.01652	.02432	2.2745	.01366
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25541**	**.19772**	**.03000**	**.77107**	**.53599**	**.10959**
Stddev	.00104	.00529	.00061	.00184	.00031	.00023
%RSD	.40675	2.6764	2.0369	.23917	.05783	.20845
#1	.25451	.20376	.03065	.77008	.53630	.10940
#2	.25655	.19553	.02991	.77320	.53568	.10984
#3	.25518	.19387	.02943	.76993	.53598	.10954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34088.**	**31047.**
Stddev	38.	87.
%RSD	.11178	.27972
#1	34076.	31064.
#2	34057.	30953.
#3	34130.	31124.

Approved: April 07, 2011

Sample Name: L1104007817 Acquired: 4/6/2011 16:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01073**	**148.65**	**.21195**	**.19640**	**3.6320**	**.02082**	**555.90**
Stddev	.00022	.49	.00179	.00131	.0138	.00002	9.97
%RSD	2.0402	.32968	.84571	.66541	.38053	.10897	1.7935
#1	.01064	148.43	.20995	.19494	3.6276	.02080	549.26
#2	.01098	149.22	.21341	.19744	3.6475	.02083	567.36
#3	.01057	148.31	.21249	.19683	3.6209	.02084	551.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01217**	**.15935**	**.32618**	**.35128**	**429.18**	**15.828**	**.12487**
Stddev	.00008	.00028	.00027	.00056	2.89	.054	.00073
%RSD	.68612	.17614	.08300	.15825	.67378	.33907	.58224
#1	.01226	.15931	.32617	.35154	426.02	15.805	.12544
#2	.01213	.15964	.32592	.35165	431.70	15.889	.12406
#3	.01210	.15909	.32646	.35064	429.82	15.790	.12513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.154**	**21.008**	**.01618**	**1.8880**	**.39155**	**12.132**	**.61499**
Stddev	.158	.233	.00022	.0097	.00094	.016	.00147
%RSD	.58260	1.1075	1.3468	.51117	.23907	.13498	.23916
#1	27.035	20.848	.01616	1.8805	.39064	12.148	.61350
#2	27.333	20.901	.01640	1.8989	.39150	12.134	.61644
#3	27.093	21.275	.01597	1.8845	.39251	12.115	.61501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007817 Acquired: 4/6/2011 16:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.664**	F **900.76**	F **-60923.**	**.01990**	**.01861**	**3.1591**	**.01390**
Stddev	8.512	1.15	58.	.00189	.00157	.0142	.00027
%RSD	9.7093	.12779	.09578	9.5156	8.4205	.44886	1.9400
#1	80.493	901.34	-60875.	.02088	.01964	3.1489	.01418
#2	85.429	901.51	-60988.	.01772	.01939	3.1753	.01364
#3	97.070	899.44	-60905.	.02111	.01681	3.1531	.01388
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7843**	**.19950**	**.01784**	**.54598**	**.90556**	**.09483**
Stddev	.0042	.00373	.00082	.00093	.00088	.00023
%RSD	.23599	1.8709	4.6236	.16989	.09740	.23885
#1	1.7845	.19725	.01728	.54553	.90461	.09457
#2	1.7884	.20380	.01879	.54704	.90635	.09496
#3	1.7800	.19743	.01745	.54536	.90571	.09496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32463.**	**30600.**
Stddev	44.	203.
%RSD	.13469	.66256
#1	32457.	30647.
#2	32423.	30378.
#3	32510.	30775.

Approved: April 07, 2011

Sample Name: L1104007818 Acquired: 4/6/2011 16:56:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01376**	**191.91**	**.24083**	**.23101**	**4.4886**	**.02476**	**184.54**
Stddev	.00026	1.05	.00081	.00581	.0195	.00003	.88
%RSD	1.9045	.54612	.33833	2.5157	.43531	.12809	.47578
#1	.01346	190.88	.24027	.22430	4.5058	.02476	183.72
#2	.01395	191.88	.24177	.23431	4.4926	.02479	184.44
#3	.01387	192.98	.24046	.23441	4.4674	.02473	185.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01395**	**.20579**	**.42783**	**.61192**	**531.91**	**15.041**	**.12827**
Stddev	.00002	.00014	.00085	.00024	8.28	.079	.00060
%RSD	.13503	.06889	.19778	.03925	1.5574	.52617	.47090
#1	.01394	.20587	.42796	.61176	522.35	14.958	.12839
#2	.01397	.20563	.42860	.61180	536.79	15.048	.12762
#3	.01395	.20588	.42692	.61220	536.61	15.116	.12881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.110**	**31.235**	**.01630**	**.95497**	**.50956**	**9.4324**	**.78522**
Stddev	.176	.221	.00008	.00228	.00102	.0107	.00139
%RSD	.72806	.70705	.48009	.23832	.19934	.11348	.17657
#1	23.912	31.237	.01638	.95254	.51007	9.4444	.78629
#2	24.170	31.014	.01627	.95531	.50839	9.4289	.78571
#3	24.247	31.455	.01624	.95705	.51022	9.4239	.78365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007818 Acquired: 4/6/2011 16:56:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.311**	F **379.13**	F **-41997.**	**.02293**	**.02245**	**2.3586**	**.01513**
Stddev	10.445	.58	42.	.00142	.00183	.0108	.00036
%RSD	11.963	.15285	.10109	6.2063	8.1346	.45720	2.4068
#1	79.293	379.27	-42044.	.02456	.02393	2.3505	.01479
#2	83.517	378.49	-41960.	.02194	.02302	2.3708	.01552
#3	99.123	379.62	-41988.	.02228	.02041	2.3544	.01509
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69050**	**.16229**	**.02242**	**.65843**	**.90952**	**.12011**
Stddev	.00170	.00098	.00054	.00229	.00027	.00059
%RSD	.24647	.60177	2.3963	.34824	.02930	.49480
#1	.68884	.16121	.02289	.66042	.90924	.11952
#2	.69042	.16254	.02183	.65895	.90978	.12070
#3	.69224	.16312	.02254	.65592	.90953	.12011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34123.**	**30893.**
Stddev	37.	72.
%RSD	.10729	.23275
#1	34082.	30953.
#2	34153.	30913.
#3	34134.	30813.

Approved: April 07, 2011

Sample Name: L1104007819 Acquired: 4/6/2011 17:00:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01507**	**169.00**	**.23099**	**.21700**	**3.8568**	**.02160**	**48.821**
Stddev	.00050	.32	.00169	.00110	.0031	.00003	.083
%RSD	3.3392	.19218	.73199	.50823	.08147	.12862	.17003
#1	.01468	168.66	.23001	.21644	3.8536	.02161	48.739
#2	.01564	169.04	.23001	.21628	3.8599	.02157	48.818
#3	.01489	169.31	.23294	.21827	3.8571	.02162	48.905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01184**	**.39256**	**.40478**	**.29125**	**513.94**	**15.630**	**.14236**
Stddev	.00004	.00164	.00263	.00255	3.12	.040	.00068
%RSD	.34102	.41902	.65028	.87624	.60708	.25549	.47787
#1	.01179	.39189	.40310	.29009	516.62	15.586	.14301
#2	.01187	.39136	.40342	.28949	510.51	15.638	.14166
#3	.01186	.39444	.40781	.29418	514.67	15.665	.14242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.200**	**43.407**	**.01814**	**.44366**	**.53692**	**7.9379**	**.82260**
Stddev	.044	.493	.00012	.00599	.00305	.0131	.00095
%RSD	.20686	1.1358	.66304	1.3508	.56762	.16451	.11506
#1	21.188	43.973	.01813	.44599	.53699	7.9340	.82213
#2	21.163	43.070	.01826	.44815	.53384	7.9273	.82369
#3	21.248	43.179	.01802	.43686	.53993	7.9525	.82199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007819 Acquired: 4/6/2011 17:00:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **84.720**	F **225.14**	F **-38318.**	**.01464**	**.02718**	**2.4554**	**.01327**
Stddev	7.896	1.31	77.	.00110	.00239	.0068	.00042
%RSD	9.3200	.57971	.20109	7.4986	8.7772	.27779	3.1685
#1	85.646	224.58	-38325.	.01510	.02617	2.4561	.01309
#2	76.403	224.21	-38237.	.01544	.02547	2.4483	.01297
#3	92.113	226.63	-38391.	.01339	.02990	2.4619	.01375
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32222**	**.21201**	**.02543**	**.62700**	**.70959**	**.09948**
Stddev	.00066	.00071	.00121	.00254	.00105	.00055
%RSD	.20366	.33717	4.7412	.40473	.14816	.55587
#1	.32156	.21164	.02568	.62710	.70878	.09907
#2	.32222	.21283	.02412	.62442	.70922	.09925
#3	.32287	.21155	.02649	.62949	.71078	.10011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33407.**	**30411.**
Stddev	101.	195.
%RSD	.30285	.64160
#1	33481.	30240.
#2	33448.	30368.
#3	33292.	30624.

Approved: April 07, 2011

Sample Name: L1104007820 Acquired: 4/6/2011 17:04:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01368**	**183.92**	**.23053**	**.21510**	**4.0210**	**.02276**	**36.747**
Stddev	.00037	.82	.00106	.00418	.0029	.00009	.091
%RSD	2.7252	.44616	.45837	1.9413	.07103	.40003	.24788
#1	.01408	184.84	.23013	.21221	4.0191	.02271	36.852
#2	.01334	183.26	.23173	.21989	4.0243	.02287	36.690
#3	.01362	183.65	.22973	.21319	4.0196	.02271	36.700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.53019**	**.40679**	**.29113**	**535.51**	**7.7067**	**.14528**
Stddev	.00003	.00099	.00234	.00136	4.87	.0112	.00013
%RSD	.34864	.18581	.57481	.46563	.90890	.14529	.09163
#1	.00988	.53037	.40632	.29266	533.61	7.7089	.14543
#2	.00987	.53107	.40933	.29061	541.04	7.6945	.14521
#3	.00982	.52912	.40472	.29011	531.88	7.7166	.14519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.691**	**42.620**	**.01666**	**.67995**	**.55810**	**4.8583**	**.85809**
Stddev	.059	.652	.00014	.00614	.00167	.0087	.00356
%RSD	.26056	1.5297	.85737	.90247	.30001	.17846	.41432
#1	22.659	42.008	.01651	.68246	.55858	4.8598	.85941
#2	22.759	42.547	.01679	.68444	.55948	4.8661	.86080
#3	22.654	43.306	.01668	.67296	.55624	4.8490	.85406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007820 Acquired: 4/6/2011 17:04:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.774**	F **130.42**	F **-19824.**	**.01226**	**.02305**	**1.7978**	**.01180**
Stddev	9.306	.12	25.	.00252	.00216	.0023	.00043
%RSD	11.813	.09380	.12820	20.585	9.3527	.12890	3.6623
#1	89.512	130.31	-19819.	.01073	.02068	1.7989	.01224
#2	73.737	130.55	-19851.	.01087	.02489	1.7992	.01179
#3	73.071	130.40	-19801.	.01517	.02358	1.7951	.01137
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27566**	**.12639**	**.02473**	**.57996**	**.47636**	**.09053**
Stddev	.00080	.00094	.00167	.00049	.00081	.00093
%RSD	.29184	.74219	6.7343	.08365	.16930	1.0275
#1	.27659	.12550	.02607	.58049	.47647	.09000
#2	.27522	.12737	.02287	.57983	.47711	.09161
#3	.27518	.12629	.02526	.57955	.47551	.08999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33445.**	**30387.**
Stddev	62.	167.
%RSD	.18500	.54984
#1	33409.	30194.
#2	33410.	30476.
#3	33516.	30491.

Approved: April 07, 2011

Sample Name: L1104007821 Acquired: 4/6/2011 17:07:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01162**	**196.32**	**.23660**	**.23175**	**3.8219**	**.02299**	**64.452**
Stddev	.00033	1.26	.00045	.01089	.0123	.00011	.432
%RSD	2.8009	.64304	.18906	4.6980	.32204	.48345	.67025
#1	.01126	196.18	.23673	.22654	3.8202	.02287	64.350
#2	.01174	195.13	.23697	.22444	3.8105	.02301	64.079
#3	.01187	197.64	.23610	.24426	3.8349	.02309	64.925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.31077**	**.46725**	**.33822**	**548.31**	**14.058**	**.15250**
Stddev	.00006	.00115	.00287	.00170	15.25	.084	.00108
%RSD	.56790	.36872	.61379	.50313	2.7812	.59402	.71121
#1	.01013	.30948	.46396	.33708	540.56	14.033	.15231
#2	.01020	.31169	.46919	.34017	538.50	13.989	.15153
#3	.01024	.31113	.46860	.33740	565.88	14.151	.15367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.344**	**31.423**	**.01578**	**1.3165**	**.49654**	**9.1264**	**.71554**
Stddev	.165	.725	.00037	.0081	.00051	.0190	.00171
%RSD	.70674	2.3086	2.3591	.61900	.10261	.20777	.23867
#1	23.221	31.076	.01566	1.3079	.49621	9.1297	.71603
#2	23.278	30.936	.01548	1.3241	.49712	9.1435	.71695
#3	23.531	32.257	.01619	1.3174	.49627	9.1060	.71364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007821 Acquired: 4/6/2011 17:07:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.939**	F **270.74**	F **-45079.**	**.01600**	**.02264**	**2.2272**	**.01332**
Stddev	8.938	1.04	33.	.00114	.00211	.0048	.00010
%RSD	11.323	.38537	.07234	7.1333	9.3363	.21446	.76208
#1	75.851	269.70	-45042.	.01585	.02359	2.2226	.01324
#2	89.012	271.79	-45105.	.01720	.02411	2.2321	.01343
#3	71.955	270.75	-45089.	.01494	.02021	2.2270	.01329
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31619**	**.15087**	**.02249**	**.61055**	**.61253**	**.10089**
Stddev	.00170	.00058	.00044	.00121	.00046	.00063
%RSD	.53903	.38323	1.9578	.19775	.07552	.62590
#1	.31582	.15028	.02273	.61193	.61285	.10059
#2	.31471	.15092	.02276	.61003	.61274	.10047
#3	.31805	.15143	.02198	.60968	.61200	.10162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33535.**	**30623.**
Stddev	6.	364.
%RSD	.01718	1.1895
#1	33531.	30722.
#2	33531.	30929.
#3	33541.	30220.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:11:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.44725**	**9.4805**	**.43391**	**.53555**	**.96717**	**.05288**	**9.5235**
Stddev	.00332	.0774	.00195	.00481	.00368	.00068	.0474
%RSD	.74162	.81688	.45001	.89839	.38076	1.2923	.49745
#1	.44483	9.4039	.43229	.53110	.96669	.05226	9.4872
#2	.44590	9.4790	.43337	.53489	.96376	.05277	9.5061
#3	.45103	9.5587	.43608	.54066	.97107	.05361	9.5771
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05476**	F **.22123**	**.52798**	F **.55252**	**3.9760**	**48.647**	**.98742**
Stddev	.00019	.00109	.00618	.00331	.0184	.197	.00247
%RSD	.35472	.49094	1.1710	.59996	.46274	.40550	.24980
#1	.05461	.22019	.52197	.54925	3.9948	48.487	.98772
#2	.05468	.22116	.52765	.55245	3.9580	48.587	.98482
#3	.05498	.22235	.53432	.55588	3.9753	48.868	.98973
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.20000		.50000			
Range		10.000%		10.000%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.047**	**.51325**	**.99258**	**48.111**	**.53346**	F **.00065**	**.54469**
Stddev	.022	.00017	.00138	.368	.00099	.00220	.00393
%RSD	.22201	.03250	.13885	.76407	.18648	337.45	.72168
#1	10.029	.51325	.99390	47.694	.53309	-.00185	.54092
#2	10.041	.51341	.99270	48.250	.53270	.00151	.54440
#3	10.072	.51308	.99115	48.389	.53458	.00228	.54876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:11:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **20.746**	F **11.146**	F **6.1993**	F **1.3268**	**.43882**	F **.01904**	**1.0848**
Stddev	8.106	.083	10.264	.0091	.00351	.00150	.0036
%RSD	39.072	.74089	165.56	.68512	.80100	7.8978	.32830
#1	15.995	11.062	18.012	1.3186	.43674	.01732	1.0822
#2	16.137	11.149	1.1173	1.3251	.43685	.01970	1.0833
#3	30.105	11.228	-.53192	1.3366	.44288	.02011	1.0888
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000	1.2000		5.0000	
Range	10.000%	10.000%	-10.000%	10.000%		-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97451**	**1.0075**	F **.55546**	**1.0705**	**1.0448**	F **.00062**
Stddev	.00626	.0023	.00318	.0083	.0048	.00008
%RSD	.64201	.22810	.57244	.77883	.45702	13.346
#1	.96784	1.0061	.55251	1.0621	1.0403	.00055
#2	.97545	1.0063	.55504	1.0706	1.0442	.00072
#3	.98025	1.0102	.55883	1.0788	1.0498	.00060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32300.**	**27717.**
Stddev	189.	88.
%RSD	.58542	.31581
#1	32478.	27816.
#2	32320.	27650.
#3	32101.	27685.

Approved: April 07, 2011

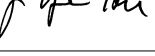
Sample Name: CCB Acquired: 4/6/2011 17:14:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.02472**	**.00004**	**-.00291**	**-.00027**	**.00003**	**-.00572**
Stddev	.00002	.00795	.00084	.00023	.00012	.00003	.00466
%RSD	9.8814	32.183	1985.5	7.9091	41.993	93.081	81.500
#1	.00025	-.03180	.00101	-.00309	-.00015	.00005	-.00474
#2	.00020	-.01611	-.00040	-.00298	-.00030	.00000	-.00163
#3	.00023	-.02623	-.00048	-.00265	-.00038	.00005	-.01079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00003**	**-.00038**	**-.00008**	**-.00097**	**.12119**	**.00060**
Stddev	.00004	.00006	.00018	.00002	.00204	.02182	.00048
%RSD	365.63	218.62	47.370	27.728	209.87	18.006	79.988
#1	.00000	.00003	-.00057	-.00007	-.00302	.13607	.00115
#2	.00006	-.00010	-.00021	-.00007	-.00096	.13137	.00034
#3	-.00002	-.00002	-.00037	-.00011	.00106	.09614	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00006**	**.00005**	**.02109**	**-.00001**	**-.00244**	**.00027**
Stddev	.00379	.00030	.00003	.00207	.00029	.00160	.00145
%RSD	1814.8	467.32	53.246	9.8020	5310.2	65.497	531.83
#1	.00102	-.00015	.00008	.02326	-.00034	-.00379	-.00140
#2	-.00392	.00027	.00004	.01915	.00016	-.00067	.00124
#3	.00352	-.00031	.00003	.02086	.00016	-.00287	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/6/2011 17:14:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.442**	**.00946**	F **3.7700**	**.00086**	**.00144**	**.00024**	**.00002**
Stddev	5.293	.01193	1.8497	.00069	.00141	.00027	.00009
%RSD	32.191	126.08	49.064	80.471	98.521	111.17	453.95
#1	21.185	-.00422	1.8504	.00062	.00160	.00048	-.00002
#2	10.732	.01767	5.5408	.00032	.00276	-.00005	-.00004
#3	17.410	.01493	3.9187	.00164	-.00006	.00029	.00012
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00093**	**-.00016**	**-.00014**	**-.00015**	**-.00012**
Stddev	.00002	.00029	.00034	.00005	.00001	.00013
%RSD	31.565	31.105	208.15	39.713	6.1736	109.10
#1	-.00004	.00126	.00012	-.00010	-.00015	.00003
#2	-.00007	.00072	-.00054	-.00010	-.00016	-.00019
#3	-.00008	.00081	-.00007	-.00020	-.00014	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32974.**	**27487.**
Stddev	8.	120.
%RSD	.02430	.43724
#1	32966.	27559.
#2	32982.	27348.
#3	32975.	27554.

Approved: April 07, 2011

Sample Name: L1104007822 Acquired: 4/6/2011 17:18:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01514**	**204.88**	**.25815**	**.23091**	**4.3821**	**.02706**	**70.618**
Stddev	.00027	1.16	.00128	.00352	.0531	.00011	.412
%RSD	1.7508	.56580	.49566	1.5263	1.2122	.41320	.58344
#1	.01541	204.29	.25701	.23341	4.3925	.02693	70.458
#2	.01488	206.22	.25789	.23245	4.3246	.02712	71.087
#3	.01512	204.14	.25954	.22688	4.4293	.02713	70.311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01157**	**.30737**	**.48828**	**.31948**	**571.28**	**9.1074**	**.13068**
Stddev	.00013	.00097	.00244	.00270	4.28	.0631	.00215
%RSD	1.1439	.31584	.50071	.84400	.74836	.69302	1.6486
#1	.01170	.30669	.48546	.32114	574.50	9.0937	.13001
#2	.01144	.30694	.48961	.31637	572.91	9.1762	.13309
#3	.01159	.30848	.48978	.32093	566.43	9.0522	.12894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.306**	**42.557**	**.01664**	**2.2837**	**.52839**	**6.0695**	**.78417**
Stddev	.167	.501	.00006	.0132	.00118	.0112	.00122
%RSD	.82405	1.1761	.38664	.57580	.22315	.18523	.15588
#1	20.202	42.322	.01665	2.2898	.52761	6.0656	.78279
#2	20.499	43.132	.01669	2.2928	.52782	6.0607	.78513
#3	20.217	42.217	.01657	2.2687	.52975	6.0822	.78458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007822 Acquired: 4/6/2011 17:18:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **97.973**	F **181.66**	F **-23359.**	**.01839**	**.02114**	**2.3282**	**.01402**
Stddev	5.856	.58	7.	.00276	.00269	.0092	.00009
%RSD	5.9775	.32067	.03143	15.028	12.732	.39642	.63588
#1	101.09	181.29	-23365.	.01598	.01813	2.3208	.01392
#2	91.218	181.37	-23351.	.01779	.02331	2.3252	.01407
#3	101.61	182.33	-23361.	.02141	.02199	2.3385	.01408
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26454**	**.16639**	**.02777**	**.70333**	**.58535**	**.11166**
Stddev	.00147	.00214	.00186	.00155	.00076	.00048
%RSD	.55512	1.2858	6.6920	.22097	.13006	.42942
#1	.26513	.16537	.02721	.70183	.58461	.11120
#2	.26562	.16885	.02984	.70323	.58532	.11216
#3	.26286	.16496	.02625	.70493	.58613	.11163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34551.**	**31965.**
Stddev	27.	217.
%RSD	.07799	.67810
#1	34569.	31960.
#2	34563.	31751.
#3	34520.	32184.

Approved: April 07, 2011

Sample Name: L1104007823 Acquired: 4/6/2011 17:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01634**	**165.94**	**.22556**	**.19388**	**4.4314**	**.02127**	**87.414**
Stddev	.00013	.77	.00156	.00456	.0440	.00010	.339
%RSD	.79216	.46680	.69266	2.3525	.99244	.45130	.38734
#1	.01638	166.07	.22521	.19464	4.4438	.02135	87.447
#2	.01619	165.11	.22726	.18899	4.4679	.02129	87.060
#3	.01644	166.65	.22420	.19802	4.3826	.02117	87.735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.41555**	**.32924**	**.29617**	**454.75**	**15.903**	**.10712**
Stddev	.00008	.00079	.00304	.00181	8.65	.075	.00039
%RSD	.68911	.19033	.92331	.60973	1.9031	.47273	.36314
#1	.01147	.41645	.33182	.29752	455.40	15.872	.10686
#2	.01147	.41521	.33001	.29687	445.79	15.848	.10756
#3	.01161	.41498	.32589	.29412	463.06	15.989	.10692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.548**	**45.125**	**.01708**	**1.5477**	**.42015**	**11.922**	**.74224**
Stddev	.074	.454	.00022	.0066	.00042	.019	.00210
%RSD	.36170	1.0063	1.3163	.42862	.10113	.15837	.28283
#1	20.507	45.384	.01686	1.5402	.42062	11.943	.74321
#2	20.502	44.601	.01707	1.5498	.42003	11.917	.73983
#3	20.633	45.391	.01731	1.5530	.41979	11.906	.74367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007823 Acquired: 4/6/2011 17:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **80.692**	F **389.65**	F **-64543.**	**.01780**	**.02540**	**2.0785**	**.01239**
Stddev	6.260	1.36	50.	.00065	.00145	.0052	.00021
%RSD	7.7573	.34823	.07738	3.6385	5.7245	.25180	1.6618
#1	87.493	391.12	-64492.	.01712	.02406	2.0781	.01263
#2	79.408	389.36	-64591.	.01841	.02521	2.0840	.01225
#3	75.173	388.46	-64546.	.01788	.02695	2.0735	.01230
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33179**	**.16287**	**.02529**	**.63148**	**.74122**	**.09887**
Stddev	.00115	.00058	.00133	.00041	.00108	.00056
%RSD	.34793	.35623	5.2466	.06491	.14585	.56299
#1	.33215	.16341	.02447	.63164	.74246	.09951
#2	.33050	.16295	.02457	.63178	.74052	.09856
#3	.33272	.16225	.02682	.63101	.74067	.09854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33427.**	**30936.**
Stddev	44.	127.
%RSD	.13130	.40898
#1	33379.	30928.
#2	33436.	31066.
#3	33466.	30813.

Approved: April 07, 2011

Sample Name: L1104007824 Acquired: 4/6/2011 17:25:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01460**	**198.00**	**.25664**	**.22249**	**4.7353**	**.02730**	**64.485**
Stddev	.00027	1.64	.00443	.00588	.0305	.00007	.471
%RSD	1.8830	.82963	1.7267	2.6407	.64497	.24322	.73076
#1	.01481	196.10	.25240	.21897	4.7088	.02730	63.942
#2	.01429	199.06	.25627	.21922	4.7284	.02736	64.725
#3	.01470	198.83	.26124	.22927	4.7687	.02723	64.787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01063**	**.32654**	**.50284**	**.34485**	**564.35**	**9.9343**	**.15153**
Stddev	.00011	.00064	.00019	.00154	9.43	.0327	.00155
%RSD	1.0794	.19719	.03729	.44528	1.6711	.32887	1.0202
#1	.01054	.32581	.50305	.34308	558.34	9.8996	.15014
#2	.01059	.32684	.50270	.34586	559.49	9.9388	.15126
#3	.01076	.32699	.50276	.34560	575.22	9.9645	.15320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.722**	**40.547**	**.01896**	**1.5184**	**.56283**	**6.5599**	**.91447**
Stddev	.138	.744	.00024	.0143	.00061	.0126	.00219
%RSD	.60557	1.8338	1.2398	.94112	.10778	.19215	.23961
#1	22.563	40.303	.01898	1.5033	.56333	6.5567	.91195
#2	22.790	41.382	.01918	1.5317	.56301	6.5738	.91579
#3	22.812	39.956	.01871	1.5203	.56215	6.5492	.91569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007824 Acquired: 4/6/2011 17:25:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.514**	F **186.25**	F **-25545.**	**.01730**	**.02150**	**2.0336**	**.01358**
Stddev	3.239	.36	7.	.00070	.00209	.0106	.00030
%RSD	3.7011	.19088	.02898	4.0712	9.7360	.51939	2.1863
#1	91.249	185.83	-25544.	.01727	.01940	2.0225	.01392
#2	85.486	186.45	-25539.	.01662	.02152	2.0435	.01344
#3	85.805	186.45	-25553.	.01802	.02359	2.0347	.01338
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28883**	**.14730**	**.02564**	**.67127**	**.65218**	**.10575**
Stddev	.00163	.00084	.00284	.00216	.00060	.00032
%RSD	.56585	.57030	11.056	.32107	.09216	.30161
#1	.28701	.14671	.02788	.66932	.65151	.10539
#2	.29017	.14693	.02659	.67359	.65268	.10601
#3	.28932	.14826	.02245	.67090	.65235	.10583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34057.**	**31355.**
Stddev	53.	128.
%RSD	.15439	.40931
#1	34112.	31465.
#2	34007.	31214.
#3	34052.	31385.

Approved: April 07, 2011

Sample Name: L1104007825 Acquired: 4/6/2011 17:29:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**160.71**	**.21688**	**.18427**	**3.6711**	**.02000**	**191.85**
Stddev	.00009	.68	.00055	.00087	.0065	.00003	.66
%RSD	.89754	.42241	.25588	.47408	.17706	.12902	.34383
#1	.00981	160.33	.21752	.18375	3.6762	.02001	191.54
#2	.00975	161.50	.21659	.18378	3.6733	.02002	192.60
#3	.00964	160.31	.21653	.18528	3.6638	.01997	191.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.20779**	**.31162**	**.31974**	**443.33**	**16.084**	**.14155**
Stddev	.00006	.00065	.00064	.00147	1.55	.037	.00138
%RSD	.53826	.31296	.20585	.46071	.34890	.22853	.97256
#1	.01092	.20854	.31236	.32144	441.58	16.058	.14308
#2	.01084	.20746	.31133	.31878	444.52	16.126	.14042
#3	.01081	.20737	.31118	.31901	443.88	16.066	.14114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.403**	**24.793**	**.01232**	**.47636**	**.47985**	**9.4035**	**.55523**
Stddev	.024	.523	.00025	.00679	.00144	.0281	.00184
%RSD	.09189	2.1115	1.9895	1.4264	.29943	.29879	.33055
#1	26.415	24.393	.01251	.47877	.48144	9.4352	.55312
#2	26.420	25.385	.01204	.48162	.47864	9.3817	.55609
#3	26.375	24.600	.01239	.46869	.47946	9.3935	.55648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007825 Acquired: 4/6/2011 17:29:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **81.131**	F **417.20**	F **-46373.**	**.01760**	**.01999**	**2.4632**	**.01258**
Stddev	7.436	1.74	64.	.00096	.00016	.0071	.00009
%RSD	9.1650	.41727	.13828	5.4273	.80331	.28661	.72368
#1	77.456	419.20	-46439.	.01830	.01988	2.4709	.01267
#2	76.249	416.12	-46368.	.01651	.01991	2.4570	.01249
#3	89.689	416.27	-46311.	.01798	.02017	2.4618	.01256
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33603**	**.14831**	**.01750**	**.47690**	**.74246**	**.07838**
Stddev	.00116	.00170	.00030	.00094	.00153	.00013
%RSD	.34388	1.1441	1.7316	.19750	.20608	.16910
#1	.33497	.14978	.01776	.47660	.74395	.07851
#2	.33727	.14645	.01758	.47615	.74089	.07825
#3	.33586	.14871	.01717	.47796	.74254	.07839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33232.**	**30736.**
Stddev	112.	165.
%RSD	.33730	.53764
#1	33103.	30707.
#2	33291.	30587.
#3	33303.	30914.

Approved: April 07, 2011

Sample Name: L1104007826 Acquired: 4/6/2011 17:33:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01256**	**183.31**	**.24189**	**.20720**	**4.1066**	**.02439**	**120.39**
Stddev	.00030	1.07	.00072	.00193	.0546	.00011	.59
%RSD	2.3865	.58615	.29912	.93220	1.3293	.43670	.49311
#1	.01240	182.71	.24110	.20939	4.1013	.02436	119.99
#2	.01291	184.55	.24204	.20644	4.1637	.02430	121.07
#3	.01237	182.68	.24252	.20576	4.0549	.02450	120.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01033**	**.27252**	**.36690**	**.32596**	**514.38**	**9.3167**	**.13093**
Stddev	.00015	.00104	.00128	.00280	2.31	.0372	.00083
%RSD	1.4953	.38084	.34848	.85869	.44900	.39893	.63195
#1	.01018	.27179	.36633	.32417	517.00	9.3413	.13078
#2	.01049	.27207	.36600	.32453	513.54	9.3349	.13182
#3	.01031	.27371	.36836	.32919	512.62	9.2739	.13018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.523**	**30.688**	**.01660**	**.79792**	**.49995**	**5.9678**	**.68588**
Stddev	.143	.079	.00027	.00744	.00054	.0141	.00174
%RSD	.63619	.25633	1.6162	.93275	.10768	.23556	.25336
#1	22.363	30.623	.01671	.79873	.49952	5.9573	.68442
#2	22.640	30.775	.01629	.80492	.49978	5.9623	.68541
#3	22.566	30.665	.01680	.79010	.50055	5.9837	.68780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007826 Acquired: 4/6/2011 17:33:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **101.16**	F **252.63**	F **-27249.**	**.01780**	**.01903**	**1.6599**	**.01324**
Stddev	7.36	1.41	40.	.00149	.00184	.0063	.00032
%RSD	7.2720	.55923	.14747	8.3712	9.6474	.38161	2.4062
#1	109.57	252.07	-27205.	.01742	.02085	1.6595	.01301
#2	98.040	251.58	-27261.	.01944	.01718	1.6537	.01360
#3	95.886	254.24	-27282.	.01653	.01907	1.6664	.01310
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30973**	**.13579**	**.02351**	**.61434**	**.56438**	**.09678**
Stddev	.00100	.00143	.00106	.00334	.00096	.00055
%RSD	.32210	1.0521	4.5158	.54443	.17073	.56881
#1	.30915	.13595	.02362	.61205	.56382	.09655
#2	.31089	.13429	.02239	.61280	.56382	.09639
#3	.30917	.13713	.02450	.61818	.56549	.09741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34409.**	**32530.**
Stddev	70.	133.
%RSD	.20258	.40788
#1	34440.	32613.
#2	34457.	32377.
#3	34329.	32600.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:37:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44294	9.1520	.42488	.52094	.93048	.05194	9.1669
Stddev	.00107	.0309	.00060	.00123	.00644	.00015	.0442
%RSD	.24188	.33718	.14044	.23639	.69202	.28114	.48260
#1	.44189	9.1318	.42554	.51981	.92357	.05184	9.1441
#2	.44288	9.1366	.42438	.52225	.93156	.05211	9.1386
#3	.44403	9.1875	.42472	.52075	.93631	.05187	9.2178
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05345	.21658	.51213	.53949	3.9995	47.038	.96000
Stddev	.00007	.00008	.00157	.00202	.0179	.221	.00519
%RSD	.13530	.03561	.30617	.37518	.44754	.46913	.54064
#1	.05353	.21656	.51058	.54180	4.0078	46.846	.95485
#2	.05344	.21666	.51372	.53861	4.0118	46.989	.95993
#3	.05339	.21652	.51210	.53805	3.9790	47.279	.96523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6892	.50857	.98312	47.120	.52175	F .00264	.53384
Stddev	.0384	.00198	.00248	.123	.00086	.00078	.00182
%RSD	.39659	.38936	.25265	.26140	.16552	29.419	.34061
#1	9.6816	.51069	.98039	47.077	.52268	.00174	.53193
#2	9.6552	.50824	.98369	47.025	.52162	.00307	.53406
#3	9.7309	.50678	.98526	47.259	.52097	.00309	.53555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:37:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **32.373**	**10.982**	F **-.89058**	**1.2882**	**.42953**	F **2.3256**	**1.0553**
Stddev	4.903	.025	8.8035	.0035	.00155	.0028	.0012
%RSD	15.146	.22617	988.51	.27362	.36165	.12133	.11310
#1	28.636	10.956	-6.9753	1.2850	.43123	2.3230	1.0539
#2	30.557	11.005	9.2040	1.2875	.42919	2.3253	1.0562
#3	37.925	10.984	-4.9005	1.2920	.42818	2.3286	1.0556
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94245**	**.97112**	**.54056**	**1.0582**	**1.0303**	F **.00102**
Stddev	.00304	.00541	.00171	.0012	.0015	.00014
%RSD	.32212	.55689	.31620	.10888	.14944	13.566
#1	.94002	.96576	.53870	1.0581	1.0286	.00087
#2	.94146	.97102	.54207	1.0594	1.0309	.00104
#3	.94585	.97658	.54090	1.0571	1.0315	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32816.**	**28778.**
Stddev	39.	227.
%RSD	.12034	.78924
#1	32854.	28679.
#2	32775.	29037.
#3	32820.	28617.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 17:40:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.02561**	**-.00028**	**-.00258**	**-.00030**	**.00004**	**-.00102**
Stddev	.00104	.00380	.00080	.00035	.00015	.00000	.00665
%RSD	2099.4	14.840	290.02	13.428	49.418	12.433	651.73
#1	.00067	-.02192	.00032	-.00269	-.00021	.00004	-.00804
#2	-.00115	-.02541	.00003	-.00286	-.00022	.00004	.00519
#3	.00063	-.02952	-.00119	-.00220	-.00047	.00003	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00006**	**-.00021**	**.00004**	**.01040**	**.13682**	**.00079**
Stddev	.00010	.00004	.00028	.00041	.00335	.00631	.00096
%RSD	3067.9	68.763	135.09	1147.7	32.185	4.6147	120.59
#1	.00012	-.00007	-.00012	-.00035	.01279	.13556	-.00007
#2	-.00001	-.00009	-.00052	.00000	.01182	.13123	.00063
#3	-.00009	-.00001	.00002	.00046	.00657	.14367	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01057**	**.00057**	**-.00003**	**.03016**	**-.00022**	**-.00082**	**-.00094**
Stddev	.01266	.00016	.00010	.00304	.00022	.00188	.00079
%RSD	119.74	27.755	350.80	10.095	98.272	227.57	83.919
#1	.00905	.00065	.00006	.03240	.00003	-.00053	-.00102
#2	.02393	.00066	-.00001	.02669	-.00034	.00089	-.00168
#3	-.00126	.00039	-.00014	.03139	-.00036	-.00283	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 17:40:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **27.803**	F **.01594**	F **6.2314**	**.00082**	**.00099**	**.00171**	**-.00003**
Stddev	7.149	.02085	9.1858	.00034	.00083	.00133	.00012
%RSD	25.714	130.78	147.41	41.260	83.286	77.994	349.21
#1	28.166	.03705	.50078	.00063	.00167	.00325	-.00005
#2	20.479	-.00463	1.3670	.00062	.00007	.00085	-.00014
#3	34.764	.01540	16.826	.00121	.00124	.00103	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00095**	**-.00033**	**-.00016**	**-.00008**	**.00003**
Stddev	.00005	.00028	.00045	.00013	.00006	.00003
%RSD	85.341	28.886	133.73	82.158	77.602	100.78
#1	-.00005	.00125	-.00039	-.00027	-.00003	.00000
#2	-.00011	.00071	-.00075	-.00021	-.00005	.00005
#3	-.00001	.00090	.00014	-.00001	-.00014	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32877.**	**28130.**
Stddev	304.	124.
%RSD	.92417	.44111
#1	32526.	28000.
#2	33061.	28142.
#3	33043.	28247.

Approved: April 07, 2011

Sample Name: PBS 6R Acquired: 4/6/2011 17:44:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.02073**	**-.00265**	**-.00290**	**.00022**	**.00004**	**.04139**
Stddev	.00006	.00577	.00042	.00057	.00009	.00001	.00264
%RSD	14.782	27.815	15.973	19.582	41.697	34.133	6.3840
#1	.00040	-.02518	-.00304	-.00266	.00023	.00004	.04254
#2	.00037	-.02280	-.00220	-.00354	.00013	.00003	.04326
#3	.00049	-.01422	-.00271	-.00249	.00031	.00006	.03837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00048**	**.00243**	**.00007**	**.02341**	**.17441**	**.00049**
Stddev	.00002	.00017	.00015	.00032	.00052	.01357	.00049
%RSD	7.7471	35.982	6.2055	474.09	2.2271	7.7781	99.917
#1	.00022	-.00033	.00235	.00040	.02337	.19000	-.00001
#2	.00022	-.00044	.00233	.00004	.02396	.16529	.00098
#3	.00019	-.00067	.00260	-.00024	.02292	.16794	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01529**	**.00004**	**.00011**	**.07877**	**.00129**	F **-.01212**	**-.00040**
Stddev	.00770	.00016	.00017	.00381	.00023	.00230	.00060
%RSD	50.368	372.22	156.07	4.8384	17.432	19.019	149.60
#1	.00640	.00022	.00015	.08234	.00126	-.01025	.00027
#2	.01946	.00000	.00026	.07922	.00154	-.01141	-.00058
#3	.02001	-.00009	-.00008	.07475	.00109	-.01470	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 6R Acquired: 4/6/2011 17:44:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **41.086**	**1.1186**	F **-218.26**	**.00180**	**.00241**	**.00941**	**.00005**
Stddev	3.363	.0432	7.66	.00062	.00059	.00048	.00009
%RSD	8.1848	3.8623	3.5082	34.301	24.390	5.0661	158.54
#1	44.331	1.1649	-210.50	.00235	.00175	.00986	.00002
#2	37.616	1.1117	-225.81	.00192	.00288	.00944	-.00001
#3	41.311	1.0793	-218.46	.00113	.00259	.00891	.00015
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00172**	**-.00239**	**-.00006**	**.00331**	**-.00003**
Stddev	.00002	.00029	.00051	.00028	.00006	.00004
%RSD	86.834	16.650	21.224	434.28	1.9464	147.02
#1	-.00003	.00192	-.00186	-.00001	.00338	-.00003
#2	-.00003	.00186	-.00244	.00018	.00326	.00001
#3	.00000	.00139	-.00287	-.00037	.00330	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32503.**	**28004.**
Stddev	202.	148.
%RSD	.61994	.52724
#1	32287.	28174.
#2	32535.	27913.
#3	32687.	27924.

Approved: April 07, 2011

Sample Name: LCSS 6R Acquired: 4/6/2011 17:47:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20677**	**-.01837**	**.20217**	**-.00336**	**.00024**	**.00008**	**.01804**
Stddev	.00287	.00052	.00134	.00031	.00004	.00002	.00330
%RSD	1.3888	2.8178	.66344	9.1081	17.580	24.234	18.265
#1	.20465	-.01881	.20169	-.00360	.00028	.00008	.02184
#2	.20563	-.01780	.20113	-.00302	.00020	.00006	.01589
#3	.21004	-.01850	.20368	-.00348	.00023	.00009	.01640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02594**	**-.00035**	**.00072**	**.27247**	**.01230**	**.10685**	**.00077**
Stddev	.00008	.00006	.00017	.00198	.00096	.01733	.00067
%RSD	.30875	16.524	23.102	.72744	7.8039	16.220	86.986
#1	.02597	-.00037	.00053	.27091	.01191	.09619	.00033
#2	.02585	-.00028	.00083	.27180	.01339	.12685	.00154
#3	.02601	-.00039	.00081	.27470	.01159	.09752	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.26171**	**.00006**	**.06787**	**.00097**	F **-.01281**	**.27394**
Stddev	.01186	.00048	.00013	.00210	.00010	.00230	.00034
%RSD	104.80	.18354	224.15	3.0977	10.464	17.938	.12258
#1	.00980	.26147	.00003	.06563	.00092	-.01504	.27381
#2	.00029	.26140	.00020	.06820	.00089	-.01294	.27432
#3	.02387	.26227	-.00005	.06979	.00108	-.01045	.27369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 6R Acquired: 4/6/2011 17:47:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **36.460**	**.07754**	F **-.03369**	**.00152**	**.00254**	**.00631**	**.00004**
Stddev	3.060	.00059	8.7382	.00027	.00159	.00021	.00027
%RSD	8.3935	.75560	25935.	17.732	62.609	3.3870	651.46
#1	34.406	.07749	1.9605	.00174	.00396	.00627	-.00005
#2	34.996	.07815	7.5350	.00159	.00082	.00654	.00034
#3	39.977	.07698	-9.5966	.00122	.00283	.00611	-.00016
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00178**	**-.00077**	**.00000**	**.00270**	**-.00006**
Stddev	.00006	.00068	.00035	.0001	.00005	.00004
%RSD	65.684	38.152	45.394	1890.5	1.8195	63.812
#1	-.00016	.00208	-.00093	-.00007	.00265	-.00011
#2	-.00006	.00225	-.00037	.00000	.00275	-.00005
#3	-.00005	.00100	-.00102	.00005	.00270	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32667.**	**27827.**
Stddev	117.	115.
%RSD	.35852	.41408
#1	32705.	27819.
#2	32760.	27946.
#3	32536.	27716.

Approved: April 07, 2011

Sample Name: L1103090626 Acquired: 4/6/2011 17:51:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03486**	**182.00**	**.22667**	**.22197**	**2.3095**	^ *****	**435.53**
Stddev	.00017	.56	.00199	.00217	.0036	-----	3.32
%RSD	.48298	.30635	.87936	.97905	.15681	-----	.76186
#1	.03470	181.36	.22438	.22148	2.3056	^ -----	432.70
#2	.03484	182.24	.22802	.22434	2.3100	^ -----	439.18
#3	.03503	182.40	.22760	.22008	2.3128	^ -----	434.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01301**	**.15699**	**.35099**	**15.104**	**331.67**	**46.137**	**.30442**
Stddev	.00002	.00039	.00103	.035	2.13	.107	.00194
%RSD	.16583	.25117	.29373	.23377	.64125	.23258	.63761
#1	.01302	.15729	.34999	15.106	332.20	46.014	.30230
#2	.01303	.15712	.35205	15.139	333.48	46.186	.30486
#3	.01299	.15654	.35094	15.068	329.32	46.211	.30611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**129.55**	**5.8220**	**.07416**	**3.3417**	**.27395**	**14.063**	**.79177**
Stddev	.67	.0140	.00031	.0070	.00069	.010	.00080
%RSD	.51527	.23979	.41550	.20854	.25151	.07011	.10069
#1	128.87	5.8080	.07407	3.3390	.27460	14.058	.79125
#2	129.58	5.8221	.07450	3.3496	.27403	14.074	.79268
#3	130.21	5.8359	.07390	3.3365	.27322	14.056	.79137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090626 Acquired: 4/6/2011 17:51:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.029**	F **868.21**	F **-87459.**	**.01788**	**.01453**	**1.9323**	**.10064**
Stddev	1.989	1.14	56.	.00059	.00296	.0014	.00008
%RSD	2.2347	.13105	.06403	3.2818	20.334	.07516	.08331
#1	87.701	868.58	-87518.	.01788	.01328	1.9330	.10054
#2	88.069	869.12	-87452.	.01847	.01791	1.9334	.10071
#3	91.316	866.94	-87407.	.01730	.01241	1.9307	.10066
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9283**	**4.6485**	**.02122**	**.66702**	**1.6111**	**.10294**
Stddev	.0046	.0092	.00086	.00201	.0019	.00052
%RSD	.23580	.19770	4.0747	.30203	.12109	.50212
#1	1.9243	4.6402	.02041	.66864	1.6106	.10293
#2	1.9333	4.6468	.02213	.66476	1.6133	.10346
#3	1.9274	4.6584	.02112	.66765	1.6095	.10242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31198.**	**29735.**
Stddev	32.	101.
%RSD	.10257	.33969
#1	31185.	29819.
#2	31174.	29763.
#3	31234.	29623.

Approved: April 07, 2011

Sample Name: L1103090626PS Acquired: 4/6/2011 17:54:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360942-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24796**	**171.49**	**.40675**	**1.1518**	**2.5684**	**.02804**	**404.36**
Stddev	.00120	.75	.00335	.0039	.0104	.00003	8.03
%RSD	.48553	.43639	.82359	.33597	.40568	.10713	1.9869
#1	.24935	170.76	.41046	1.1532	2.5593	.02803	395.92
#2	.24733	171.46	.40585	1.1474	2.5662	.02802	411.92
#3	.24720	172.26	.40394	1.1547	2.5798	.02807	405.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03745**	**.23927**	**.56095**	**13.883**	**304.86**	**65.625**	**.75917**
Stddev	.00008	.00071	.00115	.054	1.54	.218	.00155
%RSD	.21555	.29669	.20514	.39163	.50360	.33178	.20445
#1	.03754	.23990	.56088	13.945	303.19	65.402	.75774
#2	.03740	.23850	.55983	13.844	305.19	65.636	.75895
#3	.03741	.23940	.56213	13.860	306.21	65.837	.76082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**122.89**	**5.5602**	**.54974**	**26.825**	**.48517**	**12.795**	**.94903**
Stddev	.39	.0023	.00100	.053	.00156	.042	.00388
%RSD	.31855	.04095	.18197	.19626	.32246	.32706	.40886
#1	122.59	5.5576	.54926	26.765	.48692	12.843	.95285
#2	122.75	5.5618	.55089	26.862	.48390	12.769	.94510
#3	123.33	5.5613	.54907	26.849	.48470	12.773	.94915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090626PS Acquired: 4/6/2011 17:54:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360942-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.903**	F **789.05**	F **-79753.**	**.61090**	**.21155**	**4.2949**	**.09238**
Stddev	1.824	3.05	111.	.00068	.00389	.0118	.00022
%RSD	2.1229	.38699	.13866	.11083	1.8408	.27566	.23635
#1	84.621	792.31	-79877.	.61167	.20728	4.3086	.09246
#2	85.098	786.25	-79717.	.61058	.21245	4.2877	.09256
#3	87.991	788.59	-79664.	.61043	.21491	4.2885	.09214
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2300**	**4.7236**	**.24475**	**1.1240**	**1.9225**	**.09408**
Stddev	.0018	.0081	.00119	.0021	.0022	.00019
%RSD	.08109	.17187	.48783	.18718	.11339	.20207
#1	2.2279	4.7154	.24444	1.1264	1.9250	.09427
#2	2.2306	4.7239	.24373	1.1226	1.9209	.09389
#3	2.2313	4.7316	.24606	1.1229	1.9216	.09409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31246.**	**29474.**
Stddev	49.	21.
%RSD	.15612	.07036
#1	31210.	29497.
#2	31302.	29470.
#3	31227.	29456.

Approved: April 07, 2011

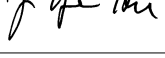
Sample Name: L1103090626SDL Acquired: 4/6/2011 17:58:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00743**	**37.643**	**.04742**	**.04871**	**.47273**	**.00052**	**95.911**
Stddev	.00067	.242	.00103	.00056	.00263	.00001	.516
%RSD	9.0684	.64200	2.1723	1.1502	.55672	2.2767	.53748
#1	.00761	37.736	.04634	.04925	.47311	.00051	96.132
#2	.00669	37.369	.04754	.04875	.46992	.00053	95.322
#3	.00800	37.825	.04839	.04813	.47514	.00052	96.280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.03448**	**.07324**	**3.2405**	**72.023**	**9.7690**	**.06160**
Stddev	.00008	.00025	.00033	.0093	.269	.0464	.00186
%RSD	2.7068	.71066	.44778	.28572	.37359	.47455	3.0126
#1	.00291	.03420	.07288	3.2399	72.101	9.7808	.06166
#2	.00275	.03459	.07352	3.2315	71.724	9.7179	.05972
#3	.00283	.03465	.07331	3.2500	72.245	9.8083	.06343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.359**	**1.2463**	**.01504**	**.70837**	**.05979**	**3.0782**	**.18224**
Stddev	.094	.0025	.00025	.01193	.00027	.0125	.00151
%RSD	.33204	.19702	1.6887	1.6836	.44464	.40635	.82938
#1	28.462	1.2491	.01492	.71868	.05974	3.0654	.18049
#2	28.278	1.2449	.01486	.71113	.05955	3.0787	.18318
#3	28.336	1.2448	.01533	.69531	.06007	3.0904	.18304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103090626SDL Acquired: 4/6/2011 17:58:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **37.476**	F **191.89**	F **-18926.**	**.00366**	**.00321**	**.40976**	**.02198**
Stddev	1.628	.47	89.	.00119	.00075	.00160	.00028
%RSD	4.3434	.24566	.47256	32.600	23.409	.38950	1.2632
#1	37.746	191.70	-18836.	.00309	.00311	.40794	.02217
#2	38.951	191.54	-18926.	.00503	.00401	.41041	.02166
#3	35.729	192.43	-19015.	.00285	.00252	.41093	.02211
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39664**	**.96866**	**.00532**	**.13603**	**.35028**	**.02007**
Stddev	.00165	.00160	.00018	.00034	.00079	.00012
%RSD	.41644	.16568	3.2990	.24890	.22679	.60986
#1	.39749	.97040	.00545	.13622	.35061	.02013
#2	.39474	.96836	.00512	.13623	.34937	.02015
#3	.39769	.96723	.00539	.13564	.35085	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33474.**	**29015.**
Stddev	115.	131.
%RSD	.34293	.45153
#1	33562.	29015.
#2	33516.	29146.
#3	33344.	28884.

Approved: April 07, 2011

Sample Name: L1103090626SDL Acquired: 4/6/2011 18:01:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00138**	**7.6142**	**.01105**	**.00723**	**.09430**	**.00010**	**19.287**
Stddev	.00030	.0160	.00076	.00014	.00018	.00003	.039
%RSD	22.006	.21075	6.9066	1.9272	.18791	25.806	.20244
#1	.00104	7.6191	.01093	.00718	.09450	.00012	19.309
#2	.00163	7.6272	.01186	.00739	.09423	.00012	19.309
#3	.00147	7.5962	.01035	.00713	.09417	.00007	19.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00737**	**.01488**	**.68449**	**14.462**	**2.0701**	**.01278**
Stddev	.00006	.00015	.00012	.00103	.033	.0162	.00106
%RSD	11.171	2.0253	.78739	.15113	.22689	.78387	8.2533
#1	.00050	.00731	.01476	.68397	14.485	2.0888	.01157
#2	.00056	.00754	.01500	.68568	14.477	2.0602	.01331
#3	.00044	.00726	.01488	.68381	14.425	2.0613	.01348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8592**	**.25805**	**.00281**	**.15879**	**.01274**	**.64268**	**.03786**
Stddev	.0191	.00063	.00023	.00577	.00043	.00183	.00086
%RSD	.32642	.24462	8.0463	3.6363	3.3502	.28517	2.2631
#1	5.8546	.25806	.00266	.15376	.01225	.64301	.03772
#2	5.8802	.25741	.00270	.16510	.01292	.64070	.03878
#3	5.8428	.25867	.00307	.15753	.01304	.64432	.03708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090626SDL Acquired: 4/6/2011 18:01:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.838**	F **42.252**	F **-3923.5**	**-.00007**	**.00071**	**.08117**	**.00431**
Stddev	8.813	.255	10.3	.00083	.00233	.00004	.00010
%RSD	28.579	.60384	.26304	1139.8	327.51	.04868	2.3835
#1	39.280	41.965	-3919.3	-.00077	-.00176	.08118	.00425
#2	31.541	42.454	-3915.8	-.00030	.00101	.08120	.00424
#3	21.695	42.336	-3935.2	.00085	.00288	.08112	.00442
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08064**	**.19711**	**.00209**	**.02761**	**.07466**	**.00366**
Stddev	.00009	.00010	.00030	.00012	.00031	.00005
%RSD	.11033	.04956	14.376	.42598	.41161	1.4031
#1	.08055	.19720	.00243	.02764	.07431	.00367
#2	.08072	.19711	.00184	.02771	.07489	.00360
#3	.08065	.19701	.00200	.02748	.07478	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34032.**	**28813.**
Stddev	63.	49.
%RSD	.18616	.16997
#1	34105.	28758.
#2	33993.	28828.
#3	33998.	28853.

Approved: April 07, 2011

Sample Name: L1103090627 Acquired: 4/6/2011 18:05:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03451**	**174.98**	**.16173**	**.18510**	**2.7889**	^ *****	**400.87**
Stddev	.00058	.52	.00089	.00275	.0063	-----	1.28
%RSD	1.6918	.29716	.55087	1.4861	.22703	-----	.31882
#1	.03483	175.32	.16258	.18649	2.7902	^ -----	400.39
#2	.03487	174.38	.16179	.18688	2.7821	^ -----	399.90
#3	.03384	175.23	.16080	.18193	2.7945	^ -----	402.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.14935**	**.32423**	**7.1334**	**306.93**	**46.908**	**.27473**
Stddev	.00004	.00004	.00198	.0147	5.13	.136	.00059
%RSD	.46620	.02862	.61002	.20545	1.6705	.28906	.21358
#1	.00920	.14940	.32629	7.1474	308.18	46.909	.27487
#2	.00927	.14931	.32234	7.1182	311.31	46.772	.27523
#3	.00928	.14936	.32404	7.1346	301.29	47.043	.27409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.69**	**5.9288**	**.04723**	**1.8481**	**.27289**	**13.258**	**.35572**
Stddev	.29	.0089	.00022	.0057	.00034	.016	.00118
%RSD	.24158	.14983	.47204	.31061	.12601	.12190	.33116
#1	120.55	5.9354	.04738	1.8547	.27250	13.276	.35585
#2	120.49	5.9187	.04697	1.8448	.27313	13.247	.35448
#3	121.02	5.9323	.04733	1.8447	.27305	13.251	.35682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090627 Acquired: 4/6/2011 18:05:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **103.32**	F **592.87**	F **-35703.**	**.00995**	**.00766**	**1.5084**	**.03283**
Stddev	3.44	1.05	59.	.00291	.00124	.0008	.00041
%RSD	3.3342	.17670	.16562	29.212	16.228	.05148	1.2483
#1	99.658	593.25	-35723.	.01081	.00879	1.5088	.03287
#2	106.50	591.68	-35636.	.01233	.00785	1.5075	.03321
#3	103.82	593.67	-35750.	.00671	.00633	1.5089	.03240
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7418**	**5.0084**	**.02033**	**.60291**	**.97385**	**.09602**
Stddev	.0040	.0058	.00162	.00204	.00091	.00073
%RSD	.22848	.11512	7.9790	.33914	.09324	.76341
#1	1.7458	5.0121	.01888	.60461	.97468	.09684
#2	1.7379	5.0018	.02208	.60346	.97288	.09578
#3	1.7416	5.0114	.02002	.60064	.97400	.09544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31455.**	**30302.**
Stddev	73.	251.
%RSD	.23326	.82717
#1	31373.	30027.
#2	31514.	30360.
#3	31479.	30519.

Approved: April 07, 2011

Sample Name: L1103090628 Acquired: 4/6/2011 18:08:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03566**	**170.32**	**.19848**	**.19139**	**2.2603**	^ *****	**334.07**
Stddev	.00028	.69	.00147	.00182	.0104	-----	3.22
%RSD	.77229	.40799	.74289	.94926	.46200	-----	.96244
#1	.03557	169.57	.19727	.19339	2.2491	^ -----	332.01
#2	.03545	170.94	.19805	.19094	2.2622	^ -----	332.42
#3	.03597	170.46	.20012	.18984	2.2697	^ -----	337.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.14159**	**.33409**	**10.377**	**289.35**	**46.005**	**.25904**
Stddev	.00004	.00007	.00205	.028	2.93	.203	.00045
%RSD	.35854	.05056	.61294	.26820	1.0130	.44070	.17257
#1	.01110	.14151	.33176	10.354	292.46	45.771	.25947
#2	.01102	.14164	.33493	10.370	288.96	46.108	.25908
#3	.01107	.14163	.33559	10.408	286.64	46.135	.25858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.92**	**5.6818**	**.04144**	**2.6204**	**.27084**	**13.219**	**.41273**
Stddev	.63	.0123	.00027	.0119	.00025	.029	.00188
%RSD	.54200	.21722	.64696	.45552	.09137	.21813	.45539
#1	116.25	5.6695	.04163	2.6163	.27057	13.188	.41068
#2	117.00	5.6942	.04156	2.6339	.27105	13.224	.41312
#3	117.50	5.6815	.04113	2.6111	.27090	13.245	.41438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090628 Acquired: 4/6/2011 18:08:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **103.57**	F **565.77**	F **-45161.**	**.01145**	**.01148**	**1.9054**	**.03502**
Stddev	5.79	2.04	36.	.00058	.00110	.0025	.00011
%RSD	5.5880	.36097	.07894	5.0804	9.5785	.13204	.31104
#1	97.359	564.09	-45120.	.01101	.01035	1.9027	.03498
#2	108.81	565.19	-45178.	.01122	.01156	1.9059	.03493
#3	104.53	568.04	-45184.	.01211	.01254	1.9077	.03514
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6029**	**5.0538**	**.01830**	**.58299**	**.96588**	**.08685**
Stddev	.0048	.0089	.00071	.00253	.00263	.00064
%RSD	.29686	.17550	3.8813	.43411	.27179	.73734
#1	1.6019	5.0440	.01761	.58037	.96332	.08611
#2	1.6080	5.0562	.01903	.58317	.96577	.08717
#3	1.5987	5.0612	.01825	.58542	.96856	.08726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31726.**	**30434.**
Stddev	109.	18.
%RSD	.34233	.06073
#1	31826.	30435.
#2	31743.	30452.
#3	31610.	30415.

Approved: April 07, 2011

Sample Name: L1103090629 Acquired: 4/6/2011 18:12:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05744**	**195.85**	**.19609**	**.18439**	**3.3972**	**.00673**	**467.57**
Stddev	.00059	.25	.00093	.00369	.0063	.00007	3.04
%RSD	1.0198	.12725	.47316	2.0010	.18404	1.0708	.65089
#1	.05788	195.68	.19523	.18274	3.4043	.00681	466.92
#2	.05678	195.74	.19707	.18181	3.3924	.00671	470.88
#3	.05767	196.14	.19595	.18861	3.3949	.00667	464.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.14925**	**.34702**	**10.236**	**324.48**	**45.698**	**.29942**
Stddev	.00010	.00027	.00052	.019	3.14	.021	.00093
%RSD	.89557	.18329	.15076	.18098	.96844	.04526	.31095
#1	.01062	.14904	.34658	10.219	324.32	45.719	.29837
#2	.01081	.14955	.34760	10.256	321.42	45.677	.30013
#3	.01075	.14914	.34688	10.233	327.70	45.699	.29977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**123.56**	**6.1267**	**.05542**	**2.3214**	**.26935**	**13.077**	**.34286**
Stddev	.16	.0059	.00026	.0070	.00022	.022	.00040
%RSD	.13054	.09588	.46049	.30163	.08140	.16999	.11717
#1	123.38	6.1262	.05571	2.3211	.26912	13.072	.34239
#2	123.68	6.1329	.05528	2.3145	.26955	13.102	.34311
#3	123.63	6.1211	.05525	2.3285	.26939	13.059	.34307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090629 Acquired: 4/6/2011 18:12:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **92.843**	F **735.81**	F **-49606.**	**.01484**	**.00867**	**2.5330**	**.02732**
Stddev	5.386	1.68	31.	.00085	.00441	.0074	.00004
%RSD	5.8010	.22880	.06217	5.7520	50.872	.29106	.13350
#1	96.719	734.07	-49639.	.01388	.00568	2.5348	.02732
#2	86.693	737.43	-49578.	.01552	.00659	2.5393	.02728
#3	95.118	735.93	-49602.	.01512	.01373	2.5249	.02735
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0655**	**3.4888**	**.01810**	**.62462**	**.96368**	**.12556**
Stddev	.0032	.0019	.00051	.00073	.00159	.00030
%RSD	.15277	.05493	2.8095	.11728	.16516	.23924
#1	2.0644	3.4910	.01839	.62537	.96207	.12559
#2	2.0631	3.4873	.01751	.62460	.96525	.12525
#3	2.0691	3.4882	.01839	.62390	.96373	.12585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31545.**	**30341.**
Stddev	60.	134.
%RSD	.18953	.44287
#1	31572.	30323.
#2	31476.	30217.
#3	31587.	30483.

Approved: April 07, 2011

Sample Name: L1103090630 Acquired: 4/6/2011 18:16:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02539**	**179.47**	**.18572**	**.18073**	**2.4418**	**.00459**	**419.50**
Stddev	.00039	1.50	.00127	.00115	.0126	.00003	3.88
%RSD	1.5370	.83852	.68509	.63881	.51615	.74678	.92585
#1	.02503	178.09	.18427	.17974	2.4277	.00456	415.11
#2	.02581	179.24	.18621	.18044	2.4457	.00463	420.94
#3	.02532	181.08	.18666	.18200	2.4519	.00459	422.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00734**	**.13543**	**.34243**	**4.0238**	**301.15**	**47.950**	**.27486**
Stddev	.00011	.00049	.00185	.0168	.78	.267	.00241
%RSD	1.5507	.36326	.54138	.41679	.25836	.55639	.87742
#1	.00722	.13486	.34072	4.0047	300.67	47.705	.27244
#2	.00745	.13569	.34216	4.0305	300.73	47.911	.27727
#3	.00736	.13573	.34440	4.0362	302.05	48.234	.27488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.28**	**5.5798**	**.02280**	**2.2665**	**.26704**	**11.781**	**.24255**
Stddev	.30	.0017	.00038	.0146	.00048	.032	.00085
%RSD	.25183	.03025	1.6451	.64438	.17990	.27580	.35087
#1	119.95	5.5779	.02298	2.2586	.26649	11.747	.24261
#2	120.55	5.5801	.02305	2.2576	.26739	11.783	.24167
#3	120.34	5.5813	.02237	2.2834	.26724	11.812	.24336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090630 Acquired: 4/6/2011 18:16:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.705**	F **568.20**	F **-26407.**	**.00926**	**.00816**	**1.6990**	**.02027**
Stddev	5.928	1.95	12.	.00167	.00426	.0017	.00058
%RSD	6.3257	.34262	.04402	17.995	52.187	.10085	2.8463
#1	90.488	566.09	-26396.	.01024	.00779	1.6970	.02063
#2	100.55	568.58	-26405.	.00733	.01260	1.7002	.01960
#3	90.081	569.93	-26419.	.01019	.00410	1.6997	.02057
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6006**	**3.8111**	**.01638**	**.57304**	**.78174**	**.09792**
Stddev	.0104	.0094	.00224	.00317	.00162	.00059
%RSD	.65318	.24768	13.646	.55298	.20762	.59963
#1	1.5935	3.8013	.01585	.57085	.78088	.09754
#2	1.5957	3.8119	.01446	.57161	.78074	.09762
#3	1.6126	3.8201	.01883	.57668	.78362	.09860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31745.**	**29594.**
Stddev	52.	42.
%RSD	.16506	.14260
#1	31801.	29552.
#2	31737.	29594.
#3	31697.	29637.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 18:19:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43927**	**9.4750**	**.42756**	**.53146**	**.96727**	**.05223**	**9.4842**
Stddev	.00284	.0948	.00224	.00323	.00822	.00020	.0874
%RSD	.64570	1.0002	.52384	.60757	.85003	.38924	.92154
#1	.43795	9.3871	.42659	.52801	.96022	.05200	9.4089
#2	.43733	9.4625	.42597	.53197	.96529	.05233	9.4635
#3	.44252	9.5754	.43012	.53440	.97630	.05237	9.5800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05409**	**.21758**	**.52297**	**.54467**	**3.8951**	**48.807**	**.98587**
Stddev	.00009	.00094	.00317	.00189	.0286	.332	.00443
%RSD	.17150	.43285	.60694	.34656	.73356	.67924	.44938
#1	.05404	.21721	.51945	.54448	3.8675	48.565	.98235
#2	.05403	.21689	.52562	.54288	3.8932	48.671	.98441
#3	.05419	.21866	.52384	.54664	3.9246	49.184	.99085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.008**	**.50579**	**.98922**	**47.924**	**.52912**	F **.00029**	**.53926**
Stddev	.033	.00287	.00178	.298	.00149	.00264	.00240
%RSD	.33000	.56662	.17996	.62247	.28109	915.47	.44419
#1	9.9736	.50255	.98852	47.692	.53001	.00180	.53816
#2	10.013	.50681	.98790	47.819	.52741	.00183	.54201
#3	10.039	.50800	.99124	48.261	.52995	-.00276	.53762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 18:19:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.158**	**10.989**	F **15.330**	**1.3071**	**.42974**	F **.01795**	**1.0730**
Stddev	4.835	.052	.778	.0061	.00269	.00186	.0024
%RSD	39.766	.47445	5.0772	.46710	.62661	10.379	.22686
#1	9.0902	10.932	15.697	1.3047	.42685	.01641	1.0711
#2	9.6524	11.034	15.857	1.3026	.43022	.01742	1.0721
#3	17.731	11.002	14.436	1.3141	.43217	.02002	1.0758
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96868**	**1.0009**	F **.55089**	**1.0576**	**1.0347**	F **.00076**
Stddev	.00659	.0052	.00150	.0063	.0019	.00005
%RSD	.68006	.52340	.27283	.59963	.18144	6.9073
#1	.96243	.99624	.54915	1.0528	1.0330	.00079
#2	.96806	1.0000	.55166	1.0553	1.0343	.00070
#3	.97556	1.0066	.55184	1.0648	1.0367	.00080
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32351.**	**27603.**
Stddev	71.	178.
%RSD	.21899	.64481
#1	32432.	27612.
#2	32323.	27777.
#3	32299.	27421.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 18:23:19 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.03210**	**-.00082**	**-.00182**	**-.00025**	**.00002**	**-.00772**
Stddev	.00125	.01566	.00084	.00038	.00012	.00001	.00277
%RSD	400.32	48.788	102.10	20.712	47.168	45.577	35.831
#1	-.00120	-.01413	-.00154	-.00195	-.00017	.00001	-.00523
#2	-.00086	-.04286	-.00101	-.00139	-.00019	.00003	-.00724
#3	.00112	-.03932	.00010	-.00211	-.00038	.00003	-.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00004**	**-.00006**	**-.00012**	**-.00029**	**.18689**	**.00038**
Stddev	.00005	.00017	.00011	.00011	.00126	.03642	.00036
%RSD	90.324	444.23	176.22	90.191	431.41	19.487	95.689
#1	.00005	-.00013	.00000	.00000	.00115	.22617	.00077
#2	.00001	-.00015	-.00018	-.00022	-.00121	.18025	.00006
#3	.00010	.00016	.00001	-.00014	-.00082	.15424	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**-.00017**	**.00012**	**.01512**	**-.00012**	**-.00195**	**-.00096**
Stddev	.00715	.00017	.00011	.00045	.00027	.00197	.00114
%RSD	133.37	95.597	93.478	2.9881	226.12	100.87	118.79
#1	.00589	-.00018	.00021	.01563	-.00043	-.00311	.00015
#2	.01223	-.00001	.00016	.01478	.00001	-.00306	-.00090
#3	-.00204	-.00034	-.00001	.01494	.00006	.00032	-.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 18:23:19 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.9087**	F **.02512**	F **7.6453**	**.00070**	**.00341**	**.00115**	**-.00001**
Stddev	5.5668	.02469	6.3923	.00173	.00066	.00019	.00014
%RSD	70.389	98.271	83.611	246.47	19.300	16.961	1000.1
#1	10.726	.02603	1.1976	.00145	.00299	.00096	-.00009
#2	11.503	.04935	7.7574	-.00127	.00417	.00135	.00015
#3	1.4963	.00000	13.981	.00193	.00308	.00113	-.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00015**	**.00022**	**.00002**	**-.00021**	**.00004**
Stddev	.00003	.00073	.00033	.00013	.00003	.00002
%RSD	34.389	483.15	153.38	692.72	14.971	61.134
#1	-.00011	-.00061	.00011	-.00013	-.00022	.00004
#2	-.00005	.00022	-.00005	.00011	-.00018	.00007
#3	-.00008	.00084	.00059	.00007	-.00024	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32869.**	**26959.**
Stddev	28.	85.
%RSD	.08448	.31679
#1	32892.	26969.
#2	32838.	26869.
#3	32878.	27039.

Approved: April 07, 2011

Sample Name: L1103090631 Acquired: 4/6/2011 18:27:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02292**	**160.12**	**.21808**	**.21337**	**1.8846**	**.00564**	**336.51**
Stddev	.00029	.51	.00221	.00373	.0082	.00005	5.76
%RSD	1.2457	.31663	1.0155	1.7486	.43421	.97222	1.7112
#1	.02311	160.51	.21587	.20944	1.8937	.00561	338.65
#2	.02259	160.32	.21806	.21380	1.8825	.00562	340.90
#3	.02306	159.55	.22030	.21686	1.8777	.00571	329.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01401**	**.14037**	**.33844**	**12.046**	**308.54**	**49.843**	**.24346**
Stddev	.00007	.00022	.00111	.027	5.21	.096	.00063
%RSD	.51189	.15630	.32809	.22680	1.6888	.19265	.25904
#1	.01406	.14056	.33861	12.053	302.70	49.918	.24419
#2	.01403	.14013	.33725	12.015	310.22	49.876	.24302
#3	.01392	.14042	.33945	12.069	312.71	49.735	.24318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**114.00**	**5.3953**	**.06390**	**2.5358**	**.26454**	**14.295**	**.74910**
Stddev	.21	.0127	.00006	.0010	.00091	.020	.00183
%RSD	.18827	.23456	.09224	.04093	.34551	.14194	.24401
#1	113.83	5.3853	.06386	2.5368	.26542	14.310	.75120
#2	114.25	5.4096	.06388	2.5347	.26460	14.272	.74814
#3	113.93	5.3911	.06397	2.5358	.26359	14.303	.74795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090631 Acquired: 4/6/2011 18:27:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.258**	F **666.08**	F **-64785.**	**.01779**	**.01291**	**2.5357**	**.04575**
Stddev	3.765	1.93	77.	.00143	.00295	.0040	.00034
%RSD	4.5220	.28907	.11935	8.0345	22.836	.15833	.74927
#1	87.596	667.16	-64874.	.01652	.01596	2.5386	.04595
#2	80.841	663.86	-64745.	.01751	.01270	2.5311	.04536
#3	81.336	667.23	-64735.	.01933	.01007	2.5374	.04595
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3188**	**2.7278**	**.01540**	**.55608**	**1.6923**	**.09388**
Stddev	.0031	.0057	.00043	.00073	.0030	.00037
%RSD	.23129	.20760	2.7969	.13209	.17557	.39554
#1	1.3186	2.7320	.01530	.55646	1.6930	.09430
#2	1.3219	2.7301	.01504	.55524	1.6891	.09368
#3	1.3158	2.7214	.01588	.55655	1.6949	.09364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31082.**	**29385.**
Stddev	79.	111.
%RSD	.25435	.37913
#1	31024.	29308.
#2	31172.	29333.
#3	31050.	29513.

Approved: April 07, 2011

Sample Name: L1103090632 Acquired: 4/6/2011 18:30:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03065**	**174.66**	**.22225**	**.20521**	**2.0943**	^ *****	**353.33**
Stddev	.00045	.42	.00266	.00187	.0056	-----	2.46
%RSD	1.4792	.23950	1.1951	.90964	.26878	-----	.69590
#1	.03075	174.39	.22490	.20537	2.0916	^ -----	353.64
#2	.03016	174.46	.22226	.20327	2.1007	^ -----	355.63
#3	.03105	175.14	.21959	.20699	2.0905	^ -----	350.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01139**	**.13974**	**.33823**	**8.5176**	**292.99**	**47.888**	**.25414**
Stddev	.00012	.00036	.00023	.0259	2.21	.074	.00134
%RSD	1.0387	.25945	.06929	.30367	.75558	.15412	.52671
#1	.01136	.14013	.33814	8.5472	294.94	47.828	.25341
#2	.01129	.13966	.33806	8.4995	290.58	47.971	.25568
#3	.01152	.13942	.33850	8.5061	293.46	47.866	.25332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.18**	**5.5401**	**.03762**	**2.5233**	**.26460**	**12.443**	**.57980**
Stddev	.17	.0020	.00033	.0063	.00081	.028	.00017
%RSD	.14971	.03576	.87295	.24827	.30437	.22098	.02925
#1	116.04	5.5379	.03727	2.5161	.26517	12.475	.57981
#2	116.37	5.5414	.03793	2.5259	.26496	12.426	.57997
#3	116.12	5.5412	.03765	2.5278	.26368	12.428	.57963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090632 Acquired: 4/6/2011 18:30:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.777**	F **580.58**	F **-43128.**	**.01383**	**.00862**	**1.7221**	**.03998**
Stddev	2.743	1.48	114.	.00091	.00048	.0042	.00029
%RSD	3.1973	.25432	.26479	6.5630	5.6094	.24403	.71776
#1	82.753	582.28	-43256.	.01389	.00819	1.7229	.04016
#2	88.104	579.60	-43036.	.01470	.00853	1.7175	.04013
#3	86.473	579.86	-43092.	.01289	.00914	1.7258	.03964
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4613**	**4.2108**	**.01791**	**.57151**	**1.3611**	**.09636**
Stddev	.0029	.0057	.00070	.00205	.0016	.00015
%RSD	.19776	.13490	3.8988	.35806	.11797	.15690
#1	1.4610	4.2042	.01722	.57377	1.3627	.09624
#2	1.4586	4.2138	.01862	.57099	1.3595	.09632
#3	1.4643	4.2143	.01789	.56978	1.3609	.09653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31142.**	**29444.**
Stddev	81.	138.
%RSD	.25882	.46895
#1	31049.	29311.
#2	31193.	29433.
#3	31183.	29587.

Approved: April 07, 2011

Sample Name: L1103090633 Acquired: 4/6/2011 18:34:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02836**	**183.71**	**.28504**	**.19577**	**2.0806**	**.00474**	**323.49**
Stddev	.00056	1.34	.00306	.00084	.0060	.00004	2.74
%RSD	1.9725	.72913	1.0734	.42850	.28692	.76999	.84742
#1	.02771	182.49	.28721	.19481	2.0747	.00475	320.58
#2	.02869	183.49	.28638	.19635	2.0806	.00470	326.02
#3	.02868	185.14	.28155	.19615	2.0866	.00477	323.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01223**	**.14957**	**.36430**	**11.079**	**331.01**	**48.588**	**.27519**
Stddev	.00010	.00050	.00133	.015	.95	.174	.00336
%RSD	.83743	.33101	.36607	.13855	.28832	.35753	1.2198
#1	.01230	.14965	.36344	11.087	329.92	48.442	.27220
#2	.01211	.15002	.36362	11.088	331.71	48.543	.27455
#3	.01228	.14904	.36584	11.061	331.39	48.780	.27883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**124.13**	**5.8867**	**.04290**	**5.1870**	**.27229**	**12.737**	**.74709**
Stddev	.26	.0088	.00039	.0267	.00055	.014	.00267
%RSD	.21301	.14915	.89793	.51395	.20031	.11162	.35743
#1	123.83	5.8768	.04284	5.1649	.27235	12.748	.74944
#2	124.23	5.8894	.04332	5.1794	.27281	12.743	.74765
#3	124.33	5.8937	.04256	5.2166	.27172	12.721	.74418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090633 Acquired: 4/6/2011 18:34:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **70.403**	F **729.69**	F **-85260.**	**.01881**	**.00835**	**2.6099**	**.03456**
Stddev	13.135	2.68	139.	.00099	.00142	.0067	.00063
%RSD	18.657	.36675	.16290	5.2526	16.988	.25608	1.8215
#1	57.630	731.30	-85341.	.01777	.00683	2.6083	.03517
#2	69.707	731.16	-85339.	.01891	.00857	2.6172	.03391
#3	83.873	726.60	-85100.	.01974	.00964	2.6042	.03459
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1433**	**3.7361**	**.01761**	**.59461**	**1.0734**	**.11511**
Stddev	.0054	.0061	.00115	.00068	.0014	.00036
%RSD	.46874	.16244	6.5200	.11395	.12579	.31309
#1	1.1386	3.7305	.01775	.59473	1.0749	.11489
#2	1.1422	3.7353	.01640	.59388	1.0728	.11491
#3	1.1491	3.7425	.01869	.59522	1.0724	.11552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31574.**	**29033.**
Stddev	27.	21.
%RSD	.08508	.07238
#1	31549.	29010.
#2	31571.	29050.
#3	31602.	29040.

Approved: April 07, 2011

Sample Name: L1103090634 Acquired: 4/6/2011 18:37:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02623**	**177.05**	**.26750**	**.24921**	**2.0529**	**.00473**
Stddev	.00036	1.53	.00312	.00368	.0028	.00003
%RSD	1.3566	.86657	1.1675	1.4786	.13519	.61488
#1	.02636	178.72	.26406	.24577	2.0518	.00474
#2	.02651	175.70	.27015	.24877	2.0508	.00475
#3	.02583	176.74	.26828	.25310	2.0561	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**383.82**	**.01586**	**.14574**	**.33879**	**12.097**	**377.91**
Stddev	9.00	.00003	.00030	.00051	.009	5.02
%RSD	2.3445	.18722	.20326	.14966	.07201	1.3279
#1	391.34	.01590	.14559	.33903	12.089	373.04
#2	373.85	.01586	.14608	.33820	12.097	377.64
#3	386.27	.01584	.14555	.33913	12.106	383.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.508**	**.27633**	**118.86**	**5.6255**	**.07332**	**3.9398**
Stddev	.216	.00059	.44	.0138	.00026	.0274
%RSD	.38188	.21231	.37162	.24548	.35259	.69451
#1	56.682	.27684	119.02	5.6365	.07308	3.9706
#2	56.267	.27568	118.36	5.6100	.07359	3.9182
#3	56.576	.27646	119.21	5.6300	.07328	3.9307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090634 Acquired: 4/6/2011 18:37:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25981**	**16.580**	**.63601**	F **77.655**	F **904.10**	F **-109370.**
Stddev	.00072	.010	.00166	3.660	1.60	34.
%RSD	.27618	.06313	.26150	4.7131	.17677	.03139
#1	.25919	16.571	.63410	81.472	904.96	-109390.
#2	.25964	16.578	.63718	74.175	905.08	-109390.
#3	.26059	16.592	.63674	77.317	902.26	-109330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01420**	**.00986**	**2.3844**	**.10218**	**3.9871**	**3.3846**
Stddev	.00138	.00166	.0034	.00040	.0153	.0080
%RSD	9.7176	16.882	.14388	.38690	.38264	.23678
#1	.01419	.00871	2.3842	.10262	3.9731	3.3901
#2	.01283	.01177	2.3879	.10186	4.0034	3.3754
#3	.01559	.00909	2.3810	.10207	3.9848	3.3884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01970**	**.62485**	**2.0502**	**.11840**
Stddev	.00095	.00387	.0021	.00022
%RSD	4.8042	.61893	.10080	.18433
#1	.02048	.62409	2.0478	.11825
#2	.01996	.62904	2.0516	.11865
#3	.01865	.62142	2.0511	.11830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090634 Acquired: 4/6/2011 18:37:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31064.**	**29036.**
Stddev	66.	291.
%RSD	.21305	1.0033
#1	31041.	28781.
#2	31013.	29353.
#3	31139.	28973.

Approved: April 07, 2011

Sample Name: L1103090635 Acquired: 4/6/2011 18:41:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02513**	**162.38**	**.17504**	**.19182**	**2.1580**	**.00399**	**356.75**
Stddev	.00043	.92	.00049	.00321	.0118	.00005	5.73
%RSD	1.7173	.56813	.28027	1.6713	.54666	1.2122	1.6056
#1	.02495	161.32	.17459	.19154	2.1444	.00398	350.29
#2	.02482	162.81	.17557	.19516	2.1646	.00394	361.21
#3	.02562	163.01	.17497	.18877	2.1651	.00404	358.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.13738**	**.32575**	**7.8948**	**298.48**	**47.793**	**.25396**
Stddev	.00008	.00047	.00012	.0260	3.31	.174	.00166
%RSD	.79877	.34012	.03669	.32975	1.1080	.36400	.65288
#1	.00941	.13684	.32577	7.8689	297.02	47.618	.25225
#2	.00951	.13766	.32562	7.8943	302.26	47.796	.25407
#3	.00955	.13765	.32585	7.9210	296.15	47.966	.25556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**121.69**	**5.7848**	**.03895**	**2.3062**	**.27491**	**13.453**	**.35717**
Stddev	.42	.0053	.00020	.0117	.00035	.021	.00132
%RSD	.34367	.09209	.51935	.50646	.12667	.15567	.36862
#1	121.30	5.7800	.03917	2.2932	.27520	13.444	.35655
#2	122.13	5.7905	.03877	2.3097	.27453	13.438	.35628
#3	121.64	5.7838	.03890	2.3158	.27500	13.477	.35869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090635 Acquired: 4/6/2011 18:41:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.097**	F **564.93**	F **-40922.**	**.01138**	**.00882**	**1.6707**	**.02578**
Stddev	7.428	1.65	65.	.00116	.00253	.0076	.00029
%RSD	10.448	.29188	.15825	10.190	28.680	.45761	1.1419
#1	79.264	563.15	-40884.	.01135	.00618	1.6645	.02559
#2	64.741	565.22	-40884.	.01256	.00904	1.6792	.02611
#3	69.287	566.41	-40996.	.01024	.01123	1.6683	.02562
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5306**	**3.5970**	**.01610**	**.55305**	**.91029**	**.07538**
Stddev	.0031	.0061	.00148	.00310	.00052	.00020
%RSD	.20044	.17001	9.1768	.56140	.05665	.27026
#1	1.5273	3.5901	.01643	.55088	.90970	.07536
#2	1.5311	3.6018	.01738	.55166	.91046	.07559
#3	1.5333	3.5990	.01448	.55660	.91069	.07518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31229.**	**28596.**
Stddev	30.	130.
%RSD	.09485	.45325
#1	31263.	28559.
#2	31216.	28488.
#3	31209.	28740.

Approved: April 07, 2011

Sample Name: L1103090636 Acquired: 4/6/2011 18:45:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01025**	**183.96**	**.11696**	**.19022**	**1.8230**	**.00913**
Stddev	.00082	.63	.00122	.00485	.0026	.00006
%RSD	8.0275	.34181	1.0464	2.5520	.14445	.60617
#1	.00930	183.34	.11837	.18476	1.8259	.00906
#2	.01075	183.96	.11628	.19182	1.8225	.00914
#3	.01070	184.59	.11623	.19406	1.8207	.00917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**161.52**	**.00627**	**.12179**	**.26657**	**5.2665**	**301.54**
Stddev	.36	.00011	.00013	.00144	.0101	6.20
%RSD	.22005	1.7694	.10372	.53983	.19125	2.0566
#1	161.22	.00637	.12165	.26547	5.2712	294.60
#2	161.43	.00615	.12189	.26604	5.2550	303.48
#3	161.91	.00630	.12184	.26820	5.2734	306.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.193**	**.25282**	**101.11**	**5.4992**	**.04105**	**10.923**
Stddev	.114	.00120	.11	.0107	.00024	.068
%RSD	.23755	.47608	.10566	.19434	.57628	.62536
#1	48.064	.25308	101.03	5.4884	.04106	10.852
#2	48.230	.25388	101.07	5.4995	.04081	10.930
#3	48.284	.25151	101.23	5.5098	.04128	10.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090636 Acquired: 4/6/2011 18:45:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21951**	**8.6096**	**.29202**	F **77.269**	F **616.48**	F **-101100.**
Stddev	.00065	.0111	.00164	2.274	1.54	79.
%RSD	.29547	.12856	.56302	2.9431	.24950	.07856
#1	.22026	8.6207	.29191	75.157	616.60	-101090.
#2	.21918	8.5986	.29043	79.676	614.88	-101190.
#3	.21910	8.6095	.29372	76.974	617.95	-101040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.00562**	**1.9075**	**.02053**	**.71464**	**1.2947**
Stddev	.00172	.00124	.0056	.00017	.00229	.0008
%RSD	18.094	22.003	.29157	.81873	.32063	.06492
#1	.01131	.00669	1.9120	.02072	.71250	1.2941
#2	.00789	.00591	1.9092	.02042	.71435	1.2943
#3	.00927	.00426	1.9013	.02045	.71706	1.2956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01266**	**.44950**	**.96961**	**.11994**
Stddev	.00152	.00238	.00133	.00102
%RSD	11.982	.53002	.13740	.84873
#1	.01217	.44769	.96975	.11888
#2	.01436	.44861	.96822	.12002
#3	.01144	.45220	.97087	.12091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090636 Acquired: 4/6/2011 18:45:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31883.**	**28833.**
Stddev	61.	91.
%RSD	.19163	.31691
#1	31856.	28811.
#2	31953.	28934.
#3	31840.	28755.

Approved: April 07, 2011

Sample Name: L1103090637 Acquired: 4/6/2011 18:48:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01834**	**147.30**	**.13331**	**.24634**	**1.8275**	**.00517**	**143.83**
Stddev	.00024	.40	.00205	.00213	.0049	.00001	.36
%RSD	1.3197	.27361	1.5381	.86633	.26637	.27922	.24988
#1	.01862	147.53	.13566	.24697	1.8329	.00517	144.05
#2	.01824	146.84	.13241	.24396	1.8235	.00516	143.42
#3	.01817	147.54	.13186	.24808	1.8261	.00519	144.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01217**	**.11646**	**.39872**	**2.4793**	**334.06**	**41.186**	**.21465**
Stddev	.00005	.00079	.00133	.0113	1.68	.061	.00151
%RSD	.38850	.67949	.33422	.45403	.50219	.14871	.70487
#1	.01212	.11736	.39722	2.4909	335.45	41.211	.21306
#2	.01220	.11617	.39917	2.4786	332.20	41.116	.21481
#3	.01219	.11586	.39977	2.4684	334.52	41.231	.21607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.022**	**4.9134**	**.02769**	**6.3594**	**.24593**	**11.685**	**1.4192**
Stddev	.035	.0043	.00015	.0030	.00101	.017	.0018
%RSD	.03811	.08833	.55321	.04728	.41149	.14121	.12452
#1	92.013	4.9115	.02778	6.3594	.24595	11.703	1.4182
#2	91.992	4.9103	.02778	6.3565	.24692	11.678	1.4212
#3	92.061	4.9184	.02752	6.3625	.24490	11.673	1.4182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090637 Acquired: 4/6/2011 18:48:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **64.898**	F **324.35**	F **-38697.**	**.01559**	**.00421**	**2.2748**	**.09678**
Stddev	7.523	1.26	50.	.00224	.00102	.0081	.00031
%RSD	11.592	.38930	.12997	14.389	24.269	.35490	.32498
#1	71.111	325.73	-38720.	.01731	.00385	2.2822	.09714
#2	67.051	324.09	-38732.	.01641	.00537	2.2759	.09665
#3	56.534	323.24	-38640.	.01306	.00342	2.2661	.09655
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62701**	**2.4373**	**.01659**	**.56709**	**3.2775**	**.09972**
Stddev	.00165	.0039	.00067	.00181	.0025	.00013
%RSD	.26295	.15835	4.0272	.31910	.07560	.12952
#1	.62694	2.4372	.01626	.56849	3.2775	.09958
#2	.62540	2.4335	.01736	.56773	3.2800	.09977
#3	.62869	2.4412	.01616	.56505	3.2750	.09982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32014.**	**28686.**
Stddev	72.	74.
%RSD	.22406	.25898
#1	31932.	28606.
#2	32043.	28699.
#3	32066.	28752.

Approved: April 07, 2011

Sample Name: L1103090638 Acquired: 4/6/2011 18:52:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01557**	**190.72**	**.08770**	**.20053**	**2.0837**	**.00818**	**198.32**
Stddev	.00050	1.52	.00101	.00331	.0077	.00002	1.27
%RSD	3.2049	.79788	1.1499	1.6489	.37132	.28109	.63789
#1	.01516	191.35	.08688	.20255	2.0923	.00818	199.25
#2	.01543	188.98	.08883	.20233	2.0812	.00816	196.88
#3	.01612	191.82	.08739	.19672	2.0775	.00820	198.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00722**	**.12638**	**.41112**	**1.2750**	**332.55**	**51.692**	**.24418**
Stddev	.00014	.00045	.00144	.0041	3.48	.218	.00220
%RSD	1.9532	.35489	.35049	.31893	1.0476	.42221	.90283
#1	.00738	.12601	.41258	1.2705	334.95	51.859	.24668
#2	.00714	.12626	.41107	1.2763	334.16	51.446	.24252
#3	.00714	.12688	.40970	1.2783	328.56	51.772	.24335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**108.87**	**5.5301**	**.01422**	**10.306**	**.27172**	**9.1865**	**1.0165**
Stddev	.19	.0103	.00022	.057	.00091	.0243	.0034
%RSD	.17671	.18582	1.5189	.55662	.33549	.26493	.33465
#1	109.06	5.5365	.01397	10.323	.27102	9.1584	1.0147
#2	108.67	5.5182	.01432	10.242	.27139	9.1993	1.0144
#3	108.90	5.5355	.01436	10.353	.27275	9.2017	1.0205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090638 Acquired: 4/6/2011 18:52:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **81.684**	F **423.19**	F **-47272.**	**.01625**	**.00279**	**2.3213**	**.06656**
Stddev	3.235	1.25	78.	.00030	.00346	.0040	.00013
%RSD	3.9601	.29424	.16469	1.8387	123.81	.17049	.18870
#1	78.166	421.86	-47188.	.01657	.00567	2.3195	.06655
#2	84.530	423.39	-47343.	.01597	.00375	2.3259	.06644
#3	82.356	424.32	-47284.	.01620	-.00104	2.3186	.06669
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82348**	**2.2975**	**.01561**	**.56523**	**1.5141**	**.11357**
Stddev	.00533	.0043	.00103	.00202	.0030	.00012
%RSD	.64682	.18811	6.5943	.35748	.19751	.10624
#1	.82597	2.3005	.01673	.56338	1.5110	.11359
#2	.81736	2.2926	.01542	.56493	1.5143	.11369
#3	.82710	2.2995	.01469	.56739	1.5170	.11345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31834.**	**29200.**
Stddev	42.	167.
%RSD	.13176	.57120
#1	31867.	29009.
#2	31849.	29314.
#3	31787.	29278.

Approved: April 07, 2011

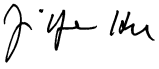
Sample Name: L1103090639 Acquired: 4/6/2011 18:55:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02682**	**185.98**	**.14976**	**.26933**	**2.3890**	**.00447**
Stddev	.00081	.28	.00078	.00104	.0060	.00002
%RSD	3.0273	.14798	.52233	.38689	.25004	.35115
#1	.02774	185.93	.15061	.26861	2.3824	.00447
#2	.02619	185.73	.14962	.27053	2.3940	.00449
#3	.02653	186.28	.14907	.26886	2.3906	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**296.48**	**.01781**	**.12696**	**.43577**	**3.4937**	**332.40**
Stddev	1.36	.00005	.00046	.00432	.0139	.74
%RSD	.45751	.25998	.36538	.99200	.39840	.22232
#1	296.85	.01776	.12653	.43185	3.4794	332.24
#2	297.61	.01786	.12745	.44040	3.5072	333.21
#3	294.97	.01781	.12689	.43505	3.4944	331.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.035**	**.24339**	**110.94**	**5.2535**	**.03071**	**18.970**
Stddev	.026	.00066	.12	.0027	.00013	.015
%RSD	.04496	.26954	.10674	.05060	.42456	.08049
#1	58.005	.24355	110.84	5.2505	.03066	18.982
#2	58.055	.24266	111.07	5.2550	.03085	18.953
#3	58.044	.24395	110.92	5.2551	.03060	18.975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090639 Acquired: 4/6/2011 18:55:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28074**	**18.946**	**8.6380**	F **82.729**	F **968.06**	F **-142480.**
Stddev	.00039	.041	.0232	5.176	4.67	206.
%RSD	.13820	.21733	.26909	6.2562	.48221	.14489
#1	.28117	18.907	8.6126	87.511	963.35	-142490.
#2	.28059	18.989	8.6583	77.234	972.68	-142670.
#3	.28044	18.942	8.6431	83.443	968.14	-142260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02547**	**.00348**	**2.6338**	**.22431**	**1.0448**	**3.6776**
Stddev	.00058	.00047	.0058	.00061	.0019	.0034
%RSD	2.2861	13.396	.21868	.27165	.18464	.09232
#1	.02611	.00375	2.6293	.22362	1.0435	3.6737
#2	.02535	.00294	2.6403	.22476	1.0439	3.6789
#3	.02496	.00375	2.6318	.22456	1.0470	3.6801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01790**	**.57604**	**5.5535**	**.11656**
Stddev	.00083	.00074	.0126	.00031
%RSD	4.6140	.12903	.22701	.26481
#1	.01852	.57519	5.5397	.11648
#2	.01696	.57635	5.5644	.11690
#3	.01822	.57657	5.5564	.11630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090639 Acquired: 4/6/2011 18:55:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31374.**	**29359.**
Stddev	101.	185.
%RSD	.32077	.62949
#1	31485.	29166.
#2	31289.	29377.
#3	31347.	29534.

Approved: April 07, 2011

Sample Name: L1103090640 Acquired: 4/6/2011 18:59:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02124**	**178.62**	**.09610**	**.24670**	**2.2685**	**.00722**
Stddev	.00088	1.27	.00119	.00332	.0095	.00003
%RSD	4.1417	.70864	1.2405	1.3475	.42080	.40876
#1	.02113	177.27	.09747	.24430	2.2579	.00719
#2	.02218	179.79	.09544	.25050	2.2764	.00725
#3	.02043	178.80	.09538	.24531	2.2712	.00722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**202.48**	**.01377**	**.12753**	**.42895**	**2.4709**	**317.08**
Stddev	1.39	.00006	.00022	.00109	.0044	5.82
%RSD	.68446	.42179	.16952	.25344	.17924	1.8362
#1	200.98	.01379	.12777	.42771	2.4755	312.14
#2	203.71	.01381	.12736	.42946	2.4703	323.50
#3	202.74	.01370	.12745	.42969	2.4667	315.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.375**	**.23719**	**107.34**	**5.7080**	**.02246**	**20.785**
Stddev	.322	.00048	.80	.0230	.00021	.100
%RSD	.60352	.20343	.74092	.40372	.95416	.47945
#1	53.011	.23670	106.43	5.6821	.02268	20.692
#2	53.625	.23720	107.89	5.7261	.02225	20.890
#3	53.487	.23766	107.70	5.7158	.02245	20.772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090640 Acquired: 4/6/2011 18:59:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28736**	**16.056**	**4.5170**	F **70.837**	F **762.67**	F **-120780.**
Stddev	.00046	.034	.0020	5.212	3.19	212.
%RSD	.15920	.21274	.04404	7.3581	.41889	.17545
#1	.28762	16.094	4.5152	75.958	766.36	-121020.
#2	.28762	16.044	4.5191	71.015	760.86	-120620.
#3	.28683	16.029	4.5166	65.538	760.80	-120710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**.00404**	**2.2337**	**.12125**	**.84825**	**2.3883**
Stddev	.00137	.00076	.0091	.00038	.00422	.0116
%RSD	6.8238	18.723	.40930	.31493	.49749	.48441
#1	.02137	.00441	2.2441	.12124	.84418	2.3763
#2	.02001	.00454	2.2270	.12164	.85260	2.3994
#3	.01864	.00317	2.2299	.12087	.84797	2.3893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01453**	**.53763**	**3.3591**	**.11413**
Stddev	.00149	.00155	.0057	.00034
%RSD	10.268	.28811	.17080	.29953
#1	.01296	.53586	3.3537	.11375
#2	.01471	.53875	3.3651	.11441
#3	.01593	.53828	3.3585	.11424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090640 Acquired: 4/6/2011 18:59:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31645.**	**28944.**
Stddev	57.	262.
%RSD	.18012	.90520
#1	31671.	29234.
#2	31580.	28724.
#3	31685.	28875.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 19:02:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44785	9.2762	.43028	.52991	.95363	.05224	9.3140
Stddev	.00209	.0401	.00168	.00073	.00201	.00009	.0405
%RSD	.46605	.43278	.39125	.13815	.21030	.17796	.43503
#1	.44922	9.2304	.42834	.52955	.95183	.05216	9.2708
#2	.44888	9.3052	.43122	.53075	.95579	.05221	9.3511
#3	.44545	9.2929	.43129	.52943	.95328	.05234	9.3201
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05438	.21984	.51854	.54905	3.8694	48.197	.97676
Stddev	.00015	.00063	.00227	.00152	.0083	.080	.00147
%RSD	.27380	.28671	.43720	.27705	.21450	.16619	.15090
#1	.05422	.21941	.51617	.54749	3.8608	48.114	.97541
#2	.05441	.21954	.51875	.54915	3.8774	48.274	.97833
#3	.05451	.22056	.52069	.55052	3.8701	48.202	.97654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.019	.50622	.98337	47.353	.53002	F -.00007	.54064
Stddev	.026	.00018	.00185	.129	.00107	.00176	.00038
%RSD	.25497	.03587	.18823	.27152	.20126	2367.7	.06942
#1	9.9896	.50602	.98139	47.219	.52892	-.00108	.54023
#2	10.036	.50629	.98505	47.364	.53105	-.00109	.54075
#3	10.032	.50636	.98367	47.475	.53009	.00196	.54095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 19:02:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.331**	**10.943**	F **17.571**	**1.3131**	**.43508**	F **.01939**	**1.0775**
Stddev	5.420	.064	3.841	.0042	.00383	.00134	.0030
%RSD	47.827	.58594	21.859	.31739	.87927	6.9287	.27605
#1	6.6365	10.887	16.207	1.3089	.43095	.01792	1.0742
#2	10.095	10.929	21.907	1.3132	.43579	.01968	1.0781
#3	17.262	11.013	14.598	1.3172	.43851	.02056	1.0801
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95514**	**.99748**	F **.55378**	**1.0668**	**1.0436**	F **.00090**
Stddev	.00173	.00155	.00250	.0023	.0025	.00013
%RSD	.18068	.15578	.45111	.21140	.24314	14.196
#1	.95318	.99667	.55092	1.0679	1.0409	.00079
#2	.95642	.99928	.55556	1.0683	1.0459	.00104
#3	.95583	.99650	.55485	1.0642	1.0439	.00086
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32131.**	**27430.**
Stddev	71.	129.
%RSD	.22124	.46907
#1	32184.	27567.
#2	32159.	27409.
#3	32050.	27313.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:06:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.02447**	**.00026**	**-.00228**	**-.00014**	**.00004**	**-.00939**
Stddev	.00052	.01085	.00058	.00059	.00012	.00001	.00146
%RSD	247.23	44.348	223.19	25.959	84.369	22.386	15.547
#1	.00080	-.01427	.00037	-.00161	-.00012	.00005	-.00781
#2	-.00003	-.03587	.00078	-.00250	-.00003	.00003	-.00965
#3	-.00015	-.02326	-.00037	-.00273	-.00027	.00004	-.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00005**	**-.00009**	**-.00008**	**-.00094**	**.18570**	**.00016**
Stddev	.00002	.00021	.00017	.00053	.00256	.02209	.00057
%RSD	582.32	399.96	181.08	656.25	273.39	11.893	362.84
#1	-.00002	-.00025	.00010	-.00067	.00031	.19473	.00061
#2	.00002	-.00007	-.00016	.00007	-.00388	.20184	.00033
#3	.00002	.00016	-.00021	.00035	.00076	.16053	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00958**	**-.00027**	**.00006**	**.02135**	**.00006**	**-.00188**	**-.00089**
Stddev	.01595	.00016	.00014	.00258	.00009	.00157	.00008
%RSD	166.43	60.830	222.07	12.098	165.90	83.637	9.0170
#1	.00256	-.00017	-.00001	.02125	.00008	-.00034	-.00080
#2	-.00165	-.00018	.00023	.01882	-.00005	-.00181	-.00096
#3	.02784	-.00045	-.00003	.02398	.00013	-.00348	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:06:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.278**	F **.04587**	F **-5.4184**	**-.00037**	**.00161**	**-.00028**	**-.00025**
Stddev	8.125	.00350	3.5608	.00113	.00109	.00004	.00014
%RSD	72.041	7.6314	65.716	305.95	67.771	13.780	56.588
#1	18.992	.04208	-2.8503	-.00102	.00198	-.00032	-.00027
#2	12.047	.04654	-3.9218	-.00103	.00248	-.00025	-.00038
#3	2.7965	.04898	-9.4832	.00094	.00038	-.00027	-.00010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00058**	**-.00083**	**-.00020**	**-.00014**	**.00001**
Stddev	.00001	.00108	.00133	.00020	.00003	.00005
%RSD	14.467	184.95	159.62	100.97	20.324	653.69
#1	-.00007	.00135	-.00161	-.00008	-.00016	.00007
#2	-.00009	.00105	.00070	-.00008	-.00016	-.00001
#3	-.00007	-.00065	-.00159	-.00043	-.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32594.**	**27136.**
Stddev	129.	130.
%RSD	.39683	.47831
#1	32740.	27147.
#2	32495.	27002.
#3	32547.	27261.

Approved: April 07, 2011

Sample Name: L1103090641 Acquired: 4/6/2011 19:09:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02329**	**173.50**	**.09658**	**.19408**	**1.9879**	**.00731**	**163.39**
Stddev	.00057	1.30	.00071	.00132	.0131	.00003	1.15
%RSD	2.4474	.74727	.73195	.67918	.66099	.43324	.70140
#1	.02300	174.47	.09597	.19557	1.9976	.00734	164.30
#2	.02293	174.00	.09735	.19307	1.9931	.00731	163.77
#3	.02395	172.02	.09641	.19360	1.9729	.00728	162.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00914**	**.12749**	**.39374**	**2.5744**	**328.29**	**49.236**	**.23368**
Stddev	.00002	.00058	.00123	.0107	2.16	.317	.00061
%RSD	.24980	.45878	.31360	.41521	.65888	.64305	.26177
#1	.00916	.12801	.39499	2.5846	330.57	49.484	.23297
#2	.00915	.12686	.39252	2.5633	326.27	49.345	.23396
#3	.00912	.12759	.39371	2.5752	328.04	48.880	.23409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**108.06**	**5.5459**	**.02132**	**2.8148**	**.27810**	**10.085**	**1.3816**
Stddev	.50	.0158	.00028	.0105	.00096	.029	.0057
%RSD	.46566	.28559	1.3098	.37404	.34396	.28798	.41649
#1	108.22	5.5434	.02155	2.8245	.27914	10.116	1.3880
#2	108.46	5.5629	.02101	2.8163	.27792	10.058	1.3768
#3	107.50	5.5316	.02140	2.8036	.27725	10.081	1.3801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090641 Acquired: 4/6/2011 19:09:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.408**	F **250.88**	F **-18071.**	**.02762**	**.00403**	**2.5820**	**.16356**
Stddev	6.954	.63	24.	.00146	.00417	.0065	.00040
%RSD	9.7379	.25247	.13463	5.2689	103.59	.25206	.24314
#1	74.933	251.58	-18099.	.02601	.00861	2.5894	.16391
#2	63.398	250.36	-18062.	.02885	.00046	2.5769	.16366
#3	75.893	250.69	-18053.	.02801	.00301	2.5799	.16313
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76281**	**2.2593**	**.01529**	**.53921**	**1.6751**	**.10302**
Stddev	.00311	.0075	.00125	.00033	.0043	.00038
%RSD	.40785	.33002	8.1912	.06171	.25568	.36475
#1	.76572	2.2631	.01484	.53906	1.6800	.10319
#2	.76319	2.2640	.01432	.53959	1.6719	.10259
#3	.75953	2.2507	.01670	.53898	1.6735	.10329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31807.**	**28529.**
Stddev	114.	457.
%RSD	.35979	1.6025
#1	31678.	28136.
#2	31899.	28419.
#3	31842.	29031.

Approved: April 07, 2011

Sample Name: L1103090642 Acquired: 4/6/2011 19:13:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02187**	**197.89**	**.07893**	**.21154**	**2.0113**	**.00593**	**121.65**
Stddev	.00050	1.30	.00148	.00174	.0101	.00003	.72
%RSD	2.2642	.65526	1.8756	.82042	.50139	.43011	.59325
#1	.02232	199.19	.07749	.21220	2.0229	.00593	122.37
#2	.02196	196.60	.08045	.21285	2.0059	.00595	120.93
#3	.02134	197.87	.07884	.20957	2.0051	.00590	121.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**.12766**	**.43803**	**.81559**	**351.04**	**50.004**	**.23447**
Stddev	.00013	.00076	.00161	.00699	2.53	.216	.00115
%RSD	2.4099	.59569	.36767	.85763	.71950	.43233	.48885
#1	.00542	.12683	.43732	.80793	352.47	50.239	.23569
#2	.00521	.12782	.43689	.81720	352.53	49.813	.23342
#3	.00520	.12833	.43987	.82164	348.13	49.962	.23430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**107.28**	**5.4207**	**.01179**	**4.1862**	**.28007**	**7.3791**	**.47528**
Stddev	.21	.0083	.00024	.0230	.00137	.0236	.00133
%RSD	.19137	.15375	2.0015	.54910	.49065	.31912	.28002
#1	107.52	5.4302	.01152	4.2010	.27889	7.3607	.47375
#2	107.14	5.4144	.01188	4.1597	.27972	7.3709	.47617
#3	107.19	5.4175	.01197	4.1979	.28158	7.4056	.47591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090642 Acquired: 4/6/2011 19:13:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **95.588**	F **172.46**	F **-10017.**	**.00701**	**.00251**	**2.0569**	**.02991**
Stddev	7.862	.88	24.	.00123	.00361	.0108	.00013
%RSD	8.2254	.50994	.24027	17.553	144.03	.52460	.44775
#1	104.43	171.60	-9994.2	.00743	.00626	2.0457	.03000
#2	92.932	172.43	-10016.	.00563	.00222	2.0578	.02975
#3	89.397	173.35	-10042.	.00798	-.00095	2.0672	.02997
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62367**	**3.4373**	**.01952**	**.61750**	**.98022**	**.11238**
Stddev	.00314	.0116	.00071	.00208	.00361	.00023
%RSD	.50388	.33785	3.6164	.33636	.36817	.20057
#1	.62634	3.4504	.01914	.61533	.97650	.11256
#2	.62021	3.4281	.02033	.61771	.98043	.11212
#3	.62445	3.4335	.01908	.61947	.98371	.11245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32238.**	**29556.**
Stddev	87.	207.
%RSD	.26955	.70167
#1	32330.	29319.
#2	32225.	29646.
#3	32158.	29704.

Approved: April 07, 2011

Sample Name: L1103090643 Acquired: 4/6/2011 19:16:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03198**	**207.88**	**.12228**	**.22125**	**2.8503**	^ *****	**433.93**
Stddev	.00033	.84	.00125	.00249	.0084	-----	7.39
%RSD	1.0419	.40585	1.0186	1.1245	.29589	-----	1.7037
#1	.03232	208.66	.12370	.22401	2.8554	^ -----	439.55
#2	.03197	208.01	.12180	.21918	2.8549	^ -----	425.56
#3	.03166	206.98	.12135	.22057	2.8405	^ -----	436.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01798**	**.13750**	**.40480**	**5.7908**	**310.49**	**64.801**	**.28481**
Stddev	.00005	.00032	.00235	.0263	2.56	.116	.00116
%RSD	.26419	.22950	.58002	.45504	.82587	.17974	.40573
#1	.01803	.13775	.40446	5.8092	313.34	64.874	.28394
#2	.01796	.13761	.40730	5.8026	308.36	64.863	.28612
#3	.01794	.13715	.40264	5.7606	309.78	64.667	.28437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.29**	**5.6135**	**.02966**	**2.5299**	**.29516**	**16.651**	**2.6874**
Stddev	.16	.0047	.00015	.0130	.00036	.064	.0079
%RSD	.12720	.08344	.50148	.51237	.12222	.38207	.29238
#1	125.10	5.6088	.02958	2.5337	.29519	16.705	2.6916
#2	125.39	5.6134	.02983	2.5406	.29551	16.668	2.6921
#3	125.37	5.6182	.02956	2.5155	.29479	16.581	2.6783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090643 Acquired: 4/6/2011 19:16:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.757**	F **650.93**	F **-37879.**	**.02237**	**.00421**	**1.4908**	**.11006**
Stddev	8.194	2.42	95.	.00110	.00108	.0055	.00095
%RSD	9.3371	.37104	.25192	4.9050	25.687	.36797	.86309
#1	95.322	651.85	-37962.	.02149	.00377	1.4952	.11113
#2	88.897	652.75	-37901.	.02201	.00341	1.4925	.10973
#3	79.053	648.19	-37775.	.02360	.00544	1.4847	.10931
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1685**	**4.1240**	**.01640**	**.55695**	**3.6011**	**.13278**
Stddev	.0051	.0047	.00018	.00235	.0076	.00089
%RSD	.23365	.11444	1.0839	.42254	.21008	.67112
#1	2.1737	4.1289	.01622	.55826	3.6037	.13315
#2	2.1682	4.1234	.01639	.55835	3.6069	.13344
#3	2.1636	4.1195	.01658	.55423	3.5925	.13177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31472.**	**29870.**
Stddev	97.	49.
%RSD	.30914	.16420
#1	31460.	29815.
#2	31382.	29889.
#3	31575.	29907.

Approved: April 07, 2011

Sample Name: L1103090644 Acquired: 4/6/2011 19:20:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02935**	**187.03**	**.13656**	**.22266**	**3.3915**	**.00507**	**374.92**
Stddev	.00056	3.54	.00132	.00757	.0777	.00002	3.86
%RSD	1.9023	1.8901	.96429	3.3990	2.2921	.42254	1.0307
#1	.02974	190.84	.13701	.22846	3.4797	.00507	379.36
#2	.02871	183.85	.13508	.21410	3.3332	.00505	373.10
#3	.02960	186.42	.13760	.22543	3.3615	.00509	372.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02217**	**.14002**	**.42792**	**5.0411**	**318.80**	**58.581**	**.25975**
Stddev	.00011	.00023	.00122	.0051	12.57	1.173	.00687
%RSD	.50641	.16481	.28460	.10161	3.9430	2.0031	2.6440
#1	.02230	.13978	.42699	5.0394	328.25	59.885	.26754
#2	.02209	.14024	.42747	5.0469	304.53	57.611	.25458
#3	.02211	.14005	.42930	5.0371	323.61	58.248	.25714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.03**	**6.4177**	**.03812**	**3.9400**	**.28603**	**18.562**	**2.7460**
Stddev	2.60	.1406	.00005	.0669	.00108	.034	.0010
%RSD	2.2057	2.1908	.14334	1.6972	.37594	.18195	.03524
#1	120.93	6.5770	.03812	4.0164	.28659	18.558	2.7471
#2	115.88	6.3110	.03818	3.8923	.28671	18.597	2.7452
#3	117.29	6.3651	.03807	3.9113	.28479	18.530	2.7456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090644 Acquired: 4/6/2011 19:20:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.635**	F **556.61**	F **-33443.**	**.02203**	**.00977**	**1.9308**	**.17251**
Stddev	8.589	.54	45.	.00065	.00094	.0013	.00037
%RSD	9.1729	.09674	.13588	2.9723	9.5813	.06915	.21265
#1	83.815	556.73	-33496.	.02221	.01012	1.9301	.17286
#2	99.745	557.08	-33414.	.02257	.00871	1.9323	.17213
#3	97.346	556.02	-33420.	.02130	.01048	1.9300	.17253
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5721**	**3.4241**	**.01671**	**.55587**	**5.3488**	**.09583**
Stddev	.0320	.0729	.00118	.00148	.0025	.00081
%RSD	2.0341	2.1289	7.0731	.26640	.04637	.84943
#1	1.6079	3.5074	.01807	.55658	5.3513	.09631
#2	1.5466	3.3719	.01614	.55417	5.3485	.09489
#3	1.5617	3.3930	.01591	.55686	5.3464	.09629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31587.**	**29567.**
Stddev	51.	594.
%RSD	.16197	2.0096
#1	31554.	28912.
#2	31561.	30071.
#3	31646.	29717.

Approved: April 07, 2011

Sample Name: L1103090645S Acquired: 4/6/2011 19:23:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23992**	**199.20**	**.33025**	**.24075**	**3.2632**	^ *****	**382.62**
Stddev	.00127	.55	.00209	.00183	.0127	-----	5.48
%RSD	.52953	.27683	.63176	.75915	.39009	-----	1.4330
#1	.24060	199.46	.33207	.24145	3.2735	^ -----	376.65
#2	.24071	199.58	.33071	.23867	3.2490	^ -----	387.42
#3	.23846	198.57	.32798	.24212	3.2672	^ -----	383.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04665**	**.13986**	**.43906**	**5.4379**	**328.69**	**60.826**	**.26664**
Stddev	.00009	.00055	.00151	.0155	.31	.089	.00092
%RSD	.19329	.39575	.34334	.28498	.09524	.14710	.34427
#1	.04667	.13946	.44007	5.4285	329.03	60.900	.26566
#2	.04673	.14049	.43732	5.4558	328.41	60.727	.26676
#3	.04655	.13962	.43978	5.4295	328.65	60.853	.26748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**121.24**	**6.1502**	**.03472**	**3.9780**	**.29197**	**18.698**	**2.8366**
Stddev	.14	.0081	.00014	.0134	.00056	.017	.0059
%RSD	.11752	.13189	.39686	.33771	.19112	.09196	.20835
#1	121.19	6.1529	.03457	3.9768	.29195	18.688	2.8298
#2	121.13	6.1567	.03476	3.9920	.29253	18.717	2.8401
#3	121.40	6.1411	.03484	3.9652	.29142	18.687	2.8399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090645S Acquired: 4/6/2011 19:23:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **86.853**	F **562.58**	F **-33037.**	**.02165**	**.00783**	**1.5768**	**.17195**
Stddev	6.705	1.13	4.	.00206	.00229	.0023	.00053
%RSD	7.7196	.20141	.01103	9.5317	29.289	.14718	.30537
#1	79.993	562.61	-33040.	.02275	.00573	1.5753	.17192
#2	93.390	563.70	-33038.	.01927	.00748	1.5795	.17248
#3	87.176	561.44	-33033.	.02292	.01028	1.5757	.17143
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5990**	**4.5839**	**.01969**	**.59349**	**5.4021**	**.10161**
Stddev	.0044	.0037	.00121	.00137	.0081	.00029
%RSD	.27386	.08093	6.1357	.23006	.14917	.28884
#1	1.6020	4.5881	.01845	.59406	5.3963	.10170
#2	1.6009	4.5822	.01977	.59449	5.4113	.10128
#3	1.5939	4.5813	.02086	.59194	5.3987	.10185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31550.**	**29632.**
Stddev	82.	20.
%RSD	.26088	.06661
#1	31565.	29610.
#2	31461.	29641.
#3	31624.	29646.

Approved: April 07, 2011

Sample Name: L1103090646SD Acquired: 4/6/2011 19:27:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23211**	**187.98**	**.33032**	**.22598**	**3.2385**	**.00473**	**379.66**
Stddev	.00101	1.07	.00091	.00334	.0096	.00004	7.94
%RSD	.43571	.57070	.27562	1.4762	.29647	.86192	2.0917
#1	.23223	188.23	.33073	.22296	3.2467	.00475	374.57
#2	.23306	186.80	.33096	.22542	3.2280	.00475	375.60
#3	.23105	188.90	.32928	.22956	3.2408	.00468	388.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04650**	**.13911**	**.43032**	**5.4075**	**320.14**	**59.537**	**.26087**
Stddev	.00009	.00077	.00107	.0093	4.99	.215	.00107
%RSD	.18639	.55472	.24810	.17221	1.5573	.36042	.41171
#1	.04645	.13890	.43151	5.4041	315.06	59.603	.26186
#2	.04660	.13997	.42945	5.4180	320.34	59.298	.26103
#3	.04645	.13847	.42999	5.4004	325.02	59.712	.25973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.72**	**6.1654**	**.03259**	**3.9139**	**.29297**	**18.394**	**3.0845**
Stddev	.57	.0175	.00025	.0223	.00040	.026	.0066
%RSD	.47598	.28345	.76471	.56973	.13685	.14310	.21313
#1	119.37	6.1571	.03274	3.9165	.29335	18.399	3.0786
#2	119.42	6.1536	.03230	3.8904	.29302	18.418	3.0916
#3	120.38	6.1854	.03272	3.9348	.29255	18.366	3.0832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090646SD Acquired: 4/6/2011 19:27:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **103.34**	F **568.35**	F **-33051.**	**.02336**	**.00866**	**2.4455**	**.16827**
Stddev	6.22	1.52	37.	.00365	.00077	.0041	.00042
%RSD	6.0236	.26810	.11333	15.643	8.8717	.16602	.25050
#1	107.37	568.63	-33071.	.02452	.00791	2.4488	.16836
#2	106.48	569.72	-33074.	.02630	.00944	2.4467	.16864
#3	96.167	566.71	-33008.	.01927	.00864	2.4410	.16781
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5926**	**3.6814**	**.01707**	**.58295**	**5.3824**	**.09807**
Stddev	.0052	.0090	.00071	.00125	.0083	.00059
%RSD	.32345	.24562	4.1515	.21364	.15440	.60280
#1	1.5962	3.6879	.01746	.58151	5.3750	.09768
#2	1.5867	3.6710	.01749	.58357	5.3914	.09778
#3	1.5950	3.6852	.01625	.58376	5.3808	.09875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31521.**	**29983.**
Stddev	64.	286.
%RSD	.20261	.95450
#1	31528.	29983.
#2	31454.	30269.
#3	31581.	29697.

Approved: April 07, 2011

Sample Name: L1103090647 Acquired: 4/6/2011 19:31:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01981**	**167.70**	**.16062**	**.25253**	**2.0316**	**.00599**
Stddev	.00026	.87	.00070	.00217	.0066	.00002
%RSD	1.3060	.51892	.43299	.85962	.32474	.40531
#1	.02005	167.44	.16100	.25022	2.0369	.00600
#2	.01954	167.00	.16104	.25286	2.0242	.00596
#3	.01984	168.68	.15982	.25453	2.0336	.00601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**332.01**	**.01777**	**.12283**	**.41707**	**4.1096**	**321.49**
Stddev	6.85	.00009	.00007	.00469	.0046	4.58
%RSD	2.0625	.50365	.05905	1.1253	.11210	1.4231
#1	324.46	.01769	.12274	.42085	4.1096	317.56
#2	333.73	.01776	.12287	.41855	4.1142	320.40
#3	337.83	.01787	.12286	.41182	4.1050	326.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.896**	**.23793**	**108.04**	**5.0427**	**.03833**	**17.492**
Stddev	.104	.00186	.14	.0076	.00002	.061
%RSD	.19028	.78244	.13364	.15115	.05949	.34739
#1	54.863	.24004	108.13	5.0390	.03836	17.438
#2	54.813	.23652	107.88	5.0376	.03832	17.481
#3	55.013	.23723	108.12	5.0515	.03832	17.558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090647 Acquired: 4/6/2011 19:31:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27811**	**18.775**	**11.052**	F **89.329**	F **861.75**	F **-113240.**
Stddev	.00069	.028	.005	6.118	1.39	142.
%RSD	.24702	.14669	.04869	6.8490	.16159	.12559
#1	.27782	18.789	11.052	82.302	861.73	-113400.
#2	.27889	18.794	11.058	93.468	863.15	-113210.
#3	.27761	18.744	11.047	92.218	860.37	-113120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02753**	**.00555**	**3.8517**	**.18301**	**1.0335**	**2.6101**
Stddev	.00100	.00110	.0062	.00100	.0040	.0023
%RSD	3.6256	19.779	.16151	.54511	.38501	.08899
#1	.02803	.00678	3.8541	.18260	1.0314	2.6095
#2	.02638	.00519	3.8563	.18414	1.0311	2.6082
#3	.02818	.00467	3.8446	.18228	1.0381	2.6127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01549**	**.55211**	**6.5361**	**.10911**
Stddev	.00057	.00174	.0057	.00076
%RSD	3.7068	.31476	.08720	.69266
#1	.01615	.55408	6.5388	.10976
#2	.01511	.55142	6.5398	.10929
#3	.01521	.55081	6.5295	.10828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090647 Acquired: 4/6/2011 19:31:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31540.**	**29264.**
Stddev	23.	126.
%RSD	.07319	.43208
#1	31514.	29118.
#2	31547.	29337.
#3	31558.	29337.

Approved: April 07, 2011

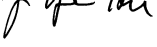
Sample Name: CCV Acquired: 4/6/2011 19:34:51 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43734**	**9.4582**	**.42684**	**.52507**	**.96757**	**.05169**	**9.4836**
Stddev	.00116	.0318	.00209	.00052	.00066	.00016	.0317
%RSD	.26535	.33568	.49068	.09823	.06856	.31587	.33473
#1	.43796	9.4268	.42572	.52452	.96690	.05185	9.4553
#2	.43806	9.4903	.42554	.52553	.96823	.05169	9.5179
#3	.43600	9.4575	.42926	.52518	.96758	.05152	9.4775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05384**	**.21708**	**.51606**	**.54363**	**3.9289**	**48.824**	**.98738**
Stddev	.00007	.00051	.00217	.00111	.0113	.104	.00295
%RSD	.13426	.23291	.42123	.20355	.28696	.21263	.29898
#1	.05379	.21665	.51672	.54247	3.9230	48.729	.98399
#2	.05381	.21697	.51363	.54377	3.9419	48.935	.98942
#3	.05392	.21764	.51782	.54467	3.9217	48.807	.98872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.109**	**.50786**	**.98727**	**47.853**	**.52785**	F **-.00078**	**.53884**
Stddev	.044	.00065	.00107	.159	.00116	.00158	.00184
%RSD	.43096	.12756	.10885	.33144	.21888	201.91	.34105
#1	10.099	.50717	.98845	47.672	.52673	-.00261	.53886
#2	10.157	.50795	.98701	47.968	.52778	.00015	.54066
#3	10.072	.50846	.98635	47.919	.52904	.00011	.53699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011



Sample Name: CCV Acquired: 4/6/2011 19:34:51 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.969**	**10.903**	F **18.603**	**1.3059**	**.42985**	F **.01777**	**1.0712**
Stddev	6.332	.040	4.801	.0071	.00347	.00050	.0014
%RSD	37.315	.36335	25.805	.54613	.80813	2.8227	.13365
#1	22.154	10.889	15.448	1.2980	.42665	.01762	1.0697
#2	9.9119	10.872	16.233	1.3078	.42934	.01736	1.0713
#3	18.841	10.948	24.128	1.3118	.43354	.01833	1.0725
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96631**	**1.0032**	**.54788**	**1.0502**	**1.0329**	F **.00081**
Stddev	.00205	.0015	.00278	.0031	.0008	.00011
%RSD	.21200	.14944	.50725	.29655	.08128	13.155
#1	.96397	1.0016	.54469	1.0526	1.0328	.00092
#2	.96781	1.0045	.54912	1.0514	1.0321	.00079
#3	.96713	1.0035	.54981	1.0467	1.0338	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32664.**	**27325.**
Stddev	42.	212.
%RSD	.12932	.77520
#1	32666.	27544.
#2	32704.	27121.
#3	32620.	27310.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:38:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.02421**	**-.00073**	**-.00261**	**-.00039**	**.00003**	**-.00580**
Stddev	.00039	.00481	.00053	.00032	.00006	.00001	.00822
%RSD	423.07	19.885	72.429	12.125	15.373	14.751	141.70
#1	-.00033	-.02067	-.00116	-.00297	-.00045	.00003	-.01349
#2	.00042	-.02969	-.00091	-.00251	-.00038	.00004	-.00678
#3	.00019	-.02226	-.00014	-.00237	-.00033	.00003	.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00005**	**-.00012**	**-.00066**	**-.00095**	**.19313**	**.00157**
Stddev	.00006	.00007	.00031	.00032	.00144	.03678	.00078
%RSD	122.09	159.80	261.48	48.230	150.83	19.047	49.887
#1	.00011	-.00001	.00024	-.00101	.00068	.23063	.00135
#2	-.00002	-.00013	-.00024	-.00062	-.00154	.19165	.00092
#3	.00007	.00000	-.00036	-.00037	-.00200	.15710	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**-.00016**	**-.00003**	**.02552**	**.00006**	**-.00270**	**-.00060**
Stddev	.00859	.00020	.00011	.00477	.00032	.00144	.00137
%RSD	83.882	128.55	329.63	18.698	542.64	53.506	228.60
#1	.01917	-.00039	.00005	.02762	.00038	-.00208	-.00193
#2	.00204	-.00002	.00000	.02006	.00007	-.00435	.00082
#3	.00949	-.00007	-.00016	.02888	-.00026	-.00166	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:38:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.688**	F **.01116**	F **-3.4043**	**-.00021**	**.00124**	**-.00011**	**.00014**
Stddev	5.543	.01353	7.0645	.00136	.00096	.00112	.00015
%RSD	24.433	121.21	207.52	643.89	77.253	1045.4	108.11
#1	20.404	-.00372	3.7625	-.00044	.00103	-.00011	.00010
#2	18.651	.01447	-10.362	.00125	.00041	-.00122	.00001
#3	29.009	.02272	-3.6133	-.00144	.00229	.00101	.00030
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00115**	**-.00052**	**-.00021**	**-.00016**	**-.00003**
Stddev	.00010	.00057	.00043	.00025	.00006	.00006
%RSD	128.36	49.873	83.872	119.30	37.731	181.25
#1	.00002	.00179	-.00086	-.00050	-.00012	.00002
#2	-.00008	.00098	-.00067	-.00001	-.00012	-.00002
#3	-.00017	.00068	-.00003	-.00012	-.00022	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33221.**	**27617.**
Stddev	4.	300.
%RSD	.01101	1.0869
#1	33225.	27278.
#2	33219.	27851.
#3	33218.	27721.

Approved: April 07, 2011

Sample Name: PBS 1P Acquired: 4/6/2011 19:41:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.02080**	**-.00208**	**-.00253**	**.00023**	**.00004**	**.06277**
Stddev	.00009	.01384	.00094	.00036	.00018	.00001	.00810
%RSD	45.930	66.513	45.436	14.147	77.333	20.387	12.909
#1	-.00013	-.03489	-.00102	-.00256	.00008	.00005	.07176
#2	-.00028	-.00723	-.00284	-.00287	.00043	.00005	.05602
#3	-.00014	-.02030	-.00238	-.00215	.00018	.00003	.06053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00034**	**.00055**	**-.00032**	**.02911**	**.37219**	**.00076**
Stddev	.00005	.00013	.00018	.00038	.00155	.01950	.00199
%RSD	25.261	38.042	32.072	118.79	5.3100	5.2385	261.54
#1	.00013	-.00019	.00075	-.00037	.02925	.35255	.00098
#2	.00019	-.00041	.00047	.00008	.02750	.37249	.00264
#3	.00023	-.00041	.00043	-.00068	.03058	.39154	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02091**	**.00010**	**.00002**	**.08153**	**.00228**	F **-.01027**	**-.00026**
Stddev	.00635	.00021	.00014	.00578	.00025	.00210	.00138
%RSD	30.378	211.17	593.53	7.0896	11.166	20.403	522.10
#1	.01541	.00000	-.00004	.07714	.00200	-.01259	-.00114
#2	.01944	.00034	.00018	.07937	.00249	-.00850	.00132
#3	.02786	-.00004	-.00008	.08808	.00236	-.00974	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 1P Acquired: 4/6/2011 19:41:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.905**	**5.7226**	F **-1223.9**	**.00214**	**.00322**	**.00859**	**.00028**
Stddev	16.899	.0543	7.8	.00084	.00142	.00112	.00005
%RSD	54.679	.94827	.63649	39.059	44.280	13.012	17.634
#1	29.816	5.6988	-1222.1	.00282	.00377	.00967	.00034
#2	48.322	5.6842	-1217.1	.00240	.00428	.00744	.00026
#3	14.578	5.7846	-1232.4	.00121	.00160	.00865	.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00040**	**-.00163**	**-.00019**	**.00214**	**.00006**
Stddev	.00000	.00076	.00032	.00026	.00002	.00001
%RSD	1.9400	191.70	19.904	136.95	.85787	16.332
#1	.00008	-.00048	-.00141	.00006	.00216	.00005
#2	.00008	.00083	-.00200	-.00017	.00212	.00005
#3	.00009	.00085	-.00148	-.00045	.00213	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32380.**	**27626.**
Stddev	51.	124.
%RSD	.15670	.44976
#1	32408.	27648.
#2	32410.	27738.
#3	32321.	27492.

Approved: April 07, 2011

Sample Name: LCSS 1P Acquired: 4/6/2011 19:45:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20852**	**-.02823**	**.20122**	**-.00286**	**.00016**	**.00006**	**.02813**
Stddev	.00179	.00645	.00069	.00070	.00015	.00001	.00205
%RSD	.85855	22.848	.34538	24.587	95.118	20.312	7.2701
#1	.20767	-.03321	.20181	-.00367	.00028	.00005	.02637
#2	.21057	-.02094	.20045	-.00244	.00022	.00005	.02765
#3	.20731	-.03054	.20140	-.00247	-.00001	.00007	.03038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02579**	**-.00027**	**.00059**	**.27114**	**.01128**	**.12558**	**.00157**
Stddev	.00002	.00005	.00042	.00007	.00248	.00608	.00113
%RSD	.06889	18.154	70.698	.02642	21.951	4.8418	72.092
#1	.02577	-.00030	.00012	.27120	.01119	.12600	.00041
#2	.02581	-.00030	.00073	.27106	.01381	.11929	.00162
#3	.02579	-.00021	.00092	.27115	.00886	.13143	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01308**	**.25944**	**.00002**	**.07317**	**.00062**	F **-.00787**	**.27362**
Stddev	.00608	.00045	.00012	.00437	.00027	.00162	.00084
%RSD	46.503	.17200	543.94	5.9710	44.612	20.607	.30761
#1	.01954	.25904	.00015	.07122	.00031	-.00793	.27267
#2	.00747	.25936	.00000	.07011	.00069	-.00945	.27393
#3	.01222	.25992	-.00008	.07818	.00084	-.00621	.27427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 1P Acquired: 4/6/2011 19:45:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **32.269**	**.21399**	F **-30.697**	**.00215**	**.00111**	**.00787**	**.00033**
Stddev	8.013	.00660	.285	.00091	.00086	.00045	.00011
%RSD	24.832	3.0860	.92990	42.372	77.523	5.7699	32.701
#1	28.006	.22120	-30.549	.00267	.00012	.00764	.00038
#2	27.289	.21253	-30.517	.00268	.00153	.00840	.00021
#3	41.513	.20823	-31.026	.00110	.00167	.00758	.00042
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00085**	**-.00140**	**-.00015**	**.00314**	**-.00002**
Stddev	.00008	.00042	.00090	.00023	.00004	.00014
%RSD	2297.1	50.105	64.089	147.97	1.2636	686.60
#1	.00010	.00078	-.00178	-.00020	.00309	-.00014
#2	-.00006	.00130	-.00038	.00009	.00315	-.00004
#3	-.00002	.00046	-.00205	-.00035	.00317	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32420.**	**27525.**
Stddev	73.	112.
%RSD	.22380	.40848
#1	32411.	27434.
#2	32353.	27491.
#3	32497.	27651.

Approved: April 07, 2011

Sample Name: L1103090648 Acquired: 4/6/2011 19:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**91.682**	**.15172**	**.17274**	**1.2126**	**.00696**	**167.34**
Stddev	.00060	.141	.00100	.00078	.0022	.00002	.32
%RSD	6.0320	.15326	.65875	.45055	.17986	.28148	.19039
#1	.01009	91.653	.15195	.17353	1.2141	.00694	167.56
#2	.01032	91.835	.15063	.17272	1.2135	.00697	167.50
#3	.00919	91.558	.15259	.17197	1.2101	.00696	166.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.10671**	**.29081**	**6.9660**	**210.98**	**32.464**	**.17045**
Stddev	.00003	.00005	.00226	.0232	.35	.067	.00040
%RSD	.31869	.04997	.77743	.33230	.16730	.20712	.23613
#1	.00958	.10673	.29248	6.9914	211.09	32.464	.17091
#2	.00964	.10675	.29170	6.9607	211.27	32.531	.17026
#3	.00962	.10665	.28823	6.9460	210.59	32.397	.17018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.313**	**4.6621**	**.10683**	**5.6658**	**.20113**	**20.877**	**1.2076**
Stddev	.238	.0044	.00030	.0150	.00069	.041	.0028
%RSD	.30397	.09472	.27666	.26413	.34362	.19608	.22842
#1	78.228	4.6589	.10717	5.6606	.20191	20.916	1.2100
#2	78.582	4.6671	.10662	5.6827	.20058	20.881	1.2083
#3	78.129	4.6602	.10671	5.6541	.20092	20.834	1.2046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090648 Acquired: 4/6/2011 19:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **79.285**	F **433.83**	F **-57347.**	**.01622**	**.00843**	**1.5931**	**.07264**
Stddev	3.704	1.51	43.	.00145	.00071	.0047	.00023
%RSD	4.6711	.34709	.07478	8.9372	8.4406	.29809	.32310
#1	78.913	435.49	-57338.	.01660	.00805	1.5893	.07244
#2	83.160	433.44	-57394.	.01744	.00925	1.5916	.07257
#3	75.781	432.56	-57310.	.01462	.00799	1.5985	.07289
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75826**	**.91564**	**.00761**	**.33095**	**2.4528**	**.04827**
Stddev	.00090	.00160	.00033	.00148	.0065	.00035
%RSD	.11856	.17529	4.2855	.44778	.26635	.71705
#1	.75900	.91626	.00724	.33262	2.4600	.04830
#2	.75852	.91684	.00778	.33045	2.4510	.04861
#3	.75726	.91382	.00782	.32978	2.4473	.04791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32213.**	**29319.**
Stddev	135.	224.
%RSD	.41863	.76378
#1	32063.	29233.
#2	32253.	29150.
#3	32323.	29573.

Approved: April 07, 2011

Sample Name: L1103090701 Acquired: 4/6/2011 19:52:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02024**	**90.773**	**.11375**	**.12974**	**1.6823**	**.00757**	**231.58**
Stddev	.00018	.109	.00117	.00076	.0015	.00003	.18
%RSD	.86605	.12000	1.0293	.58270	.08828	.41495	.07586
#1	.02031	90.699	.11295	.12939	1.6807	.00758	231.68
#2	.02038	90.898	.11321	.12922	1.6836	.00760	231.68
#3	.02005	90.723	.11510	.13061	1.6826	.00754	231.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**.10344**	**.27314**	**1.8472**	**171.35**	**28.910**	**.16237**
Stddev	.00001	.00081	.00132	.0017	.33	.005	.00112
%RSD	.12845	.78657	.48482	.09265	.19040	.01697	.68977
#1	.00671	.10407	.27225	1.8483	171.20	28.906	.16112
#2	.00671	.10252	.27466	1.8452	171.12	28.909	.16327
#3	.00672	.10372	.27251	1.8480	171.72	28.915	.16273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**73.718**	**4.7321**	**.03202**	**15.547**	**.20688**	**13.426**	**.56811**
Stddev	.230	.0074	.00032	.023	.00096	.016	.00199
%RSD	.31215	.15674	.98673	.14668	.46408	.11752	.34955
#1	73.786	4.7363	.03203	15.560	.20790	13.431	.56812
#2	73.461	4.7235	.03170	15.560	.20600	13.408	.56612
#3	73.906	4.7365	.03234	15.520	.20673	13.438	.57009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701 Acquired: 4/6/2011 19:52:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.329**	F **412.61**	F **-35597.**	**.01608**	**.00827**	**1.6073**	**.04807**
Stddev	3.385	.29	30.	.00124	.00218	.0037	.00037
%RSD	4.3216	.06929	.08415	7.7211	26.362	.23207	.76131
#1	74.544	412.60	-35631.	.01701	.00716	1.6104	.04789
#2	79.377	412.33	-35587.	.01467	.00686	1.6032	.04782
#3	81.066	412.90	-35574.	.01655	.01078	1.6083	.04849
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87892**	**.71546**	**.00612**	**.29358**	**1.1480**	**.05368**
Stddev	.00190	.00090	.00037	.00016	.0005	.00020
%RSD	.21652	.12546	6.1092	.05305	.04634	.36976
#1	.87996	.71454	.00641	.29368	1.1486	.05380
#2	.88007	.71552	.00625	.29366	1.1475	.05380
#3	.87672	.71633	.00569	.29340	1.1479	.05345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31910.**	**29678.**
Stddev	33.	210.
%RSD	.10199	.70597
#1	31873.	29470.
#2	31926.	29889.
#3	31932.	29676.

Approved: April 07, 2011

Sample Name: L1103090701PS Acquired: 4/6/2011 19:55:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360965-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23342**	**86.770**	**.30592**	**1.0761**	**1.9829**	**.03261**	**214.65**
Stddev	.00048	.552	.00191	.0042	.0091	.00008	1.19
%RSD	.20604	.63596	.62339	.39058	.45832	.25619	.55425
#1	.23360	86.491	.30712	1.0728	1.9827	.03264	214.03
#2	.23288	86.414	.30372	1.0747	1.9739	.03252	213.90
#3	.23379	87.406	.30692	1.0808	1.9921	.03268	216.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03162**	**.19378**	**.49271**	**1.9066**	**157.09**	**49.349**	**.62019**
Stddev	.00007	.00024	.00118	.0033	.70	.195	.00242
%RSD	.22733	.12351	.23909	.17328	.44690	.39600	.39016
#1	.03155	.19375	.49251	1.9072	157.07	49.219	.61843
#2	.03169	.19356	.49165	1.9030	156.39	49.253	.61918
#3	.03163	.19404	.49398	1.9096	157.80	49.573	.62295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**71.215**	**4.5105**	**.51822**	**37.439**	**.42982**	**12.219**	**.74886**
Stddev	.297	.0094	.00008	.195	.00033	.015	.00051
%RSD	.41683	.20744	.01598	.51986	.07581	.11935	.06809
#1	71.014	4.5012	.51831	37.253	.43011	12.220	.74943
#2	71.076	4.5104	.51817	37.425	.42947	12.204	.74867
#3	71.556	4.5199	.51817	37.641	.42987	12.233	.74847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701PS Acquired: 4/6/2011 19:55:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360965-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.035**	F **376.33**	F **-32485.**	**.61284**	**.20779**	**4.0038**	**.04366**
Stddev	1.230	.82	55.	.00157	.00283	.0067	.00062
%RSD	1.7320	.21772	.16989	.25681	1.3618	.16675	1.4227
#1	70.625	376.04	-32469.	.61243	.20685	4.0062	.04414
#2	70.062	375.69	-32440.	.61151	.20555	3.9962	.04296
#3	72.418	377.25	-32547.	.61458	.21097	4.0089	.04389
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2565**	**1.1182**	**.24401**	**.78918**	**1.5125**	**.04906**
Stddev	.0054	.0031	.00108	.00227	.0028	.00020
%RSD	.42675	.27855	.44264	.28736	.18708	.40939
#1	1.2519	1.1154	.24500	.78773	1.5108	.04894
#2	1.2554	1.1177	.24286	.78803	1.5110	.04895
#3	1.2624	1.1216	.24416	.79180	1.5158	.04930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31936.**	**29459.**
Stddev	24.	125.
%RSD	.07546	.42583
#1	31952.	29406.
#2	31948.	29602.
#3	31909.	29368.

Approved: April 07, 2011

Sample Name: L1103090701SDL Acquired: 4/6/2011 19:58:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00387**	**18.740**	**.02493**	**.02684**	**.33970**	**.00154**	**48.401**
Stddev	.00080	.175	.00064	.00044	.00109	.00001	.279
%RSD	20.533	.93547	2.5481	1.6425	.32039	.49447	.57659
#1	.00309	18.638	.02470	.02708	.34027	.00155	48.235
#2	.00468	18.640	.02444	.02633	.33844	.00154	48.245
#3	.00385	18.943	.02565	.02710	.34037	.00154	48.723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.02231**	**.05725**	**.40012**	**35.962**	**6.1756**	**.03453**
Stddev	.00007	.00012	.00007	.00033	.121	.0171	.00080
%RSD	4.7304	.52421	.13086	.08265	.33634	.27745	2.3306
#1	.00145	.02237	.05734	.40042	35.903	6.1772	.03499
#2	.00136	.02218	.05721	.40017	35.882	6.1578	.03360
#3	.00149	.02238	.05721	.39976	36.101	6.1919	.03500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.010**	**1.0018**	**.00631**	**3.2054**	**.04485**	**2.9732**	**.12850**
Stddev	.088	.0042	.00012	.0215	.00041	.0029	.00108
%RSD	.54896	.42342	1.8546	.66919	.92423	.09706	.83855
#1	15.928	.99808	.00619	3.1999	.04533	2.9761	.12729
#2	15.999	1.0010	.00633	3.1872	.04464	2.9704	.12888
#3	16.103	1.0064	.00642	3.2291	.04458	2.9733	.12935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

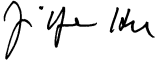
Sample Name: L1103090701SDL Acquired: 4/6/2011 19:58:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.200**	F **94.449**	F **-7816.4**	**.00189**	**.00197**	**.34476**	**.01027**
Stddev	8.003	.354	20.2	.00072	.00072	.00114	.00035
%RSD	27.407	.37472	.25854	37.930	36.622	.33077	3.3847
#1	33.506	94.811	-7797.8	.00268	.00134	.34587	.00987
#2	34.128	94.431	-7813.6	.00168	.00275	.34481	.01040
#3	19.966	94.104	-7837.9	.00130	.00181	.34359	.01053
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17936**	**.14823**	**.00255**	**.06015**	**.24947**	**.01048**
Stddev	.00131	.00066	.00042	.00019	.00037	.00015
%RSD	.73252	.44740	16.470	.31887	.14964	1.4593
#1	.17876	.14890	.00221	.06019	.24979	.01051
#2	.17845	.14822	.00302	.06032	.24906	.01062
#3	.18086	.14758	.00243	.05994	.24957	.01032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33349.**	**29026.**
Stddev	49.	475.
%RSD	.14609	1.6382
#1	33293.	29477.
#2	33375.	29072.
#3	33380.	28529.

Approved: April 07, 2011



Sample Name: L1103090701SDL Acquired: 4/6/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**3.8138**	**.00612**	**.00305**	**.06732**	**.00031**	**9.7915**
Stddev	.00068	.0273	.00070	.00063	.00019	.00002	.0260
%RSD	84.882	.71524	11.370	20.799	.28177	5.3617	.26509
#1	.00052	3.7970	.00582	.00265	.06741	.00029	9.7781
#2	.00157	3.7992	.00691	.00272	.06710	.00032	9.7750
#3	.00030	3.8453	.00562	.00378	.06745	.00031	9.8214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00459**	**.01101**	**.08123**	**7.1718**	**1.3349**	**.00643**
Stddev	.00008	.00013	.00034	.00019	.0193	.0059	.00087
%RSD	44.418	2.9213	3.0852	.23947	.26865	.44393	13.567
#1	.00013	.00474	.01140	.08102	7.1522	1.3281	.00558
#2	.00026	.00448	.01082	.08125	7.1727	1.3391	.00640
#3	.00012	.00454	.01081	.08141	7.1907	1.3376	.00732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2704**	**.20304**	**.00094**	**.66838**	**.00860**	**.59628**	**.02593**
Stddev	.0027	.00031	.00004	.00222	.00028	.00254	.00067
%RSD	.08195	.15270	3.8144	.33188	3.2462	.42641	2.5836
#1	3.2677	.20268	.00097	.67088	.00828	.59657	.02648
#2	3.2730	.20322	.00094	.66665	.00881	.59361	.02518
#3	3.2703	.20321	.00090	.66761	.00871	.59867	.02612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701SDL Acquired: 4/6/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **20.294**	F **19.499**	F **-1560.0**	**-.00019**	**.00021**	**.06569**	**.00156**
Stddev	6.664	.111	5.8	.00108	.00128	.00090	.00026
%RSD	32.838	.56938	.37142	581.60	617.27	1.3648	16.556
#1	12.715	19.616	-1562.3	-.00070	.00094	.06585	.00139
#2	22.927	19.484	-1553.5	-.00090	-.00127	.06650	.00143
#3	25.239	19.395	-1564.4	.00105	.00096	.06473	.00186
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03643**	**.03008**	**.00125**	**.01154**	**.05099**	**.00157**
Stddev	.00012	.00071	.00093	.00027	.00004	.00007
%RSD	.32817	2.3663	74.717	2.3658	.07100	4.5135
#1	.03639	.03019	.00228	.01181	.05095	.00165
#2	.03633	.02932	.00100	.01153	.05102	.00152
#3	.03656	.03073	.00046	.01126	.05101	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33883.**	**28132.**
Stddev	75.	98.
%RSD	.22098	.34730
#1	33796.	28236.
#2	33928.	28115.
#3	33924.	28043.

Approved: April 07, 2011

Sample Name: L1103090702 Acquired: 4/6/2011 20:05:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00717**	**111.32**	**.07066**	**.10667**	**2.0761**	**.00738**	**544.57**
Stddev	.00028	.71	.00150	.00006	.0022	.00002	2.54
%RSD	3.9222	.64040	2.1264	.05642	.10515	.32706	.46600
#1	.00715	110.55	.07195	.10670	2.0741	.00737	546.60
#2	.00690	111.43	.07101	.10671	2.0756	.00740	541.73
#3	.00747	111.96	.06901	.10660	2.0784	.00735	545.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00642**	**.11763**	**.23898**	**1.3351**	**203.44**	**32.077**	**.20171**
Stddev	.00007	.00041	.00144	.0028	.42	.134	.00132
%RSD	1.0989	.35023	.60369	.20686	.20818	.41714	.65313
#1	.00635	.11804	.23919	1.3381	202.95	31.932	.20190
#2	.00643	.11764	.24030	1.3342	203.67	32.104	.20030
#3	.00649	.11721	.23744	1.3328	203.70	32.195	.20292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.30**	**5.1752**	**.01192**	**1.4754**	**.24045**	**12.128**	**.43188**
Stddev	.47	.0190	.00013	.0099	.00076	.031	.00032
%RSD	.46755	.36787	1.1062	.66992	.31503	.25202	.07299
#1	100.76	5.1533	.01184	1.4646	.24076	12.161	.43161
#2	101.62	5.1878	.01184	1.4776	.23959	12.124	.43182
#3	101.53	5.1844	.01207	1.4840	.24100	12.100	.43223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090702 Acquired: 4/6/2011 20:05:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.507**	F **719.55**	F **-23353.**	**.00900**	**.00402**	**1.9894**	**.02118**
Stddev	1.761	.57	84.	.00151	.00045	.0018	.00046
%RSD	2.1088	.07878	.36173	16.778	11.106	.09220	2.1840
#1	82.457	720.00	-23451.	.00741	.00428	1.9875	.02151
#2	85.540	719.74	-23305.	.00918	.00427	1.9912	.02138
#3	82.524	718.92	-23304.	.01042	.00350	1.9896	.02065
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3484**	**1.1106**	**.00905**	**.36490**	**1.0761**	**.06880**
Stddev	.0070	.0036	.00056	.00161	.0017	.00034
%RSD	.51809	.31965	6.2216	.44082	.16070	.49427
#1	1.3407	1.1065	.00969	.36307	1.0747	.06891
#2	1.3502	1.1126	.00863	.36609	1.0780	.06907
#3	1.3544	1.1128	.00883	.36555	1.0754	.06842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30525.**	**28713.**
Stddev	73.	143.
%RSD	.24077	.49829
#1	30515.	28666.
#2	30457.	28599.
#3	30603.	28874.

Approved: April 07, 2011

Sample Name: L1103090703 Acquired: 4/6/2011 20:09:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00643**	**130.90**	**.07321**	**.11942**	**2.0530**	**.00918**	**485.29**
Stddev	.00013	.50	.00052	.00129	.0088	.00003	2.57
%RSD	1.9896	.37952	.71053	1.0782	.42618	.35423	.53024
#1	.00640	130.47	.07371	.11832	2.0441	.00921	482.74
#2	.00632	130.79	.07323	.12084	2.0616	.00917	485.24
#3	.00657	131.45	.07267	.11910	2.0532	.00915	487.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00513**	**.12304**	**.29700**	**.89260**	**240.26**	**36.142**	**.21259**
Stddev	.00011	.00022	.00117	.00197	1.10	.084	.00137
%RSD	2.1651	.17833	.39447	.22116	.45622	.23172	.64482
#1	.00502	.12293	.29692	.89474	239.26	36.045	.21124
#2	.00513	.12291	.29821	.89220	241.43	36.183	.21398
#3	.00524	.12330	.29587	.89085	240.09	36.196	.21256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**107.32**	**5.1567**	**.00964**	**1.5564**	**.25993**	**11.498**	**.27890**
Stddev	.24	.0035	.00013	.0102	.00041	.006	.00104
%RSD	.22787	.06806	1.3422	.65278	.15742	.05093	.37259
#1	107.03	5.1527	.00949	1.5647	.25996	11.504	.27999
#2	107.46	5.1583	.00973	1.5451	.25950	11.492	.27881
#3	107.46	5.1592	.00971	1.5593	.26032	11.498	.27791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090703 Acquired: 4/6/2011 20:09:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **80.420**	F **612.03**	F **-16664.**	**.00783**	**.00464**	**1.5115**	**.01343**
Stddev	3.600	.51	19.	.00201	.00117	.0062	.00015
%RSD	4.4762	.08413	.11538	25.686	25.276	.41285	1.1050
#1	76.288	612.24	-16655.	.00979	.00528	1.5110	.01352
#2	82.091	612.41	-16686.	.00791	.00536	1.5055	.01350
#3	82.881	611.45	-16652.	.00578	.00329	1.5180	.01326
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2810**	**.91682**	**.01030**	**.43548**	**.82883**	**.07277**
Stddev	.0025	.00195	.00176	.00038	.00097	.00018
%RSD	.19532	.21261	17.093	.08795	.11699	.24154
#1	1.2807	.91467	.00957	.43539	.82772	.07264
#2	1.2786	.91731	.01231	.43590	.82949	.07297
#3	1.2836	.91848	.00902	.43515	.82928	.07270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30964.**	**29352.**
Stddev	40.	77.
%RSD	.12995	.26128
#1	30927.	29281.
#2	30959.	29342.
#3	31007.	29434.

Approved: April 07, 2011

Sample Name: L1103090704 Acquired: 4/6/2011 20:13:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02432**	**121.84**	**.12106**	**.16235**	**1.9233**	**.00840**	**238.52**
Stddev	.00037	.50	.00180	.00238	.0081	.00006	1.01
%RSD	1.5097	.40926	1.4840	1.4683	.42114	.72733	.42412
#1	.02397	121.63	.11936	.15971	1.9183	.00835	238.07
#2	.02429	121.49	.12294	.16298	1.9190	.00838	237.80
#3	.02470	122.41	.12088	.16435	1.9327	.00847	239.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.12124**	**.36004**	**2.0525**	**224.73**	**36.732**	**.20853**
Stddev	.00007	.00071	.00391	.0112	2.29	.119	.00042
%RSD	1.0265	.58951	1.0864	.54766	1.0195	.32499	.20289
#1	.00704	.12051	.35632	2.0408	222.09	36.660	.20807
#2	.00706	.12129	.35969	2.0534	225.94	36.666	.20863
#3	.00693	.12194	.36412	2.0633	226.16	36.870	.20890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**93.072**	**5.1093**	**.03341**	**16.178**	**.25457**	**13.189**	**.57232**
Stddev	.301	.0059	.00029	.026	.00086	.037	.00244
%RSD	.32386	.11508	.86432	.16045	.33840	.27706	.42716
#1	92.761	5.1027	.03326	16.180	.25386	13.152	.56949
#2	93.091	5.1114	.03374	16.151	.25433	13.189	.57369
#3	93.363	5.1139	.03323	16.203	.25553	13.225	.57377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090704 Acquired: 4/6/2011 20:13:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.148**	F **432.93**	F **-39915.**	**.01739**	**.00838**	**1.4708**	**.06300**
Stddev	5.202	2.25	134.	.00201	.00174	.0059	.00032
%RSD	5.8349	.52062	.33673	11.559	20.749	.40127	.51576
#1	94.591	430.53	-39776.	.01591	.00695	1.4640	.06264
#2	84.227	433.25	-39924.	.01968	.00788	1.4742	.06327
#3	88.626	435.00	-40045.	.01659	.01032	1.4742	.06309
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96031**	**1.0070**	**.00881**	**.38789**	**1.2592**	**.07136**
Stddev	.00227	.0024	.00143	.00104	.0020	.00099
%RSD	.23654	.23300	16.238	.26788	.15694	1.3911
#1	.96070	1.0043	.00784	.38696	1.2570	.07038
#2	.95786	1.0082	.01045	.38901	1.2599	.07134
#3	.96235	1.0085	.00813	.38769	1.2608	.07237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31797.**	**29851.**
Stddev	24.	63.
%RSD	.07479	.20968
#1	31805.	29880.
#2	31816.	29894.
#3	31770.	29779.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:16:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44909	9.4264	.43445	.53549	.96532	.05269	9.4493
Stddev	.00085	.0399	.00116	.00339	.00115	.00001	.0343
%RSD	.18976	.42356	.26793	.63218	.11940	.01268	.36262
#1	.44971	9.4049	.43551	.53928	.96416	.05268	9.4138
#2	.44812	9.4725	.43463	.53442	.96534	.05270	9.4821
#3	.44945	9.4018	.43320	.53276	.96647	.05269	9.4520
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05484	F .22117	.52358	F .55445	3.9129	48.617	.98571
Stddev	.00015	.00050	.00114	.00093	.0032	.145	.00085
%RSD	.27985	.22384	.21740	.16773	.08287	.29770	.08667
#1	.05489	.22127	.52438	.55530	3.9098	48.489	.98661
#2	.05467	.22161	.52407	.55461	3.9162	48.774	.98490
#3	.05496	.22063	.52227	.55346	3.9128	48.589	.98564
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.20000		.50000			
Range		10.000%		10.000%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.084	.50935	.99395	47.774	.53501	F .00192	.54527
Stddev	.031	.00052	.00066	.195	.00021	.00135	.00083
%RSD	.30265	.10161	.06656	.40829	.03926	70.376	.15289
#1	10.054	.50940	.99412	47.633	.53495	.00080	.54536
#2	10.115	.50985	.99322	47.997	.53525	.00154	.54606
#3	10.082	.50882	.99451	47.692	.53484	.00342	.54439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:16:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8078**	F **11.064**	F **21.112**	F **1.3227**	**.43786**	F **.01935**	**1.0869**
Stddev	4.0944	.080	3.560	.0064	.00296	.00091	.0012
%RSD	41.746	.72471	16.864	.48144	.67504	4.7007	.11412
#1	11.568	11.063	19.190	1.3204	.44105	.01856	1.0881
#2	5.1276	11.144	18.926	1.3299	.43734	.02034	1.0869
#3	12.728	10.984	25.220	1.3178	.43521	.01914	1.0856
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value		10.000	10.000	1.2000		5.0000	
Range		10.000%	10.000%	10.000%		-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96580**	**1.0057**	F **.55680**	**1.0738**	**1.0517**	F **.00076**
Stddev	.00325	.0015	.00285	.0019	.0009	.00008
%RSD	.33654	.14540	.51188	.17787	.08314	11.105
#1	.96334	1.0041	.55822	1.0758	1.0514	.00080
#2	.96949	1.0070	.55865	1.0737	1.0527	.00067
#3	.96458	1.0059	.55351	1.0720	1.0510	.00082
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31836.**	**27461.**
Stddev	22.	250.
%RSD	.06869	.91118
#1	31848.	27750.
#2	31811.	27323.
#3	31850.	27310.

Approved: April 07, 2011

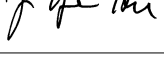
Sample Name: CCB Acquired: 4/6/2011 20:19:54 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.02020**	**-.00052**	**-.00299**	**-.00013**	**.00005**	**-.00446**
Stddev	.00038	.00938	.00052	.00079	.00018	.00001	.00346
%RSD	122.81	46.454	99.636	26.499	137.85	23.933	77.624
#1	-.00034	-.02564	-.00059	-.00225	-.00003	.00006	-.00130
#2	.00009	-.00936	.00003	-.00291	-.00002	.00004	-.00816
#3	-.00067	-.02559	-.00100	-.00383	-.00034	.00005	-.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00004**	**-.00025**	**-.00023**	**.00017**	**.15203**	**.00066**
Stddev	.00008	.00006	.00010	.00020	.00156	.00402	.00066
%RSD	148.00	150.73	41.825	86.107	914.37	2.6411	100.46
#1	.00012	.00010	-.00018	-.00003	-.00148	.14797	.00113
#2	.00008	-.00001	-.00020	-.00043	.00035	.15213	-.00010
#3	-.00004	.00002	-.00037	-.00023	.00164	.15599	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.00020**	**.00009**	**.01913**	**.00016**	**-.00131**	**-.00068**
Stddev	.00160	.00006	.00007	.00412	.00016	.00103	.00096
%RSD	40.609	31.184	75.056	21.545	101.01	78.556	142.05
#1	.00417	-.00025	.00013	.02041	.00032	-.00249	.00037
#2	.00542	-.00013	.00001	.01452	.00000	-.00064	-.00089
#3	.00224	-.00021	.00014	.02246	.00017	-.00079	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/6/2011 20:19:54 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.6983**	F **-.01938**	F **5.1811**	**.00066**	**.00212**	**.00013**	**-.00014**
Stddev	.8691	.05103	7.4239	.00075	.00080	.00089	.00020
%RSD	8.9619	263.35	143.29	112.92	37.672	687.95	140.15
#1	10.677	-.03159	13.184	.00029	.00169	-.00080	-.00026
#2	9.4006	.03665	-1.4817	.00152	.00305	.00021	.00009
#3	9.0172	-.06319	3.8413	.00018	.00164	.00098	-.00024
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00035**	**.00007**	**-.00010**	**-.00018**	**-.00009**
Stddev	.00003	.00080	.00136	.00002	.00005	.00008
%RSD	42.591	226.98	2032.4	17.269	28.069	91.197
#1	-.00004	-.00126	.00163	-.00011	-.00023	-.00006
#2	-.00009	-.00004	-.00054	-.00008	-.00013	-.00003
#3	-.00009	.00024	-.00089	-.00011	-.00020	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32680.**	**27100.**
Stddev	80.	165.
%RSD	.24328	.60782
#1	32602.	26925.
#2	32761.	27122.
#3	32678.	27252.

Approved: April 07, 2011

Sample Name: L1103090705 Acquired: 4/6/2011 20:23:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05226**	**127.85**	**.41331**	**.18375**	**1.9558**	**.00830**
Stddev	.00039	1.06	.00334	.00148	.0042	.00003
%RSD	.74815	.83125	.80783	.80723	.21403	.37229
#1	.05194	126.84	.40946	.18308	1.9510	.00827
#2	.05270	127.76	.41530	.18544	1.9577	.00833
#3	.05213	128.96	.41518	.18271	1.9587	.00829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**263.68**	**.01969**	**.12279**	**.17734**	**58.723**	**353.24**
Stddev	1.38	.00003	.00024	.00025	.084	2.43
%RSD	.52145	.15733	.19329	.14196	.14324	.68916
#1	262.43	.01966	.12259	.17717	58.626	351.41
#2	263.47	.01972	.12305	.17763	58.768	356.00
#3	265.16	.01969	.12273	.17722	58.776	352.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.557**	**.23314**	**109.25**	**3.7729**	**.13083**	**2.1467**
Stddev	.099	.00151	.51	.0126	.00016	.0111
%RSD	.31405	.64977	.46610	.33408	.11887	.51566
#1	31.456	.23296	108.85	3.7664	.13086	2.1420
#2	31.561	.23474	109.07	3.7649	.13067	2.1387
#3	31.654	.23172	109.82	3.7875	.13097	2.1593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090705 Acquired: 4/6/2011 20:23:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20026**	**13.367**	**1.9569**	F **73.978**	F **1202.8**	F **-205380.**
Stddev	.00083	.025	.0025	6.273	2.5	62.
%RSD	.41451	.18641	.12829	8.4799	.21189	.03013
#1	.19978	13.350	1.9542	68.619	1199.9	-205410.
#2	.19979	13.355	1.9573	80.878	1204.0	-205420.
#3	.20122	13.395	1.9591	72.438	1204.5	-205310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05753**	**.06628**	**1.5721**	**.16773**	**1.1284**	**.56598**
Stddev	.00249	.00239	.0024	.00036	.0060	.00110
%RSD	4.3282	3.6049	.15258	.21473	.53404	.19482
#1	.05493	.06624	1.5730	.16733	1.1239	.56650
#2	.05990	.06868	1.5740	.16785	1.1260	.56471
#3	.05777	.06391	1.5694	.16802	1.1352	.56672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00886**	**.46532**	**2.6574**	**.05773**
Stddev	.00128	.00067	.0026	.00022
%RSD	14.449	.14382	.09709	.37397
#1	.00750	.46529	2.6546	.05795
#2	.01005	.46601	2.6580	.05772
#3	.00902	.46467	2.6597	.05752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090705 Acquired: 4/6/2011 20:23:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31181.**	**29116.**
Stddev	35.	91.
%RSD	.11184	.31286
#1	31195.	29043.
#2	31141.	29218.
#3	31207.	29087.

Approved: April 07, 2011

Sample Name: L1103090706 Acquired: 4/6/2011 20:27:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05497**	**132.50**	**.45610**	**.18073**	**2.0214**	**.00893**
Stddev	.00059	.74	.00241	.00546	.0055	.00004
%RSD	1.0668	.55479	.52787	3.0220	.27144	.48311
#1	.05557	131.92	.45419	.17476	2.0189	.00891
#2	.05494	132.24	.45880	.18195	2.0177	.00898
#3	.05440	133.32	.45531	.18548	2.0277	.00891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**258.14**	**.02163**	**.12605**	**.17228**	**73.812**	**337.20**
Stddev	1.33	.00005	.00053	.00042	.326	8.56
%RSD	.51593	.23637	.41783	.24563	.44116	2.5399
#1	257.20	.02160	.12552	.17277	73.438	327.88
#2	257.55	.02169	.12605	.17211	74.033	338.98
#3	259.66	.02160	.12658	.17198	73.966	344.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.300**	**.24202**	**109.22**	**3.9411**	**.12264**	**2.1385**
Stddev	.142	.00029	.35	.0081	.00034	.0112
%RSD	.46831	.11895	.32117	.20489	.27750	.52299
#1	30.250	.24220	109.00	3.9354	.12237	2.1267
#2	30.190	.24169	109.03	3.9376	.12302	2.1400
#3	30.460	.24218	109.62	3.9503	.12252	2.1489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090706 Acquired: 4/6/2011 20:27:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20618**	**13.257**	**2.9272**	F **69.716**	F **1188.1**	F **-206600.**
Stddev	.00073	.018	.0112	8.752	4.1	170.
%RSD	.35443	.13360	.38250	12.554	.34127	.08251
#1	.20644	13.247	2.9200	77.940	1184.2	-206470.
#2	.20675	13.278	2.9401	70.690	1192.3	-206550.
#3	.20535	13.247	2.9215	60.518	1187.7	-206790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07422**	**.07072**	**1.8036**	**.14928**	**1.0547**	**.54525**
Stddev	.00319	.00342	.0011	.00025	.0053	.00155
%RSD	4.2940	4.8420	.06316	.16932	.50038	.28354
#1	.07303	.06685	1.8023	.14941	1.0503	.54418
#2	.07783	.07198	1.8045	.14944	1.0533	.54455
#3	.07180	.07334	1.8039	.14899	1.0606	.54703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00868**	**.43628**	**2.9313**	**.05711**
Stddev	.00143	.00128	.0072	.00044
%RSD	16.525	.29356	.24625	.76239
#1	.00931	.43545	2.9249	.05661
#2	.00704	.43775	2.9391	.05740
#3	.00968	.43564	2.9297	.05733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090706 Acquired: 4/6/2011 20:27:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31347.**	**29143.**
Stddev	84.	109.
%RSD	.26810	.37307
#1	31405.	29105.
#2	31251.	29266.
#3	31386.	29059.

Approved: April 07, 2011

Sample Name: L1103090707 Acquired: 4/6/2011 20:30:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03558**	**135.86**	**.28873**	**.16439**	**2.3078**	**.00857**
Stddev	.00044	.83	.00101	.00277	.0081	.00001
%RSD	1.2484	.60924	.34979	1.6836	.34971	.16785
#1	.03515	136.69	.28801	.16163	2.3119	.00856
#2	.03557	135.84	.28830	.16717	2.3129	.00857
#3	.03604	135.03	.28989	.16437	2.2984	.00859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**283.72**	**.01418**	**.12866**	**.21873**	**28.991**	**312.68**
Stddev	2.65	.00006	.00041	.00087	.033	3.45
%RSD	.93417	.39624	.31488	.39578	.11424	1.1027
#1	282.23	.01413	.12896	.21795	28.970	309.05
#2	286.78	.01418	.12820	.21858	28.974	315.90
#3	282.15	.01424	.12882	.21966	29.029	313.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.493**	**.23084**	**111.76**	**4.7096**	**.10001**	**2.1092**
Stddev	.080	.00129	.27	.0072	.00033	.0141
%RSD	.21312	.55703	.23786	.15313	.33321	.66668
#1	37.550	.23233	111.52	4.7090	.10016	2.1194
#2	37.526	.23007	112.05	4.7171	.10025	2.0931
#3	37.401	.23013	111.72	4.7027	.09963	2.1150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090707 Acquired: 4/6/2011 20:30:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25390**	**12.039**	**1.6493**	F **85.053**	F **845.51**	F **-122540.**
Stddev	.00054	.004	.0001	2.945	1.39	73.
%RSD	.21307	.03298	.00919	3.4626	.16396	.05970
#1	.25333	12.037	1.6493	88.396	846.31	-122600.
#2	.25396	12.037	1.6494	82.838	843.91	-122460.
#3	.25441	12.044	1.6491	83.927	846.31	-122550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04636**	**.03875**	**3.7097**	**.19053**	**1.1460**	**.79573**
Stddev	.00120	.00206	.0043	.00031	.0061	.00269
%RSD	2.5857	5.3050	.11642	.16410	.53422	.33768
#1	.04548	.03849	3.7096	.19080	1.1528	.79873
#2	.04588	.03684	3.7054	.19019	1.1441	.79356
#3	.04772	.04092	3.7141	.19060	1.1410	.79489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00909**	**.46131**	**3.1113**	**.07146**
Stddev	.00115	.00205	.0024	.00043
%RSD	12.649	.44482	.07831	.59905
#1	.00930	.46125	3.1110	.07104
#2	.00785	.45930	3.1091	.07143
#3	.01013	.46340	3.1139	.07190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090707 Acquired: 4/6/2011 20:30:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31545.**	**29105.**
Stddev	61.	66.
%RSD	.19380	.22608
#1	31531.	29146.
#2	31612.	29029.
#3	31493.	29140.

Approved: April 07, 2011

Sample Name: L1103090708 Acquired: 4/6/2011 20:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**77.737**	**.07740**	**.10610**	**1.2107**	**.00468**	**208.44**
Stddev	.00020	.451	.00044	.00070	.0020	.00001	.92
%RSD	3.2077	.57954	.56709	.66284	.16478	.31639	.44070
#1	.00619	77.892	.07731	.10634	1.2128	.00468	208.77
#2	.00660	77.229	.07788	.10666	1.2088	.00469	207.40
#3	.00636	78.089	.07702	.10531	1.2105	.00466	209.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00579**	**.08006**	**.15692**	**1.5198**	**145.81**	**29.654**	**.13631**
Stddev	.00012	.00055	.00018	.0050	.30	.107	.00157
%RSD	2.1425	.69083	.11560	.32601	.20515	.36117	1.1488
#1	.00586	.07983	.15671	1.5144	145.96	29.718	.13513
#2	.00565	.08069	.15703	1.5242	145.46	29.530	.13572
#3	.00586	.07966	.15703	1.5207	146.00	29.714	.13809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**70.922**	**4.0605**	**.01247**	**7.9712**	**.16139**	**10.059**	**.41496**
Stddev	.321	.0116	.00012	.0340	.00055	.015	.00100
%RSD	.45275	.28501	.95664	.42684	.33927	.15202	.24010
#1	70.907	4.0564	.01259	7.9880	.16139	10.046	.41415
#2	70.608	4.0515	.01247	7.9320	.16194	10.076	.41607
#3	71.250	4.0736	.01235	7.9935	.16085	10.054	.41465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090708 Acquired: 4/6/2011 20:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **66.174**	F **469.78**	F **-55423.**	**.00920**	**.00265**	**1.5390**	**.01423**
Stddev	5.397	2.05	107.	.00260	.00174	.0043	.00026
%RSD	8.1551	.43603	.19351	28.207	65.409	.27799	1.8194
#1	66.538	467.43	-55316.	.00781	.00232	1.5379	.01442
#2	71.380	471.15	-55421.	.00760	.00453	1.5437	.01433
#3	60.605	470.77	-55531.	.01220	.00111	1.5354	.01393
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60304**	**.93315**	**.00704**	**.26035**	**1.2654**	**.05223**
Stddev	.00200	.00102	.00075	.00082	.0014	.00028
%RSD	.33154	.10892	10.623	.31686	.10900	.53612
#1	.60402	.93423	.00633	.26116	1.2639	.05255
#2	.60074	.93220	.00696	.26039	1.2657	.05206
#3	.60437	.93303	.00782	.25951	1.2666	.05207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31876.**	**29043.**
Stddev	20.	277.
%RSD	.06216	.95397
#1	31899.	28837.
#2	31861.	29358.
#3	31868.	28934.

Approved: April 07, 2011

Sample Name: L1103090709 Acquired: 4/6/2011 20:37:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**114.43**	**.06156**	**.10872**	**1.8776**	**.00613**	**266.80**
Stddev	.00092	.48	.00192	.00020	.0003	.00001	.84
%RSD	9.0161	.41730	3.1165	.18574	.01543	.09790	.31608
#1	.00954	113.89	.06022	.10850	1.8779	.00613	265.83
#2	.00983	114.76	.06070	.10877	1.8775	.00612	267.19
#3	.01125	114.66	.06376	.10889	1.8773	.00613	267.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00538**	**.11196**	**.22406**	**1.2915**	**208.03**	**39.409**	**.19244**
Stddev	.00003	.00017	.00028	.0037	.33	.112	.00085
%RSD	.64244	.15292	.12665	.28644	.16103	.28497	.44185
#1	.00534	.11197	.22376	1.2873	207.75	39.288	.19321
#2	.00538	.11212	.22433	1.2945	207.93	39.429	.19258
#3	.00541	.11178	.22409	1.2926	208.40	39.510	.19153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.52**	**5.4375**	**.01087**	**6.5200**	**.22018**	**9.6371**	**.27663**
Stddev	.39	.0168	.00027	.0223	.00086	.0103	.00218
%RSD	.37790	.30847	2.4792	.34172	.39265	.10647	.78942
#1	102.09	5.4188	.01097	6.4968	.22104	9.6270	.27898
#2	102.62	5.4426	.01057	6.5412	.22020	9.6367	.27624
#3	102.84	5.4511	.01108	6.5219	.21931	9.6475	.27466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090709 Acquired: 4/6/2011 20:37:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.157**	F **374.70**	F **-20974.**	**.00619**	**.00466**	**1.6176**	**.02950**
Stddev	1.864	1.32	3.	.00033	.00196	.0060	.00032
%RSD	2.3849	.35151	.01523	5.2934	41.985	.36933	1.0744
#1	77.571	373.18	-20974.	.00617	.00567	1.6136	.02947
#2	80.244	375.58	-20972.	.00587	.00591	1.6148	.02921
#3	76.657	375.32	-20978.	.00653	.00241	1.6245	.02984
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68818**	**1.4092**	**.00975**	**.37036**	**.91733**	**.06266**
Stddev	.00255	.0028	.00073	.00137	.00161	.00004
%RSD	.36984	.20007	7.5012	.37119	.17545	.06474
#1	.68532	1.4070	.01039	.36962	.91605	.06264
#2	.69019	1.4124	.00992	.37195	.91681	.06271
#3	.68902	1.4082	.00895	.36951	.91914	.06264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31891.**	**29015.**
Stddev	81.	65.
%RSD	.25320	.22429
#1	31930.	29042.
#2	31798.	29062.
#3	31945.	28941.

Approved: April 07, 2011

Sample Name: L1103090710 Acquired: 4/6/2011 20:41:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03252**	**144.23**	**.08216**	**.14099**	**2.2512**	^ *****	**422.97**
Stddev	.00042	.74	.00042	.00423	.0078	-----	3.41
%RSD	1.2982	.51115	.50698	3.0028	.34797	-----	.80673
#1	.03241	143.38	.08226	.13685	2.2443	^ -----	422.89
#2	.03299	144.61	.08171	.14531	2.2496	^ -----	419.59
#3	.03217	144.70	.08253	.14082	2.2597	^ -----	426.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00719**	**.14350**	**.27685**	**2.8711**	**263.70**	**66.623**	**.27141**
Stddev	.00008	.00043	.00116	.0006	7.16	.347	.00154
%RSD	1.0726	.29784	.41776	.01996	2.7153	.52115	.56704
#1	.00710	.14369	.27779	2.8715	255.61	66.237	.27180
#2	.00721	.14380	.27556	2.8705	269.22	66.719	.27272
#3	.00725	.14301	.27721	2.8714	266.26	66.912	.26971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**144.08**	**6.7602**	**.01433**	**2.3117**	**.26337**	**12.617**	**.44395**
Stddev	.70	.0159	.00026	.0166	.00092	.003	.00175
%RSD	.48505	.23456	1.8112	.71774	.34872	.02715	.39459
#1	143.36	6.7427	.01461	2.3029	.26253	12.617	.44343
#2	144.13	6.7645	.01410	2.3014	.26435	12.614	.44590
#3	144.76	6.7735	.01429	2.3309	.26322	12.620	.44252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090710 Acquired: 4/6/2011 20:41:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **101.99**	F **531.90**	F **-18109.**	**.03913**	**.00480**	**1.8308**	**.03331**
Stddev	5.88	.29	9.	.00146	.00171	.0008	.00023
%RSD	5.7617	.05518	.04762	3.7382	35.522	.04493	.68398
#1	104.84	532.23	-18102.	.03963	.00623	1.8299	.03311
#2	105.91	531.67	-18118.	.04027	.00527	1.8315	.03355
#3	95.236	531.80	-18106.	.03748	.00291	1.8309	.03326
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88097**	**4.8912**	**.01855**	**.53838**	**1.5466**	**.06861**
Stddev	.00372	.0124	.00112	.00099	.0004	.00013
%RSD	.42217	.25367	6.0501	.18439	.02845	.18733
#1	.87668	4.8781	.01928	.53953	1.5466	.06857
#2	.88306	4.8928	.01726	.53775	1.5461	.06875
#3	.88318	4.9028	.01911	.53788	1.5470	.06851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31359.**	**29342.**
Stddev	65.	127.
%RSD	.20833	.43234
#1	31283.	29479.
#2	31397.	29320.
#3	31396.	29229.

Approved: April 07, 2011

Sample Name: L1103090711 Acquired: 4/6/2011 20:44:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03021**	**131.70**	**.08113**	**.13714**	**2.0211**	^ *****	**487.03**
Stddev	.00050	.60	.00304	.00140	.0068	-----	3.76
%RSD	1.6655	.45210	3.7470	1.0244	.33691	-----	.77263
#1	.03026	132.33	.08260	.13821	2.0289	^ -----	482.82
#2	.02968	131.62	.08315	.13766	2.0164	^ -----	488.19
#3	.03068	131.15	.07763	.13555	2.0180	^ -----	490.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00789**	**.13845**	**.24952**	**1.7497**	**248.46**	**52.353**	**.25988**
Stddev	.00010	.00036	.00109	.0041	3.74	.141	.00034
%RSD	1.2147	.25989	.43687	.23412	1.5038	.26852	.12947
#1	.00800	.13877	.25052	1.7519	251.91	52.515	.26012
#2	.00781	.13853	.24836	1.7522	248.99	52.287	.25950
#3	.00785	.13806	.24967	1.7450	244.49	52.258	.26003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**129.81**	**6.7129**	**.01335**	**2.8920**	**.25977**	**14.233**	**.68090**
Stddev	.25	.0117	.00017	.0030	.00031	.034	.00096
%RSD	.19628	.17425	1.2488	.10405	.11891	.23729	.14035
#1	129.85	6.7043	.01324	2.8912	.25971	14.259	.68009
#2	129.53	6.7083	.01328	2.8954	.25950	14.244	.68067
#3	130.04	6.7262	.01355	2.8895	.26011	14.194	.68195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090711 Acquired: 4/6/2011 20:44:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **96.358**	F **619.91**	F **-18096.**	**.01821**	**.00547**	**1.7854**	**.03306**
Stddev	5.672	1.58	41.	.00164	.00169	.0028	.00028
%RSD	5.8864	.25495	.22789	9.0061	30.950	.15568	.84046
#1	99.610	621.04	-18140.	.01962	.00444	1.7845	.03282
#2	99.656	620.58	-18090.	.01641	.00742	1.7832	.03336
#3	89.809	618.10	-18058.	.01860	.00454	1.7886	.03300
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94550**	**4.5186**	**.01836**	**.51862**	**1.5143**	**.07035**
Stddev	.00192	.0011	.00241	.00370	.0029	.00064
%RSD	.20284	.02369	13.116	.71390	.19439	.90782
#1	.94717	4.5198	.01727	.52271	1.5166	.07104
#2	.94592	4.5180	.02113	.51549	1.5153	.06977
#3	.94340	4.5179	.01670	.51767	1.5110	.07024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31134.**	**29449.**
Stddev	86.	159.
%RSD	.27615	.54061
#1	31059.	29269.
#2	31115.	29511.
#3	31228.	29568.

Approved: April 07, 2011

Sample Name: L1103090712 Acquired: 4/6/2011 20:48:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01949**	**143.43**	**.25774**	**.23395**	**1.3496**	**.00848**
Stddev	.00033	.48	.00126	.00175	.0033	.00004
%RSD	1.7043	.33402	.48954	.75007	.24492	.41515
#1	.01984	143.81	.25755	.23210	1.3482	.00845
#2	.01946	143.60	.25658	.23416	1.3534	.00852
#3	.01918	142.89	.25908	.23559	1.3472	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**530.42**	**.01613**	**.15997**	**.26426**	**50.754**	**303.63**
Stddev	2.03	.00019	.00142	.00083	.265	.73
%RSD	.38223	1.1630	.88978	.31300	.52129	.24011
#1	528.80	.01597	.15835	.26331	50.450	303.22
#2	532.69	.01609	.16101	.26474	50.879	304.47
#3	529.76	.01634	.16055	.26474	50.933	303.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.421**	**.31445**	**123.36**	**5.5496**	**.06377**	**24.794**
Stddev	.072	.00123	.15	.0087	.00031	.084
%RSD	.22914	.38960	.12445	.15626	.49088	.33795
#1	31.429	.31354	123.27	5.5588	.06350	24.875
#2	31.489	.31585	123.54	5.5483	.06369	24.799
#3	31.346	.31398	123.28	5.5416	.06411	24.708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090712 Acquired: 4/6/2011 20:48:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27442**	**12.112**	**.54028**	F **78.378**	F **3136.8**	F **-579050.**
Stddev	.00180	.059	.00178	7.958	30.0	1828.
%RSD	.65709	.48353	.33009	10.153	.95496	.31575
#1	.27234	12.048	.53825	81.710	3105.5	-576970.
#2	.27546	12.164	.54098	84.129	3165.2	-579780.
#3	.27547	12.123	.54160	69.296	3139.7	-580390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02450**	**.02519**	**2.5776**	**.26831**	**1.8190**	**.85164**
Stddev	.00079	.00192	.0120	.00206	.0060	.00157
%RSD	3.2219	7.6281	.46416	.76737	.32919	.18476
#1	.02527	.02406	2.5648	.26618	1.8249	.85311
#2	.02369	.02411	2.5884	.26846	1.8192	.85184
#3	.02455	.02741	2.5795	.27029	1.8129	.84998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01360**	**.51589**	**1.8851**	**.08258**
Stddev	.00086	.00071	.0083	.00063
%RSD	6.3420	.13690	.44091	.76113
#1	.01320	.51519	1.8755	.08207
#2	.01301	.51660	1.8908	.08238
#3	.01459	.51589	1.8889	.08328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090712 Acquired: 4/6/2011 20:48:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30750.**	**29004.**
Stddev	131.	171.
%RSD	.42630	.58894
#1	30897.	28859.
#2	30645.	28960.
#3	30707.	29192.

Approved: April 07, 2011

Sample Name: L1103090713 Acquired: 4/6/2011 20:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01226**	**121.25**	**.15578**	**.20624**	**1.3231**	**.00693**
Stddev	.00074	.28	.00054	.00135	.0033	.00001
%RSD	5.9995	.23079	.34475	.65291	.24826	.18306
#1	.01193	121.57	.15524	.20728	1.3267	.00693
#2	.01176	121.14	.15632	.20671	1.3220	.00694
#3	.01311	121.04	.15579	.20472	1.3204	.00691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**489.70**	**.00806**	**.12691**	**.20203**	**23.179**	**228.82**
Stddev	8.59	.00005	.00056	.00088	.100	.53
%RSD	1.7540	.61429	.44207	.43476	.43239	.23379
#1	497.86	.00800	.12727	.20226	23.261	229.43
#2	480.73	.00810	.12719	.20106	23.209	228.54
#3	490.50	.00807	.12626	.20278	23.068	228.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.991**	**.28012**	**115.52**	**4.8244**	**.04614**	**30.183**
Stddev	.073	.00167	.17	.0064	.00016	.081
%RSD	.24190	.59569	.14365	.13195	.33671	.26952
#1	30.074	.28182	115.56	4.8298	.04597	30.272
#2	29.940	.28007	115.34	4.8174	.04616	30.113
#3	29.960	.27848	115.66	4.8260	.04628	30.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090713 Acquired: 4/6/2011 20:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21412**	**11.901**	**.39920**	F **71.215**	F **2015.8**	F **-338180.**
Stddev	.00028	.026	.00044	16.001	15.5	947.
%RSD	.12971	.22100	.10991	22.468	.76984	.27995
#1	.21387	11.927	.39957	57.639	2027.7	-338880.
#2	.21407	11.900	.39871	88.856	2021.5	-338560.
#3	.21442	11.875	.39931	67.151	1998.2	-337110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01489**	**.01467**	**2.9377**	**.11315**	**1.8783**	**.77275**
Stddev	.00029	.00230	.0106	.00072	.0032	.00201
%RSD	1.9662	15.688	.36174	.63772	.16823	.25978
#1	.01504	.01422	2.9478	.11236	1.8819	.77341
#2	.01456	.01716	2.9387	.11378	1.8762	.77050
#3	.01509	.01262	2.9267	.11330	1.8767	.77435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01103**	**.42909**	**.99541**	**.07259**
Stddev	.00173	.00054	.00083	.00029
%RSD	15.682	.12609	.08383	.40530
#1	.01184	.42953	.99628	.07292
#2	.00904	.42849	.99536	.07250
#3	.01220	.42926	.99461	.07236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090713 Acquired: 4/6/2011 20:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30972.**	**28334.**
Stddev	48.	109.
%RSD	.15416	.38424
#1	30919.	28223.
#2	30986.	28441.
#3	31011.	28338.

Approved: April 07, 2011

Sample Name: L1103090714 Acquired: 4/6/2011 20:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01151**	**145.75**	**.12717**	**.19607**	**1.4817**	**.00711**
Stddev	.00048	.67	.00019	.00312	.0022	.00003
%RSD	4.2125	.46130	.15203	1.5897	.15119	.45114
#1	.01099	144.99	.12731	.19619	1.4792	.00714
#2	.01196	145.97	.12695	.19913	1.4835	.00711
#3	.01157	146.28	.12725	.19290	1.4823	.00708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.24**	**.00830**	**.14244**	**.22788**	**11.262**	**271.37**
Stddev	5.29	.00003	.00042	.00089	.026	3.60
%RSD	1.1756	.34873	.29615	.39103	.22946	1.3262
#1	448.55	.00833	.14292	.22891	11.292	270.11
#2	456.17	.00827	.14228	.22733	11.247	275.42
#3	446.00	.00831	.14213	.22741	11.246	268.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.206**	**.28267**	**114.92**	**5.5537**	**.02620**	**19.210**
Stddev	.055	.00220	.47	.0141	.00023	.078
%RSD	.14144	.77880	.40817	.25347	.87489	.40590
#1	39.144	.28030	114.51	5.5400	.02647	19.121
#2	39.251	.28308	115.43	5.5681	.02605	19.243
#3	39.222	.28464	114.83	5.5531	.02609	19.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090714 Acquired: 4/6/2011 20:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22975**	**16.058**	**.40156**	F **81.519**	F **2669.8**	F **-504320.**
Stddev	.00023	.035	.00233	6.667	13.5	742.
%RSD	.10091	.21561	.58087	8.1790	.50567	.14707
#1	.22995	16.098	.40425	81.875	2685.3	-505180.
#2	.22950	16.039	.40007	74.681	2663.2	-503940.
#3	.22980	16.037	.40037	88.002	2660.8	-503850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01481**	**.00881**	**2.1405**	**.45252**	**1.3481**	**1.2481**
Stddev	.00084	.00183	.0044	.00058	.0056	.0009
%RSD	5.6756	20.804	.20717	.12795	.41584	.07532
#1	.01514	.01089	2.1455	.45198	1.3419	1.2471
#2	.01544	.00811	2.1392	.45313	1.3494	1.2489
#3	.01385	.00744	2.1369	.45245	1.3529	1.2484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01444**	**.50988**	**1.1778**	**.06752**
Stddev	.00031	.00135	.0019	.00013
%RSD	2.1130	.26485	.16306	.18838
#1	.01419	.51047	1.1800	.06762
#2	.01435	.51084	1.1768	.06758
#3	.01478	.50833	1.1766	.06738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090714 Acquired: 4/6/2011 20:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31411.**	**28985.**
Stddev	81.	268.
%RSD	.25835	.92567
#1	31319.	28952.
#2	31471.	28734.
#3	31445.	29268.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:59:12 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43324**	**9.5696**	**.42418**	**.52479**	**.97042**	**.05175**	**9.5804**
Stddev	.00233	.0319	.00269	.00118	.00067	.00013	.0160
%RSD	.53690	.33370	.63323	.22449	.06885	.26055	.16704
#1	.43417	9.5327	.42211	.52541	.97070	.05169	9.5632
#2	.43060	9.5888	.42322	.52552	.96966	.05166	9.5949
#3	.43497	9.5872	.42722	.52343	.97091	.05191	9.5830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05368**	**.21591**	**.51867**	**.53986**	**3.9340**	**49.121**	**.98474**
Stddev	.00025	.00072	.00124	.00207	.0084	.053	.00213
%RSD	.46561	.33335	.23823	.38398	.21415	.10865	.21670
#1	.05342	.21538	.51768	.53848	3.9409	49.072	.98448
#2	.05370	.21563	.51827	.53885	3.9365	49.178	.98699
#3	.05392	.21673	.52005	.54224	3.9246	49.112	.98275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.111**	**.50747**	**.98381**	**48.249**	**.52476**	F **.00035**	**.53698**
Stddev	.013	.00168	.00073	.176	.00023	.00230	.00099
%RSD	.12875	.33067	.07397	.36508	.04309	659.19	.18392
#1	10.107	.50668	.98453	48.058	.52461	.00300	.53751
#2	10.126	.50633	.98308	48.285	.52464	-.00073	.53759
#3	10.101	.50940	.98381	48.404	.52502	-.00122	.53584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:59:12 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.500**	**10.907**	F **11.553**	**1.3004**	**.42732**	F **.01841**	**1.0659**
Stddev	9.835	.024	9.220	.0057	.00379	.00089	.0016
%RSD	78.680	.21944	79.809	.44109	.88742	4.8408	.15284
#1	3.3854	10.905	9.8029	1.2962	.42381	.01793	1.0649
#2	11.191	10.884	21.522	1.2981	.42680	.01786	1.0650
#3	22.925	10.932	3.3329	1.3070	.43134	.01944	1.0678
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97493**	**1.0042**	**.54387**	**1.0436**	**1.0298**	F **.00082**
Stddev	.00296	.0003	.00061	.0010	.0020	.00005
%RSD	.30341	.02974	.11174	.09548	.19510	5.7239
#1	.97241	1.0039	.54339	1.0443	1.0301	.00081
#2	.97420	1.0042	.54367	1.0441	1.0276	.00086
#3	.97819	1.0045	.54455	1.0425	1.0316	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32643.**	**27217.**
Stddev	111.	191.
%RSD	.33854	.69991
#1	32686.	27272.
#2	32725.	27006.
#3	32517.	27375.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:02:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.02784**	**-.00015**	**-.00250**	**-.00004**	**.00004**	**-.00538**
Stddev	.00018	.02300	.00015	.00015	.00016	.00001	.00341
%RSD	713.79	82.591	97.111	5.8767	433.59	26.293	63.466
#1	-.00010	-.03077	-.00023	-.00233	.00010	.00003	-.00422
#2	.00018	-.00353	-.00024	-.00261	-.00021	.00003	-.00922
#3	-.00015	-.04924	.00002	-.00255	.00000	.00005	-.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00001**	**-.00007**	**-.00029**	**-.00091**	**.18002**	**.00059**
Stddev	.00007	.00008	.00018	.00040	.00079	.01997	.00117
%RSD	307.88	1164.1	274.89	135.84	86.697	11.092	199.55
#1	-.00004	-.00009	.00014	.00006	-.00005	.20299	-.00069
#2	.00001	.00007	-.00021	-.00072	-.00106	.17033	.00160
#3	.00010	.00001	-.00013	-.00022	-.00161	.16675	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01237**	**-.00040**	**.00010**	**.02786**	**.00023**	**-.00149**	**-.00020**
Stddev	.00518	.00011	.00011	.00100	.00016	.00159	.00064
%RSD	41.845	28.854	114.03	3.5899	67.861	106.84	326.77
#1	.00641	-.00053	.00017	.02897	.00041	-.00233	.00030
#2	.01494	-.00032	-.00003	.02702	.00018	.00035	.00003
#3	.01577	-.00034	.00015	.02760	.00010	-.00247	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:02:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.590**	F **.03751**	F **-3.3279**	**.00071**	**.00068**	**-.00025**	**-.00019**
Stddev	6.559	.02538	7.0753	.00031	.00031	.00080	.00030
%RSD	35.282	67.662	212.61	43.111	45.614	324.99	156.69
#1	26.137	.06505	-6.7317	.00072	.00088	.00048	-.00050
#2	15.369	.03243	-8.0580	.00101	.00084	-.00110	-.00016
#3	14.265	.01505	4.8061	.00040	.00032	-.00011	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00036**	**-.00010**	**-.00004**	**-.00008**	**.00003**
Stddev	.00013	.00057	.00084	.00013	.00009	.00004
%RSD	154.78	158.28	843.00	356.66	114.50	117.89
#1	-.00006	-.00021	-.00012	-.00016	-.00009	.00000
#2	.00003	.00093	-.00093	-.00004	-.00017	.00003
#3	-.00022	.00036	.00075	.00010	.00001	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33275.**	**27480.**
Stddev	17.	85.
%RSD	.05137	.30762
#1	33277.	27383.
#2	33291.	27541.
#3	33257.	27515.

Approved: April 07, 2011

Sample Name: L1103090715S Acquired: 4/6/2011 21:06:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21179**	**151.64**	**.32424**	**.21082**	**1.5905**	**.00708**
Stddev	.00234	.80	.00401	.00197	.0062	.00004
%RSD	1.1047	.53007	1.2360	.93485	.38931	.60706
#1	.21145	152.41	.32785	.21289	1.5966	.00708
#2	.21428	150.81	.32494	.21059	1.5842	.00712
#3	.20964	151.70	.31993	.20897	1.5907	.00704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.18**	**.03315**	**.13954**	**.29022**	**11.261**	**284.97**
Stddev	5.99	.00019	.00089	.00188	.062	2.94
%RSD	1.3297	.56057	.63900	.64645	.54848	1.0322
#1	451.15	.03335	.14036	.29074	11.314	287.78
#2	443.77	.03311	.13966	.29178	11.276	285.20
#3	455.63	.03299	.13859	.28814	11.193	281.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.466**	**.28326**	**114.04**	**5.7243**	**.02800**	**19.395**
Stddev	.119	.00016	.15	.0058	.00011	.066
%RSD	.29422	.05799	.13480	.10099	.37925	.34091
#1	40.591	.28342	114.15	5.7305	.02801	19.459
#2	40.354	.28326	113.86	5.7231	.02811	19.327
#3	40.455	.28309	114.10	5.7191	.02789	19.397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090715S Acquired: 4/6/2011 21:06:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25430**	**16.570**	**.77665**	F **85.408**	F **2712.6**	F **-506500.**
Stddev	.00155	.073	.00184	6.375	28.1	1891.
%RSD	.60945	.44115	.23731	7.4642	1.0361	.37326
#1	.25608	16.628	.77874	92.072	2735.0	-508100.
#2	.25359	16.593	.77600	84.784	2721.6	-506980.
#3	.25324	16.488	.77523	79.368	2681.0	-504410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**.01044**	**2.5459**	**.48475**	**1.3657**	**1.4250**
Stddev	.00139	.00276	.0132	.00165	.0047	.0026
%RSD	2.6809	26.422	.52005	.34006	.34548	.18191
#1	.05294	.00955	2.5548	.48327	1.3711	1.4276
#2	.05272	.00823	2.5521	.48652	1.3625	1.4224
#3	.05042	.01353	2.5307	.48445	1.3634	1.4250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01466**	**.54690**	**1.1825**	**.07157**
Stddev	.00093	.00226	.0026	.00055
%RSD	6.3768	.41403	.22040	.76352
#1	.01442	.54600	1.1839	.07205
#2	.01387	.54947	1.1841	.07168
#3	.01569	.54522	1.1795	.07098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090715S Acquired: 4/6/2011 21:06:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30981.**	**28726.**
Stddev	146.	181.
%RSD	.47178	.62896
#1	30856.	28518.
#2	30946.	28818.
#3	31141.	28842.

Approved: April 07, 2011

Sample Name: L1103090716SD Acquired: 4/6/2011 21:09:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21183**	**165.12**	**.33016**	**.21894**	**1.6539**	**.00765**
Stddev	.00054	.63	.00170	.00260	.0045	.00005
%RSD	.25282	.38152	.51384	1.1892	.27331	.70419
#1	.21144	165.08	.33199	.22168	1.6591	.00760
#2	.21161	164.51	.32987	.21650	1.6508	.00770
#3	.21244	165.76	.32863	.21865	1.6519	.00765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.55**	**.03353**	**.16107**	**.24450**	**11.778**	**308.73**
Stddev	5.39	.00020	.00039	.00203	.034	3.56
%RSD	1.1964	.59984	.24316	.83041	.28655	1.1546
#1	447.11	.03373	.16113	.24463	11.795	312.85
#2	447.77	.03352	.16144	.24647	11.800	306.66
#3	456.76	.03333	.16066	.24241	11.740	306.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**43.873**	**.31659**	**129.55**	**6.2177**	**.02753**	**19.410**
Stddev	.099	.00168	.33	.0105	.00035	.052
%RSD	.22646	.53021	.25624	.16890	1.2789	.26940
#1	43.945	.31467	129.42	6.2179	.02724	19.408
#2	43.760	.31735	129.30	6.2071	.02743	19.360
#3	43.914	.31775	129.93	6.2281	.02792	19.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090716SD Acquired: 4/6/2011 21:09:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24998**	**16.726**	**.61889**	F **83.734**	F **2818.3**	F **-533440.**
Stddev	.00009	.027	.00185	4.733	18.3	1126.
%RSD	.03500	.16155	.29815	5.6524	.64769	.21115
#1	.24989	16.735	.61801	83.913	2830.1	-533900.
#2	.25006	16.747	.62101	88.374	2827.5	-534270.
#3	.25000	16.696	.61765	78.914	2797.3	-532160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01569**	**.00796**	**2.2860**	**.44707**	**1.3713**	**1.4529**
Stddev	.00105	.00014	.0066	.00287	.0038	.0031
%RSD	6.7192	1.7165	.28973	.64196	.27723	.21611
#1	.01502	.00796	2.2875	.45020	1.3734	1.4561
#2	.01691	.00782	2.2918	.44646	1.3669	1.4498
#3	.01515	.00809	2.2788	.44455	1.3735	1.4529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01616**	**.59007**	**1.2657**	**.07469**
Stddev	.00157	.00105	.0005	.00048
%RSD	9.7355	.17776	.04207	.64698
#1	.01509	.58961	1.2655	.07486
#2	.01542	.59127	1.2663	.07506
#3	.01796	.58932	1.2653	.07414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090716SD Acquired: 4/6/2011 21:09:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31090.**	**29097.**
Stddev	79.	37.
%RSD	.25356	.12745
#1	31089.	29139.
#2	31012.	29084.
#3	31170.	29069.

Approved: April 07, 2011

Sample Name: L1103090717 Acquired: 4/6/2011 21:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**136.30**	**.13541**	**.17915**	**1.3071**	**.00720**
Stddev	.00010	1.85	.00157	.00143	.0100	.00005
%RSD	.92605	1.3575	1.1596	.79625	.76173	.67953
#1	.01139	138.24	.13401	.17799	1.3179	.00725
#2	.01120	134.55	.13510	.17872	1.2983	.00717
#3	.01121	136.10	.13711	.18074	1.3050	.00717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**311.30**	**.00889**	**.13960**	**.23579**	**15.825**	**272.24**
Stddev	2.04	.00008	.00019	.00077	.012	1.83
%RSD	.65548	.87900	.13935	.32546	.07772	.67266
#1	311.79	.00897	.13979	.23530	15.814	270.50
#2	313.05	.00882	.13940	.23538	15.825	272.07
#3	309.06	.00886	.13961	.23667	15.838	274.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.332**	**.26422**	**108.93**	**5.4330**	**.03587**	**19.049**
Stddev	.302	.00144	.69	.0232	.00023	.191
%RSD	.88033	.54612	.63072	.42662	.64965	1.0022
#1	34.637	.26419	109.70	5.4574	.03597	19.256
#2	34.033	.26279	108.39	5.4113	.03561	18.879
#3	34.325	.26567	108.68	5.4302	.03605	19.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090717 Acquired: 4/6/2011 21:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23759**	**16.929**	**1.1112**	F **82.181**	F **2387.5**	F **-477320.**
Stddev	.00093	.007	.0016	4.616	2.7	33.
%RSD	.39286	.04365	.14162	5.6174	.11131	.00701
#1	.23656	16.930	1.1115	81.189	2385.4	-477290.
#2	.23837	16.921	1.1095	87.213	2386.5	-477310.
#3	.23785	16.935	1.1126	78.142	2390.5	-477350.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01753**	**.01334**	**2.9648**	**.53103**	**1.0398**	**.91121**
Stddev	.00164	.00160	.0033	.00258	.0100	.00358
%RSD	9.3746	12.026	.10987	.48504	.95811	.39257
#1	.01679	.01384	2.9674	.53134	1.0505	.91527
#2	.01638	.01463	2.9611	.52831	1.0307	.90851
#3	.01941	.01154	2.9658	.53343	1.0382	.90985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01295**	**.47828**	**1.3305**	**.05975**
Stddev	.00198	.00170	.0026	.00022
%RSD	15.304	.35599	.19480	.37228
#1	.01515	.48024	1.3281	.05951
#2	.01130	.47745	1.3302	.05980
#3	.01241	.47715	1.3333	.05995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090717 Acquired: 4/6/2011 21:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31691.**	**29178.**
Stddev	34.	354.
%RSD	.10767	1.2128
#1	31707.	28770.
#2	31714.	29399.
#3	31651.	29366.

Approved: April 07, 2011

Sample Name: L1103090718 Acquired: 4/6/2011 21:17:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01501**	**170.66**	**.15444**	**.21532**	**1.5734**	**.00758**
Stddev	.00056	.66	.00110	.00159	.0022	.00002
%RSD	3.7011	.38473	.71085	.73937	.14307	.32276
#1	.01540	170.50	.15329	.21707	1.5751	.00761
#2	.01438	170.09	.15547	.21493	1.5708	.00757
#3	.01527	171.38	.15456	.21396	1.5742	.00756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**355.52**	**.01025**	**.17173**	**.27594**	**17.295**	**319.86**
Stddev	1.88	.00002	.00073	.00152	.106	2.40
%RSD	.52827	.16128	.42278	.55152	.61479	.74936
#1	355.89	.01025	.17192	.27675	17.348	322.39
#2	353.48	.01024	.17235	.27689	17.365	317.62
#3	357.19	.01027	.17093	.27418	17.173	319.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.628**	**.32401**	**130.84**	**6.5142**	**.03517**	**23.320**
Stddev	.098	.00193	.40	.0189	.00029	.076
%RSD	.23632	.59435	.30497	.29002	.81569	.32541
#1	41.562	.32623	130.73	6.5088	.03512	23.287
#2	41.582	.32286	130.51	6.4986	.03547	23.267
#3	41.741	.32292	131.28	6.5352	.03491	23.407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090718 Acquired: 4/6/2011 21:17:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27557**	**18.279**	**.75389**	F **92.641**	F **3018.2**	F **-612410.**
Stddev	.00077	.074	.00142	2.371	25.7	840.
%RSD	.27964	.40597	.18769	2.5590	.85069	.13716
#1	.27575	18.307	.75234	94.604	3026.2	-612610.
#2	.27624	18.335	.75511	90.007	3039.0	-613120.
#3	.27473	18.195	.75423	93.312	2989.5	-611480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01751**	**.00982**	**2.2137**	**.59915**	**1.1495**	**1.4963**
Stddev	.00041	.00240	.0057	.00174	.0038	.0021
%RSD	2.3593	24.425	.25748	.29064	.33092	.13829
#1	.01716	.01161	2.2153	.59783	1.1483	1.4960
#2	.01740	.01076	2.2184	.59850	1.1464	1.4944
#3	.01797	.00710	2.2074	.60113	1.1537	1.4985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01536**	**.57660**	**1.4872**	**.06833**
Stddev	.00073	.00106	.0025	.00006
%RSD	4.7202	.18466	.17052	.08556
#1	.01486	.57764	1.4886	.06835
#2	.01503	.57665	1.4887	.06838
#3	.01619	.57551	1.4843	.06827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090718 Acquired: 4/6/2011 21:17:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31552.**	**29456.**
Stddev	107.	102.
%RSD	.33826	.34774
#1	31483.	29338.
#2	31499.	29516.
#3	31675.	29514.

Approved: April 07, 2011

Sample Name: L1103090719 Acquired: 4/6/2011 21:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06661**	**297.52**	**.58086**	**.48451**	**1.4046**	**.02172**
Stddev	.00009	2.32	.00248	.00977	.0089	.00010
%RSD	.14152	.78066	.42745	2.0170	.63132	.47943
#1	.06670	296.66	.58174	.49280	1.4037	.02161
#2	.06651	300.14	.58278	.48701	1.4138	.02182
#3	.06661	295.74	.57805	.47373	1.3962	.02172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**666.08**	**.03626**	**.28886**	**.31184**	F **192.11**	**802.81**
Stddev	7.03	.00018	.00061	.00097	.97	17.78
%RSD	1.0561	.50675	.20970	.31194	.50575	2.2150
#1	665.77	.03637	.28947	.31081	191.81	816.50
#2	673.26	.03635	.28884	.31275	193.20	809.23
#3	659.20	.03604	.28826	.31195	191.32	782.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					180.00	
Low Limit					-.00500	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.660**	**.74809**	**95.128**	**8.9237**	**.27048**	**8.0082**
Stddev	.135	.00233	.290	.0179	.00036	.0443
%RSD	.50717	.31167	.30504	.20046	.13146	.55325
#1	26.652	.74615	95.098	8.9113	.27088	7.9764
#2	26.799	.75068	95.431	8.9442	.27022	8.0588
#3	26.529	.74744	94.853	8.9155	.27034	7.9894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090719 Acquired: 4/6/2011 21:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40957**	**22.155**	**1.4503**	F **105.58**	F **8931.2**	F **-1954e3**
Stddev	.00102	.022	.0026	5.55	25.8	2778.
%RSD	.24969	.09991	.17903	5.2550	.28901	.14218
#1	.40917	22.161	1.4532	102.37	8943.8	-1956e3
#2	.40880	22.173	1.4494	111.99	8948.4	-1955e3
#3	.41073	22.130	1.4482	102.39	8901.6	-1951e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08886**	**.11679**	**7.3592**	**1.6728**	**1.5544**	**.49148**
Stddev	.00342	.00431	.0088	.0020	.0076	.00217
%RSD	3.8472	3.6918	.11978	.12100	.49115	.44098
#1	.08829	.11682	7.3595	1.6737	1.5501	.48946
#2	.08577	.11247	7.3679	1.6742	1.5633	.49377
#3	.09253	.12109	7.3502	1.6705	1.5500	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02813**	**1.1148**	**7.2535**	**.10754**
Stddev	.00099	.0025	.0090	.00025
%RSD	3.5160	.22529	.12463	.23436
#1	.02921	1.1127	7.2547	.10762
#2	.02789	1.1176	7.2619	.10774
#3	.02728	1.1139	7.2440	.10725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090719 Acquired: 4/6/2011 21:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31388.**	**31382.**
Stddev	47.	196.
%RSD	.14897	.62324
#1	31421.	31208.
#2	31335.	31344.
#3	31409.	31593.

Approved: April 07, 2011

Sample Name: L1103090720 Acquired: 4/6/2011 21:24:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02034**	**304.75**	**.27070**	**.58794**	**1.0998**	**.02015**
Stddev	.00037	3.65	.00094	.00156	.0065	.00002
%RSD	1.8098	1.1982	.34819	.26469	.58905	.07881
#1	.02007	304.23	.27176	.58622	1.1007	.02015
#2	.02018	301.38	.27037	.58835	1.0930	.02017
#3	.02076	308.63	.26996	.58924	1.1058	.02014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**889.48**	**.02793**	**.27735**	**.25682**	**53.509**	F **991.28**
Stddev	11.22	.00012	.00111	.00087	.428	1.49
%RSD	1.2614	.43149	.40179	.33751	.79963	.15036
#1	877.73	.02784	.27733	.25749	53.138	990.19
#2	900.08	.02806	.27848	.25713	53.977	990.68
#3	890.63	.02787	.27625	.25584	53.410	992.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.176**	**.67199**	**82.095**	**10.612**	**.22348**	**5.5427**
Stddev	.106	.00296	.486	.038	.00050	.0397
%RSD	.50185	.44102	.59216	.36149	.22347	.71560
#1	21.145	.67080	81.745	10.584	.22405	5.5373
#2	21.089	.66981	81.890	10.597	.22331	5.5060
#3	21.295	.67537	82.650	10.656	.22309	5.5848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090720 Acquired: 4/6/2011 21:24:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26615**	**19.163**	**1.1768**	F **95.861**	F **17697.**	F **-4268e3**
Stddev	.00064	.043	.0025	7.500	111.	7831.
%RSD	.24202	.22657	.20905	7.8240	.62546	.18349
#1	.26689	19.167	1.1793	97.158	17573.	-4261e3
#2	.26570	19.204	1.1743	102.63	17787.	-4266e3
#3	.26586	19.118	1.1769	87.797	17729.	-4277e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06288**	**.03915**	**7.3899**	**1.2366**	**1.6469**	**.41684**
Stddev	.00168	.00142	.0105	.0023	.0130	.00105
%RSD	2.6692	3.6188	.14164	.18581	.78793	.25187
#1	.06416	.03808	7.3813	1.2362	1.6468	.41577
#2	.06350	.04076	7.4016	1.2391	1.6340	.41688
#3	.06098	.03862	7.3870	1.2345	1.6599	.41787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.03334**	**1.1894**	**8.0375**	**.06671**
Stddev	.00235	.0035	.0176	.00002
%RSD	7.0406	.29700	.21907	.02710
#1	.03597	1.1873	8.0502	.06670
#2	.03145	1.1875	8.0449	.06670
#3	.03260	1.1935	8.0174	.06673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090720 Acquired: 4/6/2011 21:24:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30014.**	**29628.**
Stddev	28.	135.
%RSD	.09327	.45404
#1	30047.	29691.
#2	29996.	29720.
#3	30001.	29474.

Approved: April 07, 2011

Sample Name: L1103090721 Acquired: 4/6/2011 21:28:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02126**	**252.66**	**.52982**	**.55008**	**1.4657**	**.01837**
Stddev	.00052	.24	.00187	.00699	.0009	.00009
%RSD	2.4289	.09463	.35281	1.2713	.06191	.50070
#1	.02175	252.46	.53068	.54214	1.4667	.01830
#2	.02072	252.59	.53110	.55280	1.4649	.01848
#3	.02129	252.92	.52767	.55530	1.4654	.01834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**564.38**	**.02856**	**.29414**	**.38094**	**89.641**	**790.46**
Stddev	10.87	.00015	.00021	.00278	.307	11.28
%RSD	1.9257	.53786	.07149	.73059	.34294	1.4269
#1	554.21	.02862	.29397	.37951	89.988	777.54
#2	563.09	.02868	.29408	.38415	89.533	795.49
#3	575.83	.02839	.29438	.37917	89.403	798.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.073**	**.66764**	**114.85**	**8.6851**	**.22620**	**16.303**
Stddev	.041	.00193	.13	.0102	.00031	.018
%RSD	.21286	.28914	.11730	.11743	.13800	.10848
#1	19.027	.66974	114.70	8.6759	.22656	16.287
#2	19.088	.66723	114.92	8.6961	.22597	16.322
#3	19.103	.66595	114.94	8.6832	.22607	16.301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090721 Acquired: 4/6/2011 21:28:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44203**	**20.454**	**2.8701**	F **92.752**	F **5907.9**	F **-1249e3**
Stddev	.00087	.018	.0045	6.393	6.8	1286.
%RSD	.19611	.08975	.15778	6.8931	.11455	.10302
#1	.44255	20.463	2.8650	100.07	5915.0	-1249e3
#2	.44103	20.467	2.8714	89.974	5907.1	-1249e3
#3	.44250	20.433	2.8738	88.218	5901.5	-1247e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14457**	**.06157**	**5.6156**	**2.3859**	**1.5305**	**.81833**
Stddev	.00187	.00149	.0040	.0026	.0003	.00185
%RSD	1.2932	2.4278	.07094	.10897	.01880	.22578
#1	.14652	.06064	5.6202	2.3845	1.5304	.81661
#2	.14279	.06077	5.6133	2.3889	1.5302	.82028
#3	.14440	.06329	5.6133	2.3844	1.5308	.81808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02711**	**1.0866**	**5.5223**	**.09950**
Stddev	.00073	.0019	.0093	.00063
%RSD	2.6879	.17781	.16815	.63164
#1	.02792	1.0844	5.5143	.09881
#2	.02651	1.0874	5.5325	.10004
#3	.02689	1.0880	5.5202	.09966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090721 Acquired: 4/6/2011 21:28:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31694.**	**30965.**
Stddev	32.	102.
%RSD	.09970	.32875
#1	31719.	31061.
#2	31658.	30858.
#3	31704.	30976.

Approved: April 07, 2011

Sample Name: L1103085944 Acquired: 4/6/2011 21:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**56.032**	**.07980**	**.06004**	**.68545**	**.00497**	F **911.26**
Stddev	.00030	.310	.00082	.00033	.00211	.00002	10.72
%RSD	12.611	.55375	1.0267	.54450	.30738	.30559	1.1768
#1	.00240	55.677	.08008	.06037	.68366	.00495	904.98
#2	.00204	56.250	.08045	.06003	.68777	.00497	923.64
#3	.00263	56.170	.07888	.05972	.68492	.00498	905.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.03880**	**.08659**	**.51261**	**89.021**	**12.220**	**.11665**
Stddev	.00008	.00003	.00048	.00626	.335	.044	.00054
%RSD	1.1572	.07100	.55651	1.2210	.37673	.36079	.45966
#1	.00706	.03878	.08708	.50799	88.812	12.169	.11607
#2	.00692	.03880	.08612	.51974	89.408	12.238	.11675
#3	.00706	.03883	.08658	.51011	88.843	12.251	.11712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.973**	**5.0354**	**.00507**	**.25636**	**.08070**	**3.5911**	**.37568**
Stddev	.054	.0091	.00009	.00426	.00067	.0288	.00383
%RSD	.18652	.18147	1.8061	1.6612	.83235	.80206	1.0194
#1	29.027	5.0267	.00498	.25199	.08026	3.5858	.37606
#2	28.918	5.0345	.00516	.26050	.08038	3.5654	.37167
#3	28.974	5.0449	.00507	.25659	.08148	3.6222	.37930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085944 Acquired: 4/6/2011 21:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **72.585**	F **1153.3**	F **-24883.**	**.01006**	**.00736**	**1.4554**	**.00665**
Stddev	12.251	3.0	108.	.00041	.00059	.0120	.00023
%RSD	16.877	.25932	.43250	4.0668	8.0716	.82436	3.4871
#1	58.983	1152.0	-24764.	.01001	.00730	1.4541	.00664
#2	76.022	1151.1	-24910.	.01049	.00797	1.4441	.00690
#3	82.750	1156.7	-24974.	.00968	.00679	1.4680	.00643
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28041**	**.15951**	**.00317**	**.14460**	**.50015**	**.02247**
Stddev	.00184	.00062	.00045	.00065	.00087	.00025
%RSD	.65625	.38701	14.270	.45227	.17304	1.0904
#1	.27892	.15910	.00370	.14450	.50018	.02250
#2	.27985	.15921	.00290	.14400	.49927	.02221
#3	.28247	.16022	.00292	.14530	.50100	.02270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31580.**	**28377.**
Stddev	109.	84.
%RSD	.34635	.29626
#1	31539.	28280.
#2	31704.	28429.
#3	31497.	28423.

Approved: April 07, 2011

Sample Name: L1103085944S Acquired: 4/6/2011 21:35:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10283**	**52.554**	**.17488**	**.05797**	**.66174**	**.00479**	**886.67**
Stddev	.00075	.094	.00153	.00067	.00155	.00001	9.51
%RSD	.72955	.17814	.87662	1.1636	.23488	.12932	1.0726
#1	.10297	52.661	.17660	.05759	.66353	.00478	896.65
#2	.10349	52.489	.17366	.05874	.66093	.00479	885.63
#3	.10202	52.512	.17438	.05756	.66075	.00479	877.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01900**	**.03822**	**.08343**	**.61373**	**82.634**	**11.678**	**.11192**
Stddev	.00010	.00030	.00034	.00305	.249	.048	.00133
%RSD	.54296	.79288	.40299	.49699	.30179	.40765	1.1888
#1	.01905	.03851	.08347	.61569	82.596	11.697	.11071
#2	.01907	.03824	.08307	.61528	82.900	11.714	.11170
#3	.01888	.03791	.08374	.61021	82.405	11.624	.11334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.058**	**4.5662**	**.00397**	**.24592**	**.07785**	**3.5725**	**.47023**
Stddev	.026	.0063	.00012	.00368	.00064	.0357	.00412
%RSD	.09790	.13702	3.0114	1.4955	.81989	.99954	.87544
#1	27.029	4.5593	.00404	.24236	.07825	3.5882	.47165
#2	27.061	4.5678	.00383	.24971	.07820	3.5978	.47344
#3	27.082	4.5716	.00404	.24569	.07712	3.5317	.46558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085944S Acquired: 4/6/2011 21:35:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **64.410**	F **1127.9**	F **-24129.**	**.01128**	**.00424**	**1.6990**	**.00650**
Stddev	5.783	4.6	263.	.00059	.00067	.0229	.00030
%RSD	8.9781	.41094	1.0910	5.2490	15.886	1.3472	4.5778
#1	65.560	1130.7	-24253.	.01150	.00423	1.7072	.00663
#2	69.531	1130.4	-24308.	.01061	.00357	1.7167	.00672
#3	58.139	1122.5	-23827.	.01174	.00492	1.6732	.00616
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26694**	**.17011**	**.00381**	**.14006**	**.45978**	**.02174**
Stddev	.00092	.00141	.00122	.00010	.00188	.00011
%RSD	.34559	.83080	31.915	.07463	.40870	.52557
#1	.26611	.16849	.00448	.14004	.46095	.02186
#2	.26678	.17073	.00241	.14017	.46078	.02173
#3	.26793	.17111	.00455	.13996	.45762	.02164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31285.**	**28791.**
Stddev	87.	96.
%RSD	.27889	.33467
#1	31194.	28681.
#2	31291.	28832.
#3	31368.	28860.

Approved: April 07, 2011

Sample Name: L1103085944SD Acquired: 4/6/2011 21:39:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12234**	**55.469**	**.18040**	**.05832**	**.66244**	**.00498**	**869.31**
Stddev	.00032	.297	.00203	.00129	.00276	.00002	13.95
%RSD	.25751	.53632	1.1227	2.2050	.41736	.44555	1.6044
#1	.12266	55.654	.18229	.05970	.66057	.00500	881.77
#2	.12203	55.126	.17826	.05716	.66113	.00498	854.24
#3	.12234	55.627	.18066	.05809	.66562	.00495	871.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**.03898**	**.09367**	**.63823**	**86.747**	**12.237**	**.11594**
Stddev	.00010	.00020	.00022	.00134	.439	.043	.00110
%RSD	.49317	.50623	.23731	.20938	.50585	.35122	.94637
#1	.01956	.03882	.09389	.63764	86.402	12.219	.11476
#2	.01951	.03920	.09345	.63730	86.597	12.206	.11611
#3	.01969	.03892	.09367	.63976	87.241	12.286	.11694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.968**	**4.5640**	**.00464**	**.25115**	**.08266**	**3.6920**	**.49008**
Stddev	.131	.0135	.00012	.00349	.00068	.0119	.00204
%RSD	.46888	.29638	2.6451	1.3916	.82424	.32118	.41540
#1	27.922	4.5625	.00454	.25480	.08188	3.6984	.49204
#2	27.867	4.5513	.00478	.24783	.08313	3.6993	.49023
#3	28.116	4.5782	.00460	.25083	.08297	3.6783	.48797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085944SD Acquired: 4/6/2011 21:39:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **75.932**	F **1152.8**	F **-24187.**	**.01214**	**.00791**	**1.4283**	**.00737**
Stddev	2.774	3.0	94.	.00060	.00166	.0063	.00027
%RSD	3.6533	.26301	.38685	4.9037	20.955	.44151	3.6018
#1	76.271	1150.1	-24255.	.01244	.00940	1.4351	.00743
#2	78.522	1152.3	-24225.	.01146	.00613	1.4274	.00759
#3	73.005	1156.1	-24080.	.01253	.00819	1.4226	.00707
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27078**	**.19203**	**.00340**	**.15192**	**.48195**	**.02276**
Stddev	.00041	.00128	.00102	.00032	.00125	.00014
%RSD	.15259	.66559	29.849	.21169	.25885	.62892
#1	.27121	.19320	.00389	.15200	.48061	.02289
#2	.27038	.19067	.00223	.15157	.48216	.02279
#3	.27075	.19223	.00408	.15220	.48308	.02260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31072.**	**29136.**
Stddev	70.	181.
%RSD	.22660	.62075
#1	31114.	29141.
#2	31110.	29314.
#3	30990.	28952.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 21:43:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43131**	**9.4560**	**.42212**	**.52229**	**.96310**	**.05122**	**9.5039**
Stddev	.00405	.0462	.00306	.00137	.00509	.00022	.0541
%RSD	.94002	.48863	.72603	.26195	.52832	.43060	.56953
#1	.43405	9.4298	.41880	.52279	.96776	.05146	9.5069
#2	.43323	9.5093	.42272	.52333	.96389	.05118	9.5564
#3	.42665	9.4288	.42484	.52074	.95767	.05102	9.4483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05344**	**.21418**	**.51373**	**.53584**	**3.8708**	**48.459**	**.98010**
Stddev	.00004	.00029	.00159	.00044	.0160	.192	.00372
%RSD	.06755	.13632	.30929	.08193	.41336	.39609	.37938
#1	.05344	.21392	.51554	.53567	3.8846	48.498	.98298
#2	.05347	.21449	.51308	.53634	3.8745	48.629	.98141
#3	.05340	.21414	.51256	.53551	3.8532	48.251	.97590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8726**	**.50259**	**.98923**	**47.848**	**.52387**	F **-.00003**	**.53645**
Stddev	.0280	.00231	.00271	.309	.00074	.00051	.00297
%RSD	.28389	.45894	.27446	.64635	.14162	1705.3	.55434
#1	9.8496	.50181	.98698	47.740	.52317	-.00061	.53304
#2	9.9038	.50519	.98845	48.196	.52465	.00034	.53779
#3	9.8644	.50078	.99225	47.606	.52379	.00018	.53852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 21:43:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **35.714**	**10.814**	F **5.4008**	**1.3021**	**.42777**	F **.01651**	**1.0608**
Stddev	14.465	.058	11.688	.0041	.00176	.00093	.0010
%RSD	40.502	.53439	216.41	.31792	.41088	5.6526	.08940
#1	48.228	10.750	13.340	1.2997	.42907	.01685	1.0601
#2	39.037	10.863	-8.0206	1.2997	.42848	.01722	1.0604
#3	19.877	10.828	10.883	1.3069	.42577	.01545	1.0619
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97027**	**.99734**	**.54406**	**1.0396**	**1.0250**	F **.00068**
Stddev	.00614	.00389	.00211	.0047	.0009	.00017
%RSD	.63328	.39052	.38828	.45641	.09145	24.762
#1	.96934	.99914	.54598	1.0417	1.0242	.00075
#2	.97683	1.0000	.54180	1.0429	1.0248	.00049
#3	.96464	.99287	.54439	1.0342	1.0260	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32626.**	**27886.**
Stddev	37.	247.
%RSD	.11262	.88540
#1	32589.	28161.
#2	32626.	27684.
#3	32662.	27812.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:46:23 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.02913**	**-.00027**	**-.00274**	**-.00035**	**.00003**	**.00136**
Stddev	.00056	.00808	.00133	.00061	.00009	.00001	.00093
%RSD	108.65	27.752	486.40	22.280	25.881	28.470	67.968
#1	.00048	-.03831	-.00112	-.00308	-.00037	.00002	.00184
#2	.00109	-.02311	.00126	-.00204	-.00043	.00003	.00195
#3	-.00002	-.02596	-.00096	-.00310	-.00025	.00004	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00001**	**-.00025**	**-.00049**	**-.00025**	**.15942**	**.00015**
Stddev	.00008	.00007	.00032	.00040	.00173	.01165	.00113
%RSD	1617.7	580.14	126.81	81.179	686.44	7.3104	754.07
#1	-.00003	-.00002	.00009	-.00093	.00160	.17281	-.00088
#2	.00009	.00006	-.00031	-.00016	-.00053	.15383	.00137
#3	-.00005	-.00008	-.00053	-.00037	-.00182	.15161	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**-.00027**	**.00011**	**.03311**	**-.00008**	**-.00326**	**.00021**
Stddev	.00888	.00015	.00008	.00559	.00021	.00088	.00096
%RSD	87.629	57.870	69.047	16.884	269.10	27.088	451.68
#1	.01970	-.00009	.00017	.03415	.00016	-.00312	.00120
#2	.00853	-.00038	.00002	.03810	-.00023	-.00421	-.00071
#3	.00216	-.00033	.00013	.02707	-.00017	-.00246	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:46:23 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **28.638**	F **.05883**	F **-6.8737**	**.00101**	**.00120**	**-.00083**	**-.00026**
Stddev	10.201	.02611	2.5565	.00135	.00147	.00072	.00027
%RSD	35.619	44.386	37.192	133.66	122.95	85.955	102.22
#1	36.940	.08873	-6.9656	.00257	.00285	-.00018	-.00010
#2	31.723	.04725	-4.2724	.00026	.00002	-.00072	-.00012
#3	17.251	.04051	-9.3829	.00020	.00073	-.00160	-.00057
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00016**	**.00051**	**-.00003**	**-.00021**	**-.00002**
Stddev	.00003	.00035	.00039	.00013	.00009	.00010
%RSD	444.61	218.78	76.283	382.29	40.951	425.19
#1	-.00002	-.00004	.00036	.00012	-.00017	.00003
#2	-.00002	.00056	.00095	-.00012	-.00015	-.00015
#3	.00002	-.00005	.00022	-.00010	-.00031	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33426.**	**27560.**
Stddev	33.	109.
%RSD	.09883	.39724
#1	33403.	27444.
#2	33412.	27661.
#3	33464.	27574.

Approved: April 07, 2011

Sample Name: PBS 95 Acquired: 4/6/2011 21:50:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.02468**	**-.00167**	**-.00284**	**.00022**	**.00004**	**.04176**
Stddev	.00033	.01226	.00058	.00020	.00007	.00001	.00515
%RSD	228.79	49.691	34.729	7.1077	32.971	18.980	12.339
#1	-.00036	-.01366	-.00182	-.00281	.00030	.00004	.04632
#2	-.00032	-.03789	-.00103	-.00265	.00019	.00005	.03617
#3	.00024	-.02248	-.00216	-.00305	.00017	.00003	.04278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00044**	**.00053**	**-.00009**	**.02381**	**.57890**	**.00013**
Stddev	.00003	.00016	.00019	.00012	.00026	.01444	.00081
%RSD	11.953	35.822	35.992	140.01	1.0946	2.4938	608.23
#1	.00021	-.00047	.00040	-.00014	.02357	.57337	.00072
#2	.00026	-.00058	.00044	-.00017	.02377	.59528	.00047
#3	.00021	-.00027	.00075	.00005	.02409	.56804	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**.00021**	**.00029**	**.07629**	**.00067**	F **-.01147**	**-.00043**
Stddev	.00395	.00011	.00006	.00246	.00029	.00302	.00050
%RSD	61.600	51.111	20.731	3.2260	43.244	26.310	117.64
#1	.00338	.00025	.00022	.07912	.00062	-.01355	-.00082
#2	.01088	.00029	.00033	.07510	.00098	-.01286	-.00060
#3	.00497	.00009	.00031	.07466	.00040	-.00801	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 95 Acquired: 4/6/2011 21:50:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **41.621**	F **9.6525**	F **-2192.5**	**.00213**	**.00183**	**.00830**	**.00065**
Stddev	4.005	.0631	13.3	.00087	.00083	.00069	.00021
%RSD	9.6215	.65359	.60454	41.126	45.358	8.3612	32.996
#1	41.527	9.5903	-2190.8	.00120	.00087	.00776	.00063
#2	45.672	9.7165	-2206.6	.00225	.00226	.00806	.00087
#3	37.665	9.6506	-2180.2	.00293	.00235	.00908	.00044
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00107**	**-.00161**	**-.00029**	**.00187**	**-.00002**
Stddev	.00002	.00051	.00067	.00011	.00002	.00002
%RSD	164.49	47.828	41.270	36.902	1.0517	119.90
#1	-.00001	.00088	-.00134	-.00019	.00188	.00000
#2	.00004	.00068	-.00237	-.00027	.00184	-.00005
#3	.00002	.00165	-.00113	-.00041	.00188	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33032.**	**27568.**
Stddev	37.	62.
%RSD	.11121	.22629
#1	33003.	27533.
#2	33020.	27640.
#3	33073.	27530.

Approved: April 07, 2011

Sample Name: LCSS 95 Acquired: 4/6/2011 21:53:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20205**	**-.01181**	**.19926**	**-.00283**	**.00060**	**.00007**	**.03401**
Stddev	.00200	.00362	.00059	.00002	.00014	.00001	.00311
%RSD	.99040	30.687	.29468	.87856	22.925	18.829	9.1445
#1	.20189	-.00960	.19952	-.00284	.00062	.00008	.03443
#2	.20013	-.00984	.19967	-.00280	.00072	.00006	.03689
#3	.20412	-.01599	.19859	-.00285	.00045	.00007	.03071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02546**	**-.00026**	**.00061**	**.26719**	**.01415**	**.11497**	**.00070**
Stddev	.00008	.00014	.00034	.00085	.00226	.01537	.00063
%RSD	.29926	52.997	56.164	.31867	15.951	13.372	90.857
#1	.02555	-.00011	.00100	.26816	.01367	.10280	.00075
#2	.02540	-.00037	.00046	.26680	.01660	.10986	.00004
#3	.02543	-.00030	.00036	.26660	.01217	.13225	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.26202**	**.00006**	**.07021**	**.00063**	F **-.01089**	**.27008**
Stddev	.00315	.00133	.00008	.00737	.00017	.00103	.00214
%RSD	74.191	.50690	128.16	10.491	26.795	9.5017	.79181
#1	.00200	.26155	.00014	.07701	.00053	-.00983	.27255
#2	.00784	.26352	.00007	.07124	.00082	-.01190	.26875
#3	.00289	.26099	-.00002	.06239	.00052	-.01094	.26894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 95 Acquired: 4/6/2011 21:53:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **37.425**	**.17011**	F **-30.709**	**.00204**	**.00139**	**.00876**	**.00031**
Stddev	10.018	.01080	5.358	.00105	.00272	.00071	.00031
%RSD	26.767	6.3475	17.449	51.476	195.76	8.0499	99.208
#1	48.904	.15956	-36.752	.00228	-.00078	.00874	.00026
#2	30.451	.18114	-28.837	.00089	.00051	.00948	.00003
#3	32.920	.16962	-26.537	.00296	.00444	.00807	.00065
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00138**	**-.00169**	**-.00021**	**.00306**	**-.00003**
Stddev	.00004	.00045	.00110	.00010	.00001	.00000
%RSD	56.756	32.637	65.150	50.378	.48275	15.056
#1	-.00008	.00102	-.00244	-.00033	.00305	-.00003
#2	-.00003	.00124	-.00220	-.00014	.00308	-.00004
#3	-.00011	.00189	-.00043	-.00015	.00307	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32792.**	**27584.**
Stddev	72.	173.
%RSD	.21986	.62541
#1	32721.	27783.
#2	32865.	27467.
#3	32791.	27503.

Approved: April 07, 2011

Sample Name: L1103090722 Acquired: 4/6/2011 21:57:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**216.94**	**.49204**	**.45089**	**1.1109**	**.01697**
Stddev	.00082	1.04	.00172	.00706	.0043	.00004
%RSD	5.0577	.47973	.34982	1.5656	.39160	.22473
#1	.01563	216.71	.49207	.44604	1.1159	.01696
#2	.01571	218.08	.49375	.45899	1.1083	.01702
#3	.01708	216.04	.49031	.44765	1.1084	.01695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**673.34**	**.02178**	**.26207**	**.34294**	**78.960**	**585.30**
Stddev	5.89	.00014	.00088	.00088	.285	7.72
%RSD	.87465	.63085	.33625	.25654	.36080	1.3194
#1	668.48	.02166	.26212	.34244	79.029	579.96
#2	679.89	.02193	.26293	.34395	79.204	594.15
#3	671.64	.02176	.26117	.34242	78.646	581.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.552**	**.46350**	**114.26**	**7.4471**	**.11216**	**21.273**
Stddev	.030	.00237	.32	.0109	.00017	.108
%RSD	.19482	.51060	.27590	.14697	.15502	.50661
#1	15.558	.46276	113.90	7.4453	.11218	21.263
#2	15.578	.46614	114.46	7.4588	.11198	21.386
#3	15.519	.46158	114.42	7.4372	.11233	21.171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722 Acquired: 4/6/2011 21:57:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41973**	**18.683**	**5.1132**	F **82.171**	F **9479.5**	F **-2105e3**
Stddev	.00148	.035	.0061	8.765	79.1	3587.
%RSD	.35366	.18507	.11937	10.667	.83419	.17036
#1	.41940	18.692	5.1063	88.097	9516.4	-2107e3
#2	.42135	18.712	5.1180	86.313	9533.4	-2107e3
#3	.41844	18.645	5.1152	72.102	9388.7	-2101e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20949**	**.06013**	**6.6757**	**1.3018**	**1.6548**	**.70642**
Stddev	.00207	.00461	.0187	.0014	.0075	.00115
%RSD	.98712	7.6702	.27959	.11059	.45038	.16311
#1	.21155	.05550	6.6805	1.3024	1.6568	.70767
#2	.20951	.06473	6.6915	1.3028	1.6611	.70616
#3	.20741	.06017	6.6551	1.3001	1.6466	.70541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02224**	**.92072**	**3.8096**	**.09782**
Stddev	.00128	.00278	.0051	.00071
%RSD	5.7424	.30201	.13455	.72845
#1	.02362	.92075	3.8036	.09728
#2	.02201	.91792	3.8124	.09863
#3	.02110	.92348	3.8126	.09754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722 Acquired: 4/6/2011 21:57:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31063.**	**29567.**
Stddev	24.	253.
%RSD	.07780	.85467
#1	31075.	29854.
#2	31035.	29379.
#3	31078.	29467.

Approved: April 07, 2011

Sample Name: L1103090722PS Acquired: 4/6/2011 22:00:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360988-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22344**	**203.45**	**.64635**	**1.3525**	**1.4756**	**.04043**
Stddev	.00209	.27	.00062	.0045	.0017	.00025
%RSD	.93672	.13461	.09567	.32969	.11475	.61292
#1	.22584	203.76	.64700	1.3575	1.4759	.04072
#2	.22241	203.31	.64577	1.3511	1.4771	.04028
#3	.22205	203.27	.64628	1.3490	1.4738	.04031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**629.39**	**.04493**	**.33097**	**.54704**	**72.382**	**552.22**
Stddev	3.39	.00004	.00036	.00219	.755	6.60
%RSD	.53820	.08111	.10971	.40068	1.0427	1.1959
#1	633.03	.04492	.33136	.54932	72.912	559.78
#2	628.80	.04497	.33064	.54495	72.715	547.53
#3	626.33	.04490	.33092	.54683	71.518	549.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.433**	**.89789**	**109.56**	**7.0548**	**.57725**	**42.703**
Stddev	.026	.00244	.02	.0012	.00017	.051
%RSD	.07072	.27160	.01801	.01684	.02881	.11918
#1	37.459	.89602	109.58	7.0537	.57708	42.761
#2	37.435	.90065	109.56	7.0545	.57741	42.675
#3	37.406	.89700	109.54	7.0561	.57726	42.671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722PS Acquired: 4/6/2011 22:00:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360988-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61056**	**17.041**	**4.9103**	F **67.762**	F **8569.1**	F **-1934e3**
Stddev	.00072	.005	.0016	6.553	27.7	1710.
%RSD	.11771	.03147	.03331	9.6705	.32330	.08841
#1	.60980	17.040	4.9091	74.946	8599.0	-1935e3
#2	.61064	17.036	4.9122	66.226	8544.2	-1932e3
#3	.61123	17.047	4.9097	62.113	8564.2	-1935e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77198**	**.24836**	**8.5774**	**1.1890**	**1.9602**	**1.1055**
Stddev	.00150	.00104	.0107	.0010	.0021	.0019
%RSD	.19446	.41999	.12434	.08591	.10754	.17328
#1	.77165	.24932	8.5854	1.1893	1.9624	1.1039
#2	.77068	.24851	8.5653	1.1878	1.9598	1.1076
#3	.77362	.24725	8.5816	1.1898	1.9583	1.1051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.23546**	**1.3361**	**3.9324**	**.09067**
Stddev	.00188	.0047	.0027	.00029
%RSD	.79880	.35203	.06894	.32068
#1	.23349	1.3415	3.9331	.09095
#2	.23724	1.3337	3.9346	.09037
#3	.23565	1.3330	3.9293	.09070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722PS Acquired: 4/6/2011 22:00:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360988-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31090.**	**29120.**
Stddev	27.	141.
%RSD	.08613	.48339
#1	31059.	28963.
#2	31100.	29234.
#3	31109.	29164.

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**48.398**	**.10869**	**.11175**	**.24522**	**.00357**
Stddev	.00050	.128	.00052	.00008	.00025	.00000
%RSD	14.265	.26496	.47422	.07545	.10144	.10837
#1	.00407	48.444	.10848	.11184	.24527	.00358
#2	.00340	48.496	.10830	.11171	.24544	.00358
#3	.00308	48.253	.10927	.11168	.24495	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**164.95**	**.00496**	**.05957**	**.07550**	**18.205**	**142.32**
Stddev	.35	.00010	.00016	.00032	.084	.19
%RSD	.21502	2.0035	.27106	.41966	.46005	.13390
#1	165.01	.00501	.05942	.07515	18.153	142.54
#2	165.27	.00502	.05956	.07576	18.160	142.20
#3	164.57	.00484	.05974	.07560	18.302	142.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5874**	**.09906**	**27.402**	**1.7107**	**.02431**	**4.6773**
Stddev	.0106	.00092	.057	.0038	.00022	.0037
%RSD	.29431	.92975	.20892	.22447	.89952	.07876
#1	3.5944	.09916	27.396	1.7129	.02422	4.6802
#2	3.5752	.09992	27.462	1.7129	.02456	4.6784
#3	3.5925	.09809	27.348	1.7062	.02416	4.6731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09694**	**4.2377**	**1.2179**	F **9.6629**	F **2253.7**	F **-484410.**
Stddev	.00038	.0120	.0030	8.5061	16.0	1521.
%RSD	.39224	.28298	.24572	88.028	.70930	.31393
#1	.09652	4.2252	1.2184	10.572	2243.7	-483090.
#2	.09727	4.2388	1.2147	.73875	2245.3	-484060.
#3	.09701	4.2492	1.2207	17.678	2272.2	-486070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04625**	**.01348**	**1.4800**	**.30557**	**.36342**	**.15715**
Stddev	.00166	.00127	.0051	.00088	.00074	.00091
%RSD	3.5812	9.4132	.34295	.28773	.20290	.58014
#1	.04790	.01479	1.4744	.30456	.36342	.15789
#2	.04458	.01340	1.4812	.30616	.36415	.15743
#3	.04626	.01225	1.4844	.30599	.36268	.15613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00582**	**.19668**	**.88252**	**.02048**
Stddev	.00069	.00084	.00287	.00016
%RSD	11.926	.42669	.32468	.76998
#1	.00610	.19721	.88115	.02066
#2	.00503	.19572	.88060	.02036
#3	.00633	.19713	.88582	.02041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360988-02

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32636.**	**27301.**
Stddev	153.	186.
%RSD	.46769	.68074
#1	32743.	27472.
#2	32702.	27103.
#3	32461.	27328.

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:08:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**9.9743**	**.02497**	**.02116**	**.04999**	**.00073**
Stddev	.00015	.0182	.00066	.00033	.00013	.00001
%RSD	15.590	.18288	2.6266	1.5646	.26353	1.6102
#1	.00090	9.9595	.02439	.02135	.04992	.00072
#2	.00111	9.9686	.02484	.02078	.04990	.00073
#3	.00083	9.9947	.02568	.02134	.05014	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.931**	**.00087**	**.01297**	**.01545**	**3.8876**	**29.214**
Stddev	.096	.00004	.00021	.00017	.0088	.064
%RSD	.28340	4.3411	1.6143	1.1011	.22505	.21981
#1	33.970	.00083	.01276	.01532	3.8789	29.269
#2	33.822	.00088	.01318	.01564	3.8874	29.144
#3	34.002	.00090	.01296	.01539	3.8964	29.230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78119**	**.01975**	**5.7529**	**.35823**	**.00466**	**.96420**
Stddev	.00366	.00104	.0174	.00070	.00018	.00486
%RSD	.46910	5.2557	.30291	.19563	3.9181	.50374
#1	.78536	.01931	5.7636	.35761	.00486	.96229
#2	.77846	.02093	5.7328	.35899	.00461	.96058
#3	.77976	.01900	5.7624	.35809	.00450	.96972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:08:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02014**	**.90474**	**.26772**	**2.3804**	F **487.92**	F **-101900.**
Stddev	.00044	.00148	.00158	10.445	1.13	185.
%RSD	2.1866	.16357	.58880	438.78	.23135	.18126
#1	.02032	.90645	.26927	-8.1020	486.66	-101680.
#2	.02047	.90381	.26612	2.4561	488.27	-102000.
#3	.01964	.90397	.26778	12.787	488.83	-102010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					9.0000	9.0000
Low Limit					-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**.00139**	**.30849**	**.06397**	**.07500**	**.03186**
Stddev	.00141	.00136	.00309	.00049	.00016	.00029
%RSD	16.969	98.235	1.0027	.76302	.20916	.90335
#1	.00687	.00278	.31203	.06452	.07509	.03189
#2	.00969	.00006	.30632	.06380	.07482	.03155
#3	.00838	.00133	.30712	.06360	.07509	.03213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00145**	**.04033**	**.19124**	**.00314**
Stddev	.00073	.00036	.00098	.00009
%RSD	50.126	.88503	.51448	2.7443
#1	.00228	.04007	.19028	.00319
#2	.00116	.04018	.19120	.00320
#3	.00092	.04073	.19225	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:08:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360988-02

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33345.**	**27030.**
Stddev	53.	64.
%RSD	.15793	.23797
#1	33406.	26982.
#2	33315.	27103.
#3	33315.	27004.

Approved: April 07, 2011

Sample Name: L1103090723 Acquired: 4/6/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06002**	**64.668**	**.39338**	**.18548**	**.74286**	**.00628**
Stddev	.00132	.424	.00305	.00301	.00255	.00003
%RSD	2.1952	.65598	.77407	1.6206	.34288	.50191
#1	.06021	64.179	.39576	.18551	.73995	.00632
#2	.06123	64.896	.39442	.18246	.74468	.00626
#3	.05862	64.930	.38995	.18847	.74397	.00627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**528.02**	**.01744**	**.11981**	**.21735**	**169.54**	**237.72**
Stddev	2.44	.00003	.00025	.00068	1.02	2.14
%RSD	.46199	.18366	.20480	.31063	.60153	.89901
#1	528.95	.01744	.12007	.21810	170.71	236.46
#2	525.25	.01741	.11978	.21678	168.89	236.51
#3	529.85	.01748	.11959	.21717	169.01	240.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6491**	**.19386**	**51.145**	**3.5747**	**.14488**	**23.411**
Stddev	.0266	.00062	.258	.0076	.00009	.122
%RSD	.27578	.32004	.50481	.21293	.06452	.52115
#1	9.6223	.19332	50.883	3.5695	.14489	23.270
#2	9.6495	.19454	51.153	3.5712	.14496	23.476
#3	9.6755	.19373	51.400	3.5834	.14478	23.487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090723 Acquired: 4/6/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21593**	**7.6243**	**.62442**	F **58.756**	F **4110.5**	F **-816140.**
Stddev	.00122	.0235	.00234	3.744	28.1	786.
%RSD	.56419	.30791	.37492	6.3719	.68441	.09627
#1	.21687	7.6456	.62711	57.134	4139.5	-817000.
#2	.21637	7.6283	.62330	56.097	4108.6	-815970.
#3	.21455	7.5991	.62285	63.038	4083.4	-815450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03357**	**.08560**	**2.0906**	**.36815**	**1.1028**	**.16703**
Stddev	.00226	.00260	.0108	.00250	.0038	.00101
%RSD	6.7226	3.0421	.51700	.68014	.34640	.60610
#1	.03577	.08556	2.1005	.37104	1.0984	.16652
#2	.03126	.08302	2.0923	.36686	1.1052	.16639
#3	.03369	.08823	2.0791	.36656	1.1047	.16820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00710**	**.31487**	**1.3680**	**.03561**
Stddev	.00175	.00158	.0048	.00024
%RSD	24.573	.50257	.34828	.67934
#1	.00888	.31668	1.3735	.03582
#2	.00540	.31372	1.3654	.03535
#3	.00703	.31422	1.3650	.03568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090723 Acquired: 4/6/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30593.**	**28342.**
Stddev	137.	163.
%RSD	.44746	.57623
#1	30435.	28498.
#2	30668.	28355.
#3	30677.	28172.

Approved: April 07, 2011

Sample Name: L1103090724 Acquired: 4/6/2011 22:15:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02565**	**86.487**	**.29066**	**.26360**	**.62302**	**.00687**
Stddev	.00058	.323	.00402	.00388	.00237	.00005
%RSD	2.2475	.37351	1.3830	1.4725	.38068	.73739
#1	.02519	86.115	.28995	.26049	.62074	.00688
#2	.02630	86.691	.29499	.26236	.62285	.00691
#3	.02546	86.656	.28704	.26795	.62547	.00681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**489.50**	**.01538**	**.12155**	**.27300**	**85.564**	**313.44**
Stddev	9.81	.00006	.00098	.00212	.272	6.77
%RSD	2.0046	.41574	.80781	.77514	.31796	2.1597
#1	485.24	.01546	.12244	.27355	85.777	309.22
#2	482.53	.01536	.12171	.27478	85.257	309.85
#3	500.72	.01533	.12050	.27066	85.656	321.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7023**	**.20794**	**51.778**	**3.8079**	**.09193**	**28.917**
Stddev	.0351	.00101	.066	.0035	.00020	.055
%RSD	.40297	.48364	.12661	.09205	.21539	.19137
#1	8.6631	.20699	51.739	3.8119	.09187	28.871
#2	8.7131	.20784	51.742	3.8063	.09177	28.978
#3	8.7307	.20899	51.854	3.8055	.09215	28.902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090724 Acquired: 4/6/2011 22:15:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23681**	**8.4012**	**.84432**	F **54.364**	F **6160.8**	F **-1348e3**
Stddev	.00129	.0415	.00311	10.817	59.7	3252.
%RSD	.54415	.49438	.36834	19.897	.96835	.24127
#1	.23765	8.4389	.84631	59.607	6212.4	-1351e3
#2	.23745	8.4080	.84592	61.560	6174.5	-1347e3
#3	.23533	8.3566	.84074	41.925	6095.5	-1345e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04218**	**.04217**	**2.7679**	**.48614**	**1.1916**	**.22987**
Stddev	.00208	.00224	.0133	.00465	.0023	.00053
%RSD	4.9392	5.3134	.48196	.95566	.19373	.23086
#1	.04444	.03959	2.7796	.49039	1.1892	.22989
#2	.04035	.04361	2.7708	.48685	1.1938	.23039
#3	.04174	.04332	2.7534	.48118	1.1917	.22933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01060**	**.36569**	**2.2999**	**.03436**
Stddev	.00100	.00035	.0052	.00021
%RSD	9.4605	.09455	.22380	.61822
#1	.01119	.36529	2.3026	.03412
#2	.01116	.36589	2.3032	.03443
#3	.00944	.36589	2.2940	.03452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090724 Acquired: 4/6/2011 22:15:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31029.**	**27900.**
Stddev	147.	324.
%RSD	.47407	1.1627
#1	30941.	27995.
#2	30947.	28166.
#3	31199.	27538.

Approved: April 07, 2011

Sample Name: L1103090725 Acquired: 4/6/2011 22:18:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**85.494**	**.26742**	**.21819**	**1.0486**	**.00462**	**288.44**
Stddev	.00084	.400	.00095	.00117	.0035	.00003	1.03
%RSD	9.2615	.46734	.35540	.53686	.33164	.54653	.35538
#1	.00837	85.052	.26670	.21724	1.0450	.00464	287.31
#2	.00999	85.829	.26707	.21784	1.0520	.00462	289.30
#3	.00882	85.602	.26850	.21950	1.0488	.00459	288.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.11815**	**.27766**	**7.0506**	**228.40**	**25.643**	**.22574**
Stddev	.00005	.00032	.00131	.0139	1.24	.103	.00039
%RSD	.43061	.26739	.47011	.19755	.54213	.40293	.17297
#1	.01115	.11802	.27897	7.0406	226.97	25.524	.22529
#2	.01108	.11851	.27766	7.0665	229.00	25.712	.22600
#3	.01105	.11792	.27636	7.0447	229.22	25.692	.22593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**86.759**	**5.2995**	**.05172**	**9.3565**	**.19185**	**14.519**	**.31954**
Stddev	.549	.0135	.00010	.0217	.00095	.021	.00175
%RSD	.63288	.25482	.19246	.23216	.49384	.14558	.54903
#1	86.201	5.2879	.05182	9.3408	.19153	14.499	.32116
#2	86.778	5.2964	.05172	9.3813	.19291	14.541	.31979
#3	87.298	5.3143	.05162	9.3474	.19110	14.517	.31768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090725 Acquired: 4/6/2011 22:18:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **80.935**	F **595.00**	F **-68659.**	**.01189**	**.00972**	**1.4663**	**.07275**
Stddev	2.289	1.69	126.	.00201	.00245	.0058	.00044
%RSD	2.8278	.28351	.18331	16.932	25.193	.39585	.60177
#1	81.646	593.56	-68621.	.01068	.00711	1.4722	.07306
#2	78.375	596.85	-68799.	.01078	.01008	1.4661	.07294
#3	82.784	594.58	-68556.	.01422	.01197	1.4606	.07225
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1235**	**.76945**	**.01056**	**.45115**	**1.4385**	**.04562**
Stddev	.0027	.00297	.00048	.00196	.0012	.00022
%RSD	.23882	.38640	4.5857	.43389	.08416	.47836
#1	1.1233	.76611	.01073	.45341	1.4386	.04574
#2	1.1262	.77180	.01002	.45006	1.4397	.04574
#3	1.1209	.77045	.01094	.44997	1.4373	.04536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31262.**	**28129.**
Stddev	107.	170.
%RSD	.34369	.60430
#1	31159.	28216.
#2	31255.	28238.
#3	31373.	27933.

Approved: April 07, 2011

Sample Name: L1103090726 Acquired: 4/6/2011 22:22:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04004**	**159.16**	**.64271**	**.25703**	**1.9022**	**.01104**
Stddev	.00057	1.22	.00436	.00513	.0061	.00006
%RSD	1.4260	.76949	.67826	1.9947	.32160	.52991
#1	.04011	158.49	.63769	.25272	1.9044	.01108
#2	.04058	158.42	.64501	.25567	1.8953	.01107
#3	.03944	160.57	.64545	.26270	1.9069	.01097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**598.20**	**.02622**	**.18700**	**.37481**	**104.88**	**413.91**
Stddev	6.32	.00022	.00123	.00020	.41	7.43
%RSD	1.0570	.85399	.66033	.05331	.38736	1.7956
#1	592.57	.02598	.18562	.37489	104.51	407.23
#2	596.98	.02626	.18739	.37496	104.80	412.59
#3	605.04	.02642	.18799	.37459	105.32	421.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.012**	**.40507**	**110.65**	**6.5696**	**.11442**	**7.9874**
Stddev	.139	.00107	.65	.0274	.00052	.0312
%RSD	.49713	.26424	.58500	.41764	.45432	.39065
#1	27.938	.40569	110.04	6.5513	.11422	7.9617
#2	27.925	.40383	110.58	6.5563	.11501	7.9785
#3	28.173	.40569	111.33	6.6011	.11403	8.0221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090726 Acquired: 4/6/2011 22:22:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31088**	**15.812**	**1.1882**	F **83.617**	F **1508.4**	F **-196460.**
Stddev	.00092	.063	.0048	1.984	9.8	485.
%RSD	.29582	.39845	.40153	2.3729	.65174	.24675
#1	.31016	15.742	1.1828	85.841	1497.2	-195910.
#2	.31192	15.865	1.1916	82.984	1512.2	-196820.
#3	.31057	15.830	1.1904	82.027	1515.8	-196660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04760**	**.05715**	**4.1040**	**.89684**	**1.4786**	**.66625**
Stddev	.00096	.00204	.0167	.00320	.0070	.00250
%RSD	2.0188	3.5721	.40767	.35679	.47161	.37549
#1	.04670	.05676	4.0850	.89315	1.4762	.66535
#2	.04861	.05935	4.1166	.89843	1.4732	.66432
#3	.04748	.05533	4.1104	.89893	1.4865	.66908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01750**	**.70936**	**2.3319**	**.08879**
Stddev	.00089	.00325	.0056	.00014
%RSD	5.0687	.45860	.24246	.15664
#1	.01698	.71194	2.3254	.08892
#2	.01852	.71044	2.3351	.08864
#3	.01699	.70571	2.3352	.08882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090726 Acquired: 4/6/2011 22:22:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30963.**	**29201.**
Stddev	37.	104.
%RSD	.11934	.35645
#1	31004.	29304.
#2	30934.	29203.
#3	30949.	29096.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 22:26:16 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42590**	**9.6110**	**.41926**	**.51975**	**.97103**	**.05124**	**9.6896**
Stddev	.00084	.0239	.00148	.00130	.00043	.00014	.0091
%RSD	.19780	.24861	.35304	.24923	.04447	.26507	.09402
#1	.42494	9.6073	.41772	.51842	.97150	.05139	9.6811
#2	.42622	9.6365	.41941	.52101	.97096	.05119	9.6992
#3	.42653	9.5891	.42066	.51983	.97064	.05113	9.6886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05292**	**.21369**	**.51653**	**.54824**	**3.9817**	**49.141**	**.98756**
Stddev	.00012	.00061	.00186	.00638	.0056	.049	.00101
%RSD	.22223	.28713	.36011	1.1630	.13977	.09913	.10261
#1	.05297	.21396	.51687	.55472	3.9872	49.084	.98639
#2	.05301	.21413	.51820	.54802	3.9818	49.170	.98817
#3	.05279	.21299	.51453	.54197	3.9761	49.167	.98813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.096**	**.50701**	**.98218**	**48.378**	**.51987**	F **-.00126**	**.52959**
Stddev	.026	.00074	.00045	.055	.00094	.00170	.00075
%RSD	.25717	.14568	.04613	.11271	.18078	134.95	.14187
#1	10.087	.50768	.98247	48.327	.51932	.00070	.52897
#2	10.126	.50714	.98241	48.370	.52096	-.00237	.53042
#3	10.077	.50622	.98166	48.436	.51934	-.00211	.52936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 22:26:16 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.2938**	F **11.103**	F **-79.560**	**1.2805**	**.41904**	F **.01954**	**1.0585**
Stddev	5.2238	.175	21.331	.0015	.00351	.00042	.0009
%RSD	62.984	1.5730	26.811	.11452	.83754	2.1641	.08153
#1	3.7884	11.262	-101.34	1.2803	.42017	.01990	1.0588
#2	14.020	11.131	-78.638	1.2821	.42185	.01963	1.0592
#3	7.0733	10.916	-58.706	1.2792	.41511	.01907	1.0575
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	10.000%	-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97684**	**1.0029**	**.53278**	**1.0325**	**1.0258**	F **.00079**
Stddev	.00213	.0023	.00099	.0028	.0008	.00008
%RSD	.21763	.22497	.18520	.27521	.08224	10.430
#1	.97478	1.0006	.53356	1.0295	1.0252	.00070
#2	.97672	1.0051	.53311	1.0351	1.0267	.00086
#3	.97902	1.0030	.53167	1.0328	1.0254	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32647.**	**27085.**
Stddev	53.	97.
%RSD	.16185	.35732
#1	32696.	27127.
#2	32591.	26975.
#3	32655.	27154.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 22:29:39 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00781**	**-.00026**	**-.00215**	**-.00033**	**.00003**	**.01003**
Stddev	.0002	.00958	.00025	.00048	.00011	.00001	.00696
%RSD	4918.5	122.59	95.041	22.449	32.846	18.694	69.447
#1	.00021	-.01463	-.00043	-.00269	-.00046	.00004	.00209
#2	-.00014	.00314	.00002	-.00176	-.00027	.00003	.01286
#3	-.00008	-.01195	-.00037	-.00199	-.00027	.00003	.01512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00008**	**-.00039**	**.00081**	**.00449**	**.15871**	**.00055**
Stddev	.00003	.00011	.00020	.00073	.00342	.02768	.00171
%RSD	142.56	143.64	50.373	90.213	76.291	17.442	311.96
#1	.00004	-.00018	-.00048	.00127	.00427	.18689	.00243
#2	.00003	.00004	-.00053	-.00003	.00118	.13156	.00014
#3	-.00001	-.00008	-.00016	.00119	.00802	.15766	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00825**	**.00009**	**.00008**	**.03233**	**.01782**	**-.00138**	**-.00048**
Stddev	.00465	.00029	.00011	.00592	.03076	.00253	.00044
%RSD	56.363	318.98	146.95	18.305	172.59	182.73	90.434
#1	.00419	.00023	-.00001	.03732	.00040	-.00400	-.00008
#2	.00724	-.00024	.00020	.02579	-.00027	-.00119	-.00043
#3	.01332	.00029	.00004	.03388	.05334	.00104	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 22:29:39 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.650**	F **1.3107**	F **-301.53**	**.00111**	**.00086**	**.03266**	**.00022**
Stddev	12.937	1.9430	443.22	.00034	.00015	.04975	.00015
%RSD	50.435	148.25	146.99	30.876	16.883	152.32	68.404
#1	31.322	.16512	-37.799	.00073	.00099	.00383	.00031
#2	34.782	.21277	-53.559	.00140	.00070	.00405	.00032
#3	10.846	3.5541	-813.24	.00120	.00090	.09010	.00005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00105**	**-.00043**	**-.00028**	**.01962**	**-.00001**
Stddev	.00008	.00089	.00150	.00005	.03209	.00009
%RSD	422.20	85.228	346.13	18.067	163.59	1383.3
#1	.00006	.00013	.00018	-.00025	.00113	-.00009
#2	-.00001	.00109	.00066	-.00026	.00105	.00008
#3	-.00010	.00191	-.00214	-.00034	.05667	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32825.**	**26822.**
Stddev	368.	156.
%RSD	1.1217	.58300
#1	33122.	26737.
#2	32939.	27003.
#3	32413.	26727.

Approved: April 07, 2011

Sample Name: L1103090727 Acquired: 4/6/2011 22:33:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01470**	**153.12**	**.54726**	**.23349**	**1.9282**	**.01042**
Stddev	.00043	1.64	.00314	.00040	.0179	.00002
%RSD	2.9464	1.0699	.57336	.17273	.92678	.23026
#1	.01507	153.84	.54527	.23331	1.9430	.01044
#2	.01422	151.24	.55087	.23322	1.9084	.01043
#3	.01481	154.27	.54562	.23396	1.9333	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**444.91**	**.02623**	**.16566**	**.54292**	**36.709**	**366.73**
Stddev	6.06	.00005	.00057	.00097	.098	2.59
%RSD	1.3623	.20262	.34227	.17778	.26579	.70697
#1	440.09	.02628	.16533	.54253	36.628	368.82
#2	442.92	.02622	.16632	.54402	36.817	363.83
#3	451.71	.02618	.16535	.54221	36.682	367.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.417**	**.36059**	**104.57**	**6.4491**	**.07396**	**8.0064**
Stddev	.311	.00508	.63	.0519	.00014	.0936
%RSD	.87916	1.4097	.60719	.80461	.19565	1.1694
#1	35.554	.36511	104.64	6.4794	.07413	8.0626
#2	35.061	.35508	103.90	6.3892	.07387	7.8983
#3	35.637	.36158	105.16	6.4788	.07389	8.0582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

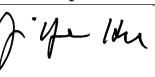
Sample Name: L1103090727 Acquired: 4/6/2011 22:33:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26928**	**15.791**	**.65213**	F **98.600**	F **927.64**	F **-104700.**
Stddev	.00043	.028	.00281	6.798	2.52	77.
%RSD	.16107	.17453	.43078	6.8943	.27136	.07321
#1	.26878	15.771	.65186	101.38	926.08	-104760.
#2	.26953	15.823	.65506	103.57	930.54	-104730.
#3	.26952	15.781	.64946	90.852	926.29	-104620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02508**	**.01850**	**3.0776**	**.35735**	**1.3041**	**.65041**
Stddev	.00216	.00296	.0006	.00065	.0146	.00727
%RSD	8.6158	15.990	.01829	.18164	1.1155	1.1182
#1	.02519	.01540	3.0777	.35750	1.3130	.65485
#2	.02718	.01880	3.0782	.35791	1.2873	.64201
#3	.02286	.02129	3.0770	.35664	1.3120	.65435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01476**	**.61817**	**2.4739**	**.10777**
Stddev	.00112	.00181	.0043	.00064
%RSD	7.5799	.29324	.17238	.59421
#1	.01589	.61720	2.4698	.10774
#2	.01366	.62026	2.4783	.10842
#3	.01472	.61705	2.4736	.10714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011



Sample Name: L1103090727 Acquired: 4/6/2011 22:33:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31852.**	**29827.**
Stddev	72.	100.
%RSD	.22682	.33576
#1	31817.	29940.
#2	31805.	29752.
#3	31936.	29788.

Approved: April 07, 2011

Sample Name: L1103090728 Acquired: 4/6/2011 22:36:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**136.24**	**.13046**	**.15571**	**1.8564**	**.00812**	**637.85**
Stddev	.00057	.79	.00186	.00029	.0052	.00003	4.85
%RSD	6.0616	.57980	1.4267	.18678	.28056	.37439	.76102
#1	.00887	135.60	.13157	.15554	1.8540	.00816	636.21
#2	.00997	136.00	.12831	.15605	1.8528	.00810	634.03
#3	.00917	137.12	.13150	.15555	1.8624	.00811	643.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00804**	**.12908**	**.21669**	**16.069**	**252.66**	**30.608**	**.33574**
Stddev	.00007	.00048	.00152	.053	1.09	.083	.00226
%RSD	.88229	.37187	.70332	.32719	.43009	.27189	.67218
#1	.00812	.12962	.21766	16.127	252.05	30.550	.33331
#2	.00798	.12892	.21747	16.056	252.03	30.572	.33777
#3	.00803	.12870	.21493	16.025	253.92	30.704	.33615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.81**	**5.0998**	**.03754**	**6.2818**	**.21436**	**12.159**	**.23021**
Stddev	.63	.0227	.00038	.0300	.00077	.020	.00088
%RSD	.52781	.44553	1.0212	.47777	.36145	.16575	.38109
#1	119.45	5.0779	.03717	6.2580	.21526	12.181	.23113
#2	119.45	5.0982	.03751	6.2718	.21395	12.154	.23013
#3	120.54	5.1232	.03794	6.3155	.21388	12.141	.22938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090728 Acquired: 4/6/2011 22:36:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **82.694**	F **861.49**	F **-41377.**	**.01141**	**.01268**	**2.6156**	**.08041**
Stddev	3.529	1.91	26.	.00090	.00172	.0016	.00062
%RSD	4.2669	.22144	.06181	7.8733	13.564	.06173	.77154
#1	84.637	863.51	-41390.	.01105	.01407	2.6169	.08029
#2	78.621	861.25	-41392.	.01244	.01076	2.6138	.08108
#3	84.824	859.72	-41347.	.01075	.01320	2.6161	.07985
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6786**	**.73047**	**.01231**	**.47008**	**.95301**	**.09959**
Stddev	.0059	.00233	.00027	.00065	.00072	.00055
%RSD	.35107	.31911	2.1605	.13822	.07569	.55480
#1	1.6722	.72787	.01227	.47083	.95384	.09996
#2	1.6799	.73115	.01207	.46965	.95271	.09987
#3	1.6838	.73238	.01259	.46976	.95249	.09896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31212.**	**28726.**
Stddev	72.	205.
%RSD	.23167	.71499
#1	31130.	28609.
#2	31240.	28963.
#3	31266.	28605.

Approved: April 07, 2011

Sample Name: L1103090729 Acquired: 4/6/2011 22:40:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01351**	**129.10**	**.38380**	**.26715**	**1.6391**	**.00858**	**569.38**
Stddev	.00042	.31	.00064	.00066	.0041	.00003	3.93
%RSD	3.0883	.24106	.16646	.24541	.24774	.30243	.69045
#1	.01313	129.16	.38412	.26788	1.6428	.00856	570.88
#2	.01345	128.76	.38306	.26696	1.6347	.00857	572.33
#3	.01396	129.37	.38421	.26661	1.6397	.00861	564.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01419**	**.14448**	**.37067**	**21.453**	**296.78**	**38.734**	**.35426**
Stddev	.00008	.00051	.00069	.031	3.29	.082	.00117
%RSD	.52949	.35091	.18487	.14368	1.1092	.21088	.32985
#1	.01427	.14501	.36992	21.473	299.62	38.714	.35357
#2	.01412	.14444	.37127	21.469	297.56	38.664	.35359
#3	.01419	.14399	.37082	21.418	293.17	38.824	.35560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.060**	**5.9417**	**.05853**	**16.997**	**.24912**	**15.468**	**.51849**
Stddev	.391	.0112	.00017	.038	.00024	.008	.00154
%RSD	.40726	.18907	.28958	.22485	.09797	.05133	.29616
#1	96.124	5.9489	.05872	16.959	.24886	15.475	.52022
#2	95.640	5.9287	.05849	16.996	.24916	15.468	.51795
#3	96.415	5.9474	.05838	17.036	.24935	15.459	.51730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090729 Acquired: 4/6/2011 22:40:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **91.952**	F **902.38**	F **-70902.**	**.02217**	**.01390**	**1.9726**	**.16821**
Stddev	5.484	.55	102.	.00173	.00222	.0047	.00069
%RSD	5.9642	.06071	.14433	7.8027	15.951	.23926	.41190
#1	88.766	902.98	-71008.	.02272	.01515	1.9751	.16824
#2	88.806	901.90	-70803.	.02356	.01521	1.9757	.16888
#3	98.285	902.26	-70895.	.02023	.01134	1.9672	.16750
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5815**	**.92837**	**.01518**	**.65456**	**1.6046**	**.10191**
Stddev	.0017	.00095	.00113	.00321	.0022	.00046
%RSD	.10715	.10272	7.4281	.49092	.13798	.45059
#1	1.5828	.92933	.01577	.65434	1.6033	.10139
#2	1.5796	.92742	.01388	.65147	1.6071	.10205
#3	1.5822	.92836	.01588	.65789	1.6033	.10228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31825.**	**29343.**
Stddev	42.	167.
%RSD	.13111	.57028
#1	31813.	29207.
#2	31791.	29530.
#3	31872.	29292.

Approved: April 07, 2011

Sample Name: L1103090730 Acquired: 4/6/2011 22:44:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01387**	**138.72**	**.62979**	**.25674**	**1.8010**	**.01093**
Stddev	.00025	.39	.00336	.00337	.0092	.00003
%RSD	1.7737	.28253	.53410	1.3128	.51203	.30458
#1	.01359	138.36	.62676	.26007	1.7923	.01092
#2	.01404	138.66	.63341	.25333	1.8000	.01090
#3	.01399	139.13	.62919	.25684	1.8106	.01096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**574.81**	**.03058**	**.17765**	**.58478**	**38.933**	**350.90**
Stddev	2.46	.00008	.00056	.00311	.116	4.14
%RSD	.42733	.27501	.31596	.53141	.29905	1.1812
#1	577.45	.03053	.17713	.58309	38.841	355.68
#2	574.39	.03054	.17824	.58289	39.064	348.39
#3	572.59	.03068	.17759	.58837	38.894	348.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.402**	**.42900**	**96.082**	**7.6867**	**.06534**	**21.733**
Stddev	.159	.00057	.141	.0022	.00012	.033
%RSD	.46129	.13188	.14690	.02807	.18144	.14958
#1	34.251	.42902	95.921	7.6876	.06547	21.714
#2	34.389	.42955	96.142	7.6882	.06524	21.715
#3	34.567	.42842	96.183	7.6842	.06531	21.771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090730 Acquired: 4/6/2011 22:44:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28213**	**20.615**	**1.0861**	F **91.941**	F **1053.0**	F **-103680.**
Stddev	.00104	.052	.0012	6.981	4.2	195.
%RSD	.36868	.25148	.10946	7.5926	.40053	.18852
#1	.28096	20.576	1.0860	89.004	1049.3	-103610.
#2	.28248	20.674	1.0873	99.911	1057.6	-103900.
#3	.28295	20.596	1.0849	86.909	1052.0	-103520.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03586**	**.02202**	**3.3344**	**.43587**	**1.5806**	**.54039**
Stddev	.00037	.00189	.0064	.00033	.0029	.00129
%RSD	1.0331	8.5758	.19280	.07493	.18123	.23807
#1	.03552	.02370	3.3281	.43570	1.5787	.53981
#2	.03626	.01998	3.3410	.43624	1.5792	.53950
#3	.03579	.02238	3.3342	.43566	1.5839	.54187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01595**	**.66604**	**3.0194**	**.08802**
Stddev	.00115	.00186	.0015	.00035
%RSD	7.1960	.27930	.04979	.40197
#1	.01512	.66402	3.0207	.08786
#2	.01726	.66640	3.0178	.08778
#3	.01547	.66769	3.0198	.08843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090730 Acquired: 4/6/2011 22:44:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32102.**	**29654.**
Stddev	68.	184.
%RSD	.21258	.62128
#1	32178.	29463.
#2	32046.	29667.
#3	32082.	29831.

Approved: April 07, 2011

Sample Name: L1103090731 Acquired: 4/6/2011 22:47:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01133**	**107.89**	**.51299**	**.22887**	**1.2437**	**.00715**	**307.69**
Stddev	.00055	.56	.00046	.00267	.0041	.00001	3.96
%RSD	4.8447	.52336	.08968	1.1663	.32614	.11112	1.2867
#1	.01192	107.72	.51337	.22672	1.2446	.00715	307.45
#2	.01083	108.52	.51248	.22804	1.2472	.00714	303.87
#3	.01125	107.43	.51311	.23186	1.2393	.00716	311.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02063**	**.14636**	**.63035**	**15.045**	**293.50**	**34.276**	**.31138**
Stddev	.00009	.00014	.00278	.021	5.53	.143	.00053
%RSD	.44365	.09347	.44133	.13639	1.8827	.41770	.17022
#1	.02053	.14623	.63156	15.037	287.73	34.180	.31103
#2	.02071	.14650	.62716	15.068	294.03	34.441	.31111
#3	.02065	.14636	.63231	15.028	298.75	34.208	.31199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.516**	**6.9446**	**.05235**	**14.890**	**.25758**	**16.348**	**.76598**
Stddev	.130	.0118	.00042	.059	.00069	.021	.00294
%RSD	.14088	.17017	.80226	.39456	.26609	.12873	.38347
#1	92.371	6.9428	.05261	14.863	.25679	16.352	.76589
#2	92.555	6.9573	.05187	14.957	.25798	16.367	.76310
#3	92.623	6.9339	.05258	14.850	.25797	16.326	.76897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090731 Acquired: 4/6/2011 22:47:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.507**	F **659.71**	F **-78676.**	**.01629**	**.01194**	**2.2290**	**.21452**
Stddev	5.458	1.23	36.	.00135	.00083	.0022	.00053
%RSD	6.0985	.18617	.04588	8.3146	6.9458	.09865	.24567
#1	83.419	659.64	-78641.	.01689	.01112	2.2297	.21482
#2	93.964	660.98	-78713.	.01474	.01192	2.2308	.21483
#3	91.137	658.53	-78673.	.01725	.01278	2.2266	.21391
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1371**	**.68653**	**.01497**	**.58354**	**1.9030**	**.07800**
Stddev	.0062	.00141	.00096	.00034	.0028	.00022
%RSD	.54651	.20594	6.3837	.05866	.14886	.28751
#1	1.1362	.68493	.01412	.58389	1.9010	.07805
#2	1.1437	.68760	.01601	.58353	1.9063	.07776
#3	1.1313	.68707	.01480	.58321	1.9018	.07820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31848.**	**29213.**
Stddev	82.	60.
%RSD	.25706	.20452
#1	31831.	29168.
#2	31775.	29281.
#3	31936.	29190.

Approved: April 07, 2011

Sample Name: L1103090732 Acquired: 4/6/2011 22:51:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02455**	**154.84**	**.48706**	**.41496**	**1.6763**	**.01095**
Stddev	.00037	.84	.00171	.00137	.0025	.00004
%RSD	1.5221	.54291	.35028	.33015	.14758	.40806
#1	.02475	155.08	.48580	.41639	1.6782	.01090
#2	.02412	153.90	.48637	.41366	1.6735	.01099
#3	.02478	155.52	.48900	.41482	1.6772	.01097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**585.93**	**.02292**	**.18943**	**.28718**	**89.617**	**470.43**
Stddev	7.38	.00011	.00058	.00124	.405	2.38
%RSD	1.2595	.49662	.30855	.43310	.45245	.50595
#1	590.67	.02283	.18892	.28581	89.327	472.87
#2	577.43	.02288	.18930	.28822	89.444	468.12
#3	589.69	.02305	.19007	.28752	90.081	470.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.642**	**.48216**	**100.34**	**6.6904**	**.14233**	**19.023**
Stddev	.068	.00075	.20	.0095	.00024	.082
%RSD	.28969	.15553	.19968	.14154	.17079	.42887
#1	23.646	.48197	100.13	6.6893	.14215	19.051
#2	23.572	.48152	100.35	6.6815	.14261	18.931
#3	23.709	.48299	100.53	6.7003	.14224	19.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090732 Acquired: 4/6/2011 22:51:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28640**	**17.306**	**1.3837**	F **81.533**	F **1647.6**	F **-238890.**
Stddev	.00103	.034	.0040	6.173	6.7	209.
%RSD	.36071	.19646	.28777	7.5710	.40538	.08751
#1	.28522	17.269	1.3791	80.625	1641.2	-238670.
#2	.28685	17.313	1.3858	75.864	1647.1	-238910.
#3	.28713	17.336	1.3862	88.110	1654.5	-239090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06049**	**.05336**	**3.8408**	**.96832**	**1.7392**	**.54396**
Stddev	.00101	.00228	.0092	.00073	.0080	.00107
%RSD	1.6688	4.2818	.24003	.07562	.46047	.19619
#1	.05998	.05584	3.8340	.96885	1.7413	.54511
#2	.05983	.05289	3.8372	.96749	1.7303	.54376
#3	.06165	.05134	3.8513	.96863	1.7459	.54300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01781**	**.68078**	**2.6867**	**.08035**
Stddev	.00038	.00218	.0026	.00020
%RSD	2.1252	.32079	.09732	.25357
#1	.01781	.67944	2.6842	.08041
#2	.01818	.67960	2.6864	.08012
#3	.01742	.68330	2.6894	.08051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090732 Acquired: 4/6/2011 22:51:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31576.**	**29317.**
Stddev	41.	72.
%RSD	.12850	.24434
#1	31607.	29238.
#2	31591.	29376.
#3	31530.	29337.

Approved: April 07, 2011

Sample Name: L1103090733 Acquired: 4/6/2011 22:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**174.20**	**.51878**	**.28610**	**3.0227**	**.01265**
Stddev	.00004	.85	.00173	.00380	.0169	.00008
%RSD	.32222	.48879	.33434	1.3294	.55740	.64294
#1	.01134	173.29	.51678	.28235	3.0050	.01271
#2	.01133	174.36	.51970	.28996	3.0245	.01268
#3	.01140	174.97	.51987	.28598	3.0385	.01256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**475.94**	**.02463**	**.16253**	**.65441**	**18.601**	**306.69**
Stddev	3.71	.00006	.00050	.00283	.030	5.39
%RSD	.78027	.23670	.30822	.43308	.16075	1.7560
#1	475.14	.02456	.16211	.65669	18.574	301.73
#2	479.98	.02466	.16309	.65531	18.633	312.42
#3	472.68	.02467	.16239	.65124	18.596	305.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.284**	**.43957**	**111.12**	**7.7181**	**.07057**	**50.503**
Stddev	.314	.00260	.40	.0087	.00007	.105
%RSD	.53828	.59146	.36354	.11243	.09568	.20802
#1	57.943	.43658	110.68	7.7127	.07049	50.417
#2	58.350	.44083	111.22	7.7136	.07062	50.473
#3	58.560	.44130	111.47	7.7282	.07059	50.620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090733 Acquired: 4/6/2011 22:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28445**	**17.804**	**.76233**	F **97.904**	F **1047.9**	F **-127910.**
Stddev	.00070	.020	.00220	7.055	3.2	222.
%RSD	.24486	.10969	.28873	7.2063	.30397	.17321
#1	.28495	17.783	.75991	100.59	1044.7	-127650.
#2	.28366	17.808	.76422	103.22	1051.0	-128060.
#3	.28476	17.821	.76285	89.900	1048.1	-128010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02263**	**.01334**	**4.4785**	**.22942**	**1.7133**	**.59448**
Stddev	.00197	.00277	.0074	.00054	.0050	.00231
%RSD	8.6887	20.793	.16571	.23560	.29278	.38790
#1	.02484	.01033	4.4699	.22938	1.7088	.59191
#2	.02197	.01580	4.4835	.22890	1.7124	.59517
#3	.02108	.01387	4.4819	.22997	1.7187	.59637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01165**	**.50547**	**1.8255**	**.17976**
Stddev	.00134	.00308	.0008	.00067
%RSD	11.467	.60935	.04558	.37030
#1	.01019	.50840	1.8256	.18053
#2	.01195	.50575	1.8263	.17935
#3	.01281	.50226	1.8247	.17941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090733 Acquired: 4/6/2011 22:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32511.**	**29876.**
Stddev	74.	70.
%RSD	.22670	.23580
#1	32477.	29880.
#2	32462.	29804.
#3	32596.	29945.

Approved: April 07, 2011

Sample Name: L1103090734 Acquired: 4/6/2011 22:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06180**	**214.44**	**.78282**	**.63167**	**1.2301**	**.01506**
Stddev	.00103	.64	.00312	.00377	.0010	.00004
%RSD	1.6615	.29977	.39885	.59750	.07966	.29677
#1	.06091	214.34	.78511	.62752	1.2291	.01511
#2	.06158	215.13	.78410	.63489	1.2310	.01502
#3	.06292	213.86	.77927	.63261	1.2301	.01505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**541.82**	**.03799**	**.31495**	**.30087**	F **203.33**	**775.51**
Stddev	3.16	.00012	.00014	.00167	1.08	6.70
%RSD	.58353	.31827	.04391	.55631	.53069	.86338
#1	543.96	.03807	.31498	.30023	202.46	768.95
#2	543.32	.03785	.31508	.29962	202.98	782.33
#3	538.19	.03805	.31480	.30277	204.53	775.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					180.00	
Low Limit					-.00500	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.842**	**.61278**	**108.61**	**9.5886**	**.28430**	**47.305**
Stddev	.033	.00077	.34	.0180	.00011	.175
%RSD	.15820	.12596	.31491	.18787	.04024	.37001
#1	20.861	.61367	108.36	9.5945	.28418	47.339
#2	20.862	.61230	109.00	9.6029	.28441	47.461
#3	20.804	.61238	108.48	9.5684	.28432	47.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090734 Acquired: 4/6/2011 22:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43397**	**19.181**	**2.5824**	F **91.624**	F **5709.3**	F **-1219e3**
Stddev	.00093	.007	.0050	5.345	15.5	1177.
%RSD	.21345	.03650	.19549	5.8335	.27111	.09650
#1	.43323	19.185	2.5822	97.603	5716.5	-1220e3
#2	.43501	19.186	2.5774	89.962	5719.8	-1220e3
#3	.43368	19.173	2.5875	87.308	5691.5	-1218e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11735**	**.12898**	**8.2114**	**1.4573**	**1.6182**	**.51288**
Stddev	.00230	.00086	.0050	.0018	.0059	.00084
%RSD	1.9623	.66987	.06130	.12164	.36356	.16402
#1	.11781	.12994	8.2171	1.4561	1.6218	.51245
#2	.11939	.12873	8.2099	1.4593	1.6214	.51385
#3	.11485	.12827	8.2074	1.4564	1.6114	.51234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02407**	**.86806**	**6.1952**	**.07525**
Stddev	.00099	.00199	.0047	.00043
%RSD	4.1148	.22888	.07544	.57787
#1	.02403	.86633	6.1898	.07477
#2	.02508	.86762	6.1981	.07536
#3	.02310	.87023	6.1978	.07562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090734 Acquired: 4/6/2011 22:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31144.**	**29825.**
Stddev	9.	191.
%RSD	.02754	.63967
#1	31152.	29766.
#2	31144.	29670.
#3	31135.	30038.

Approved: April 07, 2011

Sample Name: L1103090735 Acquired: 4/6/2011 23:02:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**151.85**	**.37996**	**.33184**	**1.5313**	**.01137**
Stddev	.00026	.10	.00089	.00290	.0031	.00003
%RSD	2.0673	.06427	.23544	.87353	.20130	.25735
#1	.01280	151.74	.37895	.32890	1.5278	.01139
#2	.01243	151.88	.38030	.33192	1.5336	.01134
#3	.01293	151.93	.38064	.33469	1.5325	.01139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**476.28**	**.03052**	**.17090**	**.80063**	**40.377**	**352.75**
Stddev	10.45	.00002	.00041	.00130	.077	4.90
%RSD	2.1935	.06816	.24115	.16238	.19089	1.3890
#1	477.70	.03052	.17134	.80137	40.464	347.76
#2	465.20	.03049	.17084	.79913	40.350	352.93
#3	485.95	.03053	.17052	.80139	40.317	357.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.675**	**.43466**	**97.934**	**6.4020**	**.11870**	**57.618**
Stddev	.089	.00100	.432	.0076	.00026	.020
%RSD	.23567	.23008	.44097	.11918	.22191	.03518
#1	37.574	.43351	97.807	6.3948	.11873	57.599
#2	37.711	.43518	97.580	6.4012	.11842	57.639
#3	37.740	.43530	98.415	6.4100	.11894	57.616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090735 Acquired: 4/6/2011 23:02:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27365**	**18.962**	**.91932**	F **91.021**	F **2953.2**	F **-568120.**
Stddev	.00071	.040	.00154	8.733	5.4	723.
%RSD	.26114	.21052	.16792	9.5947	.18189	.12730
#1	.27446	18.996	.91987	90.583	2959.1	-568610.
#2	.27313	18.972	.92051	99.965	2951.7	-568450.
#3	.27335	18.919	.91757	82.515	2948.7	-567290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03185**	**.02080**	**3.7684**	**.44909**	**1.6821**	**.54381**
Stddev	.00162	.00124	.0078	.00137	.0035	.00125
%RSD	5.0815	5.9398	.20813	.30607	.20706	.22914
#1	.03370	.01950	3.7773	.44969	1.6804	.54245
#2	.03070	.02096	3.7658	.45006	1.6861	.54409
#3	.03115	.02195	3.7622	.44751	1.6798	.54490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01171**	**.51858**	**2.6880**	**.10301**
Stddev	.00206	.00069	.0037	.00053
%RSD	17.639	.13387	.13602	.51128
#1	.01409	.51858	2.6922	.10274
#2	.01048	.51789	2.6859	.10267
#3	.01054	.51928	2.6860	.10361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090735 Acquired: 4/6/2011 23:02:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31699.**	**29723.**
Stddev	73.	345.
%RSD	.23098	1.1593
#1	31614.	29457.
#2	31746.	30112.
#3	31736.	29599.

Approved: April 07, 2011

Sample Name: L1103090736 Acquired: 4/6/2011 23:06:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03150**	**244.97**	**.90185**	**.48281**	**1.8355**	**.01683**
Stddev	.00075	.76	.00359	.00387	.0043	.00004
%RSD	2.3883	.30865	.39835	.80116	.23241	.24999
#1	.03202	244.43	.90373	.48540	1.8341	.01688
#2	.03064	245.83	.89771	.47837	1.8403	.01680
#3	.03185	244.64	.90411	.48467	1.8322	.01682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**453.64**	**.03665**	**.29244**	**.34628**	**146.63**	**703.32**
Stddev	5.06	.00006	.00065	.00100	.84	3.61
%RSD	1.1147	.16305	.22182	.29009	.57417	.51374
#1	451.48	.03670	.29317	.34738	145.76	702.84
#2	459.42	.03658	.29221	.34605	147.44	699.97
#3	450.03	.03666	.29194	.34541	146.68	707.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.499**	**.70962**	**113.61**	**9.7039**	**.15855**	**54.491**
Stddev	.077	.00244	.33	.0122	.00052	.095
%RSD	.25393	.34402	.29355	.12532	.32549	.17359
#1	30.446	.70772	113.48	9.7088	.15914	54.430
#2	30.588	.71237	113.99	9.7128	.15837	54.600
#3	30.462	.70877	113.36	9.6900	.15816	54.442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090736 Acquired: 4/6/2011 23:06:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42833**	**19.655**	**2.1198**	F **95.771**	F **2666.1**	F **-509680.**
Stddev	.00131	.038	.0049	6.171	6.0	919.
%RSD	.30700	.19134	.23169	6.4431	.22460	.18021
#1	.42982	19.697	2.1223	99.475	2672.7	-510520.
#2	.42781	19.625	2.1141	88.648	2661.0	-509820.
#3	.42735	19.643	2.1229	99.191	2664.6	-508700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10351**	**.08374**	**8.2315**	**1.1428**	**1.6255**	**.50518**
Stddev	.00131	.00300	.0062	.0013	.0014	.00128
%RSD	1.2644	3.5883	.07482	.11508	.08769	.25279
#1	.10433	.08439	8.2375	1.1442	1.6246	.50595
#2	.10200	.08047	8.2318	1.1416	1.6272	.50590
#3	.10420	.08637	8.2252	1.1427	1.6248	.50371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02132**	**.87962**	**5.7357**	**.11795**
Stddev	.00154	.00176	.0142	.00099
%RSD	7.2258	.20002	.24734	.83955
#1	.02199	.88095	5.7409	.11909
#2	.01956	.87762	5.7197	.11735
#3	.02241	.88028	5.7466	.11740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090736 Acquired: 4/6/2011 23:06:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31768.**	**30239.**
Stddev	32.	187.
%RSD	.10057	.61764
#1	31749.	30157.
#2	31805.	30107.
#3	31749.	30453.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:10:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42404**	**9.8352**	**.41866**	**.52358**	**.99035**	**.05123**	**9.8327**
Stddev	.00396	.0127	.00236	.00049	.00282	.00014	.0116
%RSD	.93396	.12936	.56322	.09394	.28515	.28129	.11810
#1	.42278	9.8492	.42125	.52389	.98741	.05137	9.8200
#2	.42848	9.8319	.41663	.52384	.99059	.05122	9.8354
#3	.42087	9.8244	.41809	.52302	.99305	.05108	9.8428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05319**	**.21402**	**.51872**	**.53686**	**4.0290**	**50.168**	**1.0026**
Stddev	.00001	.00015	.00268	.00030	.0055	.132	.0022
%RSD	.01989	.06983	.51750	.05609	.13602	.26303	.22162
#1	.05318	.21419	.52176	.53667	4.0231	50.018	1.0003
#2	.05320	.21392	.51773	.53670	4.0300	50.266	1.0047
#3	.05320	.21395	.51667	.53720	4.0339	50.220	1.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.281**	**.51448**	**.99636**	**49.220**	**.52483**	F **-.00045**	**.53624**
Stddev	.029	.00093	.00114	.068	.00071	.00253	.00223
%RSD	.27979	.18071	.11466	.13815	.13520	562.95	.41590
#1	10.248	.51476	.99549	49.213	.52418	.00246	.53702
#2	10.298	.51344	.99765	49.292	.52472	-.00176	.53372
#3	10.298	.51523	.99593	49.156	.52558	-.00205	.53798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:10:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2007**	**10.883**	F **-4.9823**	**1.2920**	**.41868**	F **.01600**	**1.0645**
Stddev	11.583	.005	7.7131	.0037	.00120	.00060	.0008
%RSD	964.68	.04289	154.81	.28709	.28590	3.7655	.07093
#1	-11.826	10.886	-.56027	1.2930	.41748	.01639	1.0640
#2	10.339	10.877	-13.889	1.2879	.41867	.01531	1.0640
#3	5.0897	10.884	-.4980	1.2951	.41987	.01631	1.0653
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99225**	**1.0193**	**.53842**	**1.0374**	**1.0342**	F **.00077**
Stddev	.00125	.0022	.00146	.0030	.0013	.00011
%RSD	.12597	.21595	.27049	.28794	.12200	14.919
#1	.99158	1.0170	.53689	1.0374	1.0335	.00071
#2	.99369	1.0193	.53858	1.0404	1.0356	.00070
#3	.99148	1.0214	.53979	1.0344	1.0334	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32571.**	**26523.**
Stddev	26.	78.
%RSD	.08081	.29520
#1	32577.	26565.
#2	32543.	26572.
#3	32594.	26433.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:13:26 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.01342**	**-.00052**	**-.00206**	**-.00022**	**.00004**	**.01071**
Stddev	.00082	.01238	.00157	.00059	.00003	.00001	.00991
%RSD	356.93	92.300	301.83	28.758	12.708	17.739	92.547
#1	-.00059	-.01383	.00122	-.00138	-.00023	.00004	.00773
#2	.00071	-.02559	-.00094	-.00234	-.00019	.00005	.00263
#3	-.00081	-.00083	-.00184	-.00246	-.00025	.00004	.02177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00003**	**-.00035**	**.00136**	**.01011**	**.17702**	**.00110**
Stddev	.00005	.00003	.00009	.00045	.00274	.03730	.00066
%RSD	248.34	88.062	26.773	33.069	27.121	21.073	59.674
#1	-.00003	.00001	-.00045	.00101	.00728	.16793	.00085
#2	.00008	.00002	-.00035	.00187	.01275	.21803	.00184
#3	.00001	.00006	-.00026	.00121	.01030	.14510	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00922**	**.00017**	**.00003**	**.03064**	**-.00024**	**-.00222**	**-.00060**
Stddev	.01171	.00031	.00006	.00455	.00037	.00118	.00043
%RSD	126.98	185.67	218.39	14.847	152.16	53.083	72.413
#1	-.00335	.00037	.00007	.02589	-.00049	-.00086	-.00102
#2	.01981	.00032	-.00004	.03496	.00018	-.00283	-.00016
#3	.01120	-.00019	.00005	.03107	-.00041	-.00297	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:13:26 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.9791**	F **.18393**	F **-30.811**	**.00006**	**.00070**	**.00164**	**-.00003**
Stddev	11.251	.01169	3.810	.00085	.00051	.00018	.00025
%RSD	282.76	6.3545	12.367	1477.9	73.552	11.028	873.16
#1	-6.4892	.17628	-34.653	.00090	.00027	.00165	-.00029
#2	2.5499	.17812	-27.034	-.00080	.00126	.00146	.00021
#3	15.877	.19738	-30.746	.00007	.00056	.00182	.00000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00032**	**-.00029**	**-.00010**	**.00107**	**.00000**
Stddev	.00003	.00045	.00120	.00033	.00002	.00007
%RSD	61.418	139.51	414.66	325.28	1.5079	10771.
#1	-.00004	.00080	-.00143	.00023	.00105	.00006
#2	-.00003	-.00008	.00096	-.00012	.00108	.00002
#3	-.00010	.00024	-.00039	-.00042	.00107	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33236.**	**26482.**
Stddev	56.	125.
%RSD	.16800	.47247
#1	33172.	26355.
#2	33268.	26486.
#3	33269.	26606.

Approved: April 07, 2011

Sample Name: L1103090737 Acquired: 4/6/2011 23:17:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01587**	**159.90**	**.68910**	**.31602**	**2.0691**	**.01151**
Stddev	.00051	.53	.00333	.00543	.0045	.00004
%RSD	3.2086	.33384	.48307	1.7176	.21661	.36379
#1	.01544	159.93	.68589	.31003	2.0696	.01155
#2	.01643	160.41	.68888	.32062	2.0734	.01146
#3	.01574	159.35	.69254	.31740	2.0644	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**508.12**	**.03129**	**.17643**	**.81843**	**36.666**	**368.55**
Stddev	5.81	.00018	.00098	.00127	.182	7.85
%RSD	1.1437	.58112	.55327	.15473	.49745	2.1304
#1	501.89	.03119	.17569	.81780	36.542	360.68
#2	513.39	.03118	.17605	.81760	36.579	376.38
#3	509.08	.03150	.17753	.81989	36.875	368.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.500**	**.44788**	**110.55**	**7.6288**	**.09584**	**31.225**
Stddev	.098	.00163	.57	.0227	.00017	.079
%RSD	.21998	.36365	.51289	.29750	.17689	.25386
#1	44.463	.44929	109.99	7.6152	.09565	31.224
#2	44.612	.44826	111.12	7.6550	.09588	31.305
#3	44.427	.44610	110.54	7.6162	.09599	31.146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090737 Acquired: 4/6/2011 23:17:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28585**	**20.361**	**1.1212**	F **97.282**	F **1171.3**	F **-151400.**
Stddev	.00111	.058	.0041	5.746	7.8	346.
%RSD	.38744	.28499	.36544	5.9062	.66418	.22881
#1	.28499	20.326	1.1178	103.27	1164.9	-151130.
#2	.28546	20.329	1.1201	96.769	1169.0	-151300.
#3	.28710	20.428	1.1257	91.809	1179.9	-151790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03789**	**.01810**	**2.6318**	**.56821**	**1.6462**	**.61750**
Stddev	.00132	.00083	.0091	.00222	.0070	.00236
%RSD	3.4926	4.5896	.34615	.38988	.42440	.38206
#1	.03942	.01721	2.6225	.56567	1.6499	.61779
#2	.03714	.01885	2.6321	.56922	1.6506	.61970
#3	.03712	.01825	2.6407	.56973	1.6381	.61501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01507**	**.65663**	**2.7079**	**.11225**
Stddev	.00100	.00483	.0085	.00061
%RSD	6.6228	.73490	.31383	.54603
#1	.01455	.66092	2.7048	.11202
#2	.01443	.65141	2.7013	.11178
#3	.01622	.65755	2.7175	.11294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090737 Acquired: 4/6/2011 23:17:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31598.**	**29308.**
Stddev	58.	172.
%RSD	.18511	.58761
#1	31579.	29384.
#2	31663.	29111.
#3	31551.	29429.

Approved: April 07, 2011

Sample Name: L1103090738 Acquired: 4/6/2011 23:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03196**	**206.50**	**1.2225**	**.70179**	**1.6877**	**.01631**
Stddev	.00073	1.00	.0028	.00814	.0031	.00011
%RSD	2.2941	.48225	.22979	1.1598	.18501	.69887
#1	.03278	206.24	1.2255	.69276	1.6912	.01644
#2	.03137	207.61	1.2222	.70857	1.6870	.01626
#3	.03173	205.67	1.2199	.70403	1.6850	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**596.40**	**.05079**	**.29919**	**.48928**	**112.23**	F **1086.3**
Stddev	10.63	.00012	.00113	.00324	.41	11.6
%RSD	1.7821	.23512	.37841	.66252	.36617	1.0662
#1	585.20	.05074	.30004	.49300	112.60	1073.3
#2	606.35	.05093	.29962	.48708	111.79	1095.5
#3	597.64	.05071	.29790	.48775	112.29	1090.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.583**	**.83769**	**117.03**	**9.9628**	**.21827**	**70.313**
Stddev	.086	.00106	.42	.0099	.00005	.335
%RSD	.29124	.12679	.35644	.09977	.02138	.47633
#1	29.554	.83778	116.62	9.9548	.21832	70.199
#2	29.679	.83871	117.02	9.9598	.21822	70.690
#3	29.514	.83659	117.45	9.9739	.21827	70.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090738 Acquired: 4/6/2011 23:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40284**	**42.335**	**2.4386**	F **88.091**	F **8140.6**	F **-1817e3**
Stddev	.00150	.075	.0033	7.447	58.8	2047.
%RSD	.37184	.17657	.13446	8.4535	.72237	.11270
#1	.40456	42.415	2.4421	90.999	8200.8	-1819e3
#2	.40191	42.320	2.4382	93.645	8137.7	-1817e3
#3	.40203	42.268	2.4356	79.629	8083.3	-1815e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18862**	**.07513**	**11.121**	**9.2736**	**2.8608**	**.56517**
Stddev	.00087	.00316	.020	.0157	.0110	.00272
%RSD	.46120	4.2012	.18177	.16920	.38576	.48165
#1	.18942	.07546	11.136	9.2888	2.8636	.56232
#2	.18769	.07182	11.128	9.2745	2.8702	.56547
#3	.18874	.07811	11.098	9.2575	2.8486	.56774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.04301**	**1.6539**	**5.0192**	**.05283**
Stddev	.00068	.0085	.0050	.00021
%RSD	1.5847	.51407	.09942	.39342
#1	.04367	1.6638	5.0245	.05259
#2	.04231	1.6489	5.0184	.05294
#3	.04306	1.6492	5.0146	.05295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090738 Acquired: 4/6/2011 23:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31035.**	**30010.**
Stddev	108.	34.
%RSD	.34733	.11418
#1	30915.	30047.
#2	31066.	29980.
#3	31125.	30001.

Approved: April 07, 2011

Sample Name: L1103090739 Acquired: 4/6/2011 23:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01311**	**119.05**	**.62382**	**.22138**	**1.3768**	**.00871**	**299.02**
Stddev	.00015	.31	.00292	.00083	.0000	.00003	2.43
%RSD	1.1510	.26187	.46732	.37584	.00307	.33883	.81186
#1	.01294	119.35	.62715	.22063	1.3768	.00874	296.31
#2	.01324	118.73	.62263	.22125	1.3767	.00870	301.00
#3	.01314	119.06	.62170	.22228	1.3768	.00869	299.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01924**	**.15078**	**.36330**	**31.878**	**327.82**	**30.189**	**.30122**
Stddev	.00003	.00042	.00228	.061	1.84	.069	.00037
%RSD	.16602	.27788	.62875	.19179	.56064	.22711	.12412
#1	.01924	.15125	.36561	31.948	326.01	30.265	.30087
#2	.01927	.15045	.36104	31.849	327.76	30.132	.30119
#3	.01921	.15064	.36325	31.836	329.68	30.169	.30161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**90.108**	**6.3140**	**.05834**	**9.4810**	**.25124**	**13.887**	**1.0041**
Stddev	.002	.0052	.00050	.0362	.00121	.028	.0024
%RSD	.00194	.08296	.86431	.38224	.48296	.20301	.23898
#1	90.109	6.3157	.05837	9.5216	.25229	13.918	1.0069
#2	90.109	6.3182	.05883	9.4521	.25152	13.879	1.0030
#3	90.106	6.3081	.05782	9.4692	.24991	13.864	1.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090739 Acquired: 4/6/2011 23:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **77.871**	F **684.65**	F **-87204.**	**.03640**	**.01842**	**3.1321**	**.33427**
Stddev	11.600	1.68	230.	.00253	.00255	.0063	.00093
%RSD	14.896	.24556	.26407	6.9383	13.861	.20038	.27735
#1	67.397	686.50	-87465.	.03759	.01958	3.1374	.33460
#2	75.877	684.24	-87118.	.03811	.02018	3.1339	.33322
#3	90.338	683.22	-87030.	.03350	.01549	3.1252	.33499
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0418**	**.51235**	**.01539**	**.62798**	**1.8770**	**.06949**
Stddev	.0030	.00132	.00074	.00240	.0008	.00015
%RSD	.28422	.25683	4.7930	.38156	.04371	.21822
#1	1.0448	.51366	.01576	.62732	1.8776	.06951
#2	1.0389	.51103	.01454	.62599	1.8761	.06933
#3	1.0416	.51236	.01586	.63064	1.8774	.06964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31975.**	**28822.**
Stddev	37.	212.
%RSD	.11566	.73711
#1	31983.	28667.
#2	32007.	28734.
#3	31935.	29064.

Approved: April 07, 2011

Sample Name: L1103090740 Acquired: 4/6/2011 23:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04252**	**175.48**	**.71651**	**.27946**	**2.2122**	**.01284**
Stddev	.00021	1.01	.00115	.00400	.0106	.00004
%RSD	.48432	.57501	.15986	1.4315	.48120	.28649
#1	.04230	176.54	.71520	.28195	2.2183	.01280
#2	.04257	174.53	.71704	.27485	2.1999	.01288
#3	.04270	175.38	.71730	.28158	2.2183	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**551.12**	**.04562**	**.23147**	**.25314**	**120.34**	**453.93**
Stddev	9.91	.00014	.00065	.00065	1.02	6.44
%RSD	1.7977	.30572	.27896	.25681	.85166	1.4184
#1	554.18	.04578	.23156	.25244	120.98	458.87
#2	540.05	.04557	.23207	.25373	120.87	446.65
#3	559.14	.04551	.23079	.25325	119.15	456.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.585**	**.54453**	**103.18**	**8.5083**	**.13578**	**10.251**
Stddev	.163	.00437	.52	.0169	.00025	.048
%RSD	.47247	.80191	.50709	.19822	.18430	.46333
#1	34.720	.54621	103.50	8.5276	.13549	10.305
#2	34.404	.53957	102.58	8.4964	.13589	10.216
#3	34.632	.54781	103.47	8.5009	.13596	10.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090740 Acquired: 4/6/2011 23:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37676**	**13.764**	**1.3096**	F **95.238**	F **1409.5**	F **-191960.**
Stddev	.00061	.009	.0022	5.457	2.5	75.
%RSD	.16315	.06709	.17217	5.7299	.17999	.03923
#1	.37676	13.772	1.3093	89.466	1408.6	-191960.
#2	.37738	13.765	1.3119	100.31	1412.4	-191880.
#3	.37615	13.754	1.3074	95.934	1407.6	-192030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05821**	**.06865**	**4.6197**	**1.0022**	**1.5950**	**.48503**
Stddev	.00018	.00137	.0047	.0016	.0067	.00112
%RSD	.31720	1.9902	.10092	.16009	.41774	.23013
#1	.05820	.07014	4.6203	1.0024	1.6025	.48612
#2	.05841	.06839	4.6241	1.0036	1.5925	.48507
#3	.05804	.06744	4.6148	1.0005	1.5899	.48389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01540**	**.65049**	**3.6419**	**.12948**
Stddev	.00067	.00124	.0036	.00032
%RSD	4.3299	.19028	.09793	.24526
#1	.01550	.64974	3.6447	.12982
#2	.01602	.65191	3.6431	.12943
#3	.01469	.64980	3.6379	.12919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090740 Acquired: 4/6/2011 23:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31852.**	**29683.**
Stddev	70.	437.
%RSD	.22040	1.4715
#1	31809.	29228.
#2	31814.	30100.
#3	31933.	29721.

Approved: April 07, 2011

Sample Name: L1103090741 Acquired: 4/6/2011 23:31:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00688**	**105.95**	**.19841**	**.26493**	**2.6083**	**.00884**
Stddev	.00018	.62	.00112	.00082	.0150	.00001
%RSD	2.6490	.58777	.56657	.30785	.57585	.11335
#1	.00694	105.25	.19827	.26581	2.5943	.00885
#2	.00702	106.18	.19736	.26420	2.6065	.00883
#3	.00667	106.43	.19960	.26478	2.6242	.00885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**470.57**	**.00986**	**.09966**	**.20050**	**5.7284**	**198.10**
Stddev	9.23	.00003	.00053	.00095	.0153	.68
%RSD	1.9605	.30498	.53019	.47420	.26686	.34460
#1	465.26	.00989	.10017	.20148	5.7408	197.37
#2	481.22	.00983	.09911	.19958	5.7113	198.20
#3	465.23	.00985	.09970	.20044	5.7331	198.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.342**	**.25565**	**96.273**	**4.1902**	**.04271**	**38.662**
Stddev	.185	.00104	.260	.0105	.00002	.168
%RSD	.52469	.40833	.26954	.25116	.05556	.43378
#1	35.136	.25521	95.996	4.1787	.04269	38.468
#2	35.395	.25490	96.510	4.1926	.04270	38.747
#3	35.495	.25684	96.315	4.1994	.04274	38.770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090741 Acquired: 4/6/2011 23:31:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17243**	**12.271**	**.73010**	F **82.109**	F **1337.7**	F **-200100.**
Stddev	.00014	.029	.00438	7.595	6.9	233.
%RSD	.08034	.23441	.59937	9.2503	.51838	.11654
#1	.17233	12.300	.73509	75.920	1343.1	-200240.
#2	.17236	12.243	.72691	90.585	1329.9	-199830.
#3	.17259	12.271	.72830	79.821	1340.0	-200230.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	**.00818**	**2.1242**	**.05627**	**1.8087**	**.65223**
Stddev	.00093	.00159	.0057	.00052	.0092	.00273
%RSD	8.1271	19.461	.27018	.92242	.50688	.41922
#1	.01041	.00844	2.1265	.05568	1.7994	.64962
#2	.01223	.00962	2.1284	.05653	1.8088	.65200
#3	.01167	.00647	2.1177	.05662	1.8178	.65507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00835**	**.36004**	**1.1404**	**.10279**
Stddev	.00085	.00015	.0013	.00041
%RSD	10.208	.04270	.11212	.40268
#1	.00933	.36000	1.1419	.10327
#2	.00779	.35992	1.1399	.10252
#3	.00792	.36021	1.1395	.10259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090741 Acquired: 4/6/2011 23:31:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31751.**	**29063.**
Stddev	80.	233.
%RSD	.25188	.80162
#1	31660.	28953.
#2	31809.	28906.
#3	31783.	29331.

Approved: April 07, 2011

Sample Name: L1103090741S Acquired: 4/6/2011 23:35:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19952**	**112.03**	**.38913**	**.27676**	**2.7369**	**.00915**
Stddev	.00190	.43	.00058	.00044	.0063	.00002
%RSD	.95197	.38031	.15029	.15788	.22849	.24051
#1	.19750	111.91	.38883	.27681	2.7302	.00913
#2	.19978	112.51	.38875	.27716	2.7425	.00914
#3	.20127	111.69	.38980	.27630	2.7380	.00917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**463.87**	**.03419**	**.10216**	**.21674**	**6.1044**	**215.01**
Stddev	7.69	.00013	.00058	.00089	.0280	.49
%RSD	1.6587	.38924	.56316	.40935	.45868	.22842
#1	461.93	.03405	.10150	.21578	6.0758	214.62
#2	472.35	.03430	.10244	.21692	6.1056	215.56
#3	457.33	.03423	.10255	.21753	6.1318	214.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.826**	**.26344**	**99.534**	**4.4518**	**.04548**	**38.685**
Stddev	.069	.00026	.294	.0050	.00031	.129
%RSD	.18648	.09811	.29489	.11150	.68105	.33394
#1	36.774	.26343	99.464	4.4518	.04529	38.729
#2	36.904	.26319	99.856	4.4568	.04584	38.786
#3	36.800	.26370	99.281	4.4469	.04531	38.539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090741S Acquired: 4/6/2011 23:35:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18161**	**12.797**	**.97064**	F **80.836**	F **1374.8**	F **-207520.**
Stddev	.00049	.028	.00222	5.983	9.4	288.
%RSD	.26708	.21909	.22910	7.4014	.68325	.13888
#1	.18122	12.768	.96807	76.690	1364.6	-207190.
#2	.18145	12.800	.97202	78.123	1376.6	-207660.
#3	.18215	12.823	.97183	87.695	1383.1	-207710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**.01024**	**3.5413**	**.03139**	**1.8038**	**.72067**
Stddev	.00071	.00135	.0088	.00036	.0043	.00071
%RSD	6.3003	13.192	.24898	1.1430	.23990	.09797
#1	.01070	.00962	3.5315	.03115	1.8067	.71985
#2	.01209	.00930	3.5440	.03181	1.8059	.72111
#3	.01112	.01178	3.5485	.03123	1.7988	.72104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00854**	**.39309**	**1.1849**	**.10514**
Stddev	.00156	.00165	.0031	.00030
%RSD	18.225	.41974	.26343	.28269
#1	.00998	.39155	1.1817	.10480
#2	.00689	.39288	1.1852	.10530
#3	.00876	.39483	1.1879	.10532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090741S Acquired: 4/6/2011 23:35:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31634.**	**28718.**
Stddev	90.	346.
%RSD	.28564	1.2056
#1	31736.	28518.
#2	31601.	28519.
#3	31565.	29118.

Approved: April 07, 2011

Sample Name: L1103090741SD Acquired: 4/6/2011 23:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23069**	**99.933**	**.38958**	**.26203**	**2.5298**	**.00897**
Stddev	.00194	.581	.00103	.00045	.0046	.00001
%RSD	.83924	.58138	.26443	.17149	.18373	.14871
#1	.22847	99.859	.38840	.26254	2.5346	.00897
#2	.23202	100.55	.39033	.26169	2.5296	.00896
#3	.23158	99.393	.39000	.26187	2.5253	.00899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**464.47**	**.03396**	**.10006**	**.19641**	**5.9705**	**193.78**
Stddev	5.80	.00006	.00011	.00059	.0055	.58
%RSD	1.2481	.19038	.10967	.30218	.09174	.29746
#1	463.14	.03400	.10015	.19575	5.9650	194.32
#2	470.81	.03398	.10008	.19660	5.9759	193.85
#3	459.45	.03388	.09994	.19689	5.9707	193.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.894**	**.24737**	**93.617**	**4.4350**	**.04304**	**38.584**
Stddev	.111	.00050	.324	.0110	.00018	.204
%RSD	.32756	.20371	.34602	.24851	.42336	.52806
#1	33.902	.24708	93.635	4.4318	.04293	38.495
#2	34.001	.24795	93.932	4.4473	.04295	38.817
#3	33.779	.24708	93.285	4.4259	.04325	38.440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090741SD Acquired: 4/6/2011 23:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17151**	**12.575**	**.94220**	F **83.320**	F **1361.4**	F **-200780.**
Stddev	.00019	.005	.00175	3.659	3.0	87.
%RSD	.11263	.03781	.18571	4.3917	.22117	.04322
#1	.17156	12.570	.94222	81.266	1358.7	-200810.
#2	.17168	12.578	.94044	81.148	1364.7	-200840.
#3	.17130	12.578	.94394	87.544	1360.8	-200680.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.00988**	**2.9671**	**.03044**	**1.7941**	**.61647**
Stddev	.00041	.00289	.0039	.00014	.0062	.00177
%RSD	3.6913	29.246	.13121	.44977	.34333	.28665
#1	.01067	.00889	2.9642	.03052	1.7910	.61568
#2	.01123	.01313	2.9716	.03029	1.8012	.61849
#3	.01147	.00762	2.9656	.03053	1.7901	.61523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00850**	**.36162**	**1.1541**	**.09327**
Stddev	.00058	.00086	.0025	.00027
%RSD	6.8041	.23659	.21783	.29126
#1	.00903	.36070	1.1521	.09356
#2	.00859	.36176	1.1533	.09325
#3	.00788	.36240	1.1569	.09301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090741SD Acquired: 4/6/2011 23:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31577.**	**28903.**
Stddev	14.	335.
%RSD	.04452	1.1581
#1	31592.	28740.
#2	31565.	28680.
#3	31573.	29288.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:42:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42039**	**9.8525**	**.41694**	**.51985**	**.99040**	**.05102**	**9.8667**
Stddev	.00264	.0498	.00082	.00132	.00141	.00005	.0307
%RSD	.62759	.50507	.19762	.25415	.14206	.10756	.31083
#1	.42207	9.8946	.41776	.52027	.98898	.05100	9.8839
#2	.42176	9.8654	.41695	.52091	.99179	.05108	9.8849
#3	.41735	9.7976	.41611	.51837	.99043	.05097	9.8313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05256**	**.21250**	**.51672**	**.52960**	**4.0123**	**50.193**	**1.0007**
Stddev	.00019	.00061	.00039	.00219	.0154	.113	.0008
%RSD	.36341	.28597	.07454	.41372	.38400	.22429	.08156
#1	.05275	.21304	.51630	.53130	4.0064	50.217	.99994
#2	.05257	.21263	.51679	.53036	4.0298	50.291	1.0007
#3	.05237	.21184	.51706	.52713	4.0007	50.070	1.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.239**	**.51185**	**.98770**	**49.320**	**.51959**	F **-.00141**	**.53202**
Stddev	.016	.00084	.00076	.100	.00101	.00135	.00310
%RSD	.15481	.16484	.07664	.20311	.19504	96.393	.58190
#1	10.222	.51091	.98818	49.396	.52032	-.00038	.53317
#2	10.254	.51254	.98810	49.358	.52003	-.00294	.53438
#3	10.241	.51209	.98683	49.206	.51844	-.00089	.52852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:42:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.167**	**10.715**	F **2.6724**	**1.2859**	**.41798**	F **.01641**	**1.0571**
Stddev	2.605	.034	6.2435	.0039	.00278	.00025	.0025
%RSD	16.114	.31504	233.63	.30353	.66527	1.5483	.23481
#1	13.214	10.716	6.0254	1.2840	.41773	.01654	1.0592
#2	18.140	10.749	-4.5313	1.2903	.42088	.01657	1.0578
#3	17.147	10.682	6.5229	1.2833	.41533	.01612	1.0543
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99571**	**1.0189**	**.53492**	**1.0285**	**1.0241**	F **.00074**
Stddev	.00152	.0019	.00409	.0022	.0022	.00006
%RSD	.15298	.19084	.76467	.20891	.21991	7.7242
#1	.99700	1.0168	.53605	1.0281	1.0264	.00079
#2	.99609	1.0195	.53833	1.0308	1.0238	.00068
#3	.99403	1.0206	.53038	1.0265	1.0219	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32806.**	**26896.**
Stddev	26.	109.
%RSD	.07808	.40467
#1	32817.	26910.
#2	32777.	26781.
#3	32824.	26998.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:45:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.01504**	**-.00109**	**-.00216**	**-.00035**	**.00004**	**.00249**
Stddev	.00062	.00374	.00022	.00023	.00015	.00001	.00150
%RSD	226.58	24.884	19.998	10.767	42.981	22.277	60.355
#1	.00040	-.01101	-.00107	-.00232	-.00028	.00003	.00169
#2	-.00040	-.01841	-.00088	-.00189	-.00052	.00005	.00156
#3	.00083	-.01570	-.00131	-.00227	-.00024	.00004	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00013**	**-.00040**	**-.00048**	**-.00054**	**.17030**	**.00143**
Stddev	.0001	.00021	.00012	.00026	.00210	.00664	.00055
%RSD	3203.6	159.56	30.980	53.104	390.13	3.8992	38.427
#1	.00010	-.00015	-.00051	-.00022	-.00288	.17761	.00182
#2	-.00013	.00009	-.00042	-.00050	.00116	.16464	.00168
#3	.00002	-.00033	-.00026	-.00073	.00011	.16865	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00437**	**-.00014**	**.00011**	**.02500**	**.00031**	**-.00282**	**-.00082**
Stddev	.00539	.00038	.00011	.00961	.00021	.00200	.00099
%RSD	123.41	279.56	95.359	38.422	67.342	70.744	120.30
#1	-.00132	-.00056	.00003	.03517	.00053	-.00314	.00030
#2	.00939	-.00001	.00007	.02377	.00028	-.00464	-.00155
#3	.00503	.00016	.00023	.01607	.00012	-.00068	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:45:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.242**	F **.11827**	F **-29.338**	**.00065**	**.00127**	**.00121**	**.00000**
Stddev	4.459	.04260	3.675	.00107	.00237	.00044	.0001
%RSD	20.991	36.017	12.526	165.34	186.78	36.701	3884.8
#1	17.193	.14784	-32.603	.00185	.00178	.00156	-.00012
#2	20.512	.13753	-30.054	.00030	.00335	.00135	.00010
#3	26.020	.06945	-25.358	-.00021	-.00132	.00071	.00002
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00039**	**-.00078**	**-.00018**	**.00099**	**.00005**
Stddev	.00006	.00043	.00090	.00036	.00002	.00001
%RSD	203.15	110.18	114.61	195.79	2.3637	28.444
#1	.00001	.00030	.00025	.00010	.00099	.00003
#2	.00000	.00001	-.00122	-.00007	.00097	.00006
#3	-.00011	.00087	-.00138	-.00058	.00101	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33258.**	**26536.**
Stddev	73.	250.
%RSD	.21877	.94332
#1	33327.	26299.
#2	33265.	26798.
#3	33182.	26512.

Approved: April 07, 2011

Sample Name: PBS A9 Acquired: 4/6/2011 23:49:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.02193**	**-.00157**	**-.00241**	**.00079**	**.00005**	**.05932**
Stddev	.00036	.00704	.00105	.00050	.00019	.00001	.00247
%RSD	115.68	32.103	66.971	20.718	24.368	11.978	4.1654
#1	.00038	-.02247	-.00172	-.00273	.00100	.00005	.06161
#2	-.00008	-.02868	-.00255	-.00183	.00065	.00005	.05964
#3	.00064	-.01463	-.00045	-.00266	.00070	.00004	.05670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00027**	**.00068**	**.00018**	**.01901**	**.37320**	**.00047**
Stddev	.00009	.00024	.00017	.00032	.00202	.04479	.00008
%RSD	64.750	87.260	24.590	179.84	10.646	12.002	16.966
#1	.00015	.00000	.00051	.00013	.01961	.36862	.00044
#2	.00024	-.00041	.00084	-.00012	.01676	.33087	.00041
#3	.00005	-.00041	.00070	.00052	.02067	.42010	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02521**	**.00025**	**.00009**	**.05204**	**.00067**	F **-.01051**	**-.00015**
Stddev	.00864	.00023	.00015	.00514	.00014	.00139	.00060
%RSD	34.291	92.662	173.21	9.8788	21.478	13.186	392.34
#1	.03510	.00005	.00022	.05795	.00058	-.01191	.00047
#2	.01911	.00019	-.00008	.04951	.00059	-.00913	-.00019
#3	.02142	.00049	.00013	.04865	.00083	-.01050	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS A9 Acquired: 4/6/2011 23:49:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.965**	**5.2849**	F **-1209.6**	**.00142**	**.00253**	**.00905**	**.00034**
Stddev	12.958	.0479	4.3	.00161	.00080	.00019	.00006
%RSD	49.904	.90720	.35782	113.64	31.547	2.1166	16.641
#1	36.370	5.2921	-1209.1	.00214	.00234	.00908	.00029
#2	30.075	5.3288	-1214.1	-.00043	.00185	.00923	.00040
#3	11.451	5.2337	-1205.5	.00255	.00341	.00885	.00034
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00090**	**-.00100**	**-.00014**	**.00292**	**.00002**
Stddev	.00006	.00026	.00039	.00014	.00003	.00006
%RSD	58.714	29.307	38.551	98.491	.99086	303.30
#1	.00003	.00104	-.00116	-.00007	.00296	-.00003
#2	.00015	.00105	-.00129	-.00030	.00290	.00008
#3	.00013	.00059	-.00056	-.00005	.00291	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32918.**	**26828.**
Stddev	69.	113.
%RSD	.20863	.42129
#1	32846.	26862.
#2	32983.	26702.
#3	32925.	26920.

Approved: April 07, 2011

Sample Name: LCSS A9 Acquired: 4/6/2011 23:53:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19309**	**-.02267**	**.19363**	**-.00248**	**.00072**	**.00004**	**.02449**
Stddev	.00106	.01329	.00093	.00044	.00009	.00001	.00537
%RSD	.55052	58.615	.48286	17.857	12.352	18.793	21.920
#1	.19391	-.03575	.19466	-.00274	.00076	.00004	.02165
#2	.19189	-.02309	.19340	-.00197	.00078	.00005	.03068
#3	.19348	-.00918	.19283	-.00273	.00062	.00003	.02114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02498**	**-.00029**	**.00058**	**.26141**	**.01659**	**.09671**	**.00055**
Stddev	.00017	.00017	.00008	.00155	.00128	.04552	.00032
%RSD	.68623	59.313	13.273	.59337	7.6898	47.073	58.696
#1	.02510	-.00026	.00066	.26320	.01720	.06308	.00065
#2	.02478	-.00014	.00056	.26059	.01512	.07854	.00019
#3	.02505	-.00047	.00051	.26044	.01745	.14851	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01210**	**.26092**	**.00005**	**.03883**	**.00058**	F **-.01030**	**.26815**
Stddev	.00562	.00210	.00003	.00480	.00032	.00265	.00108
%RSD	46.432	.80600	64.607	12.349	54.959	25.783	.40350
#1	.01037	.26003	.00002	.03588	.00052	-.01221	.26820
#2	.00755	.25942	.00004	.04436	.00093	-.01142	.26704
#3	.01838	.26333	.00008	.03624	.00030	-.00727	.26920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS A9 Acquired: 4/6/2011 23:53:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **31.136**	**.14000**	F **-23.652**	**.00153**	**.00302**	**.00827**	**.00018**
Stddev	1.001	.02311	2.786	.00098	.00332	.00065	.00018
%RSD	3.2158	16.504	11.778	63.884	109.89	7.8466	98.472
#1	30.659	.11439	-26.331	.00073	.00549	.00853	.00007
#2	30.462	.14634	-23.854	.00123	.00432	.00753	.00009
#3	32.286	.15928	-20.771	.00262	-.00075	.00875	.00039
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00108**	**-.00163**	**-.00013**	**.00294**	**.00007**
Stddev	.00002	.00030	.00026	.00005	.00006	.00002
%RSD	76.814	28.033	15.730	36.086	1.9657	30.717
#1	-.00002	.00121	-.00191	-.00007	.00294	.00005
#2	-.00002	.00131	-.00142	-.00015	.00300	.00009
#3	-.00006	.00074	-.00155	-.00015	.00288	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33017.**	**26786.**
Stddev	14.	206.
%RSD	.04174	.76781
#1	33011.	26660.
#2	33008.	27023.
#3	33033.	26674.

Approved: April 07, 2011

Sample Name: L1103090742 Acquired: 4/6/2011 23:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03104**	**198.74**	**.21357**	**.31966**	**3.2233**	^ *****
Stddev	.00053	.10	.00105	.00129	.0047	-----
%RSD	1.6953	.04847	.49350	.40458	.14682	-----
#1	.03123	198.64	.21367	.32107	3.2228	^ -----
#2	.03044	198.75	.21247	.31937	3.2283	^ -----
#3	.03144	198.84	.21457	.31854	3.2189	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**526.27**	**.01048**	**.12414**	**.27290**	**9.2184**	**293.84**
Stddev	3.21	.00005	.00022	.00087	.0221	.27
%RSD	.60906	.49240	.17871	.31827	.23929	.09299
#1	523.27	.01054	.12398	.27335	9.2181	294.13
#2	525.89	.01046	.12406	.27345	9.1965	293.78
#3	529.65	.01044	.12440	.27190	9.2406	293.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.756**	**.35855**	**133.54**	**5.0029**	**.06031**	**30.673**
Stddev	.084	.00048	.28	.0047	.00027	.059
%RSD	.16880	.13432	.20605	.09346	.45345	.19162
#1	49.662	.35910	133.31	4.9987	.06014	30.651
#2	49.823	.35831	133.85	5.0079	.06063	30.629
#3	49.782	.35824	133.47	5.0021	.06017	30.740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090742 Acquired: 4/6/2011 23:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22532**	**11.964**	**.89339**	F **83.090**	F **1033.0**	F **-115490.**
Stddev	.00089	.033	.00194	13.226	2.1	138.
%RSD	.39432	.27686	.21747	15.917	.20279	.11926
#1	.22436	11.960	.89337	97.733	1033.1	-115370.
#2	.22552	11.934	.89146	72.013	1030.9	-115470.
#3	.22610	12.000	.89534	79.523	1035.1	-115640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.01177**	**1.1200**	**.04475**	**2.0334**	**4.2418**
Stddev	.00036	.00130	.0026	.00027	.0020	.0004
%RSD	3.4640	11.009	.23524	.60075	.09899	.00845
#1	.01014	.01028	1.1202	.04461	2.0328	4.2422
#2	.01087	.01262	1.1173	.04459	2.0317	4.2418
#3	.01059	.01241	1.1225	.04506	2.0356	4.2415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01852**	**.56455**	**1.3009**	**.16845**
Stddev	.00191	.00260	.0004	.00071
%RSD	10.289	.46038	.02984	.42080
#1	.01997	.56690	1.3013	.16875
#2	.01922	.56500	1.3007	.16896
#3	.01636	.56176	1.3006	.16764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090742 Acquired: 4/6/2011 23:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31712.**	**28731.**
Stddev	36.	45.
%RSD	.11491	.15682
#1	31670.	28730.
#2	31729.	28687.
#3	31736.	28777.

Approved: April 07, 2011

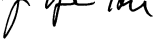
Sample Name: L1103090742PS Acquired: 4/7/2011 0:00:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360991-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23748**	**183.37**	**.39620**	**1.2303**	**3.3680**	**.02940**
Stddev	.00129	.50	.00177	.0061	.0008	.00005
%RSD	.54503	.27181	.44596	.49270	.02257	.16405
#1	.23852	183.87	.39809	1.2372	3.3673	.02942
#2	.23603	182.87	.39459	1.2280	3.3679	.02943
#3	.23788	183.36	.39593	1.2257	3.3688	.02934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**477.78**	**.03467**	**.20948**	**.48860**	**8.6261**	**265.78**
Stddev	2.94	.00014	.00095	.00165	.0407	4.42
%RSD	.61624	.41125	.45113	.33802	.47180	1.6614
#1	474.40	.03482	.20994	.49050	8.6404	270.05
#2	479.76	.03454	.20839	.48782	8.5801	266.06
#3	479.18	.03466	.21010	.48748	8.6577	261.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.934**	**.81495**	**124.70**	**4.7645**	**.54015**	**52.108**
Stddev	.126	.00085	.34	.0173	.00081	.250
%RSD	.18328	.10473	.27613	.36266	.15078	.48059
#1	69.080	.81591	125.10	4.7843	.54107	52.398
#2	68.856	.81428	124.51	4.7570	.53988	51.965
#3	68.866	.81467	124.50	4.7523	.53951	51.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090742PS Acquired: 4/7/2011 0:00:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360991-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43866**	**10.935**	**1.0423**	F **88.835**	F **948.59**	F **-105710.**
Stddev	.00171	.028	.0024	6.436	4.37	118.
%RSD	.38936	.25992	.22937	7.2446	.46052	.11207
#1	.44019	10.943	1.0451	87.251	948.54	-105770.
#2	.43681	10.903	1.0411	83.340	944.25	-105570.
#3	.43898	10.959	1.0408	95.916	952.99	-105780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60011**	**.20304**	**3.5559**	**.04069**	**2.3141**	**4.3081**
Stddev	.00121	.00243	.0084	.00031	.0101	.0127
%RSD	.20152	1.1982	.23507	.77281	.43445	.29573
#1	.60015	.20551	3.5612	.04102	2.3257	4.3224
#2	.59889	.20065	3.5463	.04068	2.3072	4.2981
#3	.60130	.20297	3.5603	.04039	2.3096	4.3037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.23760**	**1.0176**	**1.6465**	**.15304**
Stddev	.00124	.0031	.0017	.00077
%RSD	.52078	.30689	.10073	.50538
#1	.23697	1.0210	1.6480	.15392
#2	.23903	1.0149	1.6447	.15246
#3	.23680	1.0168	1.6467	.15273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090742PS Acquired: 4/7/2011 0:00:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360991-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31600.**	**28806.**
Stddev	51.	271.
%RSD	.16284	.93967
#1	31544.	28515.
#2	31644.	28854.
#3	31613.	29050.

Approved: April 07, 2011

Sample Name: L1103090742SDL Acquired: 4/7/2011 0:03:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**40.830**	**.04716**	**.07146**	**.65964**	**.00090**	**116.12**
Stddev	.00009	.282	.00091	.00064	.00129	.00002	.50
%RSD	1.2722	.69055	1.9215	.89687	.19567	1.7437	.42798
#1	.00677	40.972	.04613	.07220	.66021	.00088	116.39
#2	.00674	40.505	.04751	.07111	.65816	.00091	115.54
#3	.00661	41.013	.04783	.07107	.66055	.00090	116.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.02816**	**.05891**	**2.0433**	**64.049**	**10.488**	**.07484**
Stddev	.00008	.00017	.00014	.0055	.129	.044	.00136
%RSD	3.3639	.59810	.23143	.27005	.20110	.41833	1.8124
#1	.00235	.02836	.05876	2.0482	64.138	10.539	.07621
#2	.00229	.02808	.05903	2.0373	63.902	10.466	.07350
#3	.00244	.02806	.05892	2.0444	64.109	10.460	.07481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.172**	**1.0816**	**.01242**	**6.3801**	**.05027**	**2.6780**	**.21098**
Stddev	.058	.0029	.00036	.0316	.00037	.0061	.00152
%RSD	.19804	.26720	2.8765	.49505	.73220	.22921	.72202
#1	29.239	1.0835	.01210	6.3987	.05067	2.6837	.21133
#2	29.143	1.0783	.01235	6.3436	.05020	2.6715	.20930
#3	29.135	1.0832	.01280	6.3979	.04995	2.6788	.21229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090742SDL Acquired: 4/7/2011 0:03:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **31.783**	F **234.84**	F **-25425.**	**.00214**	**-.00009**	**.24168**	**.00969**
Stddev	8.476	.73	204.	.00177	.00043	.00179	.00013
%RSD	26.668	.31104	.80348	82.880	479.55	.73886	1.3504
#1	31.829	235.50	-25577.	.00018	.00039	.24232	.00981
#2	23.284	234.05	-25193.	.00259	-.00043	.23967	.00955
#3	40.236	234.97	-25505.	.00364	-.00022	.24307	.00971
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42138**	**.88973**	**.00524**	**.11967**	**.29098**	**.03360**
Stddev	.00243	.00274	.00152	.00011	.00041	.00008
%RSD	.57702	.30811	29.051	.09421	.14083	.23695
#1	.42271	.89142	.00407	.11965	.29098	.03356
#2	.41858	.88657	.00468	.11957	.29057	.03355
#3	.42286	.89120	.00696	.11979	.29139	.03369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33072.**	**28364.**
Stddev	150.	115.
%RSD	.45328	.40433
#1	33216.	28467.
#2	33084.	28240.
#3	32917.	28383.

Approved: April 07, 2011

Sample Name: L1103090742SDL Acquired: 4/7/2011 0:07:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**8.2416**	**.00967**	**.01265**	**.13133**	**.00019**	**23.345**
Stddev	.00054	.0101	.00122	.00043	.00022	.00002	.040
%RSD	41.967	.12319	12.623	3.3935	.17130	7.9994	.17006
#1	.00155	8.2376	.01048	.01313	.13110	.00018	23.304
#2	.00164	8.2532	.00826	.01254	.13133	.00018	23.383
#3	.00067	8.2341	.01026	.01229	.13155	.00020	23.348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00602**	**.01148**	**.42231**	**12.894**	**2.1875**	**.01466**
Stddev	.00009	.00001	.00038	.00156	.025	.0066	.00031
%RSD	23.201	.14813	3.2713	.36830	.19761	.30137	2.1373
#1	.00033	.00601	.01191	.42326	12.874	2.1799	.01502
#2	.00049	.00602	.01120	.42315	12.884	2.1910	.01442
#3	.00035	.00603	.01133	.42051	12.922	2.1917	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0416**	**.22064**	**.00231**	**1.2769**	**.01012**	**.54934**	**.04290**
Stddev	.0147	.00119	.00008	.0163	.00022	.00216	.00069
%RSD	.24372	.53862	3.4319	1.2735	2.1356	.39405	1.6149
#1	6.0560	.22152	.00231	1.2708	.01006	.54950	.04368
#2	6.0421	.22110	.00239	1.2953	.00994	.54710	.04235
#3	6.0266	.21928	.00223	1.2645	.01036	.55143	.04268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090742SDL Acquired: 4/7/2011 0:07:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.226**	F **50.329**	F **-5167.8**	**-.00038**	**.00085**	**.04530**	**.00183**
Stddev	10.738	.250	5.3	.00008	.00304	.00067	.00021
%RSD	105.01	.49577	.10181	22.056	357.27	1.4893	11.323
#1	1.4508	50.565	-5168.8	-.00029	.00308	.04534	.00193
#2	7.0274	50.354	-5162.1	-.00042	-.00261	.04596	.00159
#3	22.200	50.068	-5172.5	-.00044	.00209	.04461	.00197
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08436**	**.17817**	**.00151**	**.02355**	**.06089**	**.00559**
Stddev	.00020	.00073	.00042	.00018	.00014	.00015
%RSD	.23772	.41150	27.658	.75184	.22177	2.6351
#1	.08423	.17763	.00128	.02371	.06103	.00575
#2	.08459	.17789	.00199	.02336	.06086	.00555
#3	.08426	.17901	.00126	.02358	.06077	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33858.**	**27520.**
Stddev	102.	72.
%RSD	.30023	.26077
#1	33779.	27476.
#2	33822.	27481.
#3	33973.	27603.

Approved: April 07, 2011

Sample Name: L1103090743 Acquired: 4/7/2011 0:10:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04737**	**219.29**	**.30507**	**.36369**	**2.3337**	**.00564**
Stddev	.00046	.64	.00038	.00295	.0056	.00004
%RSD	.97061	.29259	.12509	.81073	.24171	.68273
#1	.04787	218.57	.30543	.36175	2.3397	.00566
#2	.04727	219.48	.30511	.36709	2.3286	.00560
#3	.04697	219.82	.30467	.36224	2.3326	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**466.50**	**.01969**	**.13921**	**.40570**	**12.607**	**310.90**
Stddev	5.00	.00020	.00018	.00137	.036	4.38
%RSD	1.0728	1.0059	.13258	.33833	.28217	1.4075
#1	463.18	.01963	.13900	.40678	12.603	309.86
#2	464.07	.01992	.13929	.40416	12.644	315.71
#3	472.26	.01954	.13935	.40617	12.573	307.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.526**	**.39744**	**139.11**	**5.5604**	**.04249**	**38.639**
Stddev	.064	.00092	.43	.0028	.00017	.070
%RSD	.12359	.23097	.31213	.05099	.39154	.18226
#1	51.463	.39847	138.62	5.5575	.04248	38.562
#2	51.525	.39713	139.25	5.5631	.04234	38.701
#3	51.591	.39672	139.45	5.5604	.04267	38.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090743 Acquired: 4/7/2011 0:10:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24602**	**16.375**	**.85461**	F **97.480**	F **1104.9**	F **-146140.**
Stddev	.00019	.022	.00219	5.952	2.7	129.
%RSD	.07686	.13365	.25666	6.1056	.24852	.08860
#1	.24580	16.373	.85232	95.633	1104.6	-146220.
#2	.24611	16.398	.85669	104.14	1107.9	-146210.
#3	.24615	16.354	.85484	92.671	1102.4	-145990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01215**	**.00836**	**1.2769**	**.15758**	**1.7528**	**3.7841**
Stddev	.00124	.00266	.0023	.00047	.0021	.0022
%RSD	10.169	31.759	.17978	.29779	.11829	.05778
#1	.01347	.01143	1.2746	.15708	1.7529	3.7867
#2	.01196	.00669	1.2792	.15802	1.7549	3.7828
#3	.01102	.00697	1.2770	.15763	1.7507	3.7829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01679**	**.58103**	**2.2135**	**.16703**
Stddev	.00102	.00083	.0046	.00026
%RSD	6.0619	.14223	.20658	.15620
#1	.01734	.58017	2.2082	.16678
#2	.01561	.58112	2.2165	.16730
#3	.01741	.58181	2.2158	.16700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090743 Acquired: 4/7/2011 0:10:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31583.**	**28815.**
Stddev	67.	132.
%RSD	.21291	.45638
#1	31566.	28810.
#2	31526.	28687.
#3	31657.	28950.

Approved: April 07, 2011

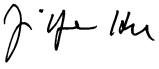
Sample Name: L1103090744S Acquired: 4/7/2011 0:14:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24062**	**204.90**	**.50036**	**.34634**	**2.3058**	**.00692**
Stddev	.00183	1.38	.00264	.00233	.0101	.00004
%RSD	.76120	.67141	.52775	.67277	.43943	.63377
#1	.24254	204.72	.50332	.34518	2.3119	.00696
#2	.23888	206.36	.49826	.34902	2.3114	.00687
#3	.24045	203.63	.49949	.34481	2.2941	.00692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**471.23**	**.04450**	**.14622**	**.41796**	**13.562**	**316.34**
Stddev	2.78	.00017	.00052	.00050	.068	3.85
%RSD	.58992	.39158	.35236	.12045	.50099	1.2186
#1	468.34	.04470	.14672	.41766	13.640	313.87
#2	471.46	.04440	.14625	.41855	13.517	320.78
#3	473.89	.04440	.14569	.41769	13.528	314.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.462**	**.38712**	**136.42**	**6.0292**	**.04431**	**35.799**
Stddev	.209	.00217	.48	.0138	.00035	.170
%RSD	.43113	.56119	.34839	.22953	.78662	.47601
#1	48.496	.38844	135.90	6.0163	.04408	35.751
#2	48.651	.38829	136.82	6.0438	.04414	35.989
#3	48.238	.38461	136.56	6.0275	.04471	35.658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090744S Acquired: 4/7/2011 0:14:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24820**	**16.890**	**1.0885**	F **103.81**	F **1110.1**	F **-143990.**
Stddev	.00074	.052	.0037	7.32	6.7	205.
%RSD	.29695	.30630	.33876	7.0530	.60260	.14211
#1	.24903	16.949	1.0928	100.07	1117.6	-144130.
#2	.24763	16.863	1.0864	112.25	1107.9	-144090.
#3	.24793	16.857	1.0864	99.122	1104.8	-143760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01459**	**.01202**	**1.5467**	**.17556**	**1.7379**	**3.0331**
Stddev	.00156	.00163	.0026	.00126	.0100	.0064
%RSD	10.712	13.573	.16617	.72026	.57263	.21049
#1	.01614	.01206	1.5496	.17702	1.7409	3.0357
#2	.01302	.01037	1.5452	.17480	1.7459	3.0377
#3	.01462	.01363	1.5451	.17486	1.7268	3.0258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01801**	**.60116**	**2.1620**	**.15226**
Stddev	.00206	.00267	.0065	.00026
%RSD	11.417	.44433	.30218	.17118
#1	.01578	.60417	2.1696	.15226
#2	.01843	.59907	2.1579	.15252
#3	.01983	.60024	2.1586	.15200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090744S Acquired: 4/7/2011 0:14:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31402.**	**28711.**
Stddev	123.	131.
%RSD	.39297	.45791
#1	31260.	28820.
#2	31480.	28565.
#3	31467.	28748.

Approved: April 07, 2011

Sample Name: L1103090745SD Acquired: 4/7/2011 0:17:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23403**	**203.26**	**.48233**	**.34591**	**2.2614**	**.00556**
Stddev	.00233	.36	.00195	.00281	.0055	.00004
%RSD	.99466	.17844	.40443	.81364	.24353	.76085
#1	.23138	203.05	.48174	.34805	2.2648	.00552
#2	.23575	203.05	.48450	.34272	2.2645	.00560
#3	.23495	203.68	.48074	.34696	2.2551	.00557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**441.36**	**.04269**	**.14143**	**.41028**	**12.778**	**319.33**
Stddev	6.98	.00005	.00047	.00254	.031	3.43
%RSD	1.5810	.12434	.33119	.61804	.24308	1.0734
#1	449.34	.04264	.14105	.41307	12.749	320.76
#2	436.36	.04270	.14128	.40965	12.774	315.42
#3	438.39	.04275	.14196	.40811	12.811	321.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.152**	**.37163**	**130.11**	**5.7386**	**.04193**	**35.121**
Stddev	.032	.00042	.30	.0136	.00024	.122
%RSD	.06592	.11308	.23198	.23612	.57970	.34632
#1	48.141	.37186	129.91	5.7299	.04177	35.060
#2	48.128	.37115	129.96	5.7317	.04221	35.041
#3	48.188	.37189	130.46	5.7542	.04181	35.261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090745SD Acquired: 4/7/2011 0:17:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24203**	**16.532**	**1.0837**	F **100.43**	F **1077.4**	F **-143530.**
Stddev	.00058	.046	.0004	9.22	3.5	62.
%RSD	.24128	.27749	.03725	9.1811	.32797	.04335
#1	.24142	16.498	1.0842	92.959	1073.6	-143550.
#2	.24211	16.514	1.0834	110.74	1078.3	-143450.
#3	.24258	16.584	1.0835	97.606	1080.5	-143570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01303**	**.00902**	**1.3060**	**.15098**	**1.6379**	**3.5464**
Stddev	.00144	.00243	.0060	.00099	.0046	.0031
%RSD	11.083	26.987	.45781	.65293	.28021	.08784
#1	.01161	.01050	1.3030	.15019	1.6349	3.5443
#2	.01450	.01034	1.3021	.15067	1.6355	3.5449
#3	.01299	.00621	1.3129	.15208	1.6432	3.5500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01836**	**.61367**	**2.1593**	**.15255**
Stddev	.00040	.00317	.0037	.00063
%RSD	2.1572	.51654	.17218	.41617
#1	.01791	.61005	2.1555	.15328
#2	.01859	.61593	2.1595	.15223
#3	.01859	.61504	2.1629	.15215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090745SD Acquired: 4/7/2011 0:17:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31581.**	**28787.**
Stddev	21.	139.
%RSD	.06688	.48338
#1	31602.	28707.
#2	31560.	28947.
#3	31582.	28706.

Approved: April 07, 2011

Sample Name: L1103090746 Acquired: 4/7/2011 0:21:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03915**	**218.73**	**.24457**	**.36189**	**3.3558**	^ *****
Stddev	.00072	1.44	.00109	.00195	.0086	-----
%RSD	1.8289	.65940	.44416	.53810	.25686	-----
#1	.03907	217.40	.24407	.36092	3.3507	^ -----
#2	.03848	218.54	.24383	.36413	3.3510	^ -----
#3	.03991	220.26	.24582	.36061	3.3658	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**894.83**	**.01525**	**.14104**	**.35353**	**7.8984**	**308.62**
Stddev	8.91	.00006	.00073	.00219	.0291	1.35
%RSD	.99539	.38294	.51463	.61967	.36849	.43711
#1	887.52	.01529	.14181	.35474	7.9292	307.21
#2	904.75	.01518	.14094	.35484	7.8946	309.90
#3	892.22	.01526	.14036	.35100	7.8714	308.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.795**	**.45609**	**169.46**	**5.1471**	**.02750**	**50.130**
Stddev	.238	.00256	.66	.0140	.00013	.287
%RSD	.47741	.56110	.38846	.27254	.47378	.57251
#1	49.585	.45412	168.89	5.1329	.02743	49.843
#2	49.746	.45517	169.31	5.1474	.02741	50.130
#3	50.053	.45898	170.18	5.1610	.02765	50.417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090746 Acquired: 4/7/2011 0:21:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24520**	**14.312**	**.69290**	F **92.966**	F **1714.5**	F **-166370.**
Stddev	.00059	.045	.00155	5.944	6.3	243.
%RSD	.24000	.31279	.22416	6.3935	.37030	.14608
#1	.24576	14.362	.69186	86.533	1721.6	-166650.
#2	.24459	14.299	.69468	94.112	1712.5	-166220.
#3	.24524	14.276	.69215	98.253	1709.3	-166240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01225**	**.00993**	**1.4268**	**.06088**	**3.0787**	**4.7274**
Stddev	.00045	.00154	.0026	.00056	.0469	.0121
%RSD	3.6738	15.545	.18059	.91504	1.5230	.25673
#1	.01202	.00834	1.4277	.06054	3.0423	4.7148
#2	.01277	.01003	1.4288	.06152	3.0623	4.7285
#3	.01197	.01142	1.4239	.06058	3.1316	4.7390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01950**	**.65516**	**1.9094**	**.13083**
Stddev	.00070	.00242	.0038	.00057
%RSD	3.5764	.37000	.19882	.43470
#1	.01995	.65762	1.9126	.13103
#2	.01870	.65507	1.9104	.13126
#3	.01985	.65278	1.9052	.13018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090746 Acquired: 4/7/2011 0:21:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30483.**	**28334.**
Stddev	97.	68.
%RSD	.31747	.24165
#1	30383.	28263.
#2	30491.	28400.
#3	30576.	28340.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 0:25:18 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42243**	**9.9463**	**.41750**	**.52291**	**.99345**	**.05121**	**10.046**
Stddev	.00129	.0236	.00171	.00212	.00041	.00021	.027
%RSD	.30567	.23726	.41035	.40551	.04157	.40077	.27101
#1	.42169	9.9736	.41643	.52155	.99357	.05098	10.069
#2	.42168	9.9316	.41659	.52535	.99300	.05138	10.053
#3	.42392	9.9338	.41947	.52182	.99380	.05125	10.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05296**	**.21341**	**.51919**	**.53259**	**4.0583**	**50.365**	**1.0068**
Stddev	.00011	.00058	.00272	.00070	.0088	.040	.0017
%RSD	.21319	.27359	.52433	.13164	.21680	.07852	.17166
#1	.05285	.21294	.51742	.53244	4.0593	50.335	1.0084
#2	.05296	.21323	.52232	.53335	4.0665	50.409	1.0070
#3	.05308	.21406	.51782	.53197	4.0490	50.349	1.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.243**	**.51405**	**.99462**	**49.581**	**.52285**	F **-.00055**	**.53731**
Stddev	.021	.00065	.00102	.123	.00053	.00012	.00018
%RSD	.20266	.12578	.10211	.24900	.10163	21.064	.03330
#1	10.248	.51331	.99576	49.525	.52225	-.00068	.53739
#2	10.261	.51453	.99430	49.723	.52307	-.00054	.53744
#3	10.220	.51430	.99381	49.496	.52324	-.00044	.53711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 0:25:18 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.515**	**10.944**	F **-2.2193**	**1.2961**	**.42200**	F **.01617**	**1.0600**
Stddev	6.141	.010	5.2046	.0034	.00220	.00086	.0012
%RSD	39.583	.09241	234.52	.26316	.52209	5.2925	.10847
#1	21.767	10.955	-7.0895	1.2946	.41947	.01622	1.0588
#2	15.286	10.937	3.2651	1.2937	.42307	.01530	1.0610
#3	9.4908	10.938	-2.8333	1.3000	.42347	.01701	1.0603
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0021**	**1.0235**	**.53987**	**1.0341**	**1.0267**	F **.00083**
Stddev	.0024	.0017	.00268	.0025	.0013	.00012
%RSD	.23765	.16419	.49649	.24455	.12730	14.161
#1	1.0014	1.0233	.54091	1.0314	1.0252	.00075
#2	1.0048	1.0253	.53683	1.0364	1.0276	.00096
#3	1.0002	1.0219	.54188	1.0344	1.0273	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32601.**	**26833.**
Stddev	94.	122.
%RSD	.28789	.45377
#1	32706.	26963.
#2	32526.	26722.
#3	32570.	26815.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 0:28:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.01759**	**-.00003**	**-.00198**	**.00000**	**.00002**	**.05403**
Stddev	.00093	.01633	.00086	.00062	.00007	.00001	.00664
%RSD	945.45	92.830	2524.3	31.145	1798.3	52.541	12.288
#1	-.00089	-.00285	-.00022	-.00184	.00008	.00002	.05947
#2	.00096	-.01478	.00091	-.00145	-.00002	.00002	.05598
#3	.00023	-.03515	-.00079	-.00266	-.00005	.00004	.04663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00002**	**.00012**	**-.00041**	**.01705**	**.17055**	**.00235**
Stddev	.00012	.00005	.00005	.00027	.00288	.03551	.00110
%RSD	534.72	252.56	46.001	67.141	16.906	20.821	46.627
#1	-.00013	-.00007	.00006	-.00065	.01960	.14612	.00302
#2	-.00005	.00002	.00017	-.00046	.01392	.21128	.00109
#3	.00011	-.00001	.00012	-.00011	.01763	.15425	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01984**	**.00055**	**.00016**	**.03252**	**.00001**	**-.00318**	**.00042**
Stddev	.00539	.00017	.00016	.01211	.00019	.00171	.00069
%RSD	27.169	29.752	103.36	37.221	1281.1	53.930	165.73
#1	.02448	.00065	.00005	.04626	.00023	-.00515	.00061
#2	.01393	.00065	.00008	.02792	-.00010	-.00201	.00100
#3	.02110	.00036	.00034	.02340	-.00009	-.00238	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 0:28:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.323**	F **.09970**	F **-21.259**	**.00069**	**.00028**	**.00138**	**.00017**
Stddev	2.695	.04079	7.167	.00083	.00170	.00048	.00020
%RSD	12.073	40.915	33.712	120.39	611.59	34.768	112.90
#1	24.753	.11496	-29.343	.00164	-.00155	.00083	.00005
#2	22.792	.05348	-15.687	.00009	.00055	.00158	.00040
#3	19.425	.13066	-18.746	.00034	.00183	.00172	.00008
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00078**	**.00025**	**-.00002**	**.00102**	**-.00008**
Stddev	.00013	.00071	.00106	.00005	.00006	.00006
%RSD	47.359	91.488	424.85	241.17	5.7122	70.846
#1	.00040	.00139	.00146	.00001	.00107	-.00003
#2	.00027	.00094	-.00025	-.00008	.00096	-.00007
#3	.00014	.00000	-.00047	.00000	.00102	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33492.**	**26924.**
Stddev	56.	174.
%RSD	.16665	.64472
#1	33439.	26928.
#2	33486.	27095.
#3	33550.	26748.

Approved: April 07, 2011

Sample Name: L1103090747 Acquired: 4/7/2011 0:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03173**	**208.82**	**.25050**	**.25145**	**2.4537**	**.00435**	**549.29**
Stddev	.00040	.79	.00028	.00367	.0072	.00002	6.67
%RSD	1.2479	.37967	.11018	1.4595	.29511	.54156	1.2144
#1	.03129	208.28	.25042	.24728	2.4463	.00436	550.51
#2	.03207	209.73	.25081	.25421	2.4607	.00432	542.09
#3	.03182	208.46	.25027	.25285	2.4540	.00436	555.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01585**	**.14333**	**.30544**	**16.104**	**321.12**	**49.029**	**.33759**
Stddev	.00011	.00056	.00158	.041	5.28	.106	.00047
%RSD	.71888	.39246	.51844	.25655	1.6455	.21643	.13982
#1	.01573	.14325	.30412	16.072	315.44	48.910	.33741
#2	.01595	.14281	.30500	16.089	325.89	49.115	.33813
#3	.01586	.14392	.30719	16.150	322.03	49.062	.33724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**136.82**	**6.0957**	**.04969**	**3.8692**	**.27468**	**12.930**	**1.7436**
Stddev	.34	.0031	.00023	.0137	.00016	.008	.0034
%RSD	.24668	.05142	.45534	.35279	.05879	.06337	.19255
#1	136.63	6.0993	.04943	3.8804	.27452	12.935	1.7411
#2	136.62	6.0934	.04979	3.8732	.27467	12.920	1.7424
#3	137.21	6.0945	.04984	3.8540	.27484	12.934	1.7474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090747 Acquired: 4/7/2011 0:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **94.093**	F **802.41**	F **-59333.**	**.01965**	**.01169**	**1.3495**	**.19821**
Stddev	4.894	2.21	62.	.00063	.00228	.0044	.00055
%RSD	5.2006	.27582	.10425	3.2073	19.465	.32404	.27831
#1	89.514	801.39	-59369.	.01903	.00946	1.3519	.19771
#2	99.250	800.90	-59262.	.01962	.01401	1.3445	.19812
#3	93.516	804.95	-59368.	.02029	.01160	1.3522	.19880
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0504**	**3.9662**	**.01868**	**.60364**	**2.1571**	**.12995**
Stddev	.0054	.0036	.00069	.00184	.0037	.00065
%RSD	.26274	.09131	3.6737	.30406	.17292	.50265
#1	2.0486	3.9629	.01904	.60342	2.1540	.12928
#2	2.0565	3.9701	.01911	.60192	2.1560	.13000
#3	2.0462	3.9655	.01789	.60557	2.1612	.13058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31711.**	**28681.**
Stddev	51.	137.
%RSD	.16170	.47666
#1	31754.	28524.
#2	31724.	28742.
#3	31654.	28776.

Approved: April 07, 2011

Sample Name: L1103090748 Acquired: 4/7/2011 0:35:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04713**	**248.14**	**.20483**	**.26468**	**4.0681**	^ *****	**664.55**
Stddev	.00019	1.13	.00147	.00045	.0040	-----	9.02
%RSD	.39596	.45525	.71601	.17128	.09765	-----	1.3571
#1	.04708	249.24	.20421	.26483	4.0656	^ -----	668.43
#2	.04733	246.98	.20377	.26418	4.0660	^ -----	670.98
#3	.04697	248.21	.20650	.26504	4.0727	^ -----	654.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00993**	**.17836**	**.46709**	**6.9022**	**369.62**	**60.572**	**.39847**
Stddev	.00010	.00038	.00125	.0051	3.43	.127	.00135
%RSD	.96089	.21086	.26843	.07375	.92825	.20956	.33815
#1	.00983	.17806	.46846	6.9078	366.22	60.617	.39787
#2	.01002	.17878	.46682	6.8979	369.56	60.428	.39752
#3	.00994	.17824	.46600	6.9007	373.08	60.670	.40001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.98**	**6.8033**	**.04957**	**4.2094**	**.47822**	**13.548**	**.70189**
Stddev	.16	.0077	.00027	.0176	.00035	.019	.00220
%RSD	.09179	.11266	.54735	.41834	.07301	.14380	.31312
#1	171.83	6.7983	.04968	4.2238	.47862	13.558	.70052
#2	171.97	6.7996	.04927	4.1898	.47807	13.526	.70073
#3	172.15	6.8121	.04978	4.2147	.47796	13.561	.70443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090748 Acquired: 4/7/2011 0:35:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **114.60**	F **924.83**	F **-54549.**	**.01285**	**.00937**	**1.3025**	**.04474**
Stddev	3.54	.59	77.	.00302	.00218	.0032	.00016
%RSD	3.0868	.06365	.14164	23.523	23.222	.24357	.35777
#1	117.37	925.47	-54608.	.01624	.00691	1.3056	.04456
#2	110.61	924.73	-54461.	.01043	.01016	1.2992	.04481
#3	115.80	924.30	-54576.	.01189	.01104	1.3026	.04486
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1843**	**6.0471**	**.02613**	**.74920**	**1.2763**	**.10954**
Stddev	.0093	.0084	.00110	.00262	.0011	.00067
%RSD	.42556	.13848	4.2056	.34909	.08369	.61593
#1	2.1913	6.0462	.02685	.75066	1.2750	.11004
#2	2.1737	6.0393	.02668	.75076	1.2770	.10981
#3	2.1879	6.0559	.02487	.74618	1.2768	.10878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31336.**	**29197.**
Stddev	92.	144.
%RSD	.29236	.49216
#1	31249.	29056.
#2	31328.	29190.
#3	31431.	29344.

Approved: April 07, 2011

Sample Name: L1103090801 Acquired: 4/7/2011 0:39:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02957	165.22	.09408	.24707	1.8344	^ *****
Stddev	.00044	.76	.00106	.00193	.0051	-----
%RSD	1.4867	.46023	1.1279	.78243	.28001	-----
#1	.02907	166.02	.09330	.24906	1.8401	^ -----
#2	.02977	164.51	.09529	.24520	1.8301	^ -----
#3	.02988	165.12	.09364	.24695	1.8329	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	365.47	.00792	.12893	.39897	2.9877	335.17
Stddev	6.16	.00016	.00085	.00107	.0186	4.23
%RSD	1.6846	1.9755	.66069	.26772	.62242	1.2610
#1	369.52	.00810	.12937	.39786	2.9982	339.58
#2	358.39	.00782	.12948	.39999	2.9988	331.15
#3	368.50	.00783	.12795	.39906	2.9663	334.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	42.152	.24445	113.76	4.9694	.04211	18.326
Stddev	.122	.00064	.59	.0180	.00025	.041
%RSD	.28992	.26315	.51907	.36265	.60545	.22321
#1	42.259	.24519	113.80	4.9635	.04216	18.372
#2	42.019	.24403	113.16	4.9550	.04233	18.296
#3	42.179	.24413	114.33	4.9896	.04183	18.310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090801 Acquired: 4/7/2011 0:39:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26488**	**11.448**	**.83850**	F **90.087**	F **1423.5**	F **-249090.**
Stddev	.00119	.064	.00417	2.380	8.5	1212.
%RSD	.44869	.55520	.49731	2.6421	.59609	.48636
#1	.26557	11.494	.84258	90.442	1427.6	-250050.
#2	.26555	11.475	.83866	92.270	1429.1	-249490.
#3	.26351	11.376	.83425	87.549	1413.7	-247730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.00682**	**.97352**	**.05235**	**1.2897**	**4.3379**
Stddev	.00173	.00049	.00051	.00067	.0038	.0095
%RSD	17.483	7.1730	.05266	1.2871	.29608	.21846
#1	.00828	.00631	.97349	.05265	1.2940	4.3426
#2	.01170	.00729	.97302	.05282	1.2868	4.3270
#3	.00963	.00687	.97405	.05157	1.2883	4.3441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02043**	**.62315**	**1.5311**	**.10409**
Stddev	.00208	.00165	.0088	.00026
%RSD	10.158	.26523	.57491	.25157
#1	.02275	.62439	1.5367	.10379
#2	.01874	.62378	1.5356	.10427
#3	.01982	.62128	1.5210	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090801 Acquired: 4/7/2011 0:39:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31924.**	**28844.**
Stddev	142.	242.
%RSD	.44554	.84041
#1	31872.	28616.
#2	31816.	29098.
#3	32085.	28818.

Approved: April 07, 2011

Sample Name: L1103090802 Acquired: 4/7/2011 0:43:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02221**	**173.19**	**.09666**	**.19722**	**1.9183**	**.00481**	**383.29**
Stddev	.00066	1.44	.00065	.00057	.0112	.00003	4.62
%RSD	2.9902	.83011	.67289	.28954	.58552	.56138	1.2059
#1	.02149	174.53	.09597	.19745	1.9312	.00479	388.27
#2	.02233	171.67	.09726	.19657	1.9108	.00484	382.48
#3	.02280	173.37	.09676	.19764	1.9129	.00481	379.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00752**	**.12945**	**.39803**	**1.9799**	**325.43**	**46.219**	**.24962**
Stddev	.00009	.00023	.00192	.0052	.77	.239	.00025
%RSD	1.1516	.18092	.48172	.26306	.23755	.51792	.09873
#1	.00748	.12918	.39582	1.9783	324.81	46.476	.24966
#2	.00747	.12959	.39931	1.9757	325.19	46.002	.24984
#3	.00762	.12958	.39896	1.9858	326.29	46.178	.24935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**122.52**	**5.1975**	**.02395**	**9.3135**	**.27243**	**10.299**	**.49531**
Stddev	.46	.0173	.00013	.0374	.00160	.017	.00195
%RSD	.37859	.33192	.55425	.40208	.58676	.16671	.39458
#1	122.95	5.2127	.02391	9.3460	.27179	10.292	.49360
#2	122.03	5.1787	.02384	9.2725	.27125	10.286	.49489
#3	122.59	5.2010	.02410	9.3220	.27425	10.318	.49744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090802 Acquired: 4/7/2011 0:43:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.800**	F **528.95**	F **-34610.**	**.00704**	**.00705**	**1.6025**	**.04032**
Stddev	5.717	1.01	18.	.00234	.00134	.0007	.00024
%RSD	6.8225	.19137	.05225	33.239	19.020	.04337	.58751
#1	88.824	528.23	-34610.	.00434	.00822	1.6033	.04060
#2	77.579	528.51	-34592.	.00826	.00558	1.6024	.04020
#3	84.996	530.11	-34628.	.00853	.00734	1.6019	.04017
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4421**	**3.0167**	**.01633**	**.57665**	**1.0940**	**.09655**
Stddev	.0094	.0108	.00061	.00333	.0027	.00024
%RSD	.65285	.35783	3.7663	.57794	.24318	.24870
#1	1.4515	3.0276	.01698	.57289	1.0913	.09628
#2	1.4326	3.0060	.01577	.57924	1.0940	.09673
#3	1.4422	3.0165	.01623	.57782	1.0966	.09664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31623.**	**28544.**
Stddev	88.	196.
%RSD	.27936	.68579
#1	31702.	28320.
#2	31639.	28680.
#3	31527.	28633.

Approved: April 07, 2011

Sample Name: L1103090803 Acquired: 4/7/2011 0:46:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03824**	**179.47**	**.12456**	**.21775**	**2.0110**	^ *****	**287.43**
Stddev	.00052	.95	.00154	.00151	.0039	-----	2.22
%RSD	1.3647	.53193	1.2386	.69216	.19244	-----	.77235
#1	.03810	180.00	.12433	.21825	2.0115	^ -----	287.02
#2	.03881	178.37	.12315	.21895	2.0069	^ -----	285.44
#3	.03780	180.05	.12621	.21606	2.0146	^ -----	289.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00870**	**.14756**	**.42758**	**3.5416**	**340.46**	**49.533**	**.25811**
Stddev	.00012	.00023	.00186	.0093	1.99	.126	.00165
%RSD	1.4067	.15342	.43480	.26211	.58399	.25536	.64014
#1	.00866	.14730	.42544	3.5309	340.17	49.496	.25662
#2	.00860	.14770	.42886	3.5473	342.58	49.429	.25783
#3	.00883	.14767	.42843	3.5467	338.64	49.674	.25989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.88**	**5.7078**	**.05879**	**5.6230**	**.29552**	**13.057**	**.76448**
Stddev	.37	.0053	.00006	.0149	.00035	.007	.00146
%RSD	.29646	.09328	.10785	.26512	.11767	.05082	.19094
#1	125.49	5.7044	.05876	5.6310	.29577	13.050	.76309
#2	125.89	5.7050	.05876	5.6058	.29567	13.061	.76600
#3	126.24	5.7139	.05887	5.6321	.29513	13.061	.76434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090803 Acquired: 4/7/2011 0:46:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **88.734**	F **676.13**	F **-91522.**	**.00979**	**.00768**	**1.3178**	**.03505**
Stddev	6.034	1.80	14.	.00210	.00347	.0049	.00041
%RSD	6.8002	.26693	.01566	21.409	45.168	.37102	1.1739
#1	95.395	674.07	-91508.	.01210	.00572	1.3148	.03509
#2	83.633	676.94	-91523.	.00926	.01168	1.3152	.03462
#3	87.175	677.40	-91536.	.00801	.00563	1.3235	.03544
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1033**	**5.6750**	**.02225**	**.62881**	**1.3652**	**.08455**
Stddev	.0029	.0049	.00124	.00177	.0027	.00052
%RSD	.26661	.08620	5.5651	.28198	.19696	.62087
#1	1.1060	5.6720	.02342	.62677	1.3624	.08515
#2	1.1001	5.6724	.02096	.62976	1.3677	.08434
#3	1.1038	5.6806	.02236	.62992	1.3656	.08418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31909.**	**28607.**
Stddev	38.	64.
%RSD	.11901	.22207
#1	31949.	28535.
#2	31873.	28629.
#3	31904.	28656.

Approved: April 07, 2011

Sample Name: L1103090804 Acquired: 4/7/2011 0:50:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03242**	**176.98**	**.13432**	**.20635**	**2.1046**	^ *****	**305.62**
Stddev	.00060	.30	.00127	.00133	.0040	-----	4.41
%RSD	1.8381	.17022	.94803	.64390	.18885	-----	1.4417
#1	.03235	177.03	.13316	.20566	2.1090	^ -----	305.62
#2	.03187	176.66	.13411	.20551	2.1013	^ -----	310.03
#3	.03305	177.26	.13568	.20788	2.1035	^ -----	301.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00872**	**.14070**	**.38962**	**3.9614**	**331.78**	**47.527**	**.24890**
Stddev	.00004	.00028	.00202	.0138	1.41	.031	.00193
%RSD	.51439	.20233	.51775	.34840	.42490	.06536	.77414
#1	.00877	.14065	.38729	3.9656	330.52	47.549	.25026
#2	.00870	.14100	.39072	3.9725	331.52	47.491	.24670
#3	.00868	.14044	.39085	3.9459	333.31	47.540	.24974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.30**	**5.8337**	**.06360**	**7.2250**	**.27785**	**11.693**	**.63824**
Stddev	.21	.0038	.00019	.0239	.00074	.033	.00196
%RSD	.17477	.06507	.29092	.33010	.26636	.28127	.30651
#1	120.41	5.8343	.06380	7.2029	.27838	11.688	.63653
#2	120.43	5.8296	.06344	7.2218	.27816	11.729	.64038
#3	120.06	5.8371	.06356	7.2503	.27700	11.664	.63781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090804 Acquired: 4/7/2011 0:50:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.527**	F **656.27**	F **-81966.**	**.00835**	**.01032**	**1.5659**	**.03089**
Stddev	12.153	2.31	69.	.00183	.00360	.0052	.00018
%RSD	13.575	.35244	.08399	21.899	34.869	.33085	.59760
#1	94.392	656.47	-82005.	.00959	.01447	1.5708	.03068
#2	75.695	658.48	-82006.	.00920	.00819	1.5664	.03102
#3	98.495	653.87	-81886.	.00625	.00829	1.5604	.03098
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2179**	**4.2265**	**.01861**	**.59704**	**1.2440**	**.09586**
Stddev	.0033	.0051	.00143	.00233	.0027	.00063
%RSD	.26856	.12058	7.6907	.39049	.21935	.65264
#1	1.2181	4.2308	.01700	.59448	1.2414	.09515
#2	1.2145	4.2208	.01907	.59759	1.2468	.09635
#3	1.2210	4.2278	.01975	.59905	1.2438	.09607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32028.**	**28728.**
Stddev	59.	218.
%RSD	.18342	.75810
#1	32078.	28536.
#2	31963.	28683.
#3	32042.	28964.

Approved: April 07, 2011

Sample Name: L1103090805 Acquired: 4/7/2011 0:53:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03113**	**157.85**	**.27948**	**.21881**	**2.0690**	^ *****
Stddev	.00053	1.42	.00146	.00137	.0190	-----
%RSD	1.7150	.90167	.52363	.62494	.91911	-----
#1	.03168	157.51	.27789	.21778	2.0612	^ -----
#2	.03110	156.63	.28077	.21829	2.0551	^ -----
#3	.03062	159.42	.27977	.22036	2.0906	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**281.80**	**.01034**	**.14562**	**.33287**	**9.7008**	**335.37**
Stddev	2.26	.00005	.00011	.00129	.0106	2.44
%RSD	.80140	.44164	.07707	.38633	.10895	.72899
#1	281.18	.01032	.14554	.33177	9.6906	333.93
#2	279.91	.01039	.14556	.33428	9.7001	333.99
#3	284.30	.01030	.14574	.33254	9.7117	338.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.637**	**.23252**	**108.98**	**4.7611**	**.18820**	**11.106**
Stddev	.304	.00167	.68	.0129	.00045	.050
%RSD	.66703	.71915	.62353	.26993	.23699	.45205
#1	45.487	.23282	108.72	4.7565	.18871	11.114
#2	45.437	.23071	108.48	4.7512	.18794	11.052
#3	45.988	.23402	109.76	4.7756	.18793	11.152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090805 Acquired: 4/7/2011 0:53:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25401**	**12.626**	**.82917**	F **94.311**	F **1561.4**	F **-310480.**
Stddev	.00015	.009	.00156	4.935	4.1	109.
%RSD	.05775	.07432	.18810	5.2326	.26229	.03499
#1	.25411	12.620	.83079	92.375	1557.0	-310610.
#2	.25384	12.637	.82767	90.638	1561.9	-310410.
#3	.25407	12.620	.82904	99.921	1565.2	-310440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01504**	**.02535**	**2.0435**	**.04031**	**1.0595**	**4.2244**
Stddev	.00199	.00127	.0050	.00037	.0057	.0156
%RSD	13.214	5.0041	.24274	.91862	.54071	.36924
#1	.01734	.02681	2.0467	.04023	1.0599	4.2242
#2	.01390	.02455	2.0378	.04071	1.0535	4.2089
#3	.01389	.02468	2.0461	.03998	1.0649	4.2401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01974**	**.60237**	**1.6336**	**.07422**
Stddev	.00164	.00114	.0020	.00015
%RSD	8.3091	.18914	.12384	.20436
#1	.01886	.60213	1.6315	.07440
#2	.01873	.60137	1.6355	.07413
#3	.02163	.60361	1.6339	.07413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090805 Acquired: 4/7/2011 0:53:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32350.**	**28928.**
Stddev	16.	126.
%RSD	.05025	.43433
#1	32368.	28817.
#2	32344.	29064.
#3	32337.	28902.

Approved: April 07, 2011

Sample Name: L1103090806 Acquired: 4/7/2011 0:57:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04495**	**178.74**	**.11949**	**.20704**	**2.1588**	^ *****	**402.83**
Stddev	.00057	1.16	.00133	.00073	.0083	-----	2.59
%RSD	1.2612	.64953	1.1099	.35471	.38256	-----	.64380
#1	.04431	178.52	.12075	.20682	2.1593	^ -----	400.73
#2	.04514	180.00	.11811	.20786	2.1668	^ -----	402.03
#3	.04540	177.71	.11961	.20645	2.1503	^ -----	405.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**.13439**	**.39930**	**3.6084**	**323.39**	**43.037**	**.29007**
Stddev	.00003	.00047	.00085	.0003	1.34	.183	.00193
%RSD	.36246	.34692	.21375	.00906	.41569	.42459	.66450
#1	.00833	.13420	.40011	3.6087	323.26	42.978	.29209
#2	.00827	.13405	.39938	3.6085	324.80	43.242	.28990
#3	.00832	.13492	.39840	3.6081	322.12	42.891	.28824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**133.71**	**5.7381**	**.06194**	**5.9403**	**.28465**	**12.192**	**.70723**
Stddev	.25	.0097	.00020	.0394	.00045	.003	.00058
%RSD	.18447	.16948	.32238	.66400	.15913	.02774	.08243
#1	133.43	5.7290	.06181	5.9258	.28430	12.193	.70663
#2	133.89	5.7483	.06217	5.9849	.28516	12.196	.70780
#3	133.81	5.7369	.06184	5.9101	.28448	12.189	.70727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090806 Acquired: 4/7/2011 0:57:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **88.584**	F **633.85**	F **-56243.**	**.00656**	**.00879**	**1.2646**	**.03058**
Stddev	10.388	.64	67.	.00155	.00266	.0058	.00011
%RSD	11.726	.10112	.11829	23.705	30.255	.45822	.37388
#1	97.712	633.11	-56167.	.00832	.00882	1.2660	.03061
#2	90.761	634.15	-56269.	.00539	.01144	1.2583	.03068
#3	77.281	634.28	-56292.	.00596	.00612	1.2696	.03046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9739**	**5.6483**	**.02195**	**.63421**	**1.1090**	**.13313**
Stddev	.0110	.0217	.00085	.00263	.0004	.00036
%RSD	.55586	.38340	3.8674	.41470	.03472	.27217
#1	1.9718	5.6451	.02110	.63560	1.1092	.13350
#2	1.9858	5.6714	.02280	.63585	1.1093	.13313
#3	1.9641	5.6285	.02196	.63118	1.1086	.13277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32021.**	**28336.**
Stddev	57.	87.
%RSD	.17780	.30825
#1	31966.	28295.
#2	32018.	28436.
#3	32080.	28275.

Approved: April 07, 2011

Sample Name: L1103090807 Acquired: 4/7/2011 1:00:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03078**	**200.65**	**.16933**	**.31041**	**2.9482**	**.00629**
Stddev	.00044	1.03	.00034	.00142	.0076	.00005
%RSD	1.4375	.51313	.20315	.45645	.25836	.82250
#1	.03100	200.23	.16934	.30976	2.9469	.00629
#2	.03027	201.83	.16967	.31203	2.9564	.00634
#3	.03108	199.91	.16898	.30943	2.9413	.00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**476.66**	**.01824**	**.14713**	**.38163**	**11.068**	**322.39**
Stddev	6.72	.00004	.00036	.00089	.031	2.31
%RSD	1.4107	.19749	.24727	.23445	.28399	.71745
#1	473.85	.01828	.14722	.38095	11.056	321.40
#2	484.33	.01821	.14745	.38265	11.103	325.03
#3	471.80	.01823	.14673	.38130	11.044	320.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.474**	**.31930**	**130.53**	**5.6072**	**.29311**	**23.543**
Stddev	.154	.00158	.28	.0084	.00050	.105
%RSD	.28884	.49331	.21753	.15052	.17096	.44704
#1	53.398	.31767	130.26	5.6073	.29353	23.485
#2	53.652	.32082	130.82	5.6156	.29256	23.665
#3	53.373	.31942	130.52	5.5988	.29325	23.480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090807 Acquired: 4/7/2011 1:00:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25239**	**15.777**	**1.5415**	F **85.888**	F **1446.2**	F **-228220.**
Stddev	.00014	.026	.0031	7.587	5.6	343.
%RSD	.05527	.16177	.19787	8.8337	.38851	.15048
#1	.25235	15.775	1.5416	77.192	1445.7	-228410.
#2	.25254	15.804	1.5445	89.315	1452.1	-228420.
#3	.25227	15.753	1.5384	91.157	1440.9	-227820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01390**	**.00884**	**2.1675**	**.06728**	**2.5302**	**3.2023**
Stddev	.00087	.00012	.0047	.00018	.0098	.0048
%RSD	6.2523	1.3909	.21736	.26034	.38924	.14953
#1	.01351	.00882	2.1686	.06739	2.5294	3.2005
#2	.01490	.00898	2.1716	.06708	2.5405	3.2077
#3	.01329	.00873	2.1623	.06737	2.5208	3.1987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01552**	**.55972**	**3.5530**	**.15601**
Stddev	.00081	.00199	.0021	.00089
%RSD	5.2191	.35545	.05794	.56871
#1	.01474	.55919	3.5547	.15538
#2	.01636	.55805	3.5507	.15562
#3	.01545	.56192	3.5535	.15702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090807 Acquired: 4/7/2011 1:00:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31835.**	**28099.**
Stddev	54.	103.
%RSD	.16989	.36641
#1	31775.	28013.
#2	31848.	28071.
#3	31881.	28213.

Approved: April 07, 2011

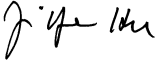
Sample Name: L1103090808 Acquired: 4/7/2011 1:04:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01781**	**196.20**	**.14934**	**.27495**	**2.5876**	**.00836**
Stddev	.00027	.97	.00200	.00191	.0060	.00002
%RSD	1.5439	.49612	1.3363	.69374	.23260	.28162
#1	.01786	196.80	.14777	.27277	2.5912	.00833
#2	.01806	196.71	.14866	.27630	2.5910	.00838
#3	.01751	195.07	.15159	.27579	2.5807	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**455.13**	**.01663**	**.12667**	**.35749**	**6.5480**	**295.36**
Stddev	3.88	.00016	.00114	.00266	.0552	2.75
%RSD	.85226	.93566	.89789	.74513	.84340	.93129
#1	458.27	.01648	.12560	.35442	6.4886	292.81
#2	456.32	.01663	.12654	.35885	6.5574	298.27
#3	450.79	.01679	.12787	.35920	6.5979	294.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.093**	**.29399**	**119.97**	**5.5594**	**.08813**	**28.592**
Stddev	.199	.00084	.27	.0105	.00040	.107
%RSD	.33652	.28441	.22710	.18837	.45647	.37445
#1	59.282	.29475	120.24	5.5715	.08856	28.683
#2	59.112	.29412	119.98	5.5531	.08806	28.620
#3	58.886	.29309	119.70	5.5535	.08777	28.474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090808 Acquired: 4/7/2011 1:04:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25839**	**15.754**	**2.6741**	F **100.13**	F **1167.8**	F **-167330.**
Stddev	.00160	.088	.0107	8.80	11.5	541.
%RSD	.61760	.55826	.40208	8.7872	.98593	.32343
#1	.25668	15.663	2.6622	103.38	1155.8	-166810.
#2	.25867	15.759	2.6771	90.168	1168.9	-167300.
#3	.25983	15.839	2.6831	106.84	1178.8	-167890.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02238**	**.00768**	**3.4297**	**.07712**	**1.8741**	**1.9728**
Stddev	.00128	.00293	.0187	.00001	.0069	.0051
%RSD	5.7384	38.127	.54401	.01081	.36701	.25830
#1	.02368	.00591	3.4103	.07713	1.8804	1.9775
#2	.02112	.00607	3.4313	.07712	1.8750	1.9734
#3	.02234	.01106	3.4476	.07712	1.8668	1.9674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01334**	**.48685**	**2.7309**	**.13802**
Stddev	.00078	.00335	.0089	.00071
%RSD	5.8303	.68833	.32436	.51661
#1	.01339	.48409	2.7214	.13742
#2	.01410	.48587	2.7326	.13783
#3	.01254	.49058	2.7389	.13881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090808 Acquired: 4/7/2011 1:04:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31914.**	**28793.**
Stddev	133.	340.
%RSD	.41518	1.1824
#1	32065.	28460.
#2	31856.	28777.
#3	31820.	29140.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:08:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42111**	**10.014**	**.41891**	**.52543**	**1.0050**	**.05129**	**9.9968**
Stddev	.00361	.081	.00147	.00268	.0014	.00031	.0458
%RSD	.85683	.81060	.35139	.51013	.14105	.59919	.45851
#1	.42402	9.9394	.41832	.52520	1.0047	.05136	9.9565
#2	.42223	10.100	.42058	.52822	1.0066	.05156	10.047
#3	.41707	10.002	.41782	.52287	1.0038	.05096	9.9871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05295**	**.21317**	**.52327**	**.53314**	**4.0809**	**50.927**	**1.0162**
Stddev	.00028	.00087	.00152	.00381	.0150	.156	.0038
%RSD	.52016	.40853	.28970	.71482	.36756	.30680	.36985
#1	.05309	.21328	.52272	.53337	4.0679	50.889	1.0181
#2	.05312	.21398	.52499	.53683	4.0974	51.099	1.0185
#3	.05263	.21225	.52211	.52921	4.0775	50.793	1.0118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.373**	**.51873**	**1.0055**	**49.873**	**.52556**	F **-.00201**	**.53706**
Stddev	.029	.00122	.0005	.214	.00116	.00290	.00265
%RSD	.27621	.23493	.04999	.42830	.21989	144.85	.49324
#1	10.368	.51975	1.0050	49.777	.52513	-.00137	.53877
#2	10.403	.51907	1.0055	50.118	.52687	-.00517	.53839
#3	10.346	.51738	1.0060	49.725	.52468	.00053	.53401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:08:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.9582**	**10.867**	F **-3.8670**	**1.2990**	**.42220**	F **.01526**	**1.0677**
Stddev	1.0632	.081	2.3638	.0068	.00322	.00053	.0027
%RSD	21.444	.74386	61.127	.52428	.76377	3.4532	.25509
#1	3.7310	10.896	-6.5534	1.2961	.41849	.01477	1.0680
#2	5.5398	10.928	-2.1057	1.3067	.42375	.01582	1.0703
#3	5.6037	10.775	-2.9419	1.2941	.42435	.01520	1.0649
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0071**	**1.0315**	**.54116**	**1.0392**	**1.0359**	F **.00081**
Stddev	.0039	.0022	.00240	.0060	.0031	.00004
%RSD	.38416	.21401	.44383	.57778	.29927	4.8226
#1	1.0060	1.0325	.54038	1.0414	1.0374	.00077
#2	1.0114	1.0330	.54385	1.0438	1.0379	.00081
#3	1.0039	1.0290	.53924	1.0324	1.0323	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32578.**	**26375.**
Stddev	96.	47.
%RSD	.29497	.17813
#1	32601.	26428.
#2	32473.	26339.
#3	32661.	26358.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 1:11:43 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.02855**	**.00009**	**-.00226**	**-.00054**	**.00004**	**.00240**
Stddev	.00018	.02218	.00075	.00065	.00019	.00001	.00686
%RSD	29.956	77.711	793.30	28.807	34.474	24.178	286.30
#1	.00041	-.02664	.00078	-.00191	-.00036	.00004	-.00508
#2	.00077	-.00738	-.00070	-.00186	-.00054	.00003	.00387
#3	.00062	-.05162	.00021	-.00302	-.00073	.00004	.00841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00020**	**-.00014**	**-.00051**	**.00124**	**.16636**	**-.00070**
Stddev	.00002	.00017	.00010	.00025	.00193	.01585	.00169
%RSD	41.828	84.077	71.093	48.473	155.64	9.5300	242.13
#1	.00004	-.00022	-.00004	-.00024	.00132	.15785	.00062
#2	.00008	-.00002	-.00025	-.00057	-.00073	.15658	-.00260
#3	.00005	-.00035	-.00014	-.00073	.00313	.18465	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**.00040**	**.00004**	**.01241**	**.00001**	**-.00215**	**-.00119**
Stddev	.00518	.00024	.00006	.00821	.00009	.00426	.00142
%RSD	44.477	60.939	166.13	66.177	995.37	197.71	119.84
#1	.01268	.00034	.00002	.01800	-.00009	.00240	-.00258
#2	.01623	.00066	-.00001	.00298	.00003	-.00283	-.00125
#3	.00603	.00019	.00011	.01624	.00009	-.00603	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 1:11:43 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2920**	F **.12330**	F **-32.423**	**-.00017**	**.00146**	**.00172**	**.00005**
Stddev	8.5653	.04941	2.569	.00055	.00185	.00132	.00005
%RSD	662.96	40.077	7.9244	318.95	126.32	77.058	110.03
#1	-1.8051	.07781	-29.626	.00040	.00100	.00322	.00006
#2	-5.2940	.11622	-32.964	-.00070	-.00011	.00121	.00009
#3	10.975	.17587	-34.679	-.00022	.00350	.00072	-.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00034**	**-.00026**	**-.00023**	**.00105**	**.00004**
Stddev	.00004	.00086	.00105	.00030	.00007	.00016
%RSD	125.60	256.94	403.59	134.55	6.3631	427.27
#1	-.00003	-.00061	.00036	.00008	.00103	-.00015
#2	.00001	.00054	-.00147	-.00053	.00100	.00015
#3	-.00007	.00108	.00033	-.00023	.00113	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32807.**	**25598.**
Stddev	15.	95.
%RSD	.04571	.37265
#1	32810.	25672.
#2	32791.	25490.
#3	32820.	25631.

Approved: April 07, 2011

Sample Name: L1103090809 Acquired: 4/7/2011 1:15:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03349**	**211.36**	**.13668**	**.28752**	**2.7329**	**.00460**
Stddev	.00063	1.09	.00047	.00311	.0015	.00005
%RSD	1.8818	.51635	.34048	1.0808	.05680	1.1282
#1	.03411	210.37	.13695	.28401	2.7321	.00466
#2	.03351	212.53	.13615	.28992	2.7319	.00456
#3	.03285	211.17	.13696	.28864	2.7347	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**506.84**	**.01060**	**.13632**	**.36224**	**7.1372**	**311.16**
Stddev	4.02	.00005	.00017	.00114	.0110	3.93
%RSD	.79265	.43428	.12621	.31591	.15403	1.2632
#1	503.07	.01061	.13624	.36110	7.1437	306.64
#2	511.07	.01055	.13652	.36339	7.1434	313.76
#3	506.40	.01064	.13621	.36224	7.1245	313.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.689**	**.34780**	**136.45**	**5.4965**	**.10612**	**23.375**
Stddev	.162	.00051	.65	.0188	.00008	.116
%RSD	.30084	.14604	.47386	.34135	.07854	.49432
#1	53.509	.34733	135.71	5.4775	.10609	23.286
#2	53.821	.34834	136.92	5.5150	.10606	23.506
#3	53.738	.34773	136.71	5.4968	.10622	23.334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090809 Acquired: 4/7/2011 1:15:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24882**	**16.992**	**.82769**	F **93.840**	F **1053.1**	F **-124960.**
Stddev	.00078	.039	.00283	7.468	1.8	190.
%RSD	.31454	.22907	.34237	7.9581	.17149	.15210
#1	.24929	17.035	.82719	95.756	1053.7	-125050.
#2	.24792	16.983	.82514	85.600	1054.5	-125080.
#3	.24926	16.958	.83074	100.16	1051.0	-124740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00789**	**.01228**	**1.6247**	**.05071**	**2.3214**	**4.0352**
Stddev	.00146	.00148	.0054	.00015	.0084	.0095
%RSD	18.505	12.088	.33159	.29013	.36304	.23670
#1	.00683	.01251	1.6244	.05066	2.3152	4.0251
#2	.00729	.01363	1.6302	.05060	2.3310	4.0441
#3	.00956	.01069	1.6195	.05088	2.3180	4.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01703**	**.55726**	**2.2856**	**.12913**
Stddev	.00120	.00115	.0035	.00112
%RSD	7.0228	.20711	.15336	.86680
#1	.01794	.55668	2.2870	.12799
#2	.01748	.55651	2.2816	.13022
#3	.01568	.55859	2.2882	.12918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090809 Acquired: 4/7/2011 1:15:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31212.**	**28301.**
Stddev	44.	92.
%RSD	.14209	.32471
#1	31179.	28354.
#2	31263.	28195.
#3	31196.	28354.

Approved: April 07, 2011

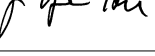
Sample Name: L1103090810 Acquired: 4/7/2011 1:19:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02826**	**220.23**	**.18944**	**.29528**	**2.4185**	**.00528**	**380.38**
Stddev	.00061	.69	.00228	.00102	.0044	.00003	2.73
%RSD	2.1686	.31340	1.2044	.34438	.18210	.59528	.71761
#1	.02882	220.07	.19170	.29611	2.4200	.00528	382.74
#2	.02835	219.63	.18947	.29557	2.4136	.00531	377.39
#3	.02761	220.98	.18714	.29414	2.4220	.00525	381.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01302**	**.12596**	**.36286**	**5.0609**	**324.58**	**62.053**	**.30443**
Stddev	.00013	.00065	.00239	.0310	2.61	.275	.00167
%RSD	.97989	.51323	.65781	.61200	.80288	.44285	.55011
#1	.01303	.12628	.36425	5.0761	324.18	62.043	.30322
#2	.01290	.12639	.36423	5.0814	322.19	61.783	.30634
#3	.01315	.12522	.36011	5.0253	327.36	62.332	.30372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.44**	**5.4377**	**.02634**	**23.671**	**.26138**	**13.253**	**1.0652**
Stddev	.44	.0124	.00003	.039	.00128	.054	.0048
%RSD	.34253	.22804	.10372	.16501	.48792	.40891	.44852
#1	127.18	5.4306	.02633	23.674	.26196	13.284	1.0677
#2	127.20	5.4305	.02637	23.630	.26227	13.284	1.0683
#3	127.95	5.4520	.02632	23.708	.25992	13.190	1.0597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103090810 Acquired: 4/7/2011 1:19:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.917**	F **719.66**	F **-79462.**	**.01129**	**.00716**	**2.5743**	**.04097**
Stddev	5.350	5.39	241.	.00086	.00173	.0119	.00010
%RSD	5.9501	.74862	.30345	7.6315	24.129	.46119	.23912
#1	95.951	722.53	-79681.	.01200	.00909	2.5819	.04103
#2	85.752	723.00	-79501.	.01153	.00663	2.5804	.04086
#3	88.049	713.45	-79204.	.01033	.00576	2.5606	.04103
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6788**	**3.8105**	**.01748**	**.54525**	**2.2363**	**.17310**
Stddev	.0031	.0034	.00044	.00326	.0065	.00135
%RSD	.18560	.09040	2.5144	.59842	.29118	.78096
#1	1.6796	3.8097	.01710	.54782	2.2381	.17415
#2	1.6753	3.8074	.01796	.54634	2.2418	.17358
#3	1.6814	3.8142	.01739	.54158	2.2291	.17158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31750.**	**28307.**
Stddev	206.	177.
%RSD	.64789	.62573
#1	31629.	28187.
#2	31634.	28511.
#3	31988.	28224.

Approved: April 07, 2011

Sample Name: L1103090814 Acquired: 4/7/2011 1:22:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01930**	**236.50**	**.10008**	**.28811**	**2.8253**	**.00862**
Stddev	.00089	1.12	.00300	.00160	.0136	.00007
%RSD	4.6001	.47454	2.9950	.55661	.48253	.79657
#1	.01990	236.36	.10221	.28638	2.8244	.00854
#2	.01972	237.69	.10138	.28839	2.8394	.00865
#3	.01828	235.46	.09665	.28955	2.8122	.00867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**837.58**	**.00632**	**.12135**	**.35852**	**7.4127**	**321.03**
Stddev	6.47	.00006	.00017	.00193	.0068	2.66
%RSD	.77242	.87288	.14284	.53932	.09156	.82794
#1	833.13	.00637	.12131	.35683	7.4049	318.24
#2	834.60	.00626	.12120	.35811	7.4165	321.32
#3	845.00	.00634	.12154	.36063	7.4168	323.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.018**	**.33616**	**133.59**	**5.5189**	**.03531**	**10.792**
Stddev	.218	.00086	.45	.0052	.00039	.024
%RSD	.38848	.25725	.33869	.09382	1.1151	.22062
#1	55.979	.33706	133.53	5.5228	.03577	10.799
#2	56.253	.33609	134.07	5.5209	.03509	10.812
#3	55.823	.33533	133.18	5.5130	.03509	10.766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090814 Acquired: 4/7/2011 1:22:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25172**	**8.7646**	**.33672**	F **93.113**	F **1819.2**	F **-221980.**
Stddev	.00082	.0079	.00170	5.678	3.3	55.
%RSD	.32604	.09037	.50422	6.0974	.18027	.02465
#1	.25245	8.7567	.33516	90.722	1815.9	-221980.
#2	.25188	8.7725	.33853	89.022	1819.4	-221930.
#3	.25084	8.7645	.33648	99.595	1822.4	-222040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00651**	**.01594**	**1.3650**	**.02809**	**2.6541**	**2.7234**
Stddev	.00262	.00073	.0012	.00020	.0052	.0049
%RSD	40.277	4.6003	.08446	.72204	.19625	.17873
#1	.00946	.01511	1.3642	.02820	2.6564	2.7242
#2	.00560	.01620	1.3663	.02785	2.6579	2.7277
#3	.00446	.01650	1.3644	.02821	2.6482	2.7181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01450**	**.56141**	**.92371**	**.11313**
Stddev	.00246	.00148	.00120	.00035
%RSD	16.977	.26355	.13025	.30868
#1	.01486	.56132	.92236	.11275
#2	.01676	.55998	.92411	.11343
#3	.01187	.56293	.92467	.11321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090814 Acquired: 4/7/2011 1:22:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30894.**	**27738.**
Stddev	40.	171.
%RSD	.12834	.61558
#1	30937.	27633.
#2	30887.	27645.
#3	30858.	27935.

Approved: April 07, 2011

Sample Name: L1103090815 Acquired: 4/7/2011 1:26:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02156**	**259.11**	**.10360**	**.25334**	**2.3905**	**.00767**	**771.92**
Stddev	.00113	.59	.00113	.00348	.0029	.00001	7.73
%RSD	5.2207	.22924	1.0913	1.3739	.11924	.09049	1.0009
#1	.02077	259.54	.10434	.25736	2.3900	.00768	780.52
#2	.02284	258.44	.10416	.25121	2.3936	.00766	765.57
#3	.02106	259.36	.10229	.25145	2.3880	.00767	769.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00623**	**.12582**	**.35670**	**1.1430**	**320.31**	**56.377**	**.34488**
Stddev	.00005	.00041	.00023	.0058	5.08	.064	.00037
%RSD	.81470	.32734	.06483	.50502	1.5873	.11390	.10828
#1	.00623	.12613	.35684	1.1466	325.91	56.382	.34445
#2	.00628	.12535	.35643	1.1363	315.99	56.310	.34504
#3	.00618	.12598	.35682	1.1460	319.03	56.438	.34514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**136.90**	**4.6323**	**.01782**	**7.8444**	**.25427**	**9.4313**	**.24969**
Stddev	.25	.0081	.00013	.0162	.00042	.0310	.00056
%RSD	.17930	.17435	.70991	.20648	.16706	.32824	.22578
#1	137.01	4.6395	.01787	7.8517	.25382	9.4600	.24924
#2	136.62	4.6235	.01792	7.8259	.25433	9.3985	.24950
#3	137.06	4.6339	.01768	7.8557	.25466	9.4353	.25032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090815 Acquired: 4/7/2011 1:26:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **90.155**	F **930.58**	F **-28651.**	**.00525**	**.00193**	**1.8239**	**.02308**
Stddev	10.405	4.32	29.	.00097	.00114	.0077	.00020
%RSD	11.541	.46381	.09969	18.466	58.817	.42461	.86795
#1	89.364	934.63	-28671.	.00635	.00087	1.8297	.02324
#2	100.93	926.04	-28618.	.00490	.00179	1.8151	.02315
#3	80.168	931.08	-28664.	.00451	.00313	1.8268	.02286
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1256**	**3.3369**	**.01716**	**.58013**	**1.1052**	**.13537**
Stddev	.0039	.0027	.00116	.00156	.0034	.00093
%RSD	.18491	.08053	6.7495	.26973	.30672	.68992
#1	2.1266	3.3344	.01848	.58189	1.1082	.13638
#2	2.1212	3.3366	.01665	.57959	1.1016	.13520
#3	2.1289	3.3397	.01634	.57891	1.1059	.13453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30974.**	**27862.**
Stddev	145.	239.
%RSD	.46724	.85907
#1	30809.	27594.
#2	31083.	28055.
#3	31028.	27937.

Approved: April 07, 2011

Sample Name: L1103090816 Acquired: 4/7/2011 1:29:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02418**	**259.46**	**.10625**	**.25149**	**2.6436**	**.00697**	F **910.83**
Stddev	.00024	.48	.00142	.00250	.0027	.00003	6.66
%RSD	1.0009	.18514	1.3387	.99561	.10115	.42759	.73144
#1	.02428	259.07	.10687	.25293	2.6412	.00701	903.22
#2	.02435	259.30	.10725	.24860	2.6432	.00696	913.65
#3	.02390	259.99	.10462	.25293	2.6465	.00696	915.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00663**	**.12905**	**.42773**	**.87921**	**302.49**	**51.986**	**.36421**
Stddev	.00010	.00013	.00115	.00087	3.31	.044	.00248
%RSD	1.5664	.10112	.26854	.09918	1.0948	.08518	.68064
#1	.00653	.12890	.42846	.87890	304.53	51.947	.36136
#2	.00674	.12909	.42832	.87853	298.67	51.977	.36549
#3	.00661	.12915	.42641	.88019	304.27	52.034	.36579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**138.32**	**4.9968**	**.01778**	**11.227**	**.28830**	**9.5595**	**.28662**
Stddev	.30	.0074	.00034	.008	.00016	.0144	.00110
%RSD	.21645	.14846	1.8906	.07353	.05616	.15044	.38519
#1	137.98	4.9908	.01747	11.235	.28848	9.5455	.28634
#2	138.45	4.9945	.01814	11.218	.28826	9.5588	.28784
#3	138.54	5.0051	.01772	11.228	.28817	9.5742	.28568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090816 Acquired: 4/7/2011 1:29:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.056**	F **1194.3**	F **-41421.**	**.00709**	**.00346**	**1.3356**	**.03154**
Stddev	9.757	1.6	81.	.00125	.00204	.0020	.00021
%RSD	10.485	.13418	.19448	17.621	59.027	.15227	.67453
#1	103.90	1193.5	-41347.	.00696	.00489	1.3374	.03163
#2	84.984	1193.2	-41409.	.00592	.00437	1.3334	.03129
#3	90.286	1196.1	-41507.	.00840	.00112	1.3360	.03169
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4219**	**3.7550**	**.01584**	**.57166**	**1.2266**	**.13693**
Stddev	.0021	.0036	.00129	.00158	.0011	.00030
%RSD	.08750	.09543	8.1194	.27711	.08898	.22095
#1	2.4216	3.7524	.01457	.57112	1.2259	.13672
#2	2.4200	3.7535	.01580	.57042	1.2261	.13728
#3	2.4242	3.7591	.01715	.57345	1.2279	.13680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30864.**	**28363.**
Stddev	26.	77.
%RSD	.08509	.27276
#1	30840.	28318.
#2	30892.	28320.
#3	30860.	28453.

Approved: April 07, 2011

Sample Name: L1103090817 Acquired: 4/7/2011 1:33:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02108**	**186.04**	**.10687**	**.19915**	**1.6987**	**.00506**	**330.35**
Stddev	.00012	.61	.00081	.00219	.0022	.00001	4.21
%RSD	.56953	.32800	.75627	1.0981	.13232	.24664	1.2731
#1	.02095	186.08	.10766	.19698	1.7001	.00506	326.29
#2	.02119	186.63	.10689	.20135	1.6999	.00504	330.09
#3	.02109	185.41	.10604	.19912	1.6961	.00507	334.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00801**	**.11069**	**.31990**	**4.1413**	**286.84**	**44.233**	**.23466**
Stddev	.00013	.00012	.00106	.0048	4.50	.048	.00086
%RSD	1.6776	.10721	.33002	.11639	1.5686	.10771	.36668
#1	.00804	.11074	.32034	4.1459	281.70	44.209	.23367
#2	.00813	.11056	.32067	4.1363	290.03	44.288	.23518
#3	.00787	.11078	.31870	4.1417	288.81	44.202	.23514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**95.048**	**4.3117**	**.03718**	**3.7217**	**.21804**	**8.1287**	**.74873**
Stddev	.191	.0025	.00028	.0019	.00051	.0142	.00045
%RSD	.20091	.05847	.74790	.05142	.23616	.17424	.05968
#1	94.839	4.3093	.03715	3.7198	.21787	8.1450	.74903
#2	95.093	4.3144	.03748	3.7237	.21862	8.1200	.74822
#3	95.213	4.3115	.03693	3.7215	.21764	8.1211	.74895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090817 Acquired: 4/7/2011 1:33:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.894**	F **454.41**	F **-27906.**	**.00981**	**.00374**	**2.8472**	**.02870**
Stddev	1.288	.57	50.	.00134	.00102	.0012	.00038
%RSD	1.4657	.12649	.17983	13.655	27.346	.04349	1.3200
#1	87.602	455.05	-27955.	.00881	.00466	2.8486	.02871
#2	89.303	453.94	-27908.	.01133	.00391	2.8469	.02907
#3	86.777	454.25	-27855.	.00929	.00264	2.8461	.02831
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0451**	**3.0240**	**.01441**	**.47335**	**1.4777**	**.11033**
Stddev	.0024	.0039	.00116	.00176	.0003	.00035
%RSD	.22572	.13040	8.0661	.37123	.01799	.31642
#1	1.0458	3.0207	.01406	.47312	1.4774	.11071
#2	1.0470	3.0283	.01345	.47171	1.4778	.11025
#3	1.0424	3.0228	.01570	.47520	1.4779	.11003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31763.**	**28376.**
Stddev	60.	40.
%RSD	.18941	.14197
#1	31696.	28398.
#2	31780.	28401.
#3	31812.	28330.

Approved: April 07, 2011

Sample Name: L1103090818 Acquired: 4/7/2011 1:37:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01645**	**196.22**	**.09388**	**.18632**	**1.9895**	**.00675**	**329.18**
Stddev	.00067	.56	.00070	.00218	.0073	.00004	.78
%RSD	4.0875	.28699	.74355	1.1677	.36565	.59136	.23798
#1	.01567	196.44	.09334	.18863	1.9830	.00673	330.07
#2	.01679	196.64	.09467	.18604	1.9883	.00672	328.88
#3	.01688	195.58	.09363	.18430	1.9974	.00679	328.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	**.10694**	**.31915**	**1.7962**	**290.92**	**43.522**	**.24005**
Stddev	.00009	.00015	.00033	.0059	2.70	.010	.00044
%RSD	1.4671	.13945	.10198	.32670	.92804	.02218	.18130
#1	.00586	.10677	.31884	1.7954	293.50	43.530	.24032
#2	.00603	.10700	.31912	1.7909	291.15	43.511	.24029
#3	.00591	.10704	.31949	1.8025	288.11	43.524	.23955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.788**	**4.3624**	**.02126**	**4.1521**	**.22453**	**7.3770**	**.40274**
Stddev	.082	.0071	.00033	.0203	.00045	.0076	.00139
%RSD	.08453	.16287	1.5628	.48805	.20183	.10284	.34509
#1	96.705	4.3632	.02095	4.1653	.22422	7.3754	.40270
#2	96.868	4.3691	.02161	4.1623	.22432	7.3704	.40137
#3	96.792	4.3550	.02120	4.1288	.22505	7.3853	.40415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090818 Acquired: 4/7/2011 1:37:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.407**	F **416.55**	F **-18490.**	**.00617**	**.00450**	**3.5645**	**.02297**
Stddev	1.863	1.17	40.	.00052	.00051	.0072	.00052
%RSD	2.1815	.28127	.21836	8.4807	11.448	.20155	2.2716
#1	87.226	416.32	-18444.	.00670	.00391	3.5592	.02354
#2	85.492	415.50	-18510.	.00615	.00472	3.5616	.02252
#3	83.502	417.81	-18516.	.00565	.00487	3.5727	.02285
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1048**	**2.5206**	**.01478**	**.49822**	**.88896**	**.11008**
Stddev	.0038	.0014	.00144	.00244	.00214	.00022
%RSD	.34558	.05336	9.7725	.48897	.24038	.20035
#1	1.1070	2.5194	.01318	.49662	.88785	.10984
#2	1.1071	2.5203	.01599	.49703	.88760	.11015
#3	1.1004	2.5220	.01516	.50103	.89142	.11026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31952.**	**28840.**
Stddev	84.	236.
%RSD	.26256	.81725
#1	31940.	28656.
#2	32041.	28758.
#3	31875.	29106.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:40:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42601**	**9.8746**	**.42092**	**.52538**	**.99288**	**.05167**	**9.8923**
Stddev	.00356	.0745	.00021	.00190	.00328	.00018	.0414
%RSD	.83595	.75484	.05101	.36159	.33063	.34970	.41806
#1	.42739	9.8694	.42069	.52512	.99089	.05171	9.8937
#2	.42867	9.8029	.42095	.52740	.99107	.05183	9.8503
#3	.42197	9.9517	.42111	.52363	.99666	.05148	9.9330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05336**	**.21504**	**.52361**	**.53691**	**4.0405**	**50.290**	**1.0052**
Stddev	.00008	.00032	.00059	.00139	.0037	.205	.0028
%RSD	.14441	.14871	.11285	.25800	.09074	.40856	.27616
#1	.05342	.21505	.52407	.53767	4.0364	50.177	1.0038
#2	.05339	.21535	.52381	.53775	4.0417	50.165	1.0033
#3	.05328	.21472	.52294	.53531	4.0434	50.527	1.0084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.230**	**.51155**	**1.0019**	**49.298**	**.52719**	F **-.00225**	**.54132**
Stddev	.072	.00068	.0018	.225	.00083	.00045	.00222
%RSD	.69964	.13356	.18179	.45712	.15679	20.194	.41029
#1	10.235	.51109	1.0029	49.258	.52812	-.00251	.54368
#2	10.157	.51124	1.0029	49.095	.52691	-.00252	.53927
#3	10.300	.51234	.99975	49.540	.52654	-.00173	.54100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:40:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.9780**	**10.862**	**10.636**	**1.3039**	**.42193**	F **.01534**	**1.0679**
Stddev	4.1671	.032	1.781	.0059	.00134	.00032	.0027
%RSD	52.232	.29399	16.745	.45483	.31817	2.1183	.25538
#1	12.547	10.889	9.3008	1.3076	.42245	.01497	1.0696
#2	4.3858	10.826	12.658	1.2971	.42041	.01547	1.0693
#3	7.0016	10.869	9.9482	1.3070	.42294	.01558	1.0647
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000					5.0000	
Range	-10.000%					-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99591**	**1.0192**	**.54294**	**1.0427**	**1.0361**	F **.00082**
Stddev	.00366	.0036	.00238	.0040	.0023	.00007
%RSD	.36787	.34816	.43748	.38773	.22049	8.8873
#1	.99478	1.0172	.54545	1.0441	1.0376	.00076
#2	.99294	1.0172	.54073	1.0459	1.0372	.00079
#3	1.0000	1.0233	.54262	1.0382	1.0335	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32588.**	**26849.**
Stddev	64.	207.
%RSD	.19756	.77201
#1	32625.	27009.
#2	32514.	26922.
#3	32626.	26614.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 1:44:11 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.02629**	**-.00057**	**-.00207**	**-.00021**	**.00001**	**.00405**
Stddev	.00038	.01170	.00104	.00012	.00020	.00000	.00296
%RSD	391.78	44.506	184.49	5.7089	94.471	30.789	72.923
#1	.00033	-.01927	-.00170	-.00205	-.00039	.00001	.00264
#2	-.00041	-.03980	-.00035	-.00197	-.00023	.00001	.00207
#3	-.00022	-.01980	.00035	-.00220	.00000	.00001	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00005**	**-.00010**	**-.00021**	**.00162**	**.16099**	**.00198**
Stddev	.00003	.00014	.00014	.00014	.00131	.01129	.00191
%RSD	115.07	312.54	144.58	67.182	80.863	7.0111	96.836
#1	-.00002	.00014	-.00024	-.00037	.00040	.17068	.00414
#2	-.00006	.00012	-.00011	-.00012	.00145	.14860	.00129
#3	.00000	-.00012	.00005	-.00014	.00300	.16369	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00805**	**.00048**	**-.00005**	**.02403**	**-.00017**	**-.00416**	**-.00179**
Stddev	.01196	.00016	.00008	.00571	.00049	.00250	.00034
%RSD	148.71	32.759	161.31	23.758	286.66	60.034	18.944
#1	-.00085	.00066	-.00014	.03058	-.00070	-.00685	-.00202
#2	.00334	.00035	.00002	.02137	-.00009	-.00191	-.00140
#3	.02165	.00044	-.00003	.02013	.00027	-.00372	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 1:44:11 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.112**	F **.13364**	F **-21.459**	**-.00016**	**-.00025**	**.00105**	**.00019**
Stddev	12.148	.02020	4.281	.00112	.00150	.00062	.00029
%RSD	86.087	15.117	19.947	707.61	595.56	58.726	154.90
#1	22.817	.15557	-18.012	.00099	-.00056	.00116	.00006
#2	19.285	.12956	-26.251	-.00021	.00138	.00160	-.00001
#3	.23304	.11578	-20.115	-.00126	-.00157	.00038	.00052
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00011**	**-.00071**	**.00002**	**.00103**	**-.00006**
Stddev	.00005	.00056	.00094	.00021	.00000	.00003
%RSD	67.996	528.81	131.25	1255.8	.35712	54.063
#1	-.00002	.00071	.00036	.00000	.00103	-.00006
#2	-.00007	-.00040	-.00113	-.00018	.00103	-.00010
#3	-.00012	.00001	-.00137	.00024	.00102	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33195.**	**26447.**
Stddev	63.	500.
%RSD	.19102	1.8920
#1	33156.	26927.
#2	33160.	26485.
#3	33268.	25928.

Approved: April 07, 2011

2.1.2 Metals ICP-MS Data

2.1.2.1 Summary Data

Login Number: L11040179

Department: Metals

Analyst: Erin Long

METHOD

Preparation: SW-846 30513051A

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360998 - All acceptance criteria were met.All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: WG360998 - Due to the high levels of nontarget analytes, client samples 01 through 04 were analyzed initially at dilutions for all analytes.All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 25155
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040179

04/08/11 12:35

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4411-SS-7.5-SW-11	L11040179-01	6020	5	06-APR-11
SWMU-57-4411-SS-15-FC-NUM9	L11040179-02	6020	5	06-APR-11
SWMU-57-4411-SS-15-FC-NUM10	L11040179-03	6020	5	06-APR-11
SWMU-57-4511-SS-7.5-SW-12	L11040179-04	6020	5	06-APR-11

Microbac Laboratories Inc.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	**L11040179-01**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-4411-SS-7.5-SW-11**	Prep Method:	**3051A**	Prep Date:	**04/06/2011 13:34**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**04/06/2011 16:17**
Workgroup Number:	**WG360998**	Analyst:	**EDL**	Run Date:	**04/06/2011 21:16**
Collect Date:	**04/04/2011 08:00**	Dilution:	**5**	File ID:	**EL.040611.211621**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**75.2**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**		**U**	**0.656**	**0.328**
Chromium, Total	**7440-47-3**	**29.6**		**2.62**	**1.31**

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-02	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4411-SS-15-FC-NUM	Prep Method:	3051A	Prep Date:	04/06/2011 13:34
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/06/2011 16:17
Workgroup Number:	WG360998	Analyst:	EDL	Run Date:	04/06/2011 21:23
Collect Date:	04/04/2011 14:00	Dilution:	5	File ID:	EL.040611.212330
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	78.3

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.635	0.318
Chromium, Total	7440-47-3	27.7		2.54	1.27

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-03	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4411-SS-15-FC-NUM	Prep Method:	3051A	Prep Date:	04/06/2011 13:34
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/06/2011 16:17
Workgroup Number:	WG360998	Analyst:	EDL	Run Date:	04/06/2011 21:30
Collect Date:	04/04/2011 15:00	Dilution:	5	File ID:	EL.040611.213039
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	80.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.624	0.312
Chromium, Total	7440-47-3	27.1		2.49	1.25

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040179**
Report Date : **April 8, 2011**

Sample Number:	L11040179-04	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4511-SS-7.5-SW-12	Prep Method:	3051A	Prep Date:	04/06/2011 13:34
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/06/2011 16:17
Workgroup Number:	WG360998	Analyst:	EDL	Run Date:	04/06/2011 21:37
Collect Date:	04/05/2011 13:30	Dilution:	5	File ID:	EL.040611.213748
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	79.6

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.628	0.314
Chromium, Total	7440-47-3	18.4		2.51	1.26

U Analyte was not detected. The concentration is below the reported LOD.

2.1.2.2 QC Summary Data

Example 6020 Calculations
Perkin Elmer ELAN 6100

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	100
Vi = Initial volume	40
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/L)	0.25

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	200
Vi = Initial volume	0.5
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/kg)	40

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	40
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	50

50 ug/kg = 0.050 mg/kg

Perkin Elmer ELAN ICP/MS

STANDARDS KEY

QC Std 1 - ICV
QC Std 2 - ICB
QC Std 3 - LLICV
QC Std 4 - ICSA
QC Std 5 - ICSAB
QC Std 6 - CCV
QC Std 7 - CCB
QC Std 8 - LLCCV

Calibration Solutions

Analyte	Stock Conc. (mg/L)	S1 (mg/L)	S2 (mg/L)	S3 (mg/L)	S4 (mg/L)
Al	10	0	0.0004	0.05	0.1
Sb	10	0	0.0004	0.05	0.1
As	10	0	0.0004	0.05	0.1
Ba	10	0	0.0004	0.05	0.1
Be	10	0	0.0004	0.05	0.1
Ca	1000	0	0.04	5	10
Cd	10	0	0.0004	0.05	0.1
Cr	10	0	0.0004	0.05	0.1
Co	10	0	0.0004	0.05	0.1
Cu	10	0	0.0004	0.05	0.1
Fe	1000	0	0.04	5	10
Pb	10	0	0.0004	0.05	0.1
Mg	1000	0	0.04	5	10
Mn	10	0	0.0004	0.05	0.1
Ni	10	0	0.0004	0.05	0.1
K	1000	0	0.04	5	10
Se	10	0	0.0004	0.05	0.1
Ag	10	0	0.0004	0.05	0.1
Na	1000	0	0.04	5	10
Tl	10	0	0.0004	0.05	0.1
V	10	0	0.0004	0.05	0.1
U	1000	0	0.0004	0.05	0.1
Zn	10	0	0.0004	0.05	0.1

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360983
Analyst: VC
Spike Analyst: VC
Run Date: 04/06/2011 13:34
Method: 3051A
Balance: BAL013
Instrument: MW-2

SOP: ME406 Revison 12
Spike Solution: STD41894
Spike Witness: ERP
HNO3 Lot #: COA15353
Digestion Tubes Lot #: COA15342

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360983-02	BLANK	7	.5 g	200 mL	175.598 g	175.585 g		
2	WG360983-03	LCS	7	.5 g	200 mL	174.794 g	174.776 g	.5 mL	
3	L11040059-06	SAMP	7	.538 g	200 mL	174.841 g	174.831 g		04/13/11
4	L11040179-01	SAMP	7	.507 g	200 mL	175.369 g	175.359 g		04/07/11
5	L11040179-02	SAMP	7	.503 g	200 mL	173.906 g	173.889 g		04/07/11
6	L11040179-03	SAMP	7	.501 g	200 mL	174.056 g	174.047 g		04/07/11
7	L11040179-04	SAMP	7	.5 g	200 mL	173.709 g	173.703 g		04/07/11
8	WG360983-01	REF	7	.518 g	200 mL	174.142 g	174.131 g		
9	L11040180-01	RS01	7	.518 g	200 mL	174.142 g	174.131 g		04/13/11
10	WG360983-04	MS	7	.518 g	200 mL	176.488 g	176.485 g	.5 mL	
11	L11040180-02	MS01	7	.518 g	200 mL	176.488 g	176.485 g	.5 mL	04/13/11
12	WG360983-05	MSD	7	.518 g	200 mL	173.87 g	173.864 g	.5 mL	
13	L11040180-03	SD01	7	.518 g	200 mL	173.87 g	173.864 g	.5 mL	04/13/11

Analyst: Vicki Collins

Reviewer: Erin Potter

MW_DIG - Modified 09/30/2009
PDF ID: 1966341
Report generated: 04/06/2011 14:27

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040611B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36989

Calibration Std: STD44629 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44694 ICSAB: STD44833 Int. Std: STD44811
CCV: STD44692 LLCCV: STD44536

Workgroups: 360842, 360863, 360944, 360998

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.040611.155030	Blank	Blank		1		04/06/11 15:50
2	EL.040611.155714	WG361026-01	Calibration Point		1		04/06/11 15:57
3	EL.040611.160359	WG361026-02	Calibration Point		1		04/06/11 16:03
4	EL.040611.161045	WG361026-03	Calibration Point		1		04/06/11 16:10
5	EL.040611.161732	WG361026-04	Calibration Point		1		04/06/11 16:17
6	EL.040611.162417	WG361026-05	Initial Calibration Verification		1		04/06/11 16:24
7	EL.040611.163122	WG361026-06	Initial Calib Blank		1		04/06/11 16:31
8	EL.040611.163829	WG361026-07	Low Level Initial Calibration V		1		04/06/11 16:38
9	EL.040611.164539	WG361026-08	Interference Check		1		04/06/11 16:45
10	EL.040611.165247	WG361026-09	Interference Check		1		04/06/11 16:52
11	EL.040611.165955	WG361026-10	CCV		1		04/06/11 16:59
12	EL.040611.170702	WG361026-11	CCB		1		04/06/11 17:07
13	EL.040611.171407	L11040038-07	1103-191-7		5		04/06/11 17:14
14	EL.040611.172115	L11040038-08	1103-191-8		5		04/06/11 17:21
15	EL.040611.172823	L11040038-09	1103-191-9		5		04/06/11 17:28
16	EL.040611.173531	L11040038-10	1103-191-10		5		04/06/11 17:35
17	EL.040611.174239	WG361026-12	CCV		1		04/06/11 17:42
18	EL.040611.174945	WG361026-13	CCB		1		04/06/11 17:49
19	EL.040611.175651	WG360839-02	Method/Prep Blank	.5/200	1		04/06/11 17:56
20	EL.040611.180400	WG360839-03	Laboratory Control S	.5/200	1		04/06/11 18:04
21	EL.040611.181109	L11040098-01	SAMPLE \#3	.521/200	5		04/06/11 18:11
22	EL.040611.181817	L11040100-01	SAMPLE \#2	.504/200	5		04/06/11 18:18
23	EL.040611.182523	L11040102-01	SAMPLE \#1	.52/200	5		04/06/11 18:25
24	EL.040611.183229	L11040104-04	WSW-1	.512/200	5		04/06/11 18:32
25	EL.040611.183936	L11040104-06	WSW-2	.519/200	5		04/06/11 18:39
26	EL.040611.184643	WG360863-01	Post Digestion Spike		5	L11040104-06	04/06/11 18:46
27	EL.040611.185351	WG360863-02	Serial Dilution		25	L11040104-06	04/06/11 18:53
28	EL.040611.190058	WG361026-14	CCV		1		04/06/11 19:00
29	EL.040611.190804	WG361026-15	CCB		1		04/06/11 19:08
30	EL.040611.191511	WG360839-01	Reference Sample		5	L11040104-08	04/06/11 19:15
31	EL.040611.192219	WG360839-04	Matrix Spike	.527/200	5	L11040104-08	04/06/11 19:22
32	EL.040611.192927	WG360839-05	Matrix Spike Duplica	.527/200	5	L11040104-08	04/06/11 19:29
33	EL.040611.193636	WG361026-16	CCV		1		04/06/11 19:36
34	EL.040611.194342	WG361026-17	CCB		1		04/06/11 19:43

Page: 1 Approved: April 07, 2011

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040611B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36989

Calibration Std: STD44629 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44694 ICSAB: STD44833 Int. Std: STD44811
CCV: STD44692 LLCCV: STD44536

Workgroups: 360842, 360863, 360944, 360998

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	EL.040611.195049	WG361026-18	Low Level Continuing Calibra		1		04/06/11 19:50
36	EL.040611.195759	WG360892-04	Method/Prep Blank	40/100	5		04/06/11 19:57
37	EL.040611.200508	WG360892-05	Laboratory Control S	40/100	1		04/06/11 20:05
38	EL.040611.201217	WG360892-03	Reference Sample		2	L11040149-01	04/06/11 20:12
39	EL.040611.201925	WG360892-09	Duplicate	40/100	2	L11040149-01	04/06/11 20:19
40	EL.040611.202632	WG360944-01	Post Digestion Spike		2	L11040149-01	04/06/11 20:26
41	EL.040611.203339	WG360944-02	Serial Dilution		10	L11040149-01	04/06/11 20:33
42	EL.040611.204046	WG361026-19	CCV		1		04/06/11 20:40
43	EL.040611.204752	WG361026-20	CCB		1		04/06/11 20:47
44	EL.040611.205458	WG360983-02	Method/Prep Blank	.5/200	1		04/06/11 20:54
45	EL.040611.210206	WG360983-03	Laboratory Control S	.5/200	1		04/06/11 21:02
46	EL.040611.210913	L11040059-06	GB-59-5	.538/200	5		04/06/11 21:09
47	EL.040611.211621	L11040179-01	SWMU-57-4411-SS-7.5-SW-	.507/200	5		04/06/11 21:16
48	EL.040611.212330	L11040179-02	SWMU-57-4411-SS-15-FC-N	.503/200	5		04/06/11 21:23
49	EL.040611.213039	L11040179-03	SWMU-57-4411-SS-15-FC-N	.501/200	5		04/06/11 21:30
50	EL.040611.213748	L11040179-04	SWMU-57-4511-SS-7.5-SW-	.5/200	5		04/06/11 21:37
51	EL.040611.214457	WG360998-01	Post Digestion Spike		5	L11040179-04	04/06/11 21:44
52	EL.040611.215207	WG360998-02	Serial Dilution		25	L11040179-04	04/06/11 21:52
53	EL.040611.215916	WG361026-21	CCV		1		04/06/11 21:59
54	EL.040611.220622	WG361026-22	CCB		1		04/06/11 22:06
55	EL.040611.221328	L11040180-01	SWMU-57-4511-SS-DUP		5	WG360983-01	04/06/11 22:13
56	EL.040611.222035	L11040180-02	SWMU-57-4511-SS-MS	.518/200	5	WG360983-04	04/06/11 22:20
57	EL.040611.222742	L11040180-03	SWMU-57-4511-SS-MSD	.518/200	5	WG360983-05	04/06/11 22:27
58	EL.040611.223450	WG361026-23	CCV		1		04/06/11 22:34
59	EL.040611.224156	WG361026-24	CCB		1		04/06/11 22:41

Comments

Seq.	Rerun	Dil.	Reason	Analytes
13			Data not used from 17:14 through 17:35 due to noncompliant results for arsenic.	

  Approved: April 07, 2011

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 06-APR-2011
Analyst: EDL
Analyst: NA
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 361026
Runlog ID: 39876
Analytical Workgroups: 360863, 360944, 360998

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	X
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	098, 100, 102, 104, 059, 179, 180
Client Forms	X
Level X	
Level 3	059
Level 4	098, 100, 102, 104, 179, 180
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	EDL
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
07-APR-2011
Erin D. Long

Secondary Reviewer:
07-APR-2011
Sheri L. Blodgett

CHECKLIST1 - Modified 03/05/2008
Generated: APR-07-2011 11:08:08

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6020 AAB#: WG360998

Login Number: L11040179

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-4411-SS-7.5-SW-	01	04/04/11					04/06/11	2.2	180		04/06/11	2.6	180	
SWMU-57-4411-SS-15-FC-N	02	04/04/11					04/06/11	2	180		04/06/11	2.3	180	
SWMU-57-4411-SS-15-FC-N	03	04/04/11					04/06/11	1.9	180		04/06/11	2.3	180	
SWMU-57-4511-SS-7.5-SW-	04	04/05/11					04/06/11	1	180		04/06/11	1.3	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1967161
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11040179
Work Group: WG360998
Blank File ID: EL.040611.205458
Blank Sample ID: WG360983-02
Prep Date: 04/06/11 13:34
Instrument ID: ELAN-ICP
Analyzed Date: 04/06/11 20:54
Method: 6020
Analyst: EDL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360983-03	EL.040611.210206	04/06/11 21:02	01
SWMU-57-4411-SS-7.5-SW-11	L11040179-01	EL.040611.211621	04/06/11 21:16	DL01
SWMU-57-4411-SS-15-FC-NUM9	L11040179-02	EL.040611.212330	04/06/11 21:23	DL01
SWMU-57-4411-SS-15-FC-NUM10	L11040179-03	EL.040611.213039	04/06/11 21:30	DL01
SWMU-57-4511-SS-7.5-SW-12	L11040179-04	EL.040611.213748	04/06/11 21:37	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1967162
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040179 Prep Date: 04/06/11 13:34 Sample ID: WG360983-02
Instrument ID: ELAN-ICP Run Date: 04/06/11 20:54 Prep Method: 3051A
File ID: EL.040611.205458 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360998 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ELAN-I-06-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Cadmium, Total	0.0500	0.100	0.0500	1	U
Chromium, Total	0.200	0.400	0.200	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1967163
07-APR-2011 08:09

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG360983-03
Instrument ID: ELAN-ICP Run Time: 21:02 Prep Method: 3051A
File ID: EL.040611.210206 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360998 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-06-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Cadmium, Total	10.0	9.25	92.5	80 - 120	
Chromium, Total	10.0	10.1	101	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1967164
Report generated: 04/07/2011 08:09

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11040179 Cal ID:ELAN-ICP- Worknum:WG360998

Instrument ID:ELAN-ICP Contract #: Method:6020

Parent ID:WG360983-01 File ID:EL.040611.221328 Dil:5 Matrix:SOLID

Sample ID:WG360983-04 MS File ID:EL.040611.222035 Dil:5 Units:mg/kg

Sample ID:WG360983-05 MSD File ID:EL.040611.222742 Dil:5 Percent Solid:78.4

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Cadmium, Total	ND	12.3	14.2	115	12.3	13.2	107	7.06	80 - 120	20	
Chromium, Total	15.5	12.3	34.9	157	12.3	32.9	142	5.72	80 - 120	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008

PDF File ID:1967754

Report generated 04/07/2011 11:14

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040179 **Worknum:** WG360998
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG360998-02 **File ID:** EL.040611.215207 **Dil:** 25 **Units:** ug/L
Sample: L11040179-04 **File ID:** EL.040611.213748 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Cadmium	ND	U	ND	U		
Chromium	36.55	X	25.75	X	29.50	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1967159
04/07/2011 08:09

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040179 **Worknum:** WG360998
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG360998-01 **File ID:** EL.040611.214457 **Dil:** 5 **Units:** ug/L
Sample ID: L11040179-04 **File ID:** EL.040611.213748 **Dil:** 5 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
CADMIUM	58.8		0	U	50	117.5	75 - 125	
CHROMIUM	61.8		7.31		50	108.9	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1967160
Report generated: 04/07/2011 08:09

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040179**	Workgroup (AAB#):	**WG360998**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG361026**	Initial Calibration Date:	**06-APR-2011 16:17**

	WG361026-01		WG361026-02		WG361026-03		WG361026-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
CADMIUM	0	-0.729	.4	552	50	67000	100	128000	.999952	
CHROMIUM	0	9030	.4	12300	50	404000	100	766000	.999968	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1967169
Report generated: 07-APR-2011 08:09

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-06
Instrument ID: ELAN-ICP Run Time: 16:31 Method: 6020
File ID: EL.040611.163122 Analyst: EDL Units: ug/L
Workgroup (AAB#): WG360998 Cal ID: ELAN-ICP - 06-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
CADMIUM	.125	.25	.125	U
CHROMIUM	.5	1	.5	U

U = Result is less than 2 x MDL

F = Result is between MDL and 2 x MDL

* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1967171
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040179	Run Date:	04/06/2011	Sample ID:	WG361026-11
Instrument ID:	ELAN-ICP	Run Time:	17:07	Method:	6020
File ID:	EL.040611.170702	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967175
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040179	Run Date:	04/06/2011	Sample ID:	WG361026-20
Instrument ID:	ELAN-ICP	Run Time:	20:47	Method:	6020
File ID:	EL.040611.204752	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967175
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040179	Run Date:	04/06/2011	Sample ID:	WG361026-22
Instrument ID:	ELAN-ICP	Run Time:	22:06	Method:	6020
File ID:	EL.040611.220622	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967175
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-05

Instrument ID: ELAN-ICP Run Time: 16:24 Method: 6020

File ID: EL.040611.162417 Analyst: EDL Units: ug/L

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Cadmium		50	50.3	101	90 - 110	
Chromium		50	50.1	100	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1967170

Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-10

Instrument ID: ELAN-ICP Run Time: 16:59 Method: 6020

File ID: EL.040611.165955 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.2	ug/L	100	90 - 110		
Chromium		50.0	49.2	ug/L	98.4	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967173

Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-19

Instrument ID: ELAN-ICP Run Time: 20:40 Method: 6020

File ID: EL.040611.204046 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.4	ug/L	101	90 - 110		
Chromium		50.0	49.7	ug/L	99.5	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967173

Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-21

Instrument ID: ELAN-ICP Run Time: 21:59 Method: 6020

File ID: EL.040611.215916 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.8	ug/L	102	90 - 110		
Chromium		50.0	49.5	ug/L	98.9	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967173

Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-07
Instrument ID: ELAN-ICP Run Time: 16:38 Method: 6020
File ID: EL.040611.163829 Analyst: EDL QC Key: DOD4
Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11
Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.190	ug/L	94.9	80 - 120		
Chromium		0.800	0.850	ug/L	106	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010
PDF File ID: 1967177
Report generated 04/07/2011 08:09

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040179 Run Date: 04/06/2011 Sample ID: WG361026-18

Instrument ID: ELAN-ICP Run Time: 19:50 Method: 6020

File ID: EL.040611.195049 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.223	ug/L	112	80 - 120		
Chromium		0.800	0.887	ug/L	111	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1967177

Report generated 04/07/2011 08:09

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040179 **Workgroup (AAB#):** WG360998
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG361026-08 **File ID:** EL.040611.164539 **Units:** ug/L
Sol. AB : WG361026-09 **File ID:** EL.040611.165247 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Cadmium	NS	0.0190	NS	100	102	102	
Chromium	NS	0.104	NS	100	101	101	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11040179 **Analytical Method** 6020
Analytical Workgroup: WG360998 **Matrix:** 7
Instrument: ELAN-ICP **Analyst:** EDL
ICAL Date: 06-APR-2011 15:57

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11040179-01	SAMP	06-APR-2011 21:16	98.838	95.01	91.732	93.196
L11040179-02	SAMP	06-APR-2011 21:23	98.537	95.226	90.905	94.305
L11040179-03	SAMP	06-APR-2011 21:30	96.987	95.143	91.676	93.314
L11040179-04	SAMP	06-APR-2011 21:37	97.611	97.967	94.603	94.552
WG360983-02	BLANK	06-APR-2011 20:54	98.34	96.93	94.955	96.636
WG360983-03	LCS	06-APR-2011 21:02	100.8	98.412	96.736	98.416
WG360998-01	PSPK	06-APR-2011 21:44	96.218	96.616	92.573	93.149
WG360998-02	SERIAL	06-APR-2011 21:52	98.76	100.114	97.898	95.864
WG361026-05	ICV	06-APR-2011 16:24	97.211	94.571	95.741	97.497
WG361026-06	ICB	06-APR-2011 16:31	99.474	97.796	97.729	97.915
WG361026-07	LLICV	06-APR-2011 16:38	100.126	99.157	99.207	99.391
WG361026-08	ICS	06-APR-2011 16:45	96.702	95.633	92.711	94.541
WG361026-09	ICS	06-APR-2011 16:52	96.884	85.703	81.439	90.359
WG361026-10	CCV	06-APR-2011 16:59	98.086	94.31	92.967	94.924
WG361026-11	CCB	06-APR-2011 17:07	100.183	96.323	95.675	95.769
WG361026-18	LLCCV	06-APR-2011 19:50	97.831	99.526	98.452	97.42
WG361026-19	CCV	06-APR-2011 20:40	97.913	94.33	92.663	95.716
WG361026-20	CCB	06-APR-2011 20:47	98.423	96.534	95.211	96.071
WG361026-21	CCV	06-APR-2011 21:59	94.71	96.848	97.609	95.728
WG361026-22	CCB	06-APR-2011 22:06	97.564	101.862	102.042	98.39

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1967168
Report generated: 04/07/2011 08:09

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040179 **Date:** 12/07/2010
Insturment ID: ELAN-ICP **Method:** 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Barium	1.00	100.0
Cadmium	1.00	100.0
Chromium	1.00	100.0
Cobalt	1.00	100.0
Copper	1.00	100.0
Lead	1.00	100.0
Manganese	1.00	100.0
Nickel	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0
Uranium	1.00	100.0
Vanadium	1.00	100.0
Zinc	1.00	100.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

2.1.2.3 Raw Data

Instrument Tuning Report

File Name: 06302008.tun
File Path: C:\Elandata\Tuning\06302008.tun

Sample Information

Sample Date/Time: Wednesday, April 06, 2011 08:46:56

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.028	622	2060	0.765	
Li	7.016	7.029	1590	2060	0.723	
Co	58.933	58.928	14277	1990	0.676	
Ce	139.905	139.829	33974	2025	0.698	
Tl	204.975	204.877	49677	2255	0.719	

Relative Std. Dev.

Mass	Meas. Intens. RSD
2.000	0.461
3.000	0.876
4.000	29.432
5.000	11.560
6.000	2.951
7.000	3.008
8.000	30.373
9.000	5.397
58.000	2.522
59.000	1.649
60.000	15.147
139.000	3.604
140.000	0.350
141.000	9.552
204.000	4.035
205.000	1.193
206.000	1.169

Report Date/Time: Wednesday, April 06, 2011 08:48:07
Page 1

Approved: April 07, 2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Wednesday, April 06, 2011 09:44:55
Sample Description:
Method File: C:\Elandata\Method\6020 DAILY.mth
Dataset File: C:\elandata\Dataset\032811\Sample.649
Tuning File: C:\Elandata\Tuning\06302008.tun
Optimization File: C:\elandata\Optimize\Default.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 50
Current Dead Time (ns): 50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	49804.2	49804.218	264.027	0.5
	Rh	102.9	213529.8	213529.825	1229.533	0.6
	In	114.9	556988.2	556988.192	3248.921	0.6
	Pb	208.0	243340.7	243340.704	2032.787	0.8
	U	238.1	16.4	16.400	3.782	23.1
⌈>	Ba	137.9	296371.6	296371.601	657.833	0.2
⌊	Ba++	69.0	3972.9	0.013	0.000	1.0
⌈>	Ce	139.9	376662.3	376662.310	1724.159	0.5
⌊	CeO	155.9	9787.1	0.026	0.000	1.3
	Bkgd	220.0	13.9	13.900	2.302	16.6
	Ar2	79.9	4896675.0	4896675.043	15198.617	0.3

Current Optimization File Data

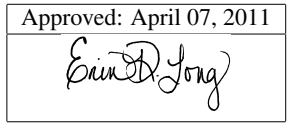
Current Value	Description
1.02	Nebulizer Gas Flow
6.40	Lens Voltage
1500.00	ICP RF Power
-1862.50	Analog Stage Voltage
1000.00	Pulse Stage Voltage
20.00	Discriminator Threshold
-10.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	33	5.3	3999.5
Co	59	33	6.0	120809.0
Rh	103	33	6.8	174421.7
Pb	208	33	7.8	173459.1

Sample ID: Sample
Report Date/Time: Wednesday, April 06, 2011 09:47:03
Page 1

Approved: April 07, 2011



Method 6020 - Summary Report

Sample ID: Blank

Sample Date/Time: Wednesday, April 06, 2011 15:50:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22809.411					ug/L
|	Be	9	20.667					ug/L
|	Al	27	2200.244					ug/L
|>	Sc	45	171815.353					ug/L
⌈	Ti	49	50.005					ug/L
|	V	51	2872.351					ug/L
|	Cr	52	9124.253					ug/L
|	Cr	53	146.683					ug/L
|	Mn	55	349.343					ug/L
|	Co	59	58.001					ug/L
|	Ni	60	35.000					ug/L
|	Cu	65	190.337					ug/L
|	Zn	66	1734.501					ug/L
|>	Ge	72	319451.068					ug/L
|	As	75	-229.073					ug/L
|	Se	77	82.667					ug/L
|	Se	82	-5.933					ug/L
⌊	Rb	85	29.667					mg/L
	Y	89	252127.243					ug/L
	Rh	103	12.000					ug/L
⌈	Mo	98	40.877					ug/L
|	Ag	107	29.667					ug/L
|	Cd	114	-3.951					ug/L
|>	In	115	341993.452					ug/L
|	Sn	118	128.134					ug/L
⌊	Sb	123	27.737					ug/L
⌈	Ba	135	27.667					ug/L
|	Ce	140	23.336					ug/L
⌊>	Tb	159	474327.278					ug/L
⌈	Ho	165	30.003					ug/L
|	Tl	203	24.334					ug/L
|	Tl	205	30.003					ug/L
|	Pb	206	365.344					ug/L
|	Pb	207	323.342					ug/L
|	Pb	208	1499.393					ug/L
|	U	238	32.334					ug/L
⌊>	Bi	209	449225.124					ug/L

Sample ID: Blank
Report Date/Time: Wednesday, April 06, 2011 15:52:41
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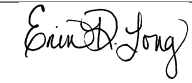
Approved: April 07, 2011



Na	23	14328.364		mg/L
Mg	24	306.702		mg/L
K	39	333957.246		mg/L
Ca	43	180.020		mg/L
Fe	54	44580.689		mg/L
Fe	57	6596.169		mg/L
Sc-1	45	171815.353		mg/L
Cl	35	12593.925		mg/L
Kr	83	69.001		mg/L
Br	81	8582.349		mg/L
P	31	9808.147		mg/L
S	34	132078.596		mg/L
Sr	88	70.007		mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					

Sample ID: Blank
Report Date/Time: Wednesday, April 06, 2011 15:52:41
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Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Blank
Report Date/Time: Wednesday, April 06, 2011 15:52:41
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Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Wednesday, April 06, 2011 15:57:14
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23126.735	-0.00				ug/L
|	Be	9	12.667	-0.00				ug/L
|	Al	27	2216.914	-0.00				ug/L
|>	Sc	45	180788.530	180788.53				ug/L
⌈	Ti	49	13.335	-0.00				ug/L
|	V	51	2834.295	-0.00				ug/L
|	Cr	52	9034.838	-0.00				ug/L
|	Cr	53	220.024	0.00				ug/L
|	Mn	55	376.678	0.00				ug/L
|	Co	59	61.334	0.00				ug/L
|	Ni	60	29.000	-0.00				ug/L
|	Cu	65	198.337	0.00				ug/L
|	Zn	66	1712.831	-0.00				ug/L
|>	Ge	72	320476.090	320476.09				ug/L
|	As	75	-178.707	0.00				ug/L
|	Se	77	72.000	-0.00				ug/L
|	Se	82	11.849	0.00				ug/L
⌊	Rb	85	25.000	-0.00				mg/L
	Y	89	249850.832	-2276.41				ug/L
	Rh	103	12.667	0.67				ug/L
⌈	Mo	98	34.758	-0.00				ug/L
|	Ag	107	28.000	-0.00				ug/L
|	Cd	114	-0.729	0.00				ug/L
|>	In	115	341056.112	341056.11				ug/L
|	Sn	118	114.801	-0.00				ug/L
⌊	Sb	123	28.944	0.00				ug/L
⌈	Ba	135	23.000	-0.00				ug/L
|	Ce	140	20.002	-0.00				ug/L
|>	Tb	159	475413.838	475413.84				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	17.334	-0.00				ug/L
|	Tl	205	23.336	-0.00				ug/L
|	Pb	206	397.012	0.00				ug/L
|	Pb	207	326.675	-0.00				ug/L
|	Pb	208	1538.395	0.00				ug/L
|	U	238	25.334	-0.00				ug/L
|>	Bi	209	456965.444	456965.44				ug/L

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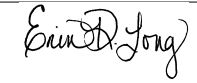

Na	23	15082.877	0.00			mg/L
Mg	24	373.378	0.00			mg/L
K	39	330047.434	-0.12			mg/L
Ca	43	196.688	0.00			mg/L
Fe	54	44553.020	-0.01			mg/L
Fe	57	7176.626	0.00			mg/L
Sc-1	45	180788.530	180788.53			mg/L
Cl	35	12242.827	-351.10			mg/L
Kr	83	55.667	-13.33			mg/L
Br	81	9120.160	537.81			mg/L
P	31	10328.690	520.54			mg/L
S	34	131645.939	-432.66			mg/L
Sr	88	83.342	13.33			mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 1
Report Date/Time: Wednesday, April 06, 2011 15:59:26
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Wednesday, April 06, 2011 16:03:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25298.631	0.01				ug/L
|	Be	9	146.001	0.00				ug/L
|	Al	27	4817.839	0.01				ug/L
⌊>	Sc	45	177732.227	177732.23				ug/L
⌈	Ti	49	506.730	0.00				ug/L
|	V	51	6556.354	0.01				ug/L
|	Cr	52	12272.317	0.01				ug/L
|	Cr	53	593.411	0.00				ug/L
|	Mn	55	5681.671	0.02				ug/L
|	Co	59	3977.498	0.01				ug/L
|	Ni	60	875.714	0.00				ug/L
|	Cu	65	1095.404	0.00				ug/L
|	Zn	66	2479.666	0.00				ug/L
|>	Ge	72	322782.881	322782.88				ug/L
|	As	75	248.875	0.00				ug/L
|	Se	77	113.334	0.00				ug/L
|	Se	82	51.485	0.00				ug/L
⌊	Rb	85	53.334	0.00				mg/L
	Y	89	251248.741	-878.50				ug/L
	Rh	103	14.000	2.00				ug/L
⌈	Mo	98	2713.788	0.01				ug/L
|	Ag	107	2784.082	0.01				ug/L
|	Cd	114	551.812	0.00				ug/L
|>	In	115	339970.477	339970.48				ug/L
|	Sn	118	2305.199	0.01				ug/L
⌊	Sb	123	1633.430	0.00				ug/L
⌈	Ba	135	723.700	0.00				ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	472308.721	472308.72				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	3723.064	0.01				ug/L
|	Tl	205	9261.882	0.02				ug/L
|	Pb	206	3791.757	0.01				ug/L
|	Pb	207	3514.986	0.01				ug/L
|	Pb	208	15744.720	0.03				ug/L
|	U	238	21371.693	0.05				ug/L
⌊>	Bi	209	452273.409	452273.41				ug/L

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Na	23	261063.269	1.39			mg/L
Mg	24	150232.113	0.84			mg/L
K	39	656693.052	1.75			mg/L
Ca	43	1000.150	0.00			mg/L
Fe	54	68996.790	0.13			mg/L
Fe	57	17169.822	0.06			mg/L
Sc-1	45	177732.227	177732.23			mg/L
Cl	35	12356.304	-237.62			mg/L
Kr	83	59.334	-9.67			mg/L
Br	81	8952.675	370.33			mg/L
P	31	11004.797	1196.65			mg/L
S	34	137391.223	5312.63			mg/L
Sr	88	156.684	86.68			mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					

Sample ID: Standard 2
Report Date/Time: Wednesday, April 06, 2011 16:06:11

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
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Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Wednesday, April 06, 2011 16:10:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22909.599	-0.01				ug/L
|	Be	9	17131.332	0.09	50.0000	3.611	7.221	ug/L
|	Al	27	298408.074	1.64	50.0000	2.118	4.236	ug/L
⌊>	Sc	45	180874.652	180874.65				ug/L
⌈	Ti	49	58446.137	0.19	100.0000	1.038	1.038	ug/L
|	V	51	464380.323	1.49	50.0000	0.173	0.345	ug/L
|	Cr	52	403775.958	1.28	50.0000	0.453	0.906	ug/L
|	Cr	53	45551.466	0.15	50.0000	1.649	3.298	ug/L
|	Mn	55	612239.922	1.98	50.0000	0.644	1.288	ug/L
|	Co	59	477379.102	1.54	50.0000	0.903	1.806	ug/L
|	Ni	60	98277.285	0.32	50.0000	0.910	1.820	ug/L
|	Cu	65	100686.718	0.33	50.0000	0.563	1.127	ug/L
|	Zn	66	61119.191	0.19	50.0000	0.953	1.905	ug/L
| >	Ge	72	308998.424	308998.42				ug/L
|	As	75	53922.510	0.18	50.0000	0.440	0.879	ug/L
|	Se	77	4438.985	0.01	50.0000	1.379	2.758	ug/L
|	Se	82	5618.528	0.02	50.0000	0.117	0.234	ug/L
⌊	Rb	85	2350.633	0.01				mg/L
	Y	89	238801.293	-13325.95				ug/L
	Rh	103	31.667	19.67				ug/L
⌈	Mo	98	319869.245	0.96	100.0000	0.517	0.517	ug/L
|	Ag	107	334476.134	1.01	50.0000	0.600	1.199	ug/L
|	Cd	114	67026.877	0.20	50.0000	0.489	0.979	ug/L
| >	In	115	332591.473	332591.47				ug/L
|	Sn	118	237060.526	0.71	50.0000	0.426	0.851	ug/L
⌊	Sb	123	199504.709	0.60	50.0000	0.278	0.556	ug/L
⌈	Ba	135	87804.395	0.19	50.0000	0.531	1.061	ug/L
|	Ce	140	56.673	0.00				ug/L
⌊>	Tb	159	467149.262	467149.26				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	456109.665	1.04	50.0000	0.729	1.459	ug/L
|	Tl	205	1142890.808	2.62	50.0000	0.473	0.947	ug/L
|	Pb	206	371584.335	0.85	50.0000	0.520	1.040	ug/L
|	Pb	207	349474.258	0.80	50.0000	0.412	0.823	ug/L
|	Pb	208	1558622.043	3.57	50.0000	0.209	0.417	ug/L
|	U	238	2607657.400	5.97	50.0000	0.349	0.699	ug/L
⌊>	Bi	209	436681.843	436681.84				ug/L

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⌈	Na	23	25593286.341	141.77	5.0000	0.339	6.781	mg/L
|	Mg	24	17324738.454	96.07	5.0000	0.389	7.774	mg/L
|	K	39	36166311.603	198.47	5.0000	0.317	6.335	mg/L
|	Ca	43	91058.472	0.50	5.0000	0.292	5.840	mg/L
|	Fe	54	2941482.694	16.04	5.0000	0.320	6.392	mg/L
|	Fe	57	1217007.069	6.70	5.0000	0.191	3.820	mg/L
⌊>	Sc-1	45	180874.652	180874.65				mg/L
	Cl	35	13351.580	757.65				mg/L
	Kr	83	54.001	-15.00				mg/L
	Br	81	8705.790	123.44				mg/L
	P	31	11888.409	2080.26				mg/L
	S	34	157608.263	25529.67				mg/L
	Sr	88	2387.190	2317.18				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 3
Report Date/Time: Wednesday, April 06, 2011 16:12:57
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Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Wednesday, April 06, 2011 16:17:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19452.303	-0.02				ug/L
|	Be	9	32762.932	0.19	99.5131	2.941	2.956	ug/L
|	Al	27	577318.201	3.30	100.3593	2.889	2.879	ug/L
⌊>	Sc	45	174272.175	174272.18				ug/L
⌈	Ti	49	115086.660	0.38	201.0731	2.958	1.471	ug/L
|	V	51	905795.651	3.00	100.1966	1.209	1.206	ug/L
|	Cr	52	766140.593	2.52	99.2064	0.561	0.566	ug/L
|	Cr	53	88219.557	0.29	99.8160	0.900	0.902	ug/L
|	Mn	55	1192332.840	3.96	100.0019	1.061	1.061	ug/L
|	Co	59	916739.713	3.05	99.2804	0.579	0.583	ug/L
|	Ni	60	188465.929	0.63	99.2238	0.352	0.354	ug/L
|	Cu	65	189039.022	0.63	98.2159	1.208	1.230	ug/L
|	Zn	66	115583.637	0.38	99.2858	0.804	0.810	ug/L
| >	Ge	72	301010.191	301010.19				ug/L
|	As	75	103207.224	0.34	99.0262	0.660	0.666	ug/L
|	Se	77	8585.020	0.03	100.0422	3.346	3.345	ug/L
|	Se	82	10508.198	0.03	97.9832	0.197	0.201	ug/L
⌊	Rb	85	4375.001	0.01				mg/L
	Y	89	229223.502	-22903.74				ug/L
	Rh	103	59.334	47.33				ug/L
⌈	Mo	98	617208.457	1.91	199.3801	2.208	1.107	ug/L
|	Ag	107	637878.772	1.98	99.1035	1.496	1.510	ug/L
|	Cd	114	127649.482	0.40	99.0248	1.738	1.755	ug/L
| >	In	115	322953.665	322953.67				ug/L
|	Sn	118	459792.636	1.42	99.9752	0.432	0.432	ug/L
⌊	Sb	123	386237.991	1.20	99.8442	0.485	0.486	ug/L
⌈	Ba	135	171089.985	0.37	99.2526	1.099	1.107	ug/L
|	Ce	140	80.008	0.00				ug/L
⌊>	Tb	159	462057.685	462057.69				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	885332.436	2.04	98.8746	0.643	0.650	ug/L
|	Tl	205	2177266.006	5.02	97.9445	2.496	2.548	ug/L
|	Pb	206	731325.705	1.69	99.6178	0.986	0.990	ug/L
|	Pb	207	691356.066	1.59	99.8741	1.620	1.622	ug/L
|	Pb	208	3066735.128	7.07	99.6017	0.434	0.436	ug/L
|	U	238	5160732.542	11.91	99.8454	0.124	0.125	ug/L
⌊>	Bi	209	433443.966	433443.97				ug/L

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Na	23	50642876.478	290.58	10.1266	0.394	3.891	mg/L
Mg	24	33360580.601	191.46	9.9844	0.320	3.201	mg/L
K	39	69124119.910	394.67	9.9735	0.194	1.942	mg/L
Ca	43	167380.326	0.96	9.7608	0.267	2.735	mg/L
Fe	54	5606389.200	31.91	9.9736	0.198	1.981	mg/L
Fe	57	2356273.347	13.48	10.0323	0.123	1.228	mg/L
> Sc-1	45	174272.175	174272.18				mg/L
Cl	35	13782.826	1188.90				mg/L
Kr	83	55.667	-13.33				mg/L
Br	81	7991.199	-591.15				mg/L
P	31	11112.838	1304.69				mg/L
S	34	162466.683	30388.09				mg/L
Sr	88	4171.288	4101.28				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209					

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
Report Date/Time: Wednesday, April 06, 2011 16:19:44

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Wednesday, April 06, 2011 16:24:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20704.829	-0.01				ug/L
|	Be	9	16247.192	0.09	49.0859	1.797	3.662	ug/L
|	Al	27	301032.820	1.71	51.8669	2.189	4.220	ug/L
⌊>	Sc	45	175205.533	175205.53				ug/L
⌈	Ti	49	62339.969	0.21	108.5237	2.873	2.648	ug/L
|	V	51	443222.705	1.46	48.7069	0.232	0.476	ug/L
|	Cr	52	392425.176	1.27	50.0931	0.228	0.455	ug/L
|	Cr	53	44831.422	0.15	50.4319	1.044	2.071	ug/L
|	Mn	55	596648.693	1.97	49.8377	0.728	1.461	ug/L
|	Co	59	455288.774	1.51	49.1255	0.117	0.238	ug/L
|	Ni	60	95953.782	0.32	50.3221	0.557	1.106	ug/L
|	Cu	65	94856.486	0.31	49.0428	1.287	2.625	ug/L
|	Zn	66	59056.179	0.19	49.7579	1.564	3.143	ug/L
| >	Ge	72	302109.113	302109.11				ug/L
|	As	75	52496.197	0.17	50.2769	0.727	1.446	ug/L
|	Se	77	4444.321	0.01	51.2005	0.965	1.885	ug/L
|	Se	82	5544.831	0.02	51.4909	0.160	0.310	ug/L
⌊	Rb	85	2234.272	0.01				mg/L
	Y	89	234094.918	-18032.33				ug/L
	Rh	103	45.667	33.67				ug/L
⌈	Mo	98	342497.289	1.05	109.1021	1.014	0.929	ug/L
|	Ag	107	330859.557	1.01	50.6904	0.368	0.725	ug/L
|	Cd	114	65679.726	0.20	50.2539	0.743	1.478	ug/L
| >	In	115	327426.712	327426.71				ug/L
|	Sn	118	256785.448	0.78	55.0357	0.292	0.531	ug/L
⌊	Sb	123	189073.115	0.58	48.2055	0.511	1.060	ug/L
⌈	Ba	135	85601.690	0.19	49.6127	0.555	1.119	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	462453.573	462453.57				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	443272.699	1.02	49.1398	0.390	0.794	ug/L
|	Tl	205	1120189.091	2.57	50.0251	1.800	3.598	ug/L
|	Pb	206	375070.704	0.86	50.6636	0.901	1.778	ug/L
|	Pb	207	334008.179	0.76	47.8425	0.320	0.669	ug/L
|	Pb	208	1538368.407	3.52	49.5444	0.247	0.499	ug/L
|	U	238	2451838.338	5.61	47.0865	0.416	0.884	ug/L
⌊>	Bi	209	436697.179	436697.18				ug/L

Sample ID: QC Std 1
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Na	23	25376318.372	144.82	5.0428	0.141	2.796	mg/L	
Mg	24	16200651.839	92.52	4.8226	0.159	3.287	mg/L	
K	39	34116304.388	192.85	4.8712	0.168	3.449	mg/L	
Ca	43	84850.398	0.48	4.9148	0.108	2.206	mg/L	
Fe	54	2831621.228	15.91	4.9713	0.104	2.090	mg/L	
Fe	57	1164352.171	6.61	4.9170	0.136	2.774	mg/L	
> Sc-1	45	175205.533	175205.53				mg/L	
Cl	35	14302.226	1708.30				mg/L	
Kr	83	52.667	-16.33				mg/L	
Br	81	7989.196	-593.15				mg/L	
P	31	10053.087	244.94				mg/L	
S	34	161787.582	29708.99				mg/L	
Sr	88	2333.840	2263.83				mg/L	

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Li	6					
	Be	9	98.172				
	Al	27	103.734				
>	Sc	45					
	Ti	49	108.524				
	V	51	97.414				
	Cr	52	100.186				
	Cr	53					
	Mn	55	99.675				
	Co	59	98.251				
	Ni	60	100.644				
	Cu	65	98.086				
	Zn	66	99.516				
>	Ge	72		94.571			
	As	75	100.554				
	Se	77					
	Se	82	102.982				
	Rb	85					
	Y	89					
	Rh	103					
	Mo	98					
	Ag	107	101.381				
	Cd	114	100.508				
>	In	115		95.741			
	Sn	118					
	Sb	123	96.411				
	Ba	135	99.225				
	Ce	140					
>	Tb	159		97.497			
	Ho	165					
	Tl	203	98.280				
	Tl	205					
	Pb	206					
	Pb	207					
	Pb	208	99.089				
	U	238	94.173				
>	Bi	209		97.211			

Sample ID: QC Std 1
Report Date/Time: Wednesday, April 06, 2011 16:26:29

Approved: April 07, 2011

⌈	Na	23	100.855
|	Mg	24	96.452
|	K	39	97.423
|	Ca	43	98.295
|	Fe	54	99.425
|	Fe	57	98.340
⌊>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	
	Sr	88	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 1
Report Date/Time: Wednesday, April 06, 2011 16:26:29

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Wednesday, April 06, 2011 16:31:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20521.042	-0.02				ug/L
|	Be	9	11.333	-0.00	-0.0016	0.012	757.832	ug/L
|	Al	27	1666.807	-0.00	-0.1398	0.039	28.198	ug/L
⌊>	Sc	45	178003.827	178003.83				ug/L
⌈	Ti	49	43.338	-0.00	0.0472	0.035	73.977	ug/L
|	V	51	2714.963	-0.00	0.0120	0.006	48.828	ug/L
|	Cr	52	8734.901	-0.00	0.0035	0.011	327.520	ug/L
|	Cr	53	223.358	0.00	0.0164	0.043	262.828	ug/L
|	Mn	55	390.345	0.00	-0.0130	0.003	19.721	ug/L
|	Co	59	66.334	0.00	0.0052	0.001	27.783	ug/L
|	Ni	60	37.667	0.00	-0.0110	0.002	13.928	ug/L
|	Cu	65	184.004	-0.00	-0.0392	0.008	19.777	ug/L
|	Zn	66	1599.477	-0.00	-0.2733	0.046	16.806	ug/L
|>	Ge	72	312411.114	312411.11				ug/L
|	As	75	-180.406	0.00	0.0111	0.064	582.900	ug/L
|	Se	77	67.334	-0.00	-0.0798	0.054	67.334	ug/L
|	Se	82	1.449	0.00	-0.0351	0.094	266.610	ug/L
⌊	Rb	85	27.000	-0.00				mg/L
	Y	89	245727.362	-6399.88				ug/L
	Rh	103	15.000	3.00				ug/L
⌈	Mo	98	197.205	0.00	0.0286	0.004	14.427	ug/L
|	Ag	107	44.667	0.00	-0.0042	0.000	7.075	ug/L
|	Cd	114	1.268	0.00	-0.0058	0.005	80.998	ug/L
|>	In	115	334227.845	334227.84				ug/L
|	Sn	118	363.607	0.00	0.0000	0.007	36093.697	ug/L
⌊	Sb	123	457.961	0.00	0.1133	0.011	9.512	ug/L
⌈	Ba	135	25.667	-0.00	0.0040	0.002	57.580	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	464438.729	464438.73				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	57.667	0.00	0.0077	0.000	6.115	ug/L
|	Tl	205	116.679	0.00	0.0057	0.001	22.502	ug/L
|	Pb	206	386.345	0.00	-0.0444	0.004	9.390	ug/L
|	Pb	207	349.343	0.00	-0.0380	0.001	3.197	ug/L
|	Pb	208	1588.399	0.00	-0.0404	0.002	6.110	ug/L
|	U	238	183.004	0.00	0.0072	0.000	0.978	ug/L
⌊>	Bi	209	446861.705	446861.71				ug/L

Sample ID: QC Std 2
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Erin D. Long

⌈	Na	23	18412.108	0.02	-0.0076	0.000	1.069	mg/L
|	Mg	24	1026.822	0.00	-0.0038	0.000	0.583	mg/L
|	K	39	346539.954	0.00	-0.0042	0.001	20.890	mg/L
|	Ca	43	226.692	0.00	-0.0043	0.005	116.973	mg/L
|	Fe	54	42137.334	-0.02	-0.0073	0.001	9.531	mg/L
|	Fe	57	5902.335	-0.01	-0.0072	0.001	16.631	mg/L
⌊>	Sc-1	45	178003.827	178003.83				mg/L
	Cl	35	12740.111	146.19				mg/L
	Kr	83	63.334	-5.67				mg/L
	Br	81	8611.708	29.36				mg/L
	P	31	9222.286	-585.86				mg/L
	S	34	143235.590	11156.99				mg/L
	Sr	88	86.676	16.67				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.796			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.729			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.915			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.474			

Sample ID: QC Std 2
Report Date/Time: Wednesday, April 06, 2011 16:33:33
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
Report Date/Time: Wednesday, April 06, 2011 16:33:33
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Wednesday, April 06, 2011 16:38:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21172.400	-0.01				ug/L
|	Be	9	14.667	-0.00	0.0084	0.020	240.495	ug/L
|	Al	27	2900.423	0.00	0.0736	0.052	70.267	ug/L
⌊>	Sc	45	177172.638	177172.64				ug/L
⌈	Ti	49	50.005	0.00	0.0577	0.077	132.920	ug/L
|	V	51	6647.058	0.01	0.4225	0.018	4.158	ug/L
|	Cr	52	15660.081	0.02	0.8499	0.046	5.418	ug/L
|	Cr	53	1050.160	0.00	0.9045	0.080	8.841	ug/L
|	Mn	55	6833.069	0.02	0.5002	0.003	0.608	ug/L
|	Co	59	3922.142	0.01	0.4019	0.007	1.857	ug/L
|	Ni	60	3361.265	0.01	1.6519	0.039	2.352	ug/L
|	Cu	65	1800.180	0.01	0.7585	0.019	2.491	ug/L
|	Zn	66	8935.747	0.02	5.7947	0.131	2.264	ug/L
| >	Ge	72	316757.861	316757.86				ug/L
|	As	75	264.578	0.00	0.4187	0.124	29.605	ug/L
|	Se	77	108.667	0.00	0.3704	0.244	65.791	ug/L
|	Se	82	54.482	0.00	0.4357	0.286	65.635	ug/L
⌊	Rb	85	23.334	-0.00				mg/L
	Y	89	250131.717	-1995.53				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	104.727	0.00	-0.0007	0.002	278.354	ug/L
|	Ag	107	2858.104	0.01	0.4118	0.005	1.187	ug/L
|	Cd	114	266.091	0.00	0.1898	0.024	12.483	ug/L
| >	In	115	339282.978	339282.98				ug/L
|	Sn	118	211.336	0.00	-0.0327	0.003	7.730	ug/L
⌊	Sb	123	1754.950	0.01	0.4308	0.022	5.124	ug/L
⌈	Ba	135	1409.113	0.00	0.7908	0.027	3.472	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	471437.998	471438.00				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	783.039	0.00	0.0857	0.006	6.509	ug/L
|	Tl	205	2013.738	0.00	0.0879	0.005	5.606	ug/L
|	Pb	206	3516.988	0.01	0.3666	0.024	6.481	ug/L
|	Pb	207	3195.209	0.01	0.3582	0.007	2.068	ug/L
|	Pb	208	14488.964	0.03	0.3634	0.007	2.023	ug/L
|	U	238	21138.531	0.05	0.3978	0.005	1.247	ug/L
⌊>	Bi	209	449791.840	449791.84				ug/L

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Na	23	11360.921	-0.02	-0.0090	0.000	0.822	mg/L
Mg	24	396.715	0.00	-0.0040	0.000	0.723	mg/L
K	39	334938.211	-0.05	-0.0056	0.001	13.278	mg/L
Ca	43	173.352	-0.00	-0.0073	0.001	18.340	mg/L
Fe	54	42075.765	-0.02	-0.0071	0.001	21.072	mg/L
Fe	57	6175.863	-0.00	-0.0060	0.001	22.131	mg/L
> Sc-1	45	177172.638	177172.64				mg/L
Cl	35	12278.867	-315.06				mg/L
Kr	83	59.667	-9.33				mg/L
Br	81	8754.498	172.15				mg/L
P	31	10309.330	501.18				mg/L
S	34	139431.361	7352.77				mg/L
Sr	88	86.676	16.67				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	105.627				
Cr	52	106.236				
Cr	53					
Mn	55	100.049				
Co	59	100.483				
Ni	60	103.244				
Cu	65	94.809				
Zn	66	92.715				
> Ge	72		99.157			
As	75	104.679				
Se	77					
Se	82	108.932				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	102.944				
Cd	114	94.876				
> In	115		99.207			
Sn	118					
Sb	123	107.699				
Ba	135	105.438				
Ce	140					
> Tb	159		99.391			
Ho	165					
Tl	203	107.159				
Tl	205					
Pb	206					
Pb	207					
Pb	208	90.844				
U	238	99.455				
> Bi	209		100.126			

Sample ID: QC Std 3
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
Report Date/Time: Wednesday, April 06, 2011 16:40:44
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Wednesday, April 06, 2011 16:45:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22091.164	-0.00				ug/L
|	Be	9	14.667	-0.00	0.0115	0.005	42.495	ug/L
|	Al	27	23841395.392	143.18	4355.0885	76.206	1.750	ug/L
⌊>	Sc	45	166525.686	166525.69				ug/L
⌈	Ti	49	55284.586	0.18	95.1564	0.762	0.800	ug/L
|	V	51	2441.152	-0.00	-0.0115	0.021	187.633	ug/L
|	Cr	52	9317.432	0.00	0.1036	0.005	4.512	ug/L
|	Cr	53	973.478	0.00	0.8601	0.060	7.026	ug/L
|	Mn	55	3283.905	0.01	0.2269	0.004	1.979	ug/L
|	Co	59	1814.516	0.01	0.1919	0.004	1.981	ug/L
|	Ni	60	939.054	0.00	0.4573	0.028	6.093	ug/L
|	Cu	65	714.033	0.00	0.2346	0.010	4.252	ug/L
|	Zn	66	2269.614	0.00	0.3336	0.025	7.619	ug/L
|>	Ge	72	305500.377	305500.38				ug/L
|	As	75	-233.051	-0.00	-0.0420	0.075	177.356	ug/L
|	Se	77	135.334	0.00	0.7247	0.276	38.025	ug/L
|	Se	82	-3.922	0.00	-0.0839	0.054	64.682	ug/L
⌊	Rb	85	2059.233	0.01				mg/L
	Y	89	226935.555	-25191.69				ug/L
	Rh	103	23.000	11.00				ug/L
⌈	Mo	98	318681.991	1.00	104.8324	1.004	0.958	ug/L
|	Ag	107	97.001	0.00	0.0044	0.002	44.108	ug/L
|	Cd	114	32.681	0.00	0.0190	0.025	133.866	ug/L
|>	In	115	317065.102	317065.10				ug/L
|	Sn	118	190.802	0.00	-0.0342	0.002	6.183	ug/L
⌊	Sb	123	219.618	0.00	0.0567	0.001	0.977	ug/L
⌈	Ba	135	64.001	0.00	0.0275	0.004	15.284	ug/L
|	Ce	140	253.362	0.00				ug/L
⌊>	Tb	159	448434.967	448434.97				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	42.334	0.00	0.0062	0.002	32.159	ug/L
|	Tl	205	63.340	0.00	0.0034	0.001	27.779	ug/L
|	Pb	206	474.349	0.00	-0.0310	0.001	3.659	ug/L
|	Pb	207	409.346	0.00	-0.0279	0.004	13.056	ug/L
|	Pb	208	1916.092	0.00	-0.0284	0.003	9.361	ug/L
|	U	238	48.667	0.00	0.0047	0.000	1.061	ug/L
⌊>	Bi	209	434410.311	434410.31				ug/L

Sample ID: QC Std 4
Report Date/Time: Wednesday, April 06, 2011 16:47:52
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Na	23	59983985.676	360.12	12.5520	0.146	1.165	mg/L	
Mg	24	15604801.415	93.77	4.8881	0.205	4.188	mg/L	
K	39	32857884.117	195.44	4.9366	0.112	2.275	mg/L	
Ca	43	238972.183	1.43	14.6042	0.545	3.731	mg/L	
Fe	54	7003939.505	41.82	13.0707	0.492	3.768	mg/L	
Fe	57	2976324.918	17.84	13.2765	0.269	2.026	mg/L	
> Sc-1	45	166525.686	166525.69				mg/L	
Cl	35	1577205.194	1564611.27				mg/L	
Kr	83	67.668	-1.33				mg/L	
Br	81	8220.046	-362.30				mg/L	
P	31	1495038.526	1485230.38				mg/L	
S	34	285524.993	153446.40				mg/L	
Sr	88	9782.428	9712.42				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.633			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.711			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.541			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.702			

Sample ID: QC Std 4
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
Report Date/Time: Wednesday, April 06, 2011 16:47:52
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Wednesday, April 06, 2011 16:52:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23744.838	0.01				ug/L
|	Be	9	33581.636	0.21	108.9268	1.648	1.513	ug/L
|	Al	27	22296562.157	136.67	4157.1164	159.425	3.835	ug/L
⌊>	Sc	45	163170.566	163170.57				ug/L
⌈	Ti	49	52459.158	0.19	100.7692	2.246	2.229	ug/L
|	V	51	796701.164	2.90	96.8882	1.485	1.533	ug/L
|	Cr	52	711019.046	2.57	101.2505	0.171	0.169	ug/L
|	Cr	53	123109.272	0.45	153.3119	6.637	4.329	ug/L
|	Mn	55	1117120.208	4.08	103.0214	1.305	1.267	ug/L
|	Co	59	871152.228	3.18	103.7379	2.091	2.015	ug/L
|	Ni	60	184054.944	0.67	106.5441	0.767	0.720	ug/L
|	Cu	65	180520.459	0.66	103.1142	1.249	1.211	ug/L
|	Zn	66	113344.567	0.41	107.1737	0.793	0.740	ug/L
|>	Ge	72	273778.065	273778.07				ug/L
|	As	75	91862.898	0.34	96.9160	0.309	0.318	ug/L
|	Se	77	10241.909	0.04	131.4966	0.968	0.736	ug/L
|	Se	82	9321.575	0.03	95.5673	1.123	1.175	ug/L
⌊	Rb	85	1720.832	0.01				mg/L
	Y	89	194767.758	-57359.49				ug/L
	Rh	103	54.001	42.00				ug/L
⌈	Mo	98	272963.595	0.98	102.2345	1.451	1.419	ug/L
|	Ag	107	551998.983	1.98	99.4360	0.948	0.953	ug/L
|	Cd	114	113217.513	0.41	101.8333	1.961	1.926	ug/L
|>	In	115	278514.494	278514.49				ug/L
|	Sn	118	614.286	0.00	0.0787	0.019	24.364	ug/L
⌊	Sb	123	339512.860	1.22	101.7815	1.421	1.396	ug/L
⌈	Ba	135	147589.294	0.34	92.3061	0.747	0.809	ug/L
|	Ce	140	223.358	0.00				ug/L
⌊>	Tb	159	428595.842	428595.84				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	893926.392	2.05	99.4298	0.712	0.716	ug/L
|	Tl	205	2240841.577	5.15	100.3903	0.690	0.687	ug/L
|	Pb	206	758252.643	1.74	102.8617	0.727	0.707	ug/L
|	Pb	207	673266.403	1.55	96.8497	0.825	0.852	ug/L
|	Pb	208	3130644.567	7.19	101.2594	0.784	0.774	ug/L
|	U	238	5409396.147	12.43	104.2241	1.325	1.271	ug/L
⌊>	Bi	209	435229.496	435229.50				ug/L

Sample ID: QC Std 5
Report Date/Time: Wednesday, April 06, 2011 16:55:01
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Na	23	53323069.034	326.73	11.3873	0.206	1.811	mg/L	
Mg	24	14403240.157	88.27	4.6012	0.039	0.858	mg/L	
K	39	32412909.207	196.73	4.9694	0.130	2.613	mg/L	
Ca	43	230038.581	1.41	14.3395	0.219	1.527	mg/L	
Fe	54	6425599.284	39.12	12.2267	0.164	1.345	mg/L	
Fe	57	2801903.173	17.13	12.7513	0.170	1.332	mg/L	
> Sc-1	45	163170.566	163170.57				mg/L	
Cl	35	61734081.426	61721487.50				mg/L	
Kr	83	68.001	-1.00				mg/L	
Br	81	9958.965	1376.62				mg/L	
P	31	1364396.523	1354588.38				mg/L	
S	34	266058.243	133979.65				mg/L	
Sr	88	8427.731	8357.72				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	96.888				
Cr	52	101.250				
Cr	53					
Mn	55	103.021				
Co	59	103.738				
Ni	60	106.544				
Cu	65	103.114				
Zn	66	107.174				
> Ge	72		85.703			
As	75	96.916				
Se	77					
Se	82	95.567				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.436				
Cd	114	101.833				
> In	115		81.439			
Sn	118					
Sb	123	101.781				
Ba	135	92.306				
Ce	140					
> Tb	159		90.359			
Ho	165					
Tl	203	99.430				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.259				
U	238	104.224				
> Bi	209		96.884			

Sample ID: QC Std 5
Report Date/Time: Wednesday, April 06, 2011 16:55:01

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
Report Date/Time: Wednesday, April 06, 2011 16:55:01
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 16:59:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.835	-0.01				ug/L
|	Be	9	16813.459	0.09	49.8028	1.562	3.136	ug/L
|	Al	27	282058.988	1.57	47.6101	2.011	4.225	ug/L
|>	Sc	45	178682.890	178682.89				ug/L
⌈	Ti	49	56075.722	0.19	97.8821	1.778	1.817	ug/L
|	V	51	446958.494	1.47	49.2639	1.246	2.530	ug/L
|	Cr	52	384395.437	1.25	49.1882	0.792	1.610	ug/L
|	Cr	53	48368.209	0.16	54.5732	0.732	1.341	ug/L
|	Mn	55	594741.714	1.97	49.8176	0.749	1.503	ug/L
|	Co	59	462284.028	1.53	50.0199	0.264	0.527	ug/L
|	Ni	60	97164.179	0.32	51.0947	0.837	1.637	ug/L
|	Cu	65	97157.339	0.32	50.3725	0.674	1.338	ug/L
|	Zn	66	60327.695	0.19	51.0016	0.209	0.411	ug/L
|>	Ge	72	301273.428	301273.43				ug/L
|	As	75	51587.058	0.17	49.5434	0.109	0.219	ug/L
|	Se	77	4449.656	0.01	51.4064	0.502	0.977	ug/L
|	Se	82	5408.391	0.02	50.3613	0.909	1.806	ug/L
⌊	Rb	85	2147.919	0.01				mg/L
	Y	89	230980.091	-21147.15				ug/L
	Rh	103	37.667	25.67				ug/L
⌈	Mo	98	311377.502	0.98	102.1457	0.322	0.315	ug/L
|	Ag	107	315568.552	0.99	49.7895	0.503	1.010	ug/L
|	Cd	114	63673.914	0.20	50.1703	1.011	2.016	ug/L
|>	In	115	317940.508	317940.51				ug/L
|	Sn	118	227715.602	0.72	50.2542	0.282	0.561	ug/L
⌊	Sb	123	190077.184	0.60	49.9093	0.177	0.354	ug/L
⌈	Ba	135	83519.549	0.19	49.7197	0.982	1.975	ug/L
|	Ce	140	46.671	0.00				ug/L
|>	Tb	159	450250.586	450250.59				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	451179.095	1.02	49.5778	0.855	1.724	ug/L
|	Tl	205	1105417.377	2.51	48.9213	0.993	2.029	ug/L
|	Pb	206	366821.960	0.83	49.1122	1.078	2.194	ug/L
|	Pb	207	346625.531	0.79	49.2182	1.173	2.383	ug/L
|	Pb	208	1537926.908	3.49	49.0960	0.858	1.747	ug/L
|	U	238	2652445.069	6.02	50.4883	0.700	1.387	ug/L
|>	Bi	209	440625.599	440625.60				ug/L

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:02:08
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Na	23	24466329.186	136.84	4.7643	0.111	2.323	mg/L	
Mg	24	16604928.604	92.98	4.8466	0.157	3.238	mg/L	
K	39	34768934.255	192.70	4.8674	0.094	1.922	mg/L	
Ca	43	85556.572	0.48	4.8583	0.119	2.456	mg/L	
Fe	54	2814910.731	15.50	4.8425	0.164	3.395	mg/L	
Fe	57	1182911.968	6.59	4.8986	0.162	3.314	mg/L	
> Sc-1	45	178682.890	178682.89				mg/L	
Cl	35	42987.018	30393.09				mg/L	
Kr	83	56.334	-12.67				mg/L	
Br	81	7813.718	-768.63				mg/L	
P	31	8753.169	-1054.98				mg/L	
S	34	144137.896	12059.30				mg/L	
Sr	88	2283.823	2213.82				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	98.528				
Cr	52	98.376				
Cr	53					
Mn	55	99.635				
Co	59	100.040				
Ni	60	102.189				
Cu	65	100.745				
Zn	66	102.003				
> Ge	72		94.310			
As	75	99.087				
Se	77					
Se	82	100.723				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.579				
Cd	114	100.341				
> In	115		92.967			
Sn	118					
Sb	123	99.819				
Ba	135	99.439				
Ce	140					
> Tb	159		94.924			
Ho	165					
Tl	203	99.156				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.192				
U	238	100.977				
> Bi	209		98.086			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:02:08

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:02:08
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 17:07:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21673.473	-0.01				ug/L
|	Be	9	12.667	-0.00	0.0032	0.021	649.692	ug/L
|	Al	27	1933.521	-0.00	-0.0911	0.037	40.104	ug/L
⌊>	Sc	45	176630.512	176630.51				ug/L
⌈	Ti	49	86.676	0.00	0.1225	0.010	8.073	ug/L
|	V	51	2223.432	-0.00	-0.0370	0.015	39.644	ug/L
|	Cr	52	8863.349	0.00	0.0368	0.013	34.492	ug/L
|	Cr	53	2140.444	0.01	2.1476	0.196	9.107	ug/L
|	Mn	55	373.344	0.00	-0.0139	0.002	16.466	ug/L
|	Co	59	67.668	0.00	0.0055	0.001	13.574	ug/L
|	Ni	60	43.334	0.00	-0.0078	0.007	86.916	ug/L
|	Cu	65	189.337	0.00	-0.0351	0.006	15.724	ug/L
|	Zn	66	1609.479	-0.00	-0.2441	0.020	8.218	ug/L
|>	Ge	72	307704.856	307704.86				ug/L
|	As	75	-204.845	0.00	-0.0143	0.038	266.151	ug/L
|	Se	77	96.667	0.00	0.2686	0.226	84.241	ug/L
|	Se	82	-5.928	-0.00	-0.1023	0.092	89.481	ug/L
⌊	Rb	85	29.334	0.00				mg/L
	Y	89	240184.174	-11943.07				ug/L
	Rh	103	17.000	5.00				ug/L
⌈	Mo	98	165.208	0.00	0.0198	0.006	30.538	ug/L
|	Ag	107	46.334	0.00	-0.0038	0.001	21.937	ug/L
|	Cd	114	-1.226	0.00	-0.0077	0.001	12.511	ug/L
|>	In	115	327201.394	327201.39				ug/L
|	Sn	118	273.204	0.00	-0.0178	0.003	14.886	ug/L
⌊	Sb	123	210.114	0.00	0.0525	0.008	15.331	ug/L
⌈	Ba	135	22.000	-0.00	0.0022	0.002	101.799	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	454257.069	454257.07				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	152.669	0.00	0.0179	0.002	13.341	ug/L
|	Tl	205	383.379	0.00	0.0172	0.003	19.568	ug/L
|	Pb	206	377.344	0.00	-0.0460	0.003	5.724	ug/L
|	Pb	207	366.677	0.00	-0.0359	0.005	13.922	ug/L
|	Pb	208	1586.065	0.00	-0.0409	0.002	4.514	ug/L
|	U	238	218.338	0.00	0.0078	0.001	10.360	ug/L
⌊>	Bi	209	450048.713	450048.71				ug/L

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:09:13
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Erin D. Long

Na	23	16919.337	0.01	-0.0079	0.000	1.350	mg/L	
Mg	24	1113.508	0.00	-0.0038	0.000	1.219	mg/L	
K	39	322800.465	-0.12	-0.0072	0.001	20.157	mg/L	
Ca	43	206.690	0.00	-0.0053	0.005	97.385	mg/L	
Fe	54	42368.094	-0.02	-0.0063	0.004	68.191	mg/L	
Fe	57	5982.389	-0.00	-0.0067	0.000	4.015	mg/L	
> Sc-1	45	176630.512	176630.51				mg/L	
Cl	35	24920.357	12326.43				mg/L	
Kr	83	68.334	-0.67				mg/L	
Br	81	7915.802	-666.55				mg/L	
P	31	8158.668	-1649.48				mg/L	
S	34	133015.058	936.46				mg/L	
Sr	88	83.342	13.33				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.323			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.675			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.769			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.183			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:09:13
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:09:13
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Data not used from 17:14 through 17:35, due to noncompliant results for As.

Method 6020 - Summary Report

Sample ID: L1104003807

Sample Date/Time: Wednesday, April 06, 2011 17:14:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 40
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21924.017	-0.01				ug/L
|	Be	9	15.333	-0.00	0.0106	0.021	195.004	ug/L
|	Al	27	15445.278	0.08	2.2572	0.060	2.645	ug/L
⌊>	Sc	45	175104.651	175104.65				ug/L
⌈	Ti	49	43.338	-0.00	0.0459	0.058	126.235	ug/L
|	V	51	4537.248	0.01	0.1960	0.004	2.178	ug/L
|	Cr	52	10476.257	0.00	0.1939	0.006	3.291	ug/L
|	Cr	53	1566.946	0.00	1.4474	0.107	7.385	ug/L
|	Mn	55	9075.541	0.03	0.6730	0.016	2.431	ug/L
|	Co	59	261.673	0.00	0.0250	0.000	1.990	ug/L
|	Ni	60	996.393	0.00	0.4645	0.028	5.926	ug/L
|	Cu	65	196.004	0.00	-0.0354	0.003	8.797	ug/L
|	Zn	66	2859.437	0.00	0.7335	0.054	7.421	ug/L
|>	Ge	72	319475.613	319475.61				ug/L
|	As	75	-494.048	-0.00	-0.2681	0.050	18.696	ug/L
|	Se	77	95.334	0.00	0.2139	0.094	44.145	ug/L
|	Se	82	-131.465	-0.00	-1.2030	0.160	13.337	ug/L
⌊	Rb	85	238.005	0.00				mg/L
	Y	89	249061.829	-3065.41				ug/L
	Rh	103	167.336	155.34				ug/L
⌈	Mo	98	256.617	0.00	0.0464	0.006	13.182	ug/L
|	Ag	107	38.667	0.00	-0.0052	0.000	9.262	ug/L
|	Cd	114	-0.844	0.00	-0.0074	0.009	127.909	ug/L
|>	In	115	337482.737	337482.74				ug/L
|	Sn	118	236.669	0.00	-0.0272	0.002	8.189	ug/L
⌊	Sb	123	174.824	0.00	0.0421	0.003	7.317	ug/L
⌈	Ba	135	4521.734	0.01	2.5684	0.060	2.351	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	470082.344	470082.34				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	104.002	0.00	0.0127	0.001	5.478	ug/L
|	Tl	205	236.693	0.00	0.0108	0.001	10.158	ug/L
|	Pb	206	432.680	0.00	-0.0386	0.004	9.982	ug/L
|	Pb	207	377.678	0.00	-0.0344	0.001	3.652	ug/L
|	Pb	208	1832.087	0.00	-0.0331	0.001	4.065	ug/L
|	U	238	3837.442	0.01	0.0753	0.002	3.021	ug/L
⌊>	Bi	209	449715.238	449715.24				ug/L

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Erin D. Long

Na	23	7968547.492	45.43	1.5761	0.027	1.706	mg/L	
Mg	24	843151.889	4.81	0.2471	0.000	0.130	mg/L	
K	39	380397.760	0.23	0.0015	0.002	111.028	mg/L	
Ca	43	265555.107	1.52	15.4275	0.120	0.776	mg/L	
Fe	54	54888.431	0.05	0.0167	0.005	27.301	mg/L	
Fe	57	14815.839	0.05	0.0312	0.007	22.710	mg/L	
> Sc-1	45	175104.651	175104.65				mg/L	
Cl	35	23687.357	11093.43				mg/L	
Kr	83	244.672	175.67				mg/L	
Br	81	10178.513	1596.16				mg/L	
P	31	10866.573	1058.43				mg/L	
S	34	147167.873	15089.28				mg/L	
Sr	88	5023173.639	5023103.63				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		100.008			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		98.681			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.105			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.109			

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┌	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Se 82 Lower	Se	82	

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Method 6020 - Summary Report

Sample ID: L1104003808

Sample Date/Time: Wednesday, April 06, 2011 17:21:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 41
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21723.614	-0.01				ug/L
|	Be	9	14.000	-0.00	0.0064	0.017	262.913	ug/L
|	Al	27	15662.347	0.07	2.2216	0.168	7.549	ug/L
|>	Sc	45	179718.982	179718.98				ug/L
⌈	Ti	49	56.672	0.00	0.0671	0.009	13.915	ug/L
|	V	51	4540.058	0.01	0.1936	0.016	8.344	ug/L
|	Cr	52	10715.512	0.00	0.2160	0.009	4.177	ug/L
|	Cr	53	1313.552	0.00	1.1680	0.166	14.244	ug/L
|	Mn	55	8852.677	0.03	0.6513	0.029	4.420	ug/L
|	Co	59	245.005	0.00	0.0231	0.003	11.995	ug/L
|	Ni	60	910.384	0.00	0.4191	0.027	6.474	ug/L
|	Cu	65	208.338	0.00	-0.0299	0.008	27.619	ug/L
|	Zn	66	3381.272	0.01	1.1469	0.063	5.452	ug/L
|>	Ge	72	321279.954	321279.95				ug/L
|	As	75	-502.514	-0.00	-0.2733	0.039	14.392	ug/L
|	Se	77	104.667	0.00	0.3103	0.087	28.177	ug/L
|	Se	82	-137.439	-0.00	-1.2493	0.131	10.461	ug/L
⌊	Rb	85	245.339	0.00				mg/L
	Y	89	248805.371	-3321.87				ug/L
	Rh	103	155.003	143.00				ug/L
⌈	Mo	98	202.168	0.00	0.0304	0.007	23.721	ug/L
|	Ag	107	31.667	0.00	-0.0061	0.001	9.811	ug/L
|	Cd	114	-3.904	-0.00	-0.0097	0.004	36.798	ug/L
|>	In	115	333054.957	333054.96				ug/L
|	Sn	118	219.869	0.00	-0.0301	0.001	4.553	ug/L
⌊	Sb	123	124.867	0.00	0.0302	0.003	8.923	ug/L
⌈	Ba	135	4289.297	0.01	2.4543	0.095	3.865	ug/L
|	Ce	140	80.008	0.00				ug/L
|>	Tb	159	466491.299	466491.30				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	76.668	0.00	0.0098	0.002	15.471	ug/L
|	Tl	205	203.356	0.00	0.0095	0.001	11.396	ug/L
|	Pb	206	439.014	0.00	-0.0374	0.001	1.688	ug/L
|	Pb	207	400.012	0.00	-0.0307	0.004	13.863	ug/L
|	Pb	208	1812.083	0.00	-0.0333	0.001	1.518	ug/L
|	U	238	3741.070	0.01	0.0741	0.001	1.275	ug/L
|>	Bi	209	446091.808	446091.81				ug/L

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Na	23	7449698.906	41.38	1.4349	0.016	1.145	mg/L
Mg	24	805270.253	4.48	0.2298	0.008	3.524	mg/L
K	39	379418.158	0.17	0.0000	0.002	30573.798	mg/L
Ca	43	247894.669	1.38	14.0285	0.484	3.453	mg/L
Fe	54	52894.035	0.03	0.0107	0.002	19.188	mg/L
Fe	57	13730.863	0.04	0.0251	0.008	30.131	mg/L
> Sc-1	45	179718.982	179718.98				mg/L
Cl	35	104984.982	92391.06				mg/L
Kr	83	241.672	172.67				mg/L
Br	81	9815.482	1233.13				mg/L
P	31	10532.883	724.74				mg/L
S	34	145703.260	13624.66				mg/L
Sr	88	4783439.268	4783369.26				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		100.573			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		97.386			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.348			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.303			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Se 82 Lower	Se	82	

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Method 6020 - Summary Report

Sample ID: L1104003809

Sample Date/Time: Wednesday, April 06, 2011 17:28:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22107.764	0.00				ug/L
|	Be	9	16.000	-0.00	0.0176	0.012	66.243	ug/L
|	Al	27	16096.414	0.09	2.6216	0.350	13.338	ug/L
⌊>	Sc	45	160665.544	160665.54				ug/L
⌈	Ti	49	63.340	0.00	0.0806	0.043	53.007	ug/L
|	V	51	4432.975	0.01	0.1936	0.012	6.132	ug/L
|	Cr	52	10448.897	0.00	0.2143	0.032	15.067	ug/L
|	Cr	53	876.793	0.00	0.7262	0.104	14.311	ug/L
|	Mn	55	2195.263	0.01	0.1322	0.002	1.189	ug/L
|	Co	59	239.672	0.00	0.0232	0.001	5.981	ug/L
|	Ni	60	941.720	0.00	0.4458	0.013	2.813	ug/L
|	Cu	65	165.336	-0.00	-0.0490	0.012	23.572	ug/L
|	Zn	66	2908.452	0.00	0.8177	0.032	3.964	ug/L
|>	Ge	72	313681.365	313681.37				ug/L
|	As	75	-707.411	-0.00	-0.4721	0.128	27.135	ug/L
|	Se	77	75.334	-0.00	0.0075	0.130	1733.059	ug/L
|	Se	82	-206.879	-0.00	-1.8985	0.482	25.376	ug/L
⌊	Rb	85	253.339	0.00				mg/L
	Y	89	240771.379	-11355.86				ug/L
	Rh	103	154.003	142.00				ug/L
⌈	Mo	98	202.912	0.00	0.0331	0.002	5.927	ug/L
|	Ag	107	29.334	0.00	-0.0063	0.000	5.474	ug/L
|	Cd	114	-2.872	0.00	-0.0090	0.001	16.542	ug/L
|>	In	115	320520.292	320520.29				ug/L
|	Sn	118	193.602	0.00	-0.0340	0.003	9.374	ug/L
⌊	Sb	123	106.736	0.00	0.0267	0.001	5.200	ug/L
⌈	Ba	135	6595.575	0.01	3.8070	0.106	2.775	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	463089.263	463089.26				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	56.667	0.00	0.0077	0.001	9.166	ug/L
|	Tl	205	116.679	0.00	0.0058	0.001	25.547	ug/L
|	Pb	206	419.680	0.00	-0.0391	0.003	8.539	ug/L
|	Pb	207	373.344	0.00	-0.0338	0.002	6.060	ug/L
|	Pb	208	1673.405	0.00	-0.0369	0.002	4.301	ug/L
|	U	238	2904.451	0.01	0.0591	0.001	2.012	ug/L
⌊>	Bi	209	439613.031	439613.03				ug/L

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Erin D. Long

Na	23	7533255.504	46.81	1.6245	0.043	2.677	mg/L
Mg	24	530092.092	3.30	0.1681	0.002	1.300	mg/L
K	39	364966.954	0.33	0.0041	0.002	51.321	mg/L
Ca	43	247925.434	1.54	15.6970	0.462	2.944	mg/L
Fe	54	52804.376	0.07	0.0215	0.004	17.129	mg/L
Fe	57	12986.407	0.04	0.0283	0.004	13.015	mg/L
> Sc-1	45	160665.544	160665.54				mg/L
Cl	35	21863.216	9269.29				mg/L
Kr	83	330.342	261.34				mg/L
Br	81	9146.185	563.84				mg/L
P	31	11361.785	1553.64				mg/L
S	34	136753.570	4674.97				mg/L
Sr	88	5089239.498	5089169.49				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.194			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		93.721			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		97.631			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.860			

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⌜	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌞>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
As 75 Lower	As	75	
Se 82 Lower	Se	82	

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Method 6020 - Summary Report

Sample ID: L1104003810

Sample Date/Time: Wednesday, April 06, 2011 17:35:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 43
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21489.759	-0.00				ug/L
|	Be	9	14.667	-0.00	0.0111	0.003	27.705	ug/L
|	Al	27	14560.657	0.07	2.2142	0.196	8.832	ug/L
⌊>	Sc	45	167678.232	167678.23				ug/L
⌈	Ti	49	70.007	0.00	0.0926	0.029	31.495	ug/L
|	V	51	4080.314	0.00	0.1596	0.005	3.440	ug/L
|	Cr	52	10025.124	0.00	0.1714	0.028	16.323	ug/L
|	Cr	53	736.768	0.00	0.5810	0.096	16.522	ug/L
|	Mn	55	2719.064	0.01	0.1761	0.004	2.164	ug/L
|	Co	59	231.005	0.00	0.0225	0.002	9.422	ug/L
|	Ni	60	925.386	0.00	0.4413	0.033	7.461	ug/L
|	Cu	65	257.673	0.00	-0.0018	0.010	576.476	ug/L
|	Zn	66	3706.724	0.01	1.5120	0.079	5.227	ug/L
|>	Ge	72	311150.720	311150.72				ug/L
|	As	75	-640.245	-0.00	-0.4153	0.083	19.877	ug/L
|	Se	77	84.667	0.00	0.1205	0.045	37.460	ug/L
|	Se	82	-165.788	-0.00	-1.5433	0.305	19.787	ug/L
⌊	Rb	85	232.005	0.00				mg/L
	Y	89	237791.329	-14335.91				ug/L
	Rh	103	148.669	136.67				ug/L
⌈	Mo	98	208.584	0.00	0.0342	0.003	7.486	ug/L
|	Ag	107	31.667	0.00	-0.0060	0.000	5.598	ug/L
|	Cd	114	-1.005	0.00	-0.0075	0.004	56.870	ug/L
|>	In	115	324527.667	324527.67				ug/L
|	Sn	118	181.868	0.00	-0.0371	0.001	2.525	ug/L
⌊	Sb	123	94.736	0.00	0.0233	0.003	13.056	ug/L
⌈	Ba	135	6473.493	0.01	3.7140	0.042	1.134	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	465915.242	465915.24				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	56.001	0.00	0.0076	0.001	14.196	ug/L
|	Tl	205	83.342	0.00	0.0042	0.001	26.432	ug/L
|	Pb	206	452.015	0.00	-0.0354	0.004	12.216	ug/L
|	Pb	207	419.346	0.00	-0.0279	0.005	18.372	ug/L
|	Pb	208	1838.418	0.00	-0.0322	0.001	3.337	ug/L
|	U	238	2881.111	0.01	0.0581	0.001	1.823	ug/L
⌊>	Bi	209	444505.992	444505.99				ug/L

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Na	23	6960164.927	41.44	1.4370	0.076	5.260	mg/L	
Mg	24	491721.238	2.93	0.1490	0.008	5.046	mg/L	
K	39	385279.957	0.36	0.0047	0.002	40.876	mg/L	
Ca	43	233316.951	1.39	14.1469	0.218	1.543	mg/L	
Fe	54	52199.652	0.05	0.0160	0.003	16.913	mg/L	
Fe	57	14401.871	0.05	0.0322	0.008	26.038	mg/L	
> Sc-1	45	167678.232	167678.23				mg/L	
Cl	35	18243.299	5649.37				mg/L	
Kr	83	281.673	212.67				mg/L	
Br	81	9029.408	447.06				mg/L	
P	31	11172.375	1364.23				mg/L	
S	34	150689.811	18611.21				mg/L	
Sr	88	4746476.267	4746406.26				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.402			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.893			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.227			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.949			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
As 75 Lower	As	75	
Se 82 Lower	Se	82	

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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 17:42:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21623.385	0.01				ug/L
|	Be	9	16604.441	0.11	57.5061	1.774	3.085	ug/L
|	Al	27	266744.819	1.73	52.7037	2.526	4.793	ug/L
⌊>	Sc	45	152877.181	152877.18				ug/L
⌈	Ti	49	52234.700	0.17	89.2598	3.100	3.473	ug/L
|	V	51	430144.872	1.39	46.3947	0.469	1.011	ug/L
|	Cr	52	379875.996	1.21	47.5531	0.704	1.481	ug/L
|	Cr	53	45728.898	0.15	50.5027	1.222	2.420	ug/L
|	Mn	55	583870.825	1.90	47.8819	1.133	2.367	ug/L
|	Co	59	459328.924	1.49	48.6596	0.808	1.661	ug/L
|	Ni	60	96634.344	0.31	49.7548	1.085	2.180	ug/L
|	Cu	65	95951.794	0.31	48.6983	0.802	1.647	ug/L
|	Zn	66	59401.836	0.19	49.1056	0.246	0.502	ug/L
| >	Ge	72	307742.202	307742.20				ug/L
|	As	75	53565.569	0.17	50.3632	0.564	1.120	ug/L
|	Se	77	4485.006	0.01	50.7264	1.991	3.926	ug/L
|	Se	82	5712.220	0.02	52.0741	0.431	0.828	ug/L
⌊	Rb	85	2181.927	0.01				mg/L
	Y	89	230393.275	-21733.97				ug/L
	Rh	103	37.000	25.00				ug/L
⌈	Mo	98	315451.209	1.00	104.4782	0.694	0.665	ug/L
|	Ag	107	317347.842	1.01	50.5527	0.885	1.750	ug/L
|	Cd	114	63046.152	0.20	50.1579	0.921	1.836	ug/L
| >	In	115	314923.045	314923.05				ug/L
|	Sn	118	227520.310	0.72	50.6960	0.702	1.385	ug/L
⌊	Sb	123	192321.115	0.61	50.9851	0.637	1.249	ug/L
⌈	Ba	135	80821.434	0.18	48.2158	0.327	0.679	ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	449268.592	449268.59				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	441111.369	1.02	49.3484	0.661	1.340	ug/L
|	Tl	205	1112597.802	2.57	50.1321	0.764	1.524	ug/L
|	Pb	206	358829.919	0.83	48.9083	0.330	0.675	ug/L
|	Pb	207	338419.872	0.78	48.9215	0.851	1.740	ug/L
|	Pb	208	1513254.669	3.49	49.1831	0.649	1.319	ug/L
|	U	238	2575121.651	5.95	49.9061	0.409	0.821	ug/L
⌊>	Bi	209	432726.628	432726.63				ug/L

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Na	23	22482986.695	147.09	5.1218	0.190	3.702	mg/L	
Mg	24	15166717.533	99.26	5.1743	0.127	2.447	mg/L	
K	39	31693142.775	205.50	5.1910	0.163	3.147	mg/L	
Ca	43	78511.602	0.51	5.2152	0.191	3.665	mg/L	
Fe	54	2782309.224	17.95	5.6098	0.172	3.069	mg/L	
Fe	57	1172676.112	7.64	5.6837	0.274	4.826	mg/L	
> Sc-1	45	152877.181	152877.18				mg/L	
Cl	35	16070.236	3476.31				mg/L	
Kr	83	57.667	-11.33				mg/L	
Br	81	8202.031	-380.32				mg/L	
P	31	7865.772	-1942.38				mg/L	
S	34	148543.251	16464.66				mg/L	
Sr	88	2390.526	2320.52				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	92.789				
Cr	52	95.106				
Cr	53					
Mn	55	95.764				
Co	59	97.319				
Ni	60	99.510				
Cu	65	97.397				
Zn	66	98.211				
> Ge	72		96.335			
As	75	100.726				
Se	77					
Se	82	104.148				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.105				
Cd	114	100.316				
> In	115		92.085			
Sn	118					
Sb	123	101.970				
Ba	135	96.432				
Ce	140					
> Tb	159		94.717			
Ho	165					
Tl	203	98.697				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.366				
U	238	99.812				
> Bi	209		96.327			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:44:51

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 17:49:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24028.867	0.01				ug/L
|	Be	9	15.333	-0.00	0.0145	0.005	34.652	ug/L
|	Al	27	1566.789	-0.00	-0.1333	0.004	2.667	ug/L
⌊>	Sc	45	163543.860	163543.86				ug/L
⌈	Ti	49	46.671	-0.00	0.0549	0.011	19.415	ug/L
|	V	51	2561.515	-0.00	0.0023	0.003	132.952	ug/L
|	Cr	52	8450.320	-0.00	-0.0059	0.010	164.460	ug/L
|	Cr	53	590.077	0.00	0.4325	0.128	29.686	ug/L
|	Mn	55	368.010	0.00	-0.0141	0.001	7.437	ug/L
|	Co	59	65.668	0.00	0.0053	0.000	8.956	ug/L
|	Ni	60	43.667	0.00	-0.0073	0.004	56.100	ug/L
|	Cu	65	190.337	0.00	-0.0337	0.005	13.775	ug/L
|	Zn	66	1468.789	-0.00	-0.3526	0.007	2.125	ug/L
|>	Ge	72	304851.902	304851.90				ug/L
|	As	75	-142.870	0.00	0.0425	0.069	162.003	ug/L
|	Se	77	66.667	-0.00	-0.0690	0.104	151.280	ug/L
|	Se	82	1.484	0.00	-0.0341	0.082	240.844	ug/L
⌊	Rb	85	23.000	-0.00				mg/L
	Y	89	235587.177	-16540.07				ug/L
	Rh	103	17.667	5.67				ug/L
⌈	Mo	98	148.765	0.00	0.0162	0.007	43.364	ug/L
|	Ag	107	34.000	0.00	-0.0055	0.001	20.431	ug/L
|	Cd	114	-5.260	-0.00	-0.0109	0.003	25.485	ug/L
|>	In	115	316244.528	316244.53				ug/L
|	Sn	118	297.071	0.00	-0.0104	0.007	68.748	ug/L
⌊	Sb	123	64.863	0.00	0.0160	0.002	11.746	ug/L
⌈	Ba	135	29.334	0.00	0.0064	0.002	28.084	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	456542.663	456542.66				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	55.001	0.00	0.0075	0.001	12.900	ug/L
|	Tl	205	113.345	0.00	0.0056	0.001	17.250	ug/L
|	Pb	206	378.344	0.00	-0.0448	0.002	3.560	ug/L
|	Pb	207	343.009	0.00	-0.0382	0.002	4.875	ug/L
|	Pb	208	1525.061	0.00	-0.0417	0.001	1.977	ug/L
|	U	238	165.336	0.00	0.0069	0.001	11.298	ug/L
⌊>	Bi	209	440498.242	440498.24				ug/L

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Na	23	14722.333	0.01	-0.0081	0.000	3.637	mg/L
Mg	24	786.777	0.00	-0.0038	0.000	1.715	mg/L
K	39	320215.537	0.02	-0.0039	0.002	55.571	mg/L
Ca	43	173.352	0.00	-0.0065	0.005	75.165	mg/L
Fe	54	40843.177	-0.01	-0.0032	0.005	142.176	mg/L
Fe	57	6172.535	-0.00	-0.0038	0.004	93.512	mg/L
> Sc-1	45	163543.860	163543.86				mg/L
Cl	35	14338.274	1744.35				mg/L
Kr	83	59.334	-9.67				mg/L
Br	81	8290.769	-291.58				mg/L
P	31	8026.557	-1781.59				mg/L
S	34	134943.762	2865.17				mg/L
Sr	88	110.012	40.00				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.430			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.471			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.251			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.057			

Sample ID: QC Std 7
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:51:56
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: PBS A7 WG360839-02

Sample Date/Time: Wednesday, April 06, 2011 17:56:51
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 44
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.224	-0.00				ug/L
|	Be	9	8.000	-0.00	-0.0105	0.028	265.459	ug/L
|	Al	27	29694.042	0.16	4.9405	0.282	5.698	ug/L
⌊>	Sc	45	168508.593	168508.59				ug/L
⌈	Ti	49	53.339	0.00	0.0654	0.010	15.410	ug/L
|	V	51	2838.023	0.00	0.0295	0.011	36.899	ug/L
|	Cr	52	9823.589	0.00	0.1587	0.027	16.881	ug/L
|	Cr	53	546.736	0.00	0.3784	0.051	13.361	ug/L
|	Mn	55	2589.695	0.01	0.1678	0.008	4.625	ug/L
|	Co	59	75.334	0.00	0.0063	0.001	10.047	ug/L
|	Ni	60	108.335	0.00	0.0257	0.002	9.524	ug/L
|	Cu	65	309.341	0.00	0.0258	0.009	34.227	ug/L
|	Zn	66	5361.491	0.01	2.9562	0.032	1.098	ug/L
|>	Ge	72	307960.465	307960.46				ug/L
|	As	75	-176.327	0.00	0.0126	0.051	404.582	ug/L
|	Se	77	71.334	-0.00	-0.0225	0.186	824.248	ug/L
|	Se	82	3.870	0.00	-0.0126	0.043	342.119	ug/L
⌊	Rb	85	49.334	0.00				mg/L
	Y	89	241324.557	-10802.69				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	86.654	0.00	-0.0046	0.005	102.896	ug/L
|	Ag	107	28.334	0.00	-0.0065	0.001	12.477	ug/L
|	Cd	114	-1.249	0.00	-0.0077	0.005	67.632	ug/L
|>	In	115	319022.306	319022.31				ug/L
|	Sn	118	566.149	0.00	0.0482	0.004	7.291	ug/L
⌊	Sb	123	86.658	0.00	0.0216	0.001	5.943	ug/L
⌈	Ba	135	2874.109	0.01	1.6572	0.056	3.363	ug/L
|	Ce	140	120.013	0.00				ug/L
⌊>	Tb	159	461914.644	461914.64				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	44.001	0.00	0.0062	0.000	1.292	ug/L
|	Tl	205	73.341	0.00	0.0038	0.001	30.087	ug/L
|	Pb	206	439.014	0.00	-0.0377	0.002	6.421	ug/L
|	Pb	207	397.679	0.00	-0.0314	0.004	12.313	ug/L
|	Pb	208	1740.076	0.00	-0.0358	0.002	5.408	ug/L
|	U	238	88.001	0.00	0.0054	0.000	0.777	ug/L
⌊>	Bi	209	448503.790	448503.79				ug/L

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⌈	Na	23	131603.528	0.70	0.0160	0.001	5.962	mg/L
|	Mg	24	3197.498	0.02	-0.0031	0.000	0.653	mg/L
|	K	39	328725.502	0.01	-0.0041	0.001	25.094	mg/L
|	Ca	43	293.367	0.00	0.0005	0.003	601.953	mg/L
|	Fe	54	80055.588	0.22	0.0673	0.008	11.921	mg/L
|	Fe	57	7293.392	0.00	0.0003	0.002	702.802	mg/L
⌊>	Sc-1	45	168508.593	168508.59				mg/L
	Cl	35	16482.910	3888.98				mg/L
	Kr	83	53.334	-15.67				mg/L
	Br	81	8689.776	107.43				mg/L
	P	31	16000.811	6192.66				mg/L
	S	34	141594.705	9516.11				mg/L
	Sr	88	630.083	560.08				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.403			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.283			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.383			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.839			

Sample ID: PBS A7 WG360839-02
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS A7 WG360839-02
Report Date/Time: Wednesday, April 06, 2011 17:59:05
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Method 6020 - Summary Report

Sample ID: LCSS A7 WG360839-03

Sample Date/Time: Wednesday, April 06, 2011 18:04:00
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 45
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23728.151	0.00				ug/L
|	Be	9	8046.571	0.05	24.6529	2.475	10.039	ug/L
|	Al	27	155606.853	0.89	27.0730	4.198	15.506	ug/L
⌊>	Sc	45	173378.336	173378.34				ug/L
⌈	Ti	49	93.343	0.00	0.1334	0.128	95.747	ug/L
|	V	51	232814.568	0.75	24.9346	0.192	0.770	ug/L
|	Cr	52	209097.918	0.65	25.6291	0.136	0.529	ug/L
|	Cr	53	23697.099	0.08	26.0107	0.956	3.674	ug/L
|	Mn	55	317995.963	1.03	26.0054	0.432	1.663	ug/L
|	Co	59	246729.022	0.80	26.0863	0.370	1.417	ug/L
|	Ni	60	52525.115	0.17	26.9770	0.332	1.230	ug/L
|	Cu	65	52017.808	0.17	26.2897	0.412	1.566	ug/L
|	Zn	66	31851.298	0.10	25.5289	0.294	1.150	ug/L
|>	Ge	72	308313.087	308313.09				ug/L
|	As	75	25066.383	0.08	23.6178	0.293	1.239	ug/L
|	Se	77	2040.208	0.01	22.5664	0.243	1.076	ug/L
|	Se	82	2443.550	0.01	22.2086	0.369	1.662	ug/L
⌊	Rb	85	68.001	0.00				mg/L
	Y	89	237896.868	-14230.38				ug/L
	Rh	103	23.334	11.33				ug/L
⌈	Mo	98	80.174	0.00	-0.0071	0.003	49.531	ug/L
|	Ag	107	142359.267	0.44	22.1031	0.368	1.664	ug/L
|	Cd	114	30904.661	0.10	23.9670	0.378	1.575	ug/L
|>	In	115	323040.911	323040.91				ug/L
|	Sn	118	419.742	0.00	0.0149	0.003	21.577	ug/L
⌊	Sb	123	93590.929	0.29	24.1869	0.139	0.576	ug/L
⌈	Ba	135	43125.225	0.09	24.7036	0.357	1.444	ug/L
|	Ce	140	193.355	0.00				ug/L
⌊>	Tb	159	467805.891	467805.89				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	234473.904	0.51	24.9141	0.239	0.960	ug/L
|	Tl	205	583314.200	1.28	24.9640	0.108	0.432	ug/L
|	Pb	206	200338.217	0.44	25.8901	0.226	0.873	ug/L
|	Pb	207	178799.107	0.39	24.5044	0.111	0.452	ug/L
|	Pb	208	820029.319	1.80	25.2693	0.140	0.555	ug/L
|	U	238	1377201.425	3.02	25.3507	0.046	0.180	ug/L
⌊>	Bi	209	455618.725	455618.73				ug/L

Sample ID: LCSS A7 WG360839-03
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Na	23	42049.085	0.16	-0.0027	0.001	21.569	mg/L
Mg	24	4311.364	0.02	-0.0028	0.000	4.014	mg/L
K	39	339317.038	0.02	-0.0037	0.004	117.308	mg/L
Ca	43	256.696	0.00	-0.0019	0.006	330.670	mg/L
Fe	54	77610.690	0.19	0.0592	0.015	25.204	mg/L
Fe	57	7687.056	0.01	0.0012	0.002	201.517	mg/L
> Sc-1	45	173378.336	173378.34				mg/L
Cl	35	15815.169	3221.24				mg/L
Kr	83	52.001	-17.00				mg/L
Br	81	9028.744	446.39				mg/L
P	31	16212.658	6404.51				mg/L
S	34	147769.923	15691.33				mg/L
Sr	88	466.724	396.72				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.513			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.458			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.625			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		101.423			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS A7 WG360839-03
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Method 6020 - Summary Report

Sample ID: L1104009801

Sample Date/Time: Wednesday, April 06, 2011 18:11:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 46
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22291.516	0.00				ug/L
|	Be	9	91.334	0.00	0.2583	0.034	13.201	ug/L
|	Al	27	6307986.095	38.36	1166.6927	117.503	10.071	ug/L
⌊>	Sc	45	164985.773	164985.77				ug/L
⌈	Ti	49	1430.246	0.00	2.4955	0.309	12.393	ug/L
|	V	51	37753.090	0.12	3.9449	0.165	4.188	ug/L
|	Cr	52	31188.252	0.08	3.0199	0.127	4.218	ug/L
|	Cr	53	2980.742	0.01	3.1821	0.023	0.735	ug/L
|	Mn	55	4254746.412	14.26	360.0699	3.926	1.090	ug/L
|	Co	59	34750.661	0.12	3.7943	0.102	2.676	ug/L
|	Ni	60	41130.514	0.14	21.8181	0.263	1.206	ug/L
|	Cu	65	47812.854	0.16	24.9587	0.061	0.243	ug/L
|	Zn	66	85182.181	0.28	73.3890	0.613	0.836	ug/L
| >	Ge	72	298410.935	298410.94				ug/L
|	As	75	24696.232	0.08	24.0344	0.472	1.962	ug/L
|	Se	77	141.334	0.00	0.8325	0.139	16.669	ug/L
|	Se	82	106.431	0.00	0.9533	0.118	12.394	ug/L
⌊	Rb	85	36334.274	0.12				mg/L
	Y	89	256702.030	4574.79				ug/L
	Rh	103	163.670	151.67				ug/L
⌈	Mo	98	35242.906	0.11	11.8770	0.199	1.677	ug/L
|	Ag	107	1213.752	0.00	0.1864	0.008	4.084	ug/L
|	Cd	114	649.399	0.00	0.5202	0.017	3.179	ug/L
| >	In	115	308738.231	308738.23				ug/L
|	Sn	118	670.556	0.00	0.0761	0.001	1.735	ug/L
⌊	Sb	123	664.308	0.00	0.1786	0.012	6.538	ug/L
⌈	Ba	135	2811794.722	6.22	1666.3633	28.571	1.715	ug/L
|	Ce	140	188533.772	0.42				ug/L
⌊>	Tb	159	452319.118	452319.12				ug/L
⌈	Ho	165	2727.311	0.01				ug/L
|	Tl	203	9051.186	0.02	1.0294	0.035	3.405	ug/L
|	Tl	205	22507.575	0.05	1.0303	0.053	5.181	ug/L
|	Pb	206	1000458.385	2.35	138.6216	5.404	3.898	ug/L
|	Pb	207	878208.747	2.06	129.0128	3.374	2.615	ug/L
|	Pb	208	4043624.969	9.48	133.5708	4.236	3.171	ug/L
|	U	238	95874.386	0.22	1.8895	0.034	1.787	ug/L
⌊>	Bi	209	426428.046	426428.05				ug/L

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Na	23	5722729.596	34.68	1.2014	0.082	6.815	mg/L	
Mg	24	3734695.904	22.67	1.1788	0.055	4.698	mg/L	
K	39	3984184.339	22.26	0.5586	0.042	7.534	mg/L	
Ca	43	154638.981	0.94	9.5411	0.461	4.836	mg/L	
Fe	54	3532533.551	21.22	6.6322	0.621	9.370	mg/L	
Fe	57	1558067.100	9.43	7.0193	0.621	8.851	mg/L	
> Sc-1	45	164985.773	164985.77				mg/L	
Cl	35	123430.005	110836.08				mg/L	
Kr	83	65.668	-3.33				mg/L	
Br	81	23017.127	14434.78				mg/L	
P	31	31753.671	21945.52				mg/L	
S	34	256972.682	124894.09				mg/L	
Sr	88	4450568.976	4450498.97				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.414			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.276			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.360			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.925			

Sample ID: L1104009801
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	
Pb 206 Upper, S, EEE	Pb	206	
Pb 208 Upper, S, EEE	Pb	208	

Sample ID: L1104009801
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010001

Sample Date/Time: Wednesday, April 06, 2011 18:18:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 47
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23377.332	0.01				ug/L
|	Be	9	50.667	0.00	0.1323	0.033	24.981	ug/L
|	Al	27	10594350.862	65.98	2007.0443	96.754	4.821	ug/L
⌊>	Sc	45	160545.572	160545.57				ug/L
⌈	Ti	49	1046.827	0.00	1.7841	0.184	10.341	ug/L
|	V	51	28504.887	0.08	2.8508	0.111	3.902	ug/L
|	Cr	52	34870.772	0.09	3.4195	0.174	5.077	ug/L
|	Cr	53	3437.604	0.01	3.6300	0.311	8.573	ug/L
|	Mn	55	1295812.620	4.26	107.5527	5.006	4.654	ug/L
|	Co	59	28987.314	0.10	3.1049	0.156	5.020	ug/L
|	Ni	60	13505.937	0.04	7.0090	0.414	5.909	ug/L
|	Cu	65	14679.584	0.05	7.4261	0.171	2.305	ug/L
|	Zn	66	21725.471	0.07	17.1504	0.533	3.110	ug/L
|>	Ge	72	304166.258	304166.26				ug/L
|	As	75	4270.870	0.01	4.2256	0.186	4.413	ug/L
|	Se	77	101.334	0.00	0.3363	0.102	30.238	ug/L
|	Se	82	10.748	0.00	0.0510	0.172	337.205	ug/L
⌊	Rb	85	24691.716	0.08				mg/L
	Y	89	243287.982	-8839.26				ug/L
	Rh	103	17.000	5.00				ug/L
⌈	Mo	98	1335.194	0.00	0.4245	0.025	5.927	ug/L
|	Ag	107	114.002	0.00	0.0079	0.001	18.329	ug/L
|	Cd	114	10.985	0.00	0.0023	0.002	75.596	ug/L
|>	In	115	304558.963	304558.96				ug/L
|	Sn	118	169.335	0.00	-0.0374	0.002	6.386	ug/L
⌊	Sb	123	72.066	0.00	0.0186	0.001	2.989	ug/L
⌈	Ba	135	7880.186	0.02	4.7358	0.206	4.342	ug/L
|	Ce	140	31469.294	0.07				ug/L
⌊>	Tb	159	445061.822	445061.82				ug/L
⌈	Ho	165	1847.022	0.00				ug/L
|	Tl	203	384.345	0.00	0.0437	0.006	13.430	ug/L
|	Tl	205	920.135	0.00	0.0412	0.004	9.848	ug/L
|	Pb	206	25041.932	0.06	3.2592	0.161	4.941	ug/L
|	Pb	207	21246.447	0.05	2.9312	0.143	4.863	ug/L
|	Pb	208	100014.643	0.22	3.1040	0.147	4.732	ug/L
|	U	238	3313.916	0.01	0.0667	0.003	4.962	ug/L
⌊>	Bi	209	441253.655	441253.65				ug/L

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Na	23	1930630.541	11.95	0.4085	0.024	5.844	mg/L	
Mg	24	3510327.582	21.86	1.1366	0.020	1.763	mg/L	
K	39	1818370.226	9.39	0.2332	0.021	8.887	mg/L	
Ca	43	41737.885	0.26	2.6295	0.098	3.739	mg/L	
Fe	54	4369311.409	26.96	8.4241	0.388	4.600	mg/L	
Fe	57	1858791.479	11.54	8.5859	0.285	3.322	mg/L	
> Sc-1	45	160545.572	160545.57				mg/L	
Cl	35	33414.441	20820.52				mg/L	
Kr	83	67.334	-1.67				mg/L	
Br	81	9425.774	843.43				mg/L	
P	31	33591.012	23782.86				mg/L	
S	34	200626.333	68547.74				mg/L	
Sr	88	56284.159	56214.15				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.215			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.054			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.830			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.226			

Sample ID: L1104010001
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010201

Sample Date/Time: Wednesday, April 06, 2011 18:25:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 48
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23009.793	0.00				ug/L
|	Be	9	100.667	0.00	0.2767	0.019	6.948	ug/L
|	Al	27	10443550.453	61.26	1863.3690	113.065	6.068	ug/L
⌊>	Sc	45	170713.871	170713.87				ug/L
⌈	Ti	49	2670.625	0.01	4.5274	0.305	6.741	ug/L
|	V	51	40922.657	0.12	4.1510	0.145	3.503	ug/L
|	Cr	52	49097.767	0.13	5.1737	0.157	3.037	ug/L
|	Cr	53	5215.215	0.02	5.5431	0.153	2.765	ug/L
|	Mn	55	1660113.648	5.38	135.8718	4.853	3.572	ug/L
|	Co	59	33881.360	0.11	3.5786	0.143	3.987	ug/L
|	Ni	60	18878.012	0.06	9.6708	0.425	4.390	ug/L
|	Cu	65	23705.686	0.08	11.9023	0.653	5.490	ug/L
|	Zn	66	27359.009	0.08	21.6858	0.812	3.745	ug/L
|>	Ge	72	308504.857	308504.86				ug/L
|	As	75	4136.141	0.01	4.0432	0.191	4.719	ug/L
|	Se	77	92.667	0.00	0.2205	0.208	94.537	ug/L
|	Se	82	48.198	0.00	0.3909	0.062	15.821	ug/L
⌊	Rb	85	47688.331	0.15				mg/L
	Y	89	256069.896	3942.65				ug/L
	Rh	103	27.000	15.00				ug/L
⌈	Mo	98	1815.018	0.01	0.5683	0.007	1.280	ug/L
|	Ag	107	231.005	0.00	0.0259	0.001	5.393	ug/L
|	Cd	114	60.112	0.00	0.0410	0.007	17.763	ug/L
|>	In	115	314977.574	314977.57				ug/L
|	Sn	118	503.346	0.00	0.0358	0.006	16.878	ug/L
⌊	Sb	123	75.817	0.00	0.0190	0.001	5.933	ug/L
⌈	Ba	135	467209.627	1.04	277.9064	10.285	3.701	ug/L
|	Ce	140	142746.177	0.32				ug/L
⌊>	Tb	159	450699.180	450699.18				ug/L
⌈	Ho	165	2457.214	0.01				ug/L
|	Tl	203	596.690	0.00	0.0661	0.005	7.736	ug/L
|	Tl	205	1663.639	0.00	0.0731	0.006	8.030	ug/L
|	Pb	206	44355.961	0.10	5.7689	0.161	2.784	ug/L
|	Pb	207	37840.173	0.08	5.2179	0.093	1.775	ug/L
|	Pb	208	177847.511	0.39	5.5158	0.146	2.642	ug/L
|	U	238	19713.291	0.04	0.3736	0.015	3.883	ug/L
⌊>	Bi	209	447033.580	447033.58				ug/L

Sample ID: L1104010201
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Na	23	10132703.271	59.36	2.0620	0.105	5.112	mg/L	
Mg	24	5387656.997	31.60	1.6445	0.070	4.245	mg/L	
K	39	3498298.085	18.58	0.4654	0.022	4.702	mg/L	
Ca	43	161163.689	0.94	9.6100	0.684	7.116	mg/L	
Fe	54	4673115.423	27.14	8.4806	0.274	3.229	mg/L	
Fe	57	2008190.699	11.74	8.7365	0.521	5.967	mg/L	
> Sc-1	45	170713.871	170713.87				mg/L	
Cl	35	103635.590	91041.66				mg/L	
Kr	83	54.001	-15.00				mg/L	
Br	81	30388.772	21806.42				mg/L	
P	31	34139.544	24331.40				mg/L	
S	34	169076.128	36997.53				mg/L	
Sr	88	504383.625	504313.62				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.573			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.100			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.019			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.512			

Sample ID: L1104010201
Report Date/Time: Wednesday, April 06, 2011 18:27:35
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010404

Sample Date/Time: Wednesday, April 06, 2011 18:32:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 49
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22742.560	-0.02				ug/L
|	Be	9	299.338	0.00	0.7504	0.065	8.667	ug/L
|	Al	27	20664135.285	102.50	3117.7051	107.938	3.462	ug/L
⌊>	Sc	45	201612.226	201612.23				ug/L
⌈	Ti	49	1313.551	0.00	2.2601	0.207	9.139	ug/L
|	V	51	113372.541	0.37	12.2521	0.497	4.058	ug/L
|	Cr	52	78845.008	0.23	9.1864	0.405	4.410	ug/L
|	Cr	53	8531.168	0.03	9.4108	0.647	6.879	ug/L
|	Mn	55	6049469.426	20.02	505.6435	13.884	2.746	ug/L
|	Co	59	315087.859	1.04	33.9957	1.166	3.430	ug/L
|	Ni	60	49065.713	0.16	25.7121	1.052	4.090	ug/L
|	Cu	65	64669.263	0.21	33.3858	1.208	3.617	ug/L
|	Zn	66	71676.320	0.23	60.7246	2.814	4.634	ug/L
| >	Ge	72	302145.211	302145.21				ug/L
|	As	75	93065.656	0.31	88.9865	3.221	3.620	ug/L
|	Se	77	129.334	0.00	0.6740	0.429	63.660	ug/L
|	Se	82	63.071	0.00	0.5382	0.157	29.156	ug/L
⌊	Rb	85	36036.857	0.12				mg/L
	Y	89	332603.745	80476.50				ug/L
	Rh	103	31.334	19.33				ug/L
⌈	Mo	98	6183.513	0.02	2.0774	0.031	1.505	ug/L
|	Ag	107	222.338	0.00	0.0256	0.003	12.948	ug/L
|	Cd	114	193.677	0.00	0.1520	0.008	5.121	ug/L
| >	In	115	305702.494	305702.49				ug/L
|	Sn	118	125.067	0.00	-0.0477	0.001	2.790	ug/L
⌊	Sb	123	67.357	0.00	0.0173	0.002	11.216	ug/L
⌈	Ba	135	101090.438	0.23	60.7093	2.617	4.311	ug/L
|	Ce	140	874003.837	1.96				ug/L
⌊>	Tb	159	446284.654	446284.65				ug/L
⌈	Ho	165	8964.916	0.02				ug/L
|	Tl	203	1443.119	0.00	0.1609	0.005	3.312	ug/L
|	Tl	205	3500.964	0.01	0.1563	0.006	4.134	ug/L
|	Pb	206	409044.467	0.93	55.0689	0.765	1.389	ug/L
|	Pb	207	347095.137	0.79	49.5484	0.887	1.790	ug/L
|	Pb	208	1623027.181	3.70	52.0907	1.362	2.616	ug/L
|	U	238	34491.111	0.08	0.6637	0.016	2.444	ug/L
⌊>	Bi	209	438167.041	438167.04				ug/L

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Na	23	1918810.474	9.44	0.3208	0.023	7.040	mg/L	
Mg	24	4380244.550	21.73	1.1295	0.063	5.562	mg/L	
K	39	1847402.137	7.22	0.1783	0.002	1.057	mg/L	
Ca	43	15376.695	0.08	0.7595	0.036	4.806	mg/L	
Fe	54	12188600.874	60.21	18.8156	0.577	3.066	mg/L	
Fe	57	5236972.592	25.94	19.3079	0.776	4.020	mg/L	
> Sc-1	45	201612.226	201612.23				mg/L	
Cl	35	20736.818	8142.89				mg/L	
Kr	83	68.668	-0.33				mg/L	
Br	81	10096.431	1514.08				mg/L	
P	31	78538.229	68730.08				mg/L	
S	34	135330.662	3252.07				mg/L	
Sr	88	67876.472	67806.47				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		94.583			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.388			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.088			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.538			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010406

Sample Date/Time: Wednesday, April 06, 2011 18:39:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 50
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23510.973	-0.01				ug/L
|	Be	9	202.669	0.00	0.5440	0.033	6.128	ug/L
|	Al	27	29742021.306	160.58	4884.3808	211.817	4.337	ug/L
⌊>	Sc	45	185081.398	185081.40				ug/L
⌈	Ti	49	31235.662	0.10	53.6411	6.754	12.591	ug/L
|	V	51	59810.361	0.19	6.2435	0.467	7.475	ug/L
|	Cr	52	60692.427	0.17	6.7128	0.483	7.199	ug/L
|	Cr	53	6349.321	0.02	6.8509	0.393	5.733	ug/L
|	Mn	55	17795938.679	58.11	1467.7461	108.865	7.417	ug/L
|	Co	59	37548.835	0.12	3.9954	0.366	9.150	ug/L
|	Ni	60	30372.904	0.10	15.6929	1.234	7.864	ug/L
|	Cu	65	16097.490	0.05	8.1007	0.590	7.279	ug/L
|	Zn	66	42732.162	0.13	35.0527	2.413	6.883	ug/L
| >	Ge	72	306158.105	306158.10				ug/L
|	As	75	1097.808	0.00	1.2114	0.033	2.717	ug/L
|	Se	77	100.667	0.00	0.3210	0.103	32.176	ug/L
|	Se	82	9.670	0.00	0.0408	0.070	170.786	ug/L
⌊	Rb	85	45326.179	0.15				mg/L
	Y	89	315650.535	63523.29				ug/L
	Rh	103	22.000	10.00				ug/L
⌈	Mo	98	765.051	0.00	0.2270	0.025	10.894	ug/L
|	Ag	107	80.334	0.00	0.0022	0.001	54.632	ug/L
|	Cd	114	333.937	0.00	0.2656	0.023	8.521	ug/L
| >	In	115	307268.331	307268.33				ug/L
|	Sn	118	523.614	0.00	0.0433	0.010	22.701	ug/L
⌊	Sb	123	58.989	0.00	0.0149	0.003	22.310	ug/L
⌈	Ba	135	153076.371	0.34	91.4028	4.512	4.937	ug/L
|	Ce	140	371915.394	0.83				ug/L
⌊>	Tb	159	448863.346	448863.35				ug/L
⌈	Ho	165	8240.888	0.02				ug/L
|	Tl	203	2530.013	0.01	0.2835	0.019	6.832	ug/L
|	Tl	205	6169.189	0.01	0.2775	0.015	5.500	ug/L
|	Pb	206	55795.381	0.13	7.4965	0.448	5.981	ug/L
|	Pb	207	47554.451	0.11	6.7741	0.382	5.641	ug/L
|	Pb	208	222542.799	0.51	7.1293	0.430	6.037	ug/L
|	U	238	28438.074	0.07	0.5528	0.034	6.180	ug/L
⌊>	Bi	209	434446.791	434446.79				ug/L

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Na	23	1032725.659	5.49	0.1833	0.006	3.032	mg/L	
Mg	24	6646377.812	35.89	1.8686	0.062	3.299	mg/L	
K	39	1857135.963	8.09	0.2002	0.007	3.583	mg/L	
Ca	43	19841.821	0.11	1.0726	0.094	8.755	mg/L	
Fe	54	7578442.726	40.65	12.7040	0.679	5.341	mg/L	
Fe	57	3232250.946	17.41	12.9556	0.761	5.873	mg/L	
> Sc-1	45	185081.398	185081.40				mg/L	
Cl	35	112770.513	100176.59				mg/L	
Kr	83	76.334	7.33				mg/L	
Br	81	9022.069	439.72				mg/L	
P	31	51468.958	41660.81				mg/L	
S	34	114777.820	-17300.78				mg/L	
Sr	88	41734.754	41664.75				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.839			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.846			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.632			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.710			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104010406
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Method 6020 - Summary Report

Sample ID: L1104010406PS WG360863-01

Sample Date/Time: Wednesday, April 06, 2011 18:46:43
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 51
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24914.351	-0.00				ug/L
|	Be	9	15483.602	0.08	44.1145	21.157	47.959	ug/L
|	Al	27	30012765.275	159.63	4855.6796	114.239	2.353	ug/L
⌊>	Sc	45	188105.601	188105.60				ug/L
⌈	Ti	49	27905.132	0.09	48.0467	3.138	6.531	ug/L
|	V	51	429446.914	1.40	46.7760	18.460	39.464	ug/L
|	Cr	52	372911.992	1.20	47.1324	19.849	42.114	ug/L
|	Cr	53	42420.250	0.14	47.2928	19.337	40.888	ug/L
|	Mn	55	17930111.291	58.74	1483.4547	32.601	2.198	ug/L
|	Co	59	439674.884	1.44	47.0368	19.552	41.567	ug/L
|	Ni	60	114503.767	0.38	59.5227	20.321	34.140	ug/L
|	Cu	65	100856.542	0.33	51.6915	19.170	37.085	ug/L
|	Zn	66	96173.932	0.31	81.2532	17.927	22.064	ug/L
|>	Ge	72	305233.475	305233.48				ug/L
|	As	75	50167.366	0.17	47.6357	17.676	37.106	ug/L
|	Se	77	4379.704	0.01	49.9929	18.140	36.286	ug/L
|	Se	82	5393.990	0.02	49.6545	18.693	37.647	ug/L
⌊	Rb	85	44929.916	0.15				mg/L
	Y	89	316533.228	64405.98				ug/L
	Rh	103	44.001	32.00				ug/L
⌈	Mo	98	787.536	0.00	0.2300	0.007	2.968	ug/L
|	Ag	107	300177.424	0.96	48.2098	14.045	29.134	ug/L
|	Cd	114	59200.513	0.19	47.4955	20.633	43.443	ug/L
|>	In	115	312495.729	312495.73				ug/L
|	Sn	118	509.480	0.00	0.0381	0.003	7.265	ug/L
⌊	Sb	123	166090.186	0.53	44.4020	18.268	41.142	ug/L
⌈	Ba	135	225619.373	0.50	134.5503	14.513	10.787	ug/L
|	Ce	140	361821.904	0.80				ug/L
⌊>	Tb	159	449657.970	449657.97				ug/L
⌈	Ho	165	8094.091	0.02				ug/L
|	Tl	203	431695.342	0.99	47.7738	12.613	26.401	ug/L
|	Tl	205	1071821.604	2.45	47.7746	12.569	26.309	ug/L
|	Pb	206	404843.409	0.92	54.6089	19.191	35.142	ug/L
|	Pb	207	358229.502	0.82	51.2410	17.846	34.828	ug/L
|	Pb	208	1656163.369	3.78	53.2659	18.598	34.915	ug/L
|	U	238	2332670.469	5.34	44.7459	21.385	47.792	ug/L
⌊>	Bi	209	437775.164	437775.16				ug/L

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Na	23	1073747.783	5.63	0.1881	0.006	3.352	mg/L	
Mg	24	6817240.210	36.25	1.8872	0.022	1.163	mg/L	
K	39	1899775.620	8.17	0.2024	0.018	9.088	mg/L	
Ca	43	19751.542	0.10	1.0509	0.033	3.119	mg/L	
Fe	54	7429793.093	39.26	12.2704	0.628	5.118	mg/L	
Fe	57	3223449.257	17.10	12.7288	0.399	3.135	mg/L	
> Sc-1	45	188105.601	188105.60				mg/L	
Cl	35	112095.804	99501.88				mg/L	
Kr	83	79.668	10.67				mg/L	
Br	81	8857.924	275.58				mg/L	
P	31	53334.114	43525.97				mg/L	
S	34	121127.496	-10951.10				mg/L	
Sr	88	41781.362	41711.35				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.549			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.375			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.799			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.451			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

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Method 6020 - Summary Report

Sample ID: L1104010406SDL WG360863-02

Sample Date/Time: Wednesday, April 06, 2011 18:53:51
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 52
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23544.370	0.01				ug/L
|	Be	9	38.667	0.00	0.0872	0.023	26.701	ug/L
|	Al	27	5014984.566	29.98	911.9994	15.188	1.665	ug/L
⌊>	Sc	45	167186.019	167186.02				ug/L
⌈	Ti	49	4861.668	0.02	8.0744	0.327	4.052	ug/L
|	V	51	12494.425	0.03	1.0431	0.012	1.119	ug/L
|	Cr	52	17021.645	0.03	1.0262	0.024	2.330	ug/L
|	Cr	53	1373.565	0.00	1.2579	0.080	6.357	ug/L
|	Mn	55	3013924.560	9.55	241.0585	6.124	2.540	ug/L
|	Co	59	6594.573	0.02	0.6791	0.008	1.208	ug/L
|	Ni	60	5234.756	0.02	2.5985	0.071	2.715	ug/L
|	Cu	65	2909.452	0.01	1.3115	0.032	2.448	ug/L
|	Zn	66	10406.850	0.03	7.0429	0.169	2.404	ug/L
|>	Ge	72	315752.912	315752.91				ug/L
|	As	75	62.601	0.00	0.2347	0.020	8.550	ug/L
|	Se	77	77.334	-0.00	0.0246	0.094	381.284	ug/L
|	Se	82	11.838	0.00	0.0569	0.082	144.857	ug/L
⌊	Rb	85	7885.854	0.02				mg/L
	Y	89	256667.542	4540.30				ug/L
	Rh	103	17.667	5.67				ug/L
⌈	Mo	98	153.911	0.00	0.0169	0.008	46.242	ug/L
|	Ag	107	51.001	0.00	-0.0030	0.001	30.825	ug/L
|	Cd	114	62.748	0.00	0.0421	0.009	22.121	ug/L
|>	In	115	321811.372	321811.37				ug/L
|	Sn	118	155.068	0.00	-0.0426	0.002	5.319	ug/L
⌊	Sb	123	345.622	0.00	0.0885	0.010	10.881	ug/L
⌈	Ba	135	26404.087	0.06	15.6224	0.479	3.069	ug/L
|	Ce	140	63748.979	0.14				ug/L
⌊>	Tb	159	452868.411	452868.41				ug/L
⌈	Ho	165	1443.582	0.00				ug/L
|	Tl	203	466.016	0.00	0.0516	0.001	2.272	ug/L
|	Tl	205	1080.167	0.00	0.0474	0.003	6.734	ug/L
|	Pb	206	9656.423	0.02	1.1736	0.010	0.893	ug/L
|	Pb	207	8201.111	0.02	1.0558	0.024	2.250	ug/L
|	Pb	208	38628.626	0.08	1.1199	0.013	1.122	ug/L
|	U	238	4861.897	0.01	0.0944	0.002	2.227	ug/L
⌊>	Bi	209	449670.881	449670.88				ug/L

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Na	23	189603.667	1.05	0.0283	0.001	3.992	mg/L	
Mg	24	1254947.161	7.50	0.3875	0.002	0.642	mg/L	
K	39	626801.916	1.81	0.0414	0.003	6.754	mg/L	
Ca	43	3637.693	0.02	0.2043	0.011	5.525	mg/L	
Fe	54	1378267.755	7.98	2.4952	0.060	2.420	mg/L	
Fe	57	557206.057	3.30	2.4494	0.106	4.321	mg/L	
> Sc-1	45	167186.019	167186.02				mg/L	
Cl	35	30370.719	17776.79				mg/L	
Kr	83	57.001	-12.00				mg/L	
Br	81	8552.324	-30.03				mg/L	
P	31	12357.640	2549.49				mg/L	
S	34	122290.673	-9787.92				mg/L	
Sr	88	7633.676	7563.67				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.842			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.099			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.476			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.099			

Sample ID: L1104010406SDL WG360863-02
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Erin D. Long

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 19:00:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21991.029	-0.00				ug/L
|	Be	9	17217.481	0.10	54.3729	1.722	3.166	ug/L
|	Al	27	277206.658	1.64	49.9243	2.107	4.221	ug/L
⌊>	Sc	45	167713.862	167713.86				ug/L
⌈	Ti	49	56102.568	0.18	96.8888	1.749	1.805	ug/L
|	V	51	450357.605	1.47	49.1086	0.201	0.409	ug/L
|	Cr	52	393424.707	1.26	49.8215	0.350	0.703	ug/L
|	Cr	53	45320.369	0.15	50.5833	1.453	2.872	ug/L
|	Mn	55	605434.524	1.99	50.1792	0.641	1.278	ug/L
|	Co	59	471129.677	1.55	50.4406	0.437	0.866	ug/L
|	Ni	60	98884.870	0.32	51.4595	1.124	2.185	ug/L
|	Cu	65	97877.664	0.32	50.2127	0.902	1.797	ug/L
|	Zn	66	60524.553	0.19	50.6191	0.687	1.357	ug/L
|>	Ge	72	304483.957	304483.96				ug/L
|	As	75	53966.605	0.18	51.2784	0.347	0.677	ug/L
|	Se	77	4429.648	0.01	50.6179	1.151	2.273	ug/L
|	Se	82	5706.216	0.02	52.5781	0.600	1.142	ug/L
⌊	Rb	85	2269.280	0.01				mg/L
	Y	89	234593.638	-17533.61				ug/L
	Rh	103	36.000	24.00				ug/L
⌈	Mo	98	327322.920	1.02	106.4338	1.479	1.389	ug/L
|	Ag	107	324050.462	1.01	50.6795	0.691	1.364	ug/L
|	Cd	114	64160.912	0.20	50.1098	1.183	2.360	ug/L
|>	In	115	320766.789	320766.79				ug/L
|	Sn	118	233634.818	0.73	51.1083	0.252	0.494	ug/L
⌊	Sb	123	197623.854	0.62	51.4341	0.329	0.640	ug/L
⌈	Ba	135	83915.794	0.19	50.0116	0.348	0.695	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	449728.360	449728.36				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	444296.035	1.04	50.2153	0.471	0.939	ug/L
|	Tl	205	1080601.992	2.52	49.1942	0.610	1.240	ug/L
|	Pb	206	360314.077	0.84	49.6170	0.237	0.477	ug/L
|	Pb	207	339167.641	0.79	49.5314	0.271	0.547	ug/L
|	Pb	208	1515434.291	3.53	49.7580	0.112	0.226	ug/L
|	U	238	2584291.053	6.03	50.5957	0.239	0.472	ug/L
⌊>	Bi	209	428335.598	428335.60				ug/L

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Na	23	23722256.681	141.47	4.9258	0.112	2.282	mg/L	
Mg	24	16045702.556	95.83	4.9955	0.252	5.044	mg/L	
K	39	33448061.366	197.76	4.9953	0.213	4.270	mg/L	
Ca	43	83038.409	0.49	5.0292	0.150	2.992	mg/L	
Fe	54	2850549.357	16.77	5.2413	0.315	6.019	mg/L	
Fe	57	1238334.729	7.36	5.4761	0.349	6.365	mg/L	
> Sc-1	45	167713.862	167713.86				mg/L	
Cl	35	14600.652	2006.73				mg/L	
Kr	83	57.667	-11.33				mg/L	
Br	81	8486.934	-95.41				mg/L	
P	31	9378.481	-429.67				mg/L	
S	34	149396.252	17317.66				mg/L	
Sr	88	2303.830	2233.82				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	98.217				
Cr	52	99.643				
Cr	53					
Mn	55	100.358				
Co	59	100.881				
Ni	60	102.919				
Cu	65	100.425				
Zn	66	101.238				
> Ge	72		95.315			
As	75	102.557				
Se	77					
Se	82	105.156				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.359				
Cd	114	100.220				
> In	115		93.793			
Sn	118					
Sb	123	102.868				
Ba	135	100.023				
Ce	140					
> Tb	159		94.814			
Ho	165					
Tl	203	100.431				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.516				
U	238	101.191				
> Bi	209		95.350			

Sample ID: QC Std 6
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 19:08:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21873.913	-0.00				ug/L
|	Be	9	16.000	-0.00	0.0145	0.000	3.172	ug/L
|	Al	27	1933.524	-0.00	-0.0798	0.055	68.700	ug/L
|>	Sc	45	170338.591	170338.59				ug/L
⌈	Ti	49	30.003	-0.00	0.0252	0.045	179.211	ug/L
|	V	51	2830.765	0.00	0.0261	0.009	33.925	ug/L
|	Cr	52	9025.829	0.00	0.0469	0.006	12.920	ug/L
|	Cr	53	243.361	0.00	0.0402	0.041	101.354	ug/L
|	Mn	55	505.351	0.00	-0.0035	0.003	75.904	ug/L
|	Co	59	67.001	0.00	0.0053	0.001	20.953	ug/L
|	Ni	60	33.667	-0.00	-0.0129	0.003	26.378	ug/L
|	Cu	65	193.670	0.00	-0.0338	0.007	19.725	ug/L
|	Zn	66	1416.781	-0.00	-0.4198	0.034	8.189	ug/L
|>	Ge	72	310579.632	310579.63				ug/L
|	As	75	-178.231	0.00	0.0120	0.042	352.052	ug/L
|	Se	77	70.667	-0.00	-0.0367	0.100	273.888	ug/L
|	Se	82	5.157	0.00	-0.0018	0.104	5648.411	ug/L
⌊	Rb	85	21.334	-0.00				mg/L
	Y	89	245628.165	-6499.08				ug/L
	Rh	103	18.000	6.00				ug/L
⌈	Mo	98	149.948	0.00	0.0144	0.008	54.901	ug/L
|	Ag	107	48.334	0.00	-0.0036	0.000	7.676	ug/L
|	Cd	114	4.015	0.00	-0.0037	0.007	183.842	ug/L
|>	In	115	330195.840	330195.84				ug/L
|	Sn	118	253.203	0.00	-0.0226	0.004	15.877	ug/L
⌊	Sb	123	136.074	0.00	0.0333	0.003	8.069	ug/L
⌈	Ba	135	31.334	0.00	0.0076	0.006	80.477	ug/L
|	Ce	140	16.668	-0.00				ug/L
|>	Tb	159	457514.299	457514.30				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	51.334	0.00	0.0071	0.001	20.889	ug/L
|	Tl	205	93.343	0.00	0.0047	0.002	47.293	ug/L
|	Pb	206	382.344	0.00	-0.0439	0.003	6.331	ug/L
|	Pb	207	340.009	0.00	-0.0384	0.001	3.760	ug/L
|	Pb	208	1518.727	0.00	-0.0417	0.002	4.094	ug/L
|	U	238	179.337	0.00	0.0072	0.001	10.686	ug/L
|>	Bi	209	437974.794	437974.79				ug/L

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Na	23	16451.860	0.01	-0.0079	0.000	2.685	mg/L	
Mg	24	1056.829	0.00	-0.0038	0.000	0.941	mg/L	
K	39	332337.518	0.01	-0.0041	0.001	32.956	mg/L	
Ca	43	150.016	-0.00	-0.0083	0.004	49.496	mg/L	
Fe	54	42547.721	-0.01	-0.0033	0.003	93.114	mg/L	
Fe	57	6249.245	-0.00	-0.0046	0.001	20.533	mg/L	
> Sc-1	45	170338.591	170338.59				mg/L	
Cl	35	13302.843	708.92				mg/L	
Kr	83	58.667	-10.33				mg/L	
Br	81	8895.291	312.94				mg/L	
P	31	8784.562	-1023.58				mg/L	
S	34	134840.812	2762.22				mg/L	
Sr	88	100.011	30.00				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.223			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		96.550			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.455			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.496			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 19:10:16

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 19:10:16
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010408 WG360839-01

Sample Date/Time: Wednesday, April 06, 2011 19:15:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 53
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26301.298	0.01				ug/L
|	Be	9	158.668	0.00	0.4083	0.025	6.094	ug/L
|	Al	27	19800392.347	104.64	3182.9975	337.076	10.590	ug/L
⌊>	Sc	45	189427.895	189427.89				ug/L
⌈	Ti	49	2690.632	0.01	4.4359	0.269	6.066	ug/L
|	V	51	44341.780	0.13	4.3895	0.234	5.321	ug/L
|	Cr	52	50501.996	0.13	5.1761	0.358	6.925	ug/L
|	Cr	53	5018.430	0.02	5.1725	0.264	5.107	ug/L
|	Mn	55	1524808.545	4.81	121.3632	7.006	5.773	ug/L
|	Co	59	96675.791	0.30	9.9333	0.658	6.625	ug/L
|	Ni	60	20054.677	0.06	9.9921	0.616	6.170	ug/L
|	Cu	65	13848.730	0.04	6.7058	0.257	3.830	ug/L
|	Zn	66	30254.069	0.09	23.4443	1.148	4.896	ug/L
|>	Ge	72	317181.911	317181.91				ug/L
|	As	75	296.414	0.00	0.4471	0.009	1.968	ug/L
|	Se	77	93.334	0.00	0.1983	0.153	77.086	ug/L
|	Se	82	6.397	0.00	0.0091	0.099	1082.594	ug/L
⌊	Rb	85	25039.606	0.08				mg/L
	Y	89	277619.450	25492.21				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	217.840	0.00	0.0373	0.005	14.022	ug/L
|	Ag	107	69.001	0.00	-0.0002	0.001	524.135	ug/L
|	Cd	114	30.400	0.00	0.0168	0.011	63.010	ug/L
|>	In	115	323779.368	323779.37				ug/L
|	Sn	118	163.068	0.00	-0.0411	0.003	7.027	ug/L
⌊	Sb	123	81.239	0.00	0.0198	0.003	17.378	ug/L
⌈	Ba	135	85428.483	0.19	50.0543	2.742	5.479	ug/L
|	Ce	140	601111.622	1.31				ug/L
⌊>	Tb	159	457502.644	457502.64				ug/L
⌈	Ho	165	3604.345	0.01				ug/L
|	Tl	203	243.672	0.00	0.0277	0.003	10.170	ug/L
|	Tl	205	576.741	0.00	0.0256	0.003	12.024	ug/L
|	Pb	206	38545.035	0.09	4.9766	0.405	8.137	ug/L
|	Pb	207	32862.641	0.07	4.4978	0.303	6.742	ug/L
|	Pb	208	154360.422	0.34	4.7511	0.301	6.332	ug/L
|	U	238	17656.098	0.04	0.3333	0.020	5.920	ug/L
⌊>	Bi	209	449611.356	449611.36				ug/L

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Na	23	456007.486	2.33	0.0728	0.004	4.924	mg/L	
Mg	24	4194129.332	22.16	1.1522	0.096	8.331	mg/L	
K	39	1827041.708	7.71	0.1905	0.008	3.972	mg/L	
Ca	43	13133.266	0.07	0.6890	0.026	3.728	mg/L	
Fe	54	4257060.937	22.24	6.9499	0.570	8.205	mg/L	
Fe	57	1825157.380	9.61	7.1505	0.741	10.360	mg/L	
> Sc-1	45	189427.895	189427.89				mg/L	
Cl	35	14307.562	1713.64				mg/L	
Kr	83	69.334	0.33				mg/L	
Br	81	8392.189	-190.16				mg/L	
P	31	27811.385	18003.24				mg/L	
S	34	131305.218	-773.38				mg/L	
Sr	88	43351.567	43281.56				mg/L	

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	Ti	49					
	V	51					
	Cr	52					
	Cr	53					
	Mn	55					
	Co	59					
	Ni	60					
	Cu	65					
	Zn	66					
>	Ge	72		99.290			
	As	75					
	Se	77					
	Se	82					
	Rb	85					
	Y	89					
	Rh	103					
	Mo	98					
	Ag	107					
	Cd	114					
>	In	115		94.674			
	Sn	118					
	Sb	123					
	Ba	135					
	Ce	140					
>	Tb	159		96.453			
	Ho	165					
	Tl	203					
	Tl	205					
	Pb	206					
	Pb	207					
	Pb	208					
	U	238					
>	Bi	209		100.086			

Sample ID: L1104010408 WG360839-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010408S WG360839-04

Sample Date/Time: Wednesday, April 06, 2011 19:22:19
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 54
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23210.311	-0.01				ug/L
|	Be	9	1976.196	0.01	5.4967	0.282	5.125	ug/L
|	Al	27	26867357.399	141.93	4317.2039	207.876	4.815	ug/L
⌊>	Sc	45	189675.060	189675.06				ug/L
⌈	Ti	49	6169.192	0.02	10.4860	0.611	5.827	ug/L
|	V	51	115617.913	0.37	12.2286	0.623	5.096	ug/L
|	Cr	52	115014.640	0.34	13.5875	0.622	4.578	ug/L
|	Cr	53	12889.615	0.04	14.0272	0.839	5.980	ug/L
|	Mn	55	2811916.455	9.11	230.0576	11.151	4.847	ug/L
|	Co	59	125036.175	0.40	13.2050	0.573	4.337	ug/L
|	Ni	60	33853.960	0.11	17.3591	0.648	3.730	ug/L
|	Cu	65	30176.851	0.10	15.1812	0.726	4.784	ug/L
|	Zn	66	46877.512	0.15	38.2866	2.639	6.894	ug/L
| >	Ge	72	308555.402	308555.40				ug/L
|	As	75	8212.473	0.03	7.8486	0.432	5.499	ug/L
|	Se	77	556.682	0.00	5.5389	0.589	10.641	ug/L
|	Se	82	589.473	0.00	5.3161	0.212	3.984	ug/L
⌊	Rb	85	41670.841	0.13				mg/L
	Y	89	303264.143	51136.90				ug/L
	Rh	103	34.334	22.33				ug/L
⌈	Mo	98	832.691	0.00	0.2396	0.003	1.407	ug/L
|	Ag	107	30582.371	0.10	4.8038	0.208	4.333	ug/L
|	Cd	114	7037.902	0.02	5.5255	0.100	1.808	ug/L
| >	In	115	318768.270	318768.27				ug/L
|	Sn	118	220.936	0.00	-0.0278	0.001	3.327	ug/L
⌊	Sb	123	628.516	0.00	0.1635	0.008	5.041	ug/L
⌈	Ba	135	463667.101	1.02	274.7613	13.653	4.969	ug/L
|	Ce	140	452698.962	1.00				ug/L
⌊>	Tb	159	452493.556	452493.56				ug/L
⌈	Ho	165	5672.178	0.01				ug/L
|	Tl	203	44691.825	0.10	5.0154	0.216	4.316	ug/L
|	Tl	205	113168.589	0.26	5.1139	0.223	4.359	ug/L
|	Pb	206	86803.792	0.20	11.7936	0.649	5.505	ug/L
|	Pb	207	74985.783	0.17	10.8049	0.752	6.956	ug/L
|	Pb	208	348500.516	0.80	11.2907	0.693	6.136	ug/L
|	U	238	290049.361	0.67	5.6412	0.348	6.170	ug/L
⌊>	Bi	209	431636.359	431636.36				ug/L

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⌈	Na	23	842683.602	4.38	0.1444	0.012	8.228	mg/L
|	Mg	24	8031545.165	42.52	2.2145	0.156	7.043	mg/L
|	K	39	2691219.963	12.28	0.3062	0.016	5.138	mg/L
|	Ca	43	134398.079	0.71	7.2013	0.173	2.400	mg/L
|	Fe	54	6631292.364	34.77	10.8670	0.428	3.942	mg/L
|	Fe	57	2770210.646	14.58	10.8489	0.211	1.942	mg/L
⌊>	Sc-1	45	189675.060	189675.06				mg/L
	Cl	35	18778.283	6184.36				mg/L
	Kr	83	63.668	-5.33				mg/L
	Br	81	8470.922	-111.43				mg/L
	P	31	56730.147	46922.00				mg/L
	S	34	152082.300	20003.70				mg/L
	Sr	88	399087.425	399017.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.589			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.209			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.397			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.085			

Sample ID: L1104010408S WG360839-04
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1104010408S WG360839-04
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Method 6020 - Summary Report

Sample ID: L1104010408SD WG360839-05

Sample Date/Time: Wednesday, April 06, 2011 19:29:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 55
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23394.136	0.00				ug/L
|	Be	9	2000.867	0.01	6.0781	0.136	2.235	ug/L
|	Al	27	25680861.770	148.34	4512.2831	344.813	7.642	ug/L
⌊>	Sc	45	173272.009	173272.01				ug/L
⌈	Ti	49	3834.453	0.01	6.4725	0.352	5.440	ug/L
|	V	51	131005.359	0.41	13.8128	0.271	1.961	ug/L
|	Cr	52	124554.150	0.37	14.7140	0.283	1.924	ug/L
|	Cr	53	13964.475	0.04	15.1259	0.250	1.651	ug/L
|	Mn	55	3053351.129	9.84	248.4076	8.274	3.331	ug/L
|	Co	59	107120.431	0.34	11.2471	0.184	1.637	ug/L
|	Ni	60	39562.841	0.13	20.1738	0.445	2.208	ug/L
|	Cu	65	42031.597	0.13	21.0731	0.678	3.216	ug/L
|	Zn	66	51106.869	0.16	41.6492	1.830	4.393	ug/L
| >	Ge	72	310470.048	310470.05				ug/L
|	As	75	11279.093	0.04	10.6525	0.151	1.416	ug/L
|	Se	77	526.014	0.00	5.1505	0.146	2.835	ug/L
|	Se	82	570.512	0.00	5.1119	0.148	2.891	ug/L
⌊	Rb	85	55476.364	0.18				mg/L
	Y	89	296171.835	44044.59				ug/L
	Rh	103	44.667	32.67				ug/L
⌈	Mo	98	1621.015	0.00	0.5011	0.021	4.177	ug/L
|	Ag	107	28699.090	0.09	4.5359	0.127	2.806	ug/L
|	Cd	114	7035.859	0.02	5.5596	0.158	2.848	ug/L
| >	In	115	316731.685	316731.69				ug/L
|	Sn	118	150.001	0.00	-0.0432	0.000	1.085	ug/L
⌊	Sb	123	300.411	0.00	0.0781	0.001	1.440	ug/L
⌈	Ba	135	898007.846	2.01	537.8194	12.125	2.255	ug/L
|	Ce	140	251476.385	0.56				ug/L
⌊>	Tb	159	447632.011	447632.01				ug/L
⌈	Ho	165	4598.186	0.01				ug/L
|	Tl	203	44918.777	0.10	5.0068	0.074	1.473	ug/L
|	Tl	205	112449.926	0.26	5.0472	0.008	0.155	ug/L
|	Pb	206	113195.603	0.26	15.3044	0.598	3.905	ug/L
|	Pb	207	96585.249	0.22	13.8454	0.340	2.453	ug/L
|	Pb	208	452423.945	1.04	14.5840	0.437	2.998	ug/L
|	U	238	279926.449	0.64	5.4074	0.170	3.152	ug/L
⌊>	Bi	209	434458.619	434458.62				ug/L

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Na	23	843376.798	4.79	0.1586	0.006	3.524	mg/L	
Mg	24	6767475.959	39.07	2.0342	0.062	3.061	mg/L	
K	39	3148490.232	16.23	0.4061	0.007	1.801	mg/L	
Ca	43	103251.199	0.60	6.0551	0.368	6.078	mg/L	
Fe	54	6829145.503	39.18	12.2439	0.598	4.880	mg/L	
Fe	57	2947630.768	16.98	12.6349	0.300	2.371	mg/L	
> Sc-1	45	173272.009	173272.01				mg/L	
Cl	35	27013.104	14419.18				mg/L	
Kr	83	59.001	-10.00				mg/L	
Br	81	8772.514	190.16				mg/L	
P	31	74847.068	65038.92				mg/L	
S	34	153627.310	21548.71				mg/L	
Sr	88	758789.585	758719.58				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.189			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.613			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.372			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.713			

Sample ID: L1104010408SD WG360839-05
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1104010408SD WG360839-05
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 19:36:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21456.557	-0.01				ug/L
|	Be	9	16691.920	0.10	50.9020	0.787	1.546	ug/L
|	Al	27	274937.719	1.57	47.7938	3.392	7.097	ug/L
|>	Sc	45	173526.321	173526.32				ug/L
⌈	Ti	49	56793.149	0.19	97.4611	0.717	0.736	ug/L
|	V	51	457413.568	1.48	49.5647	0.305	0.616	ug/L
|	Cr	52	395313.383	1.26	49.7441	0.637	1.280	ug/L
|	Cr	53	46690.081	0.15	51.7869	0.874	1.687	ug/L
|	Mn	55	609081.417	1.99	50.1603	0.851	1.697	ug/L
|	Co	59	472047.038	1.54	50.2196	0.887	1.767	ug/L
|	Ni	60	100618.376	0.33	52.0247	0.696	1.338	ug/L
|	Cu	65	98570.806	0.32	50.2448	0.883	1.758	ug/L
|	Zn	66	60352.906	0.19	50.1382	1.168	2.330	ug/L
|>	Ge	72	306422.293	306422.29				ug/L
|	As	75	53815.925	0.18	50.8115	0.196	0.385	ug/L
|	Se	77	4617.066	0.01	52.4626	0.967	1.843	ug/L
|	Se	82	5709.606	0.02	52.2763	0.806	1.542	ug/L
⌊	Rb	85	2327.294	0.01				mg/L
	Y	89	240682.455	-11444.79				ug/L
	Rh	103	42.667	30.67				ug/L
⌈	Mo	98	333855.529	1.02	106.4438	1.776	1.669	ug/L
|	Ag	107	329753.511	1.01	50.5740	1.467	2.900	ug/L
|	Cd	114	65487.318	0.20	50.1390	0.474	0.946	ug/L
|>	In	115	327209.154	327209.15				ug/L
|	Sn	118	235982.787	0.72	50.6157	0.853	1.684	ug/L
⌊	Sb	123	198557.802	0.61	50.6676	0.753	1.487	ug/L
⌈	Ba	135	85872.326	0.19	50.5407	0.468	0.926	ug/L
|	Ce	140	90.009	0.00				ug/L
|>	Tb	159	455401.170	455401.17				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	449067.039	1.04	50.5036	0.079	0.156	ug/L
|	Tl	205	1103126.886	2.56	49.9687	0.259	0.519	ug/L
|	Pb	206	365140.201	0.85	50.0342	0.350	0.699	ug/L
|	Pb	207	345265.433	0.80	50.1753	0.247	0.491	ug/L
|	Pb	208	1537879.710	3.57	50.2481	0.152	0.303	ug/L
|	U	238	2618658.947	6.08	51.0185	0.804	1.575	ug/L
|>	Bi	209	430452.181	430452.18				ug/L

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Na	23	23884344.517	137.58	4.7902	0.065	1.362	mg/L	
Mg	24	15907656.831	91.72	4.7812	0.213	4.461	mg/L	
K	39	34384850.649	196.33	4.9593	0.255	5.141	mg/L	
Ca	43	83559.891	0.48	4.8857	0.223	4.559	mg/L	
Fe	54	2910107.564	16.51	5.1604	0.083	1.615	mg/L	
Fe	57	1223442.028	7.01	5.2171	0.112	2.153	mg/L	
> Sc-1	45	173526.321	173526.32				mg/L	
Cl	35	14139.991	1546.07				mg/L	
Kr	83	51.001	-18.00				mg/L	
Br	81	8737.818	155.47				mg/L	
P	31	9441.807	-366.34				mg/L	
S	34	148207.690	16129.09				mg/L	
Sr	88	2297.160	2227.15				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	99.129				
Cr	52	99.488				
Cr	53					
Mn	55	100.321				
Co	59	100.439				
Ni	60	104.049				
Cu	65	100.490				
Zn	66	100.276				
> Ge	72		95.922			
As	75	101.623				
Se	77					
Se	82	104.553				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.148				
Cd	114	100.278				
> In	115		95.677			
Sn	118					
Sb	123	101.335				
Ba	135	101.081				
Ce	140					
> Tb	159		96.010			
Ho	165					
Tl	203	101.007				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.496				
U	238	102.037				
> Bi	209		95.821			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 19:38:48

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 19:38:48

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 19:43:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21372.818	-0.01				ug/L
|	Be	9	9.333	-0.00	-0.0066	0.015	223.747	ug/L
|	Al	27	2366.947	0.00	-0.0060	0.012	198.400	ug/L
|>	Sc	45	171968.706	171968.71				ug/L
⌈	Ti	49	76.675	0.00	0.1015	0.053	52.349	ug/L
|	V	51	2820.491	-0.00	0.0191	0.010	53.167	ug/L
|	Cr	52	9126.255	0.00	0.0370	0.031	84.182	ug/L
|	Cr	53	176.686	0.00	-0.0370	0.034	90.904	ug/L
|	Mn	55	429.014	0.00	-0.0104	0.003	26.826	ug/L
|	Co	59	68.334	0.00	0.0053	0.000	6.800	ug/L
|	Ni	60	41.667	0.00	-0.0092	0.005	58.504	ug/L
|	Cu	65	188.670	-0.00	-0.0382	0.003	9.057	ug/L
|	Zn	66	1370.441	-0.00	-0.4820	0.006	1.169	ug/L
|>	Ge	72	316802.529	316802.53				ug/L
|	As	75	-266.285	-0.00	-0.0647	0.024	37.147	ug/L
|	Se	77	76.000	-0.00	0.0070	0.138	1958.829	ug/L
|	Se	82	-10.571	-0.00	-0.1417	0.042	29.360	ug/L
⌊	Rb	85	31.667	0.00				mg/L
	Y	89	252018.107	-109.14				ug/L
	Rh	103	13.000	1.00				ug/L
⌈	Mo	98	144.431	0.00	0.0116	0.007	59.397	ug/L
|	Ag	107	42.001	0.00	-0.0047	0.001	21.028	ug/L
|	Cd	114	2.430	0.00	-0.0050	0.001	14.442	ug/L
|>	In	115	338821.824	338821.82				ug/L
|	Sn	118	255.203	0.00	-0.0235	0.005	22.992	ug/L
⌊	Sb	123	74.365	0.00	0.0172	0.002	11.470	ug/L
⌈	Ba	135	29.334	0.00	0.0062	0.007	119.855	ug/L
|	Ce	140	23.336	0.00				ug/L
|>	Tb	159	463015.481	463015.48				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	170.003	0.00	0.0204	0.002	11.396	ug/L
|	Tl	205	406.716	0.00	0.0188	0.003	15.176	ug/L
|	Pb	206	375.344	0.00	-0.0445	0.002	4.420	ug/L
|	Pb	207	323.675	0.00	-0.0403	0.001	2.752	ug/L
|	Pb	208	1496.726	0.00	-0.0420	0.002	3.958	ug/L
|	U	238	125.669	0.00	0.0061	0.000	4.951	ug/L
|>	Bi	209	434677.468	434677.47				ug/L

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Na	23	15900.900	0.01	-0.0080	0.000	2.014	mg/L
Mg	24	780.109	0.00	-0.0039	0.000	1.033	mg/L
K	39	349035.174	0.09	-0.0020	0.004	220.100	mg/L
Ca	43	176.686	-0.00	-0.0068	0.003	37.782	mg/L
Fe	54	40777.529	-0.02	-0.0070	0.008	112.851	mg/L
Fe	57	6556.141	-0.00	-0.0035	0.002	61.254	mg/L
> Sc-1	45	171968.706	171968.71				mg/L
Cl	35	13728.751	1134.83				mg/L
Kr	83	65.668	-3.33				mg/L
Br	81	9309.666	727.32				mg/L
P	31	8934.666	-873.48				mg/L
S	34	145882.433	13803.84				mg/L
Sr	88	63.340	-6.67				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		99.171			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		99.073			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		97.615			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.762			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 19:45:53

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 19:45:53
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Wednesday, April 06, 2011 19:50:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22575.478	-0.01				ug/L
|	Be	9	16.000	-0.00	0.0117	0.018	155.786	ug/L
|	Al	27	2733.714	0.00	0.0461	0.098	213.036	ug/L
⌊>	Sc	45	177888.637	177888.64				ug/L
⌈	Ti	49	40.004	-0.00	0.0405	0.017	40.856	ug/L
|	V	51	6535.735	0.01	0.4082	0.009	2.214	ug/L
|	Cr	52	16018.647	0.02	0.8872	0.015	1.733	ug/L
|	Cr	53	993.482	0.00	0.8393	0.073	8.669	ug/L
|	Mn	55	6675.295	0.02	0.4857	0.010	2.056	ug/L
|	Co	59	4127.893	0.01	0.4215	0.005	1.161	ug/L
|	Ni	60	3413.283	0.01	1.6718	0.003	0.194	ug/L
|	Cu	65	1776.175	0.00	0.7434	0.005	0.677	ug/L
|	Zn	66	8559.748	0.02	5.4559	0.078	1.424	ug/L
| >	Ge	72	317937.962	317937.96				ug/L
|	As	75	233.587	0.00	0.3895	0.061	15.570	ug/L
|	Se	77	121.334	0.00	0.5079	0.053	10.510	ug/L
|	Se	82	40.751	0.00	0.3120	0.067	21.493	ug/L
⌊	Rb	85	22.000	-0.00				mg/L
	Y	89	248983.273	-3143.97				ug/L
	Rh	103	15.333	3.33				ug/L
⌈	Mo	98	73.243	0.00	-0.0102	0.003	30.206	ug/L
|	Ag	107	2871.108	0.01	0.4170	0.012	2.776	ug/L
|	Cd	114	308.908	0.00	0.2232	0.019	8.473	ug/L
| >	In	115	336698.208	336698.21				ug/L
|	Sn	118	149.868	0.00	-0.0452	0.001	1.562	ug/L
⌊	Sb	123	1639.846	0.00	0.4055	0.013	3.212	ug/L
⌈	Ba	135	1327.435	0.00	0.7595	0.015	1.958	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	462091.993	462091.99				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	848.044	0.00	0.0949	0.001	0.842	ug/L
|	Tl	205	1933.714	0.00	0.0864	0.002	1.921	ug/L
|	Pb	206	3333.923	0.01	0.3530	0.020	5.532	ug/L
|	Pb	207	3045.828	0.01	0.3475	0.014	3.973	ug/L
|	Pb	208	13982.383	0.03	0.3579	0.008	2.273	ug/L
|	U	238	20544.295	0.05	0.3957	0.004	1.066	ug/L
⌊>	Bi	209	439481.917	439481.92				ug/L

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Erin D. Long

Na	23	10056.074	-0.03	-0.0093	0.000	1.145	mg/L
Mg	24	380.045	0.00	-0.0040	0.000	0.229	mg/L
K	39	322951.223	-0.12	-0.0074	0.002	28.232	mg/L
Ca	43	196.688	0.00	-0.0061	0.001	14.388	mg/L
Fe	54	42018.810	-0.02	-0.0074	0.002	30.284	mg/L
Fe	57	7240.014	0.00	-0.0015	0.003	193.415	mg/L
> Sc-1	45	177888.637	177888.64				mg/L
Cl	35	12539.196	-54.73				mg/L
Kr	83	67.001	-2.00				mg/L
Br	81	9288.980	706.63				mg/L
P	31	9012.842	-795.30				mg/L
S	34	127564.689	-4513.91				mg/L
Sr	88	143.349	73.34				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	102.041				
Cr	52	110.900				
Cr	53					
Mn	55	97.140				
Co	59	105.382				
Ni	60	104.486				
Cu	65	92.920				
Zn	66	87.295				
> Ge	72		99.526			
As	75	97.366				
Se	77					
Se	82	78.003				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	104.244				
Cd	114	111.583				
> In	115		98.452			
Sn	118					
Sb	123	101.380				
Ba	135	101.262				
Ce	140					
> Tb	159		97.420			
Ho	165					
Tl	203	118.597				
Tl	205					
Pb	206					
Pb	207					
Pb	208	89.467				
U	238	98.931				
> Bi	209		97.831			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 8
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Method 6020 - Summary Report

Sample ID: PBW 47 WG360892-04

Sample Date/Time: Wednesday, April 06, 2011 19:57:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 56
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23845.082	-0.01				ug/L
|	Be	9	14.000	-0.00	0.0034	0.005	152.463	ug/L
|	Al	27	19919.824	0.09	2.7379	0.193	7.062	ug/L
⌊>	Sc	45	192012.995	192013.00				ug/L
⌈	Ti	49	73.341	0.00	0.0930	0.009	9.673	ug/L
|	V	51	3182.194	0.00	0.0489	0.003	5.573	ug/L
|	Cr	52	10901.715	0.00	0.2242	0.023	10.371	ug/L
|	Cr	53	346.707	0.00	0.1366	0.040	29.442	ug/L
|	Mn	55	2026.559	0.01	0.1130	0.004	3.159	ug/L
|	Co	59	80.668	0.00	0.0064	0.001	12.573	ug/L
|	Ni	60	412.346	0.00	0.1712	0.015	9.031	ug/L
|	Cu	65	979.058	0.00	0.3405	0.005	1.597	ug/L
|	Zn	66	4515.065	0.01	2.0339	0.105	5.166	ug/L
| >	Ge	72	324854.875	324854.87				ug/L
|	As	75	-171.599	0.00	0.0255	0.036	140.197	ug/L
|	Se	77	72.000	-0.00	-0.0584	0.095	163.204	ug/L
|	Se	82	8.174	0.00	0.0231	0.079	342.034	ug/L
⌊	Rb	85	56.001	0.00				mg/L
	Y	89	261378.076	9250.83				ug/L
	Rh	103	11.000	-1.00				ug/L
⌈	Mo	98	84.837	0.00	-0.0073	0.002	24.546	ug/L
|	Ag	107	40.334	0.00	-0.0051	0.000	1.204	ug/L
|	Cd	114	0.341	0.00	-0.0065	0.004	65.977	ug/L
| >	In	115	345999.260	345999.26				ug/L
|	Sn	118	388.274	0.00	0.0024	0.003	114.409	ug/L
⌊	Sb	123	129.990	0.00	0.0302	0.002	8.213	ug/L
⌈	Ba	135	301.674	0.00	0.1551	0.005	3.253	ug/L
|	Ce	140	243.361	0.00				ug/L
⌊>	Tb	159	487567.407	487567.41				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	243.006	0.00	0.0269	0.012	45.058	ug/L
|	Tl	205	530.070	0.00	0.0229	0.013	57.029	ug/L
|	Pb	206	519.352	0.00	-0.0290	0.000	1.323	ug/L
|	Pb	207	450.681	0.00	-0.0258	0.003	9.966	ug/L
|	Pb	208	2018.099	0.00	-0.0289	0.001	3.255	ug/L
|	U	238	72.334	0.00	0.0050	0.000	1.345	ug/L
⌊>	Bi	209	461744.679	461744.68				ug/L

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Na	23	93413.935	0.40	0.0058	0.001	17.163	mg/L	
Mg	24	33375.605	0.17	0.0050	0.001	10.753	mg/L	
K	39	402076.767	0.15	-0.0004	0.003	787.318	mg/L	
Ca	43	833.451	0.00	0.0270	0.004	14.191	mg/L	
Fe	54	98370.100	0.25	0.0793	0.013	16.032	mg/L	
Fe	57	8544.505	0.01	0.0013	0.003	209.848	mg/L	
> Sc-1	45	192012.995	192013.00				mg/L	
Cl	35	27265.123	14671.20				mg/L	
Kr	83	56.667	-12.33				mg/L	
Br	81	10807.175	2224.83				mg/L	
P	31	23275.724	13467.58				mg/L	
S	34	154694.104	22615.51				mg/L	
Sr	88	1887.034	1817.03				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		101.692			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		101.171			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		102.791			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		102.787			

Sample ID: PBW 47 WG360892-04
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 47 WG360892-04
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: LCSW 47 WG360892-05

Sample Date/Time: Wednesday, April 06, 2011 20:05:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 57
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23243.729	-0.00				ug/L
|	Be	9	8682.435	0.05	25.2571	0.478	1.894	ug/L
|	Al	27	166833.057	0.91	27.5213	2.157	7.837	ug/L
⌊>	Sc	45	181805.432	181805.43				ug/L
⌈	Ti	49	83.342	0.00	0.1146	0.096	83.796	ug/L
|	V	51	258522.635	0.82	27.2874	0.323	1.184	ug/L
|	Cr	52	234849.527	0.72	28.4566	0.156	0.548	ug/L
|	Cr	53	26765.161	0.09	28.9491	1.371	4.736	ug/L
|	Mn	55	359191.277	1.15	28.9263	0.323	1.117	ug/L
|	Co	59	272053.730	0.87	28.3197	0.413	1.460	ug/L
|	Ni	60	57435.388	0.18	29.0446	0.233	0.804	ug/L
|	Cu	65	56406.203	0.18	28.0764	0.315	1.122	ug/L
|	Zn	66	47607.198	0.15	38.3318	0.409	1.066	ug/L
|>	Ge	72	313149.355	313149.35				ug/L
|	As	75	26852.319	0.09	24.8996	0.318	1.276	ug/L
|	Se	77	2068.214	0.01	22.5230	0.470	2.086	ug/L
|	Se	82	2547.858	0.01	22.7993	0.162	0.709	ug/L
⌊	Rb	85	96.668	0.00				mg/L
	Y	89	252434.918	307.67				ug/L
	Rh	103	25.000	13.00				ug/L
⌈	Mo	98	69.580	0.00	-0.0112	0.004	32.962	ug/L
|	Ag	107	165089.260	0.49	24.7855	0.259	1.044	ug/L
|	Cd	114	34016.436	0.10	25.5081	0.364	1.427	ug/L
|>	In	115	334068.268	334068.27				ug/L
|	Sn	118	283.604	0.00	-0.0168	0.002	11.237	ug/L
⌊	Sb	123	103453.259	0.31	25.8519	0.107	0.413	ug/L
⌈	Ba	135	47900.601	0.10	27.3157	0.107	0.392	ug/L
|	Ce	140	256.696	0.00				ug/L
⌊>	Tb	159	469906.051	469906.05				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	252084.483	0.57	27.5550	0.259	0.939	ug/L
|	Tl	205	624586.809	1.41	27.4968	0.923	3.355	ug/L
|	Pb	206	210847.606	0.48	28.0429	0.265	0.944	ug/L
|	Pb	207	187410.775	0.42	26.4351	0.361	1.367	ug/L
|	Pb	208	868532.557	1.96	27.5446	0.253	0.918	ug/L
|	U	238	1452426.790	3.28	27.5090	0.524	1.905	ug/L
⌊>	Bi	209	442866.409	442866.41				ug/L

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Na	23	65594.389	0.28	0.0014	0.000	10.723	mg/L	
Mg	24	27604.143	0.15	0.0038	0.000	6.669	mg/L	
K	39	374903.360	0.12	-0.0012	0.004	311.109	mg/L	
Ca	43	586.743	0.00	0.0157	0.007	45.037	mg/L	
Fe	54	99293.108	0.29	0.0895	0.007	8.280	mg/L	
Fe	57	8551.186	0.01	0.0032	0.003	103.677	mg/L	
> Sc-1	45	181805.432	181805.43				mg/L	
Cl	35	22016.877	9422.95				mg/L	
Kr	83	58.334	-10.67				mg/L	
Br	81	9849.518	1267.17				mg/L	
P	31	18873.160	9065.01				mg/L	
S	34	145347.144	13268.55				mg/L	
Sr	88	1633.631	1563.62				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.027			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		97.683			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.068			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.585			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 47 WG360892-05
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Method 6020 - Summary Report

Sample ID: L1104014901 WG360892-03

Sample Date/Time: Wednesday, April 06, 2011 20:12:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 58
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25683.011	0.02				ug/L
|	Be	9	13.333	-0.00	0.0060	0.014	233.497	ug/L
|	Al	27	222919.631	1.31	39.8829	7.969	19.982	ug/L
⌊>	Sc	45	169613.516	169613.52				ug/L
⌈	Ti	49	776.775	0.00	1.3409	0.282	21.042	ug/L
|	V	51	9210.699	0.02	0.7510	0.028	3.733	ug/L
|	Cr	52	16870.403	0.03	1.1266	0.071	6.281	ug/L
|	Cr	53	1023.489	0.00	0.9411	0.129	13.758	ug/L
|	Mn	55	135953.012	0.45	11.4485	0.067	0.589	ug/L
|	Co	59	1641.485	0.01	0.1774	0.003	1.880	ug/L
|	Ni	60	1927.205	0.01	0.9925	0.042	4.261	ug/L
|	Cu	65	1202.084	0.00	0.4986	0.017	3.404	ug/L
|	Zn	66	11447.997	0.03	8.4514	0.184	2.178	ug/L
|>	Ge	72	298763.124	298763.12				ug/L
|	As	75	1758.513	0.01	1.8744	0.044	2.373	ug/L
|	Se	77	84.667	0.00	0.1610	0.201	125.045	ug/L
|	Se	82	34.873	0.00	0.2798	0.038	13.628	ug/L
⌊	Rb	85	5809.078	0.02				mg/L
	Y	89	234081.361	-18045.88				ug/L
	Rh	103	49.001	37.00				ug/L
⌈	Mo	98	10082.685	0.03	3.3477	0.030	0.904	ug/L
|	Ag	107	45.334	0.00	-0.0036	0.001	20.917	ug/L
|	Cd	114	18.156	0.00	0.0079	0.002	20.554	ug/L
|>	In	115	311168.773	311168.77				ug/L
|	Sn	118	180.002	0.00	-0.0358	0.001	3.579	ug/L
⌊	Sb	123	879.621	0.00	0.2349	0.009	3.770	ug/L
⌈	Ba	135	27527.782	0.06	16.4343	0.229	1.393	ug/L
|	Ce	140	1300.215	0.00				ug/L
⌊>	Tb	159	448763.403	448763.40				ug/L
⌈	Ho	165	56.673	0.00				ug/L
|	Tl	203	1416.448	0.00	0.1604	0.001	0.771	ug/L
|	Tl	205	3774.425	0.01	0.1712	0.012	6.960	ug/L
|	Pb	206	701.032	0.00	0.0006	0.005	979.936	ug/L
|	Pb	207	625.693	0.00	0.0039	0.004	99.120	ug/L
|	Pb	208	2845.521	0.00	0.0024	0.004	158.906	ug/L
|	U	238	11922.223	0.03	0.2355	0.004	1.857	ug/L
⌊>	Bi	209	431376.512	431376.51				ug/L

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Na	23	19014051.758	112.23	3.9059	0.186	4.752	mg/L	
Mg	24	6637970.052	39.21	2.0415	0.092	4.504	mg/L	
K	39	4752107.596	26.12	0.6560	0.028	4.247	mg/L	
Ca	43	170736.759	1.01	10.2596	0.725	7.068	mg/L	
Fe	54	94495.600	0.30	0.0934	0.015	16.117	mg/L	
Fe	57	23847.450	0.10	0.0730	0.007	8.989	mg/L	
> Sc-1	45	169613.516	169613.52				mg/L	
Cl	35	107547.356	94953.43				mg/L	
Kr	83	53.001	-16.00				mg/L	
Br	81	15805.826	7223.48				mg/L	
P	31	15986.840	6178.69				mg/L	
S	34	338928.862	206850.27				mg/L	
Sr	88	1258289.150	1258219.14				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.524			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.987			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.610			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.027			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901 WG360892-03
Report Date/Time: Wednesday, April 06, 2011 20:14:31
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Method 6020 - Summary Report

Sample ID: L1104014901DUP WG360892-09

Sample Date/Time: Wednesday, April 06, 2011 20:19:25
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 59
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22324.949	0.00				ug/L
|	Be	9	12.000	-0.00	0.0035	0.018	496.914	ug/L
|	Al	27	196046.870	1.18	35.8540	2.550	7.112	ug/L
⌊>	Sc	45	164376.776	164376.78				ug/L
⌈	Ti	49	706.763	0.00	1.2416	0.144	11.625	ug/L
|	V	51	8556.158	0.02	0.6958	0.009	1.273	ug/L
|	Cr	52	16068.062	0.03	1.0605	0.021	2.018	ug/L
|	Cr	53	1143.515	0.00	1.1044	0.259	23.414	ug/L
|	Mn	55	123610.853	0.42	10.5999	0.072	0.679	ug/L
|	Co	59	1549.469	0.01	0.1705	0.003	1.932	ug/L
|	Ni	60	1789.511	0.01	0.9371	0.018	1.922	ug/L
|	Cu	65	1122.408	0.00	0.4678	0.019	4.032	ug/L
|	Zn	66	4690.480	0.01	2.5836	0.028	1.080	ug/L
|>	Ge	72	293306.274	293306.27				ug/L
|	As	75	1511.960	0.01	1.6640	0.037	2.237	ug/L
|	Se	77	70.667	-0.00	0.0105	0.100	955.685	ug/L
|	Se	82	28.171	0.00	0.2217	0.153	68.810	ug/L
⌊	Rb	85	5212.077	0.02				mg/L
	Y	89	223308.190	-28819.05				ug/L
	Rh	103	51.667	39.67				ug/L
⌈	Mo	98	8676.718	0.03	2.9551	0.044	1.494	ug/L
|	Ag	107	40.667	0.00	-0.0042	0.000	7.974	ug/L
|	Cd	114	11.901	0.00	0.0032	0.011	348.541	ug/L
|>	In	115	302995.267	302995.27				ug/L
|	Sn	118	196.002	0.00	-0.0310	0.002	6.342	ug/L
⌊	Sb	123	672.062	0.00	0.1841	0.008	4.289	ug/L
⌈	Ba	135	24810.658	0.06	15.2685	0.121	0.790	ug/L
|	Ce	140	1170.186	0.00				ug/L
⌊>	Tb	159	435296.027	435296.03				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	1296.097	0.00	0.1494	0.009	5.794	ug/L
|	Tl	205	3194.163	0.01	0.1475	0.002	1.170	ug/L
|	Pb	206	680.030	0.00	-0.0007	0.003	358.340	ug/L
|	Pb	207	600.024	0.00	0.0017	0.002	120.219	ug/L
|	Pb	208	2804.852	0.00	0.0027	0.004	153.097	ug/L
|	U	238	10975.463	0.03	0.2208	0.004	1.830	ug/L
⌊>	Bi	209	423991.220	423991.22				ug/L

Sample ID: L1104014901DUP WG360892-09
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Na	23	17371476.607	105.96	3.6872	0.300	8.144	mg/L
Mg	24	5855652.253	35.68	1.8572	0.071	3.824	mg/L
K	39	4361388.399	24.61	0.6179	0.014	2.255	mg/L
Ca	43	151957.729	0.93	9.4153	0.467	4.958	mg/L
Fe	54	85543.419	0.26	0.0816	0.008	9.838	mg/L
Fe	57	21889.481	0.10	0.0676	0.010	15.046	mg/L
> Sc-1	45	164376.776	164376.78				mg/L
Cl	35	97335.556	84741.63				mg/L
Kr	83	57.001	-12.00				mg/L
Br	81	15887.950	7305.60				mg/L
P	31	15000.741	5192.59				mg/L
S	34	323267.434	191188.84				mg/L
Sr	88	1130581.778	1130511.77				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.816			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.597			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.771			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.383			

Sample ID: L1104014901DUP WG360892-09
Report Date/Time: Wednesday, April 06, 2011 20:21:38
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Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901DUP WG360892-09
Report Date/Time: Wednesday, April 06, 2011 20:21:38
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104014901PS WG360944-01

Sample Date/Time: Wednesday, April 06, 2011 20:26:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 60
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24045.621	0.02				ug/L
|	Be	9	15807.152	0.10	54.2758	4.434	8.169	ug/L
|	Al	27	511025.239	3.32	100.9861	17.719	17.546	ug/L
⌊>	Sc	45	154811.617	154811.62				ug/L
⌈	Ti	49	750.104	0.00	1.3247	0.328	24.756	ug/L
|	V	51	427691.390	1.45	48.5293	0.563	1.159	ug/L
|	Cr	52	384319.078	1.28	50.6628	0.402	0.794	ug/L
|	Cr	53	44382.705	0.15	51.5568	0.875	1.696	ug/L
|	Mn	55	718527.498	2.45	61.9752	0.495	0.799	ug/L
|	Co	59	453006.124	1.55	50.4659	0.346	0.687	ug/L
|	Ni	60	98134.150	0.34	53.1402	0.445	0.837	ug/L
|	Cu	65	94811.959	0.32	50.6147	0.449	0.887	ug/L
|	Zn	66	54651.160	0.18	47.4675	0.888	1.871	ug/L
|>	Ge	72	292596.860	292596.86				ug/L
|	As	75	49267.686	0.17	48.7268	0.840	1.724	ug/L
|	Se	77	3828.066	0.01	45.4457	0.839	1.847	ug/L
|	Se	82	4652.635	0.02	44.6156	1.398	3.133	ug/L
⌊	Rb	85	5325.471	0.02				mg/L
	Y	89	220015.948	-32111.30				ug/L
	Rh	103	69.668	57.67				ug/L
⌈	Mo	98	8949.528	0.03	3.0499	0.040	1.312	ug/L
|	Ag	107	298083.034	0.98	49.3713	0.992	2.010	ug/L
|	Cd	114	57213.295	0.19	47.3257	1.399	2.955	ug/L
|>	In	115	302902.672	302902.67				ug/L
|	Sn	118	267.337	0.00	-0.0145	0.003	23.984	ug/L
⌊	Sb	123	177250.628	0.59	48.8520	0.143	0.293	ug/L
⌈	Ba	135	102695.380	0.23	61.7516	0.754	1.221	ug/L
|	Ce	140	1226.865	0.00				ug/L
⌊>	Tb	159	445757.186	445757.19				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	441147.999	1.01	49.0893	0.439	0.894	ug/L
|	Tl	205	1085499.567	2.50	48.6580	0.778	1.599	ug/L
|	Pb	206	375987.212	0.86	50.9805	0.796	1.561	ug/L
|	Pb	207	332399.742	0.76	47.7965	0.713	1.493	ug/L
|	Pb	208	1522992.157	3.50	49.2359	0.664	1.348	ug/L
|	U	238	2603328.852	5.98	50.1909	0.951	1.895	ug/L
⌊>	Bi	209	435089.312	435089.31				ug/L

Sample ID: L1104014901PS WG360944-01
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Na	23	17754361.257	115.15	4.0078	0.332	8.280	mg/L	
Mg	24	6069191.733	39.49	2.0561	0.259	12.621	mg/L	
K	39	4566213.472	27.69	0.6957	0.063	9.039	mg/L	
Ca	43	165187.014	1.07	10.8946	0.863	7.925	mg/L	
Fe	54	92103.054	0.34	0.1056	0.018	16.752	mg/L	
Fe	57	27813.981	0.14	0.1012	0.037	36.164	mg/L	
> Sc-1	45	154811.617	154811.62				mg/L	
Cl	35	101485.725	88891.80				mg/L	
Kr	83	60.001	-9.00				mg/L	
Br	81	15449.272	6866.92				mg/L	
P	31	15044.658	5236.51				mg/L	
S	34	335433.407	203354.81				mg/L	
Sr	88	1181147.441	1181077.43				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.594			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.570			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.977			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.853			

Sample ID: L1104014901PS WG360944-01
Report Date/Time: Wednesday, April 06, 2011 20:28:44
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901PS WG360944-01
Report Date/Time: Wednesday, April 06, 2011 20:28:44
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104014901SDL WG360944-02

Sample Date/Time: Wednesday, April 06, 2011 20:33:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 61
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22826.055	0.01				ug/L
|	Be	9	18.000	-0.00	0.0255	0.017	66.516	ug/L
|	Al	27	41608.618	0.25	7.6615	3.043	39.718	ug/L
⌊>	Sc	45	158786.825	158786.82				ug/L
⌈	Ti	49	180.020	0.00	0.2947	0.091	31.037	ug/L
|	V	51	3816.885	0.00	0.1533	0.003	1.887	ug/L
|	Cr	52	9990.423	0.01	0.2348	0.018	7.608	ug/L
|	Cr	53	390.047	0.00	0.2239	0.102	45.700	ug/L
|	Mn	55	26004.695	0.09	2.1796	0.018	0.812	ug/L
|	Co	59	362.677	0.00	0.0383	0.002	6.120	ug/L
|	Ni	60	468.682	0.00	0.2215	0.007	3.335	ug/L
|	Cu	65	323.342	0.00	0.0400	0.009	23.378	ug/L
|	Zn	66	3475.972	0.01	1.4747	0.063	4.262	ug/L
|>	Ge	72	295309.767	295309.77				ug/L
|	As	75	213.824	0.00	0.3862	0.037	9.683	ug/L
|	Se	77	77.334	0.00	0.0843	0.085	100.385	ug/L
|	Se	82	10.267	0.00	0.0496	0.019	38.409	ug/L
⌊	Rb	85	1140.410	0.00				mg/L
	Y	89	227443.527	-24683.72				ug/L
	Rh	103	20.000	8.00				ug/L
⌈	Mo	98	1852.875	0.01	0.5943	0.012	1.979	ug/L
|	Ag	107	40.334	0.00	-0.0043	0.001	33.365	ug/L
|	Cd	114	5.843	0.00	-0.0020	0.002	92.391	ug/L
|>	In	115	308196.044	308196.04				ug/L
|	Sn	118	129.601	0.00	-0.0469	0.003	5.512	ug/L
⌊	Sb	123	492.880	0.00	0.1324	0.007	5.457	ug/L
⌈	Ba	135	5240.425	0.01	3.1644	0.079	2.511	ug/L
|	Ce	140	276.698	0.00				ug/L
⌊>	Tb	159	442500.148	442500.15				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	304.341	0.00	0.0353	0.001	1.490	ug/L
|	Tl	205	786.776	0.00	0.0359	0.003	8.900	ug/L
|	Pb	206	453.348	0.00	-0.0339	0.003	9.338	ug/L
|	Pb	207	394.345	0.00	-0.0302	0.002	8.194	ug/L
|	Pb	208	1850.420	0.00	-0.0305	0.001	3.910	ug/L
|	U	238	2331.295	0.01	0.0487	0.001	1.271	ug/L
⌊>	Bi	209	434806.750	434806.75				ug/L

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Na	23	3540985.053	22.28	0.7688	0.059	7.656	mg/L	
Mg	24	1364284.743	8.62	0.4456	0.037	8.408	mg/L	
K	39	1292866.745	6.22	0.1530	0.016	10.456	mg/L	
Ca	43	32108.044	0.20	2.0477	0.169	8.267	mg/L	
Fe	54	49989.078	0.06	0.0173	0.005	29.236	mg/L	
Fe	57	9405.373	0.02	0.0122	0.001	4.240	mg/L	
> Sc-1	45	158786.825	158786.82				mg/L	
Cl	35	30043.736	17449.81				mg/L	
Kr	83	46.001	-23.00				mg/L	
Br	81	9513.190	930.84				mg/L	
P	31	9784.805	-23.34				mg/L	
S	34	179300.519	47221.92				mg/L	
Sr	88	236128.921	236058.91				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		92.443			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.118			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.290			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.790			

Sample ID: L1104014901SDL WG360944-02
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901SDL WG360944-02
Report Date/Time: Wednesday, April 06, 2011 20:35:51
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 20:40:46
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22291.487	0.00				ug/L
|	Be	9	17308.304	0.10	54.9976	2.458	4.469	ug/L
|	Al	27	286651.817	1.71	51.9519	2.734	5.263	ug/L
⌊>	Sc	45	166661.749	166661.75				ug/L
⌈	Ti	49	55127.182	0.18	96.2073	4.127	4.290	ug/L
|	V	51	443829.753	1.46	48.8986	0.552	1.128	ug/L
|	Cr	52	388646.463	1.26	49.7287	0.206	0.415	ug/L
|	Cr	53	45943.237	0.15	51.8163	0.932	1.798	ug/L
|	Mn	55	597556.216	1.98	50.0404	0.279	0.557	ug/L
|	Co	59	473689.828	1.57	51.2417	0.543	1.060	ug/L
|	Ni	60	98603.165	0.33	51.8394	0.741	1.430	ug/L
|	Cu	65	97026.100	0.32	50.2909	0.655	1.303	ug/L
|	Zn	66	60407.843	0.20	51.0596	0.274	0.538	ug/L
| >	Ge	72	301338.535	301338.54				ug/L
|	As	75	53170.191	0.18	51.0477	0.224	0.439	ug/L
|	Se	77	4560.374	0.01	52.6896	1.893	3.593	ug/L
|	Se	82	5554.855	0.02	51.7173	0.328	0.634	ug/L
⌊	Rb	85	2222.936	0.01				mg/L
	Y	89	231171.213	-20956.03				ug/L
	Rh	103	33.000	21.00				ug/L
⌈	Mo	98	320237.858	1.01	105.3979	1.422	1.349	ug/L
|	Ag	107	318924.289	1.01	50.4839	0.124	0.246	ug/L
|	Cd	114	63724.723	0.20	50.3786	0.787	1.562	ug/L
| >	In	115	316901.277	316901.28				ug/L
|	Sn	118	227814.330	0.72	50.4418	0.398	0.790	ug/L
⌊	Sb	123	192272.020	0.61	50.6508	0.481	0.949	ug/L
⌈	Ba	135	83876.471	0.18	49.5172	0.318	0.643	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	454004.819	454004.82				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	454873.973	1.03	50.0628	0.308	0.615	ug/L
|	Tl	205	1113610.854	2.53	49.3686	0.845	1.712	ug/L
|	Pb	206	369289.745	0.84	49.5231	0.745	1.504	ug/L
|	Pb	207	350559.744	0.80	49.8590	0.874	1.753	ug/L
|	Pb	208	1553209.618	3.53	49.6646	0.346	0.696	ug/L
|	U	238	2664809.870	6.06	50.8119	1.198	2.359	ug/L
⌊>	Bi	209	439851.163	439851.16				ug/L

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Na	23	23386594.471	140.30	4.8850	0.113	2.318	mg/L	
Mg	24	16089370.081	96.58	5.0343	0.216	4.291	mg/L	
K	39	33448061.366	198.96	5.0258	0.248	4.928	mg/L	
Ca	43	81848.845	0.49	4.9862	0.250	5.009	mg/L	
Fe	54	2834169.005	16.76	5.2369	0.165	3.151	mg/L	
Fe	57	1190640.778	7.12	5.2933	0.339	6.397	mg/L	
> Sc-1	45	166661.749	166661.75				mg/L	
Cl	35	13941.045	1347.12				mg/L	
Kr	83	50.334	-18.67				mg/L	
Br	81	8071.256	-511.09				mg/L	
P	31	8843.251	-964.90				mg/L	
S	34	155690.416	23611.82				mg/L	
Sr	88	2207.133	2137.13				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	97.797				
Cr	52	99.457				
Cr	53					
Mn	55	100.081				
Co	59	102.483				
Ni	60	103.679				
Cu	65	100.582				
Zn	66	102.119				
> Ge	72		94.330			
As	75	102.095				
Se	77					
Se	82	103.435				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.968				
Cd	114	100.757				
> In	115		92.663			
Sn	118					
Sb	123	101.302				
Ba	135	99.034				
Ce	140					
> Tb	159		95.716			
Ho	165					
Tl	203	100.126				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.329				
U	238	101.624				
> Bi	209		97.913			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 20:42:59

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 20:47:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21656.781	-0.01				ug/L
|	Be	9	9.333	-0.00	-0.0063	0.016	259.583	ug/L
|	Al	27	1833.503	-0.00	-0.1013	0.045	44.437	ug/L
⌊>	Sc	45	172831.942	172831.94				ug/L
⌈	Ti	49	63.340	0.00	0.0823	0.026	31.442	ug/L
|	V	51	2760.858	-0.00	0.0207	0.003	15.555	ug/L
|	Cr	52	8688.194	-0.00	0.0119	0.021	172.877	ug/L
|	Cr	53	206.689	0.00	0.0013	0.028	2137.442	ug/L
|	Mn	55	356.343	0.00	-0.0154	0.002	15.927	ug/L
|	Co	59	57.667	0.00	0.0044	0.001	28.208	ug/L
|	Ni	60	36.334	0.00	-0.0114	0.001	5.821	ug/L
|	Cu	65	181.337	-0.00	-0.0394	0.007	17.652	ug/L
|	Zn	66	1344.437	-0.00	-0.4731	0.025	5.294	ug/L
|>	Ge	72	308378.086	308378.09				ug/L
|	As	75	-172.715	0.00	0.0164	0.047	284.376	ug/L
|	Se	77	73.334	-0.00	-0.0009	0.245	27985.813	ug/L
|	Se	82	4.867	0.00	-0.0034	0.069	2060.550	ug/L
⌊	Rb	85	18.667	-0.00				mg/L
	Y	89	243045.641	-9081.60				ug/L
	Rh	103	16.667	4.67				ug/L
⌈	Mo	98	132.093	0.00	0.0094	0.005	58.007	ug/L
|	Ag	107	41.000	0.00	-0.0046	0.000	10.795	ug/L
|	Cd	114	-5.370	-0.00	-0.0109	0.002	20.689	ug/L
|>	In	115	325615.995	325616.00				ug/L
|	Sn	118	289.604	0.00	-0.0140	0.006	42.415	ug/L
⌊	Sb	123	112.407	0.00	0.0277	0.001	4.159	ug/L
⌈	Ba	135	26.667	0.00	0.0049	0.002	49.813	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	455689.814	455689.81				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	42.001	0.00	0.0061	0.000	6.247	ug/L
|	Tl	205	106.678	0.00	0.0053	0.000	4.679	ug/L
|	Pb	206	364.677	0.00	-0.0468	0.002	4.491	ug/L
|	Pb	207	312.675	-0.00	-0.0427	0.003	7.017	ug/L
|	Pb	208	1479.392	0.00	-0.0434	0.001	2.343	ug/L
|	U	238	151.669	0.00	0.0066	0.000	5.944	ug/L
⌊>	Bi	209	442141.739	442141.74				ug/L

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 20:50:03
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Na	23	15136.295	0.00	-0.0082	0.000	1.149	mg/L
Mg	24	620.082	0.00	-0.0039	0.000	0.779	mg/L
K	39	340417.575	0.03	-0.0036	0.002	45.572	mg/L
Ca	43	190.021	0.00	-0.0061	0.003	48.472	mg/L
Fe	54	39992.950	-0.03	-0.0090	0.001	7.129	mg/L
Fe	57	6119.155	-0.00	-0.0056	0.001	14.202	mg/L
> Sc-1	45	172831.942	172831.94				mg/L
Cl	35	13607.253	1013.33				mg/L
Kr	83	53.667	-15.33				mg/L
Br	81	8211.371	-370.98				mg/L
P	31	9936.957	128.81				mg/L
S	34	157933.032	25854.44				mg/L
Sr	88	76.675	6.67				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.534			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.211			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.071			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.423			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 20:50:03
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 20:50:03
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: PBS 60 WG360983-02

Sample Date/Time: Wednesday, April 06, 2011 20:54:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 62
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25231.819	0.02				ug/L
|	Be	9	11.333	-0.00	0.0003	0.017	4888.552	ug/L
|	Al	27	27320.639	0.15	4.4600	0.277	6.222	ug/L
⌊>	Sc	45	170271.430	170271.43				ug/L
⌈	Ti	49	123.346	0.00	0.1839	0.052	28.265	ug/L
|	V	51	2944.949	0.00	0.0393	0.010	25.806	ug/L
|	Cr	52	10309.081	0.00	0.2137	0.005	2.553	ug/L
|	Cr	53	330.039	0.00	0.1366	0.096	70.330	ug/L
|	Mn	55	1669.489	0.00	0.0916	0.002	2.556	ug/L
|	Co	59	81.668	0.00	0.0069	0.001	14.199	ug/L
|	Ni	60	150.003	0.00	0.0467	0.004	9.127	ug/L
|	Cu	65	264.673	0.00	0.0024	0.009	386.385	ug/L
|	Zn	66	3578.009	0.01	1.4177	0.016	1.111	ug/L
|>	Ge	72	309642.668	309642.67				ug/L
|	As	75	-222.124	0.00	-0.0289	0.056	192.837	ug/L
|	Se	77	66.000	-0.00	-0.0885	0.123	139.241	ug/L
|	Se	82	-2.203	0.00	-0.0676	0.091	135.162	ug/L
⌊	Rb	85	62.667	0.00				mg/L
	Y	89	244656.049	-7471.19				ug/L
	Rh	103	13.667	1.67				ug/L
⌈	Mo	98	93.065	0.00	-0.0030	0.004	140.373	ug/L
|	Ag	107	150.669	0.00	0.0124	0.001	7.031	ug/L
|	Cd	114	-3.045	0.00	-0.0091	0.008	85.569	ug/L
|>	In	115	324738.421	324738.42				ug/L
|	Sn	118	277.337	0.00	-0.0165	0.001	3.676	ug/L
⌊	Sb	123	127.741	0.00	0.0317	0.002	5.613	ug/L
⌈	Ba	135	87.001	0.00	0.0400	0.006	16.128	ug/L
|	Ce	140	173.352	0.00				ug/L
⌊>	Tb	159	458370.423	458370.42				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	28.334	0.00	0.0046	0.001	20.410	ug/L
|	Tl	205	63.340	0.00	0.0034	0.001	33.111	ug/L
|	Pb	206	466.682	0.00	-0.0331	0.005	15.424	ug/L
|	Pb	207	402.012	0.00	-0.0300	0.003	8.353	ug/L
|	Pb	208	1829.750	0.00	-0.0322	0.001	2.680	ug/L
|	U	238	83.668	0.00	0.0053	0.000	5.144	ug/L
⌊>	Bi	209	441768.918	441768.92				ug/L

Sample ID: PBS 60 WG360983-02
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⌈	Na	23	52563.099	0.23	-0.0005	0.000	24.521	mg/L
|	Mg	24	13457.080	0.08	0.0000	0.000	627.854	mg/L
|	K	39	345360.495	0.09	-0.0021	0.002	95.246	mg/L
|	Ca	43	420.051	0.00	0.0078	0.002	30.710	mg/L
|	Fe	54	75700.928	0.19	0.0577	0.003	6.023	mg/L
|	Fe	57	7173.290	0.00	-0.0005	0.002	320.824	mg/L
⌊>	Sc-1	45	170271.430	170271.43				mg/L
	Cl	35	23180.837	10586.91				mg/L
	Kr	83	61.667	-7.33				mg/L
	Br	81	10972.023	2389.67				mg/L
	P	31	16564.045	6755.90				mg/L
	S	34	149690.693	17612.10				mg/L
	Sr	88	886.795	816.79				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.930			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.955			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.636			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.340			

Sample ID: PBS 60 WG360983-02
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 60 WG360983-02
Report Date/Time: Wednesday, April 06, 2011 20:57:11
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: LCSS 60WG360983-03

Sample Date/Time: Wednesday, April 06, 2011 21:02:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 63
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22558.776	-0.01				ug/L
|	Be	9	7929.143	0.04	23.2214	1.244	5.355	ug/L
|	Al	27	143472.794	0.78	23.7340	0.884	3.723	ug/L
⌊>	Sc	45	180702.381	180702.38				ug/L
⌈	Ti	49	80.008	0.00	0.1085	0.078	71.664	ug/L
|	V	51	227452.659	0.71	23.8818	0.598	2.505	ug/L
|	Cr	52	211062.574	0.64	25.3609	0.291	1.149	ug/L
|	Cr	53	24098.078	0.08	25.9402	0.510	1.965	ug/L
|	Mn	55	314454.825	1.00	25.2186	0.157	0.622	ug/L
|	Co	59	239863.014	0.76	24.8709	0.139	0.557	ug/L
|	Ni	60	51852.274	0.16	26.1161	0.100	0.384	ug/L
|	Cu	65	50611.945	0.16	25.0782	0.218	0.871	ug/L
|	Zn	66	31216.631	0.09	24.4743	0.273	1.114	ug/L
|>	Ge	72	314378.115	314378.11				ug/L
|	As	75	24514.455	0.08	22.6590	0.286	1.263	ug/L
|	Se	77	1990.198	0.01	21.5515	0.655	3.039	ug/L
|	Se	82	2412.497	0.01	21.5013	0.236	1.097	ug/L
⌊	Rb	85	42.334	0.00				mg/L
	Y	89	248457.437	-3669.81				ug/L
	Rh	103	24.000	12.00				ug/L
⌈	Mo	98	90.649	0.00	-0.0043	0.002	47.820	ug/L
|	Ag	107	144918.966	0.44	21.9679	0.097	0.442	ug/L
|	Cd	114	30537.525	0.09	23.1218	0.301	1.304	ug/L
|>	In	115	330830.674	330830.67				ug/L
|	Sn	118	222.136	0.00	-0.0293	0.002	5.868	ug/L
⌊	Sb	123	92858.495	0.28	23.4324	0.386	1.646	ug/L
⌈	Ba	135	42003.114	0.09	24.1135	0.330	1.368	ug/L
|	Ce	140	83.342	0.00				ug/L
⌊>	Tb	159	466815.001	466815.00				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	226740.645	0.50	24.2411	0.133	0.547	ug/L
|	Tl	205	561905.226	1.24	24.1958	0.066	0.271	ug/L
|	Pb	206	193820.955	0.43	25.2004	0.147	0.584	ug/L
|	Pb	207	170148.034	0.38	23.4577	0.221	0.941	ug/L
|	Pb	208	790996.219	1.74	24.5218	0.189	0.769	ug/L
|	U	238	1310519.213	2.89	24.2732	0.100	0.414	ug/L
⌊>	Bi	209	452817.191	452817.19				ug/L

Sample ID: LCSS 60WG360983-03
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⌈	Na	23	48076.794	0.18	-0.0020	0.000	5.892	mg/L
|	Mg	24	7596.987	0.04	-0.0019	0.000	10.067	mg/L
|	K	39	350188.768	-0.00	-0.0044	0.002	36.250	mg/L
|	Ca	43	380.045	0.00	0.0041	0.003	71.964	mg/L
|	Fe	54	77050.692	0.17	0.0521	0.007	14.240	mg/L
|	Fe	57	6786.318	-0.00	-0.0039	0.002	59.027	mg/L
⌊>	Sc-1	45	180702.381	180702.38				mg/L
	Cl	35	22262.086	9668.16				mg/L
	Kr	83	57.334	-11.67				mg/L
	Br	81	9841.511	1259.16				mg/L
	P	31	16896.998	7088.85				mg/L
	S	34	155323.662	23245.07				mg/L
	Sr	88	470.058	400.05				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.412			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.736			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.416			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.800			

Sample ID: LCSS 60WG360983-03
Report Date/Time: Wednesday, April 06, 2011 21:04:18
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 60WG360983-03
Report Date/Time: Wednesday, April 06, 2011 21:04:18
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104005906

Sample Date/Time: Wednesday, April 06, 2011 21:09:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 64
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22692.414	0.00				ug/L
|	Be	9	44.667	0.00	0.1027	0.040	38.662	ug/L
|	Al	27	12684529.142	74.35	2261.6963	78.097	3.453	ug/L
⌊>	Sc	45	170576.661	170576.66				ug/L
⌈	Ti	49	100365.940	0.32	169.2360	11.451	6.766	ug/L
|	V	51	86650.537	0.27	8.9982	0.423	4.701	ug/L
|	Cr	52	37602.391	0.09	3.6532	0.249	6.818	ug/L
|	Cr	53	3681.049	0.01	3.8009	0.341	8.982	ug/L
|	Mn	55	897414.211	2.88	72.6304	3.390	4.668	ug/L
|	Co	59	20061.006	0.06	2.0950	0.110	5.249	ug/L
|	Ni	60	5682.340	0.02	2.8580	0.149	5.215	ug/L
|	Cu	65	6697.981	0.02	3.2315	0.205	6.346	ug/L
|	Zn	66	21373.391	0.06	16.3887	0.754	4.600	ug/L
|>	Ge	72	311898.615	311898.61				ug/L
|	As	75	1457.602	0.01	1.5252	0.070	4.611	ug/L
|	Se	77	82.000	0.00	0.0882	0.083	94.088	ug/L
|	Se	82	12.789	0.00	0.0672	0.042	62.482	ug/L
⌊	Rb	85	126514.453	0.41				mg/L
	Y	89	264272.563	12145.32				ug/L
	Rh	103	19.000	7.00				ug/L
⌈	Mo	98	350.032	0.00	0.0805	0.010	12.592	ug/L
|	Ag	107	125.669	0.00	0.0087	0.003	36.859	ug/L
|	Cd	114	36.243	0.00	0.0214	0.005	25.339	ug/L
|>	In	115	321788.641	321788.64				ug/L
|	Sn	118	687.357	0.00	0.0736	0.008	10.757	ug/L
⌊	Sb	123	65.863	0.00	0.0160	0.002	11.730	ug/L
⌈	Ba	135	52723.790	0.12	31.3578	1.963	6.261	ug/L
|	Ce	140	210949.781	0.47				ug/L
⌊>	Tb	159	450681.351	450681.35				ug/L
⌈	Ho	165	1810.345	0.00				ug/L
|	Tl	203	781.705	0.00	0.0879	0.005	5.916	ug/L
|	Tl	205	1947.051	0.00	0.0873	0.001	0.812	ug/L
|	Pb	206	12579.719	0.03	1.6030	0.106	6.584	ug/L
|	Pb	207	10231.675	0.02	1.3779	0.073	5.285	ug/L
|	Pb	208	49402.040	0.11	1.4999	0.092	6.115	ug/L
|	U	238	77872.471	0.18	1.4957	0.090	6.001	ug/L
⌊>	Bi	209	437716.957	437716.96				ug/L

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Na	23	185008.932	1.00	0.0266	0.003	11.822	mg/L	
Mg	24	4857351.880	28.47	1.4815	0.082	5.561	mg/L	
K	39	8545713.865	48.14	1.2126	0.073	6.052	mg/L	
Ca	43	14365.107	0.08	0.8398	0.036	4.267	mg/L	
Fe	54	2904020.601	16.76	5.2366	0.170	3.240	mg/L	
Fe	57	1211282.641	7.06	5.2539	0.172	3.277	mg/L	
> Sc-1	45	170576.661	170576.66				mg/L	
Cl	35	13135.289	541.36				mg/L	
Kr	83	62.667	-6.33				mg/L	
Br	81	8409.536	-172.81				mg/L	
P	31	72630.551	62822.40				mg/L	
S	34	129313.149	-2765.45				mg/L	
Sr	88	69457.636	69387.63				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.636			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.092			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.015			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.438			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1104017901

Sample Date/Time: Wednesday, April 06, 2011 21:16:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 65
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25532.583	-0.01				ug/L
|	Be	9	119.334	0.00	0.2571	0.057	22.118	ug/L
|	Al	27	78372415.981	363.47	11056.0078	608.565	5.504	ug/L
⌊>	Sc	45	215345.810	215345.81				ug/L
⌈	Ti	49	44008.488	0.14	76.1954	7.950	10.434	ug/L
|	V	51	300497.123	0.98	32.7704	2.757	8.413	ug/L
|	Cr	52	95436.795	0.29	11.2905	1.020	9.035	ug/L
|	Cr	53	10389.790	0.03	11.4541	0.887	7.745	ug/L
|	Mn	55	1926233.640	6.34	160.2072	13.095	8.174	ug/L
|	Co	59	63362.667	0.21	6.8010	0.620	9.115	ug/L
|	Ni	60	12965.252	0.04	6.7389	0.634	9.410	ug/L
|	Cu	65	15799.372	0.05	8.0178	0.743	9.265	ug/L
|	Zn	66	35636.094	0.11	29.2235	2.639	9.030	ug/L
| >	Ge	72	303511.042	303511.04				ug/L
|	As	75	1555.473	0.01	1.6547	0.132	7.964	ug/L
|	Se	77	107.334	0.00	0.4098	0.166	40.435	ug/L
|	Se	82	11.006	0.00	0.0540	0.024	44.416	ug/L
⌊	Rb	85	107982.143	0.36				mg/L
	Y	89	264074.053	11946.81				ug/L
	Rh	103	14.000	2.00				ug/L
⌈	Mo	98	381.659	0.00	0.0940	0.006	6.657	ug/L
|	Ag	107	226.338	0.00	0.0253	0.003	12.811	ug/L
|	Cd	114	22.731	0.00	0.0114	0.001	12.023	ug/L
| >	In	115	313717.053	313717.05				ug/L
|	Sn	118	160.135	0.00	-0.0406	0.003	6.987	ug/L
⌊	Sb	123	54.322	0.00	0.0133	0.001	7.640	ug/L
⌈	Ba	135	49858.109	0.11	30.2293	2.718	8.993	ug/L
|	Ce	140	548040.560	1.24				ug/L
⌊>	Tb	159	442052.601	442052.60				ug/L
⌈	Ho	165	3537.649	0.01				ug/L
|	Tl	203	1012.728	0.00	0.1119	0.004	3.987	ug/L
|	Tl	205	2493.896	0.01	0.1102	0.013	11.643	ug/L
|	Pb	206	50723.777	0.11	6.6598	0.641	9.618	ug/L
|	Pb	207	43037.337	0.10	5.9908	0.605	10.103	ug/L
|	Pb	208	203213.013	0.45	6.3621	0.612	9.625	ug/L
|	U	238	30381.347	0.07	0.5779	0.062	10.725	ug/L
⌊>	Bi	209	444007.299	444007.30				ug/L

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Na	23	143603.105	0.58	0.0120	0.001	10.309	mg/L	
Mg	24	1676175.704	7.77	0.4012	0.032	8.039	mg/L	
K	39	3141732.664	12.63	0.3149	0.020	6.506	mg/L	
Ca	43	4494.800	0.02	0.1950	0.017	8.866	mg/L	
Fe	54	11447237.953	52.83	16.5104	0.915	5.540	mg/L	
Fe	57	4763680.315	22.06	16.4161	0.783	4.769	mg/L	
> Sc-1	45	215345.810	215345.81				mg/L	
Cl	35	15268.314	2674.39				mg/L	
Kr	83	76.001	7.00				mg/L	
Br	81	8426.221	-156.13				mg/L	
P	31	71120.130	61311.98				mg/L	
S	34	117371.794	-14706.80				mg/L	
Sr	88	28232.734	28162.73				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.010			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.732			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.196			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.838			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017902

Sample Date/Time: Wednesday, April 06, 2011 21:23:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 66
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23611.177	-0.02				ug/L
|	Be	9	148.668	0.00	0.3316	0.043	13.002	ug/L
|	Al	27	60837762.456	284.34	8649.1268	408.762	4.726	ug/L
⌊>	Sc	45	213764.971	213764.97				ug/L
⌈	Ti	49	111774.760	0.37	193.2703	15.511	8.025	ug/L
|	V	51	310146.066	1.01	33.7702	2.519	7.458	ug/L
|	Cr	52	92613.133	0.28	10.9017	0.863	7.913	ug/L
|	Cr	53	10343.098	0.03	11.3829	1.442	12.666	ug/L
|	Mn	55	3251899.985	10.69	270.0156	22.381	8.289	ug/L
|	Co	59	50005.653	0.16	5.3579	0.408	7.608	ug/L
|	Ni	60	12961.550	0.04	6.7260	0.491	7.302	ug/L
|	Cu	65	15755.283	0.05	7.9807	0.704	8.817	ug/L
|	Zn	66	35972.271	0.11	29.4624	2.835	9.624	ug/L
|>	Ge	72	304198.972	304198.97				ug/L
|	As	75	804.118	0.00	0.9399	0.026	2.723	ug/L
|	Se	77	110.001	0.00	0.4374	0.110	25.252	ug/L
|	Se	82	8.383	0.00	0.0295	0.104	352.551	ug/L
⌊	Rb	85	96833.972	0.32				mg/L
	Y	89	296192.190	44064.95				ug/L
	Rh	103	23.667	11.67				ug/L
⌈	Mo	98	312.286	0.00	0.0719	0.007	10.229	ug/L
|	Ag	107	132.002	0.00	0.0104	0.001	10.437	ug/L
|	Cd	114	109.319	0.00	0.0813	0.010	12.531	ug/L
|>	In	115	310888.908	310888.91				ug/L
|	Sn	118	204.535	0.00	-0.0302	0.002	5.458	ug/L
⌊	Sb	123	51.236	0.00	0.0126	0.001	4.999	ug/L
⌈	Ba	135	59800.399	0.13	35.8282	2.404	6.710	ug/L
|	Ce	140	825815.700	1.85				ug/L
⌊>	Tb	159	447314.784	447314.78				ug/L
⌈	Ho	165	6249.259	0.01				ug/L
|	Tl	203	877.714	0.00	0.0974	0.007	7.075	ug/L
|	Tl	205	2220.471	0.00	0.0984	0.010	10.624	ug/L
|	Pb	206	51558.913	0.12	6.7866	0.489	7.212	ug/L
|	Pb	207	43866.390	0.10	6.1219	0.391	6.390	ug/L
|	Pb	208	208760.664	0.47	6.5533	0.455	6.950	ug/L
|	U	238	31843.177	0.07	0.6068	0.049	8.046	ug/L
⌊>	Bi	209	442654.068	442654.07				ug/L

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Na	23	459067.806	2.06	0.0636	0.002	3.715	mg/L	
Mg	24	2336828.872	10.93	0.5660	0.014	2.502	mg/L	
K	39	5273586.964	22.70	0.5696	0.020	3.599	mg/L	
Ca	43	2827.397	0.01	0.1156	0.049	42.184	mg/L	
Fe	54	10113201.066	47.01	14.6921	0.577	3.929	mg/L	
Fe	57	4291387.498	20.02	14.8997	0.431	2.890	mg/L	
> Sc-1	45	213764.971	213764.97				mg/L	
Cl	35	14702.803	2108.88				mg/L	
Kr	83	71.001	2.00				mg/L	
Br	81	8129.304	-453.05				mg/L	
P	31	99173.908	89365.76				mg/L	
S	34	127742.926	-4335.67				mg/L	
Sr	88	17697.496	17627.49				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.226			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.905			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.305			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.537			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1104017903

Sample Date/Time: Wednesday, April 06, 2011 21:30:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 67
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23510.965	-0.02				ug/L
|	Be	9	152.668	0.00	0.3591	0.035	9.776	ug/L
|	Al	27	65034293.977	316.13	9615.9416	105.099	1.093	ug/L
⌊>	Sc	45	205630.366	205630.37				ug/L
⌈	Ti	49	109064.875	0.36	188.7881	16.298	8.633	ug/L
|	V	51	294302.064	0.96	32.0625	2.293	7.153	ug/L
|	Cr	52	92239.824	0.28	10.8651	0.826	7.601	ug/L
|	Cr	53	10059.402	0.03	11.0720	0.547	4.942	ug/L
|	Mn	55	2780669.172	9.15	231.1027	17.428	7.541	ug/L
|	Co	59	44566.809	0.15	4.7798	0.339	7.084	ug/L
|	Ni	60	12698.873	0.04	6.5951	0.459	6.966	ug/L
|	Cu	65	14843.525	0.05	7.5187	0.578	7.681	ug/L
|	Zn	66	30982.070	0.10	25.1762	2.131	8.466	ug/L
| >	Ge	72	303934.807	303934.81				ug/L
|	As	75	856.289	0.00	0.9901	0.056	5.680	ug/L
|	Se	77	100.667	0.00	0.3299	0.201	60.886	ug/L
|	Se	82	16.122	0.00	0.1005	0.159	158.620	ug/L
⌊	Rb	85	107160.512	0.35				mg/L
	Y	89	292447.005	40319.76				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	285.847	0.00	0.0622	0.009	14.821	ug/L
|	Ag	107	156.669	0.00	0.0142	0.001	9.600	ug/L
|	Cd	114	5.773	0.00	-0.0021	0.008	393.014	ug/L
| >	In	115	313525.736	313525.74				ug/L
|	Sn	118	335.872	0.00	-0.0012	0.005	460.805	ug/L
⌊	Sb	123	45.905	0.00	0.0111	0.001	10.088	ug/L
⌈	Ba	135	55581.719	0.13	33.6611	2.418	7.184	ug/L
|	Ce	140	716525.720	1.62				ug/L
⌊>	Tb	159	442611.702	442611.70				ug/L
⌈	Ho	165	5068.464	0.01				ug/L
|	Tl	203	827.709	0.00	0.0934	0.005	4.999	ug/L
|	Tl	205	2043.747	0.00	0.0921	0.005	5.014	ug/L
|	Pb	206	48601.793	0.11	6.4983	0.544	8.370	ug/L
|	Pb	207	41235.934	0.09	5.8462	0.503	8.599	ug/L
|	Pb	208	193865.652	0.44	6.1808	0.483	7.814	ug/L
|	U	238	30305.991	0.07	0.5872	0.046	7.917	ug/L
⌊>	Bi	209	435690.460	435690.46				ug/L

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Na	23	63921.923	0.23	-0.0004	0.001	162.285	mg/L
Mg	24	1844859.046	8.98	0.4646	0.017	3.766	mg/L
K	39	4436843.848	19.61	0.4916	0.014	2.912	mg/L
Ca	43	1827.030	0.01	0.0722	0.026	36.462	mg/L
Fe	54	9823140.396	47.50	14.8439	0.386	2.599	mg/L
Fe	57	4217008.391	20.46	15.2299	0.672	4.410	mg/L
> Sc-1	45	205630.366	205630.37				mg/L
Cl	35	60727.963	48134.04				mg/L
Kr	83	62.667	-6.33				mg/L
Br	81	8013.213	-569.14				mg/L
P	31	59998.537	50190.39				mg/L
S	34	115147.838	-16930.76				mg/L
Sr	88	23199.251	23129.24				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.143			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.676			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.314			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.987			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017904

Sample Date/Time: Wednesday, April 06, 2011 21:37:48
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 68
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21439.633	-0.03				ug/L
|	Be	9	94.000	0.00	0.2015	0.030	14.920	ug/L
|	Al	27	41670682.060	198.72	6044.7692	448.172	7.414	ug/L
⌊>	Sc	45	209491.618	209491.62				ug/L
⌈	Ti	49	78165.635	0.25	131.3832	5.362	4.081	ug/L
|	V	51	274996.444	0.87	29.0742	1.983	6.821	ug/L
|	Cr	52	66755.109	0.18	7.3100	0.460	6.286	ug/L
|	Cr	53	6896.401	0.02	7.2946	0.171	2.342	ug/L
|	Mn	55	3143662.237	10.05	253.7475	13.915	5.484	ug/L
|	Co	59	31394.391	0.10	3.2696	0.274	8.365	ug/L
|	Ni	60	7738.744	0.02	3.8909	0.237	6.090	ug/L
|	Cu	65	11525.761	0.04	5.6374	0.275	4.872	ug/L
|	Zn	66	20652.216	0.06	15.7273	1.002	6.374	ug/L
| >	Ge	72	312955.465	312955.47				ug/L
|	As	75	881.135	0.00	0.9889	0.072	7.243	ug/L
|	Se	77	98.667	0.00	0.2738	0.052	19.144	ug/L
|	Se	82	7.722	0.00	0.0205	0.101	493.482	ug/L
⌊	Rb	85	64252.238	0.21				mg/L
	Y	89	279887.446	27760.20				ug/L
	Rh	103	19.000	7.00				ug/L
⌈	Mo	98	268.997	0.00	0.0538	0.006	10.416	ug/L
|	Ag	107	117.002	0.00	0.0072	0.001	7.276	ug/L
|	Cd	114	-2.951	0.00	-0.0091	0.007	75.178	ug/L
| >	In	115	323536.462	323536.46				ug/L
|	Sn	118	212.669	0.00	-0.0303	0.004	12.386	ug/L
⌊	Sb	123	55.572	0.00	0.0132	0.001	6.757	ug/L
⌈	Ba	135	41763.245	0.09	24.9648	1.507	6.036	ug/L
|	Ce	140	595620.940	1.33				ug/L
⌊>	Tb	159	448488.145	448488.15				ug/L
⌈	Ho	165	3347.563	0.01				ug/L
|	Tl	203	549.687	0.00	0.0621	0.005	7.770	ug/L
|	Tl	205	1330.222	0.00	0.0597	0.005	8.287	ug/L
|	Pb	206	30360.442	0.07	3.9948	0.219	5.473	ug/L
|	Pb	207	26274.791	0.06	3.6671	0.157	4.270	ug/L
|	Pb	208	122676.775	0.28	3.8506	0.145	3.775	ug/L
|	U	238	27417.924	0.06	0.5279	0.031	5.887	ug/L
⌊>	Bi	209	438491.640	438491.64				ug/L

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Na	23	50944.848	0.16	-0.0028	0.000	6.528	mg/L
Mg	24	1237517.740	5.90	0.3038	0.014	4.647	mg/L
K	39	3023560.599	12.49	0.3114	0.002	0.796	mg/L
Ca	43	1403.572	0.01	0.0510	0.002	4.740	mg/L
Fe	54	9108853.040	43.23	13.5107	0.144	1.067	mg/L
Fe	57	3905467.297	18.60	13.8425	0.400	2.890	mg/L
Sc-1	45	209491.618	209491.62				mg/L
Cl	35	13004.450	410.53				mg/L
Kr	83	70.334	1.33				mg/L
Br	81	8125.300	-457.05				mg/L
P	31	57588.651	47780.50				mg/L
S	34	126811.181	-5267.42				mg/L
Sr	88	12028.450	11958.44				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		97.967			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		94.603			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		94.552			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		97.611			

Sample ID: L1104017904
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017904PS WG360998-01

Sample Date/Time: Wednesday, April 06, 2011 21:44:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 69
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22341.623	-0.02				ug/L
|	Be	9	18900.521	0.09	49.9158	0.702	1.407	ug/L
|	Al	27	41790127.928	208.56	6343.9992	195.910	3.088	ug/L
⌊>	Sc	45	200303.156	200303.16				ug/L
⌈	Ti	49	78958.955	0.26	134.5704	8.148	6.055	ug/L
|	V	51	757980.841	2.45	81.7266	2.522	3.085	ug/L
|	Cr	52	492285.814	1.57	61.7629	1.254	2.031	ug/L
|	Cr	53	57255.867	0.19	63.0971	1.281	2.030	ug/L
|	Mn	55	3809149.522	12.34	311.6811	5.676	1.821	ug/L
|	Co	59	555142.348	1.80	58.6397	1.602	2.731	ug/L
|	Ni	60	121148.086	0.39	62.2015	1.483	2.384	ug/L
|	Cu	65	121429.557	0.39	61.4857	1.650	2.684	ug/L
|	Zn	66	88862.952	0.28	74.0527	3.103	4.190	ug/L
|>	Ge	72	308640.128	308640.13				ug/L
|	As	75	63109.347	0.21	59.1329	1.313	2.220	ug/L
|	Se	77	5508.184	0.02	62.3015	2.430	3.900	ug/L
|	Se	82	6833.176	0.02	62.1271	1.781	2.867	ug/L
⌊	Rb	85	64717.469	0.21				mg/L
	Y	89	277659.398	25532.15				ug/L
	Rh	103	50.001	38.00				ug/L
⌈	Mo	98	274.563	0.00	0.0575	0.001	2.505	ug/L
|	Ag	107	387800.352	1.23	61.4922	4.500	7.318	ug/L
|	Cd	114	74226.887	0.23	58.7513	1.402	2.387	ug/L
|>	In	115	316594.286	316594.29				ug/L
|	Sn	118	274.137	0.00	-0.0156	0.003	19.917	ug/L
⌊	Sb	123	216821.130	0.68	57.1910	1.708	2.987	ug/L
⌈	Ba	135	132132.228	0.30	80.1694	2.468	3.078	ug/L
|	Ce	140	590279.684	1.34				ug/L
⌊>	Tb	159	441830.823	441830.82				ug/L
⌈	Ho	165	3207.503	0.01				ug/L
|	Tl	203	488531.232	1.13	54.7272	1.916	3.501	ug/L
|	Tl	205	1198154.154	2.77	54.0574	1.303	2.410	ug/L
|	Pb	206	445100.149	1.03	60.7741	2.410	3.965	ug/L
|	Pb	207	391379.042	0.91	56.6701	2.638	4.655	ug/L
|	Pb	208	1815955.308	4.20	59.1197	2.271	3.842	ug/L
|	U	238	2845666.784	6.58	55.2224	2.333	4.225	ug/L
⌊>	Bi	209	432235.900	432235.90				ug/L

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⌈	Na	23	53682.418	0.18	-0.0019	0.000	9.381	mg/L
|	Mg	24	1216671.357	6.07	0.3128	0.006	1.878	mg/L
|	K	39	3037978.372	13.22	0.3300	0.008	2.309	mg/L
|	Ca	43	1296.881	0.01	0.0486	0.003	6.906	mg/L
|	Fe	54	9072641.784	45.03	14.0716	0.468	3.325	mg/L
|	Fe	57	3850432.561	19.19	14.2778	0.101	0.704	mg/L
⌊>	Sc-1	45	200303.156	200303.16				mg/L
	Cl	35	12452.416	-141.51				mg/L
	Kr	83	70.001	1.00				mg/L
	Br	81	7772.354	-809.99				mg/L
	P	31	57088.529	47280.38				mg/L
	S	34	119955.453	-12123.14				mg/L
	Sr	88	12485.711	12415.70				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.616			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.573			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.149			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.218			

Sample ID: L1104017904PS WG360998-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104017904PS WG360998-01
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017904SDL WG360998-02

Sample Date/Time: Wednesday, April 06, 2011 21:52:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 70
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21389.667	-0.01				ug/L
|	Be	9	34.000	0.00	0.0671	0.017	24.802	ug/L
|	Al	27	6942293.427	39.51	1201.9339	69.037	5.744	ug/L
⌊>	Sc	45	175765.462	175765.46				ug/L
⌈	Ti	49	12435.639	0.04	20.4260	0.147	0.721	ug/L
|	V	51	47044.050	0.14	4.6344	0.130	2.808	ug/L
|	Cr	52	17311.147	0.03	1.0348	0.024	2.306	ug/L
|	Cr	53	1366.897	0.00	1.2315	0.074	5.985	ug/L
|	Mn	55	502414.370	1.57	39.6428	0.988	2.493	ug/L
|	Co	59	5224.083	0.02	0.5308	0.007	1.395	ug/L
|	Ni	60	1321.434	0.00	0.6249	0.002	0.259	ug/L
|	Cu	65	2054.898	0.01	0.8750	0.034	3.888	ug/L
|	Zn	66	6626.928	0.02	3.8271	0.075	1.966	ug/L
|>	Ge	72	319814.177	319814.18				ug/L
|	As	75	2.713	0.00	0.1798	0.038	20.959	ug/L
|	Se	77	77.334	-0.00	0.0140	0.133	951.763	ug/L
|	Se	82	9.078	0.00	0.0309	0.092	296.607	ug/L
⌊	Rb	85	11024.852	0.03				mg/L
	Y	89	252766.999	639.76				ug/L
	Rh	103	16.000	4.00				ug/L
⌈	Mo	98	87.873	0.00	-0.0056	0.001	19.518	ug/L
|	Ag	107	54.001	0.00	-0.0028	0.001	51.625	ug/L
|	Cd	114	-1.447	0.00	-0.0078	0.004	47.458	ug/L
|>	In	115	334804.648	334804.65				ug/L
|	Sn	118	109.867	-0.00	-0.0534	0.002	2.987	ug/L
⌊	Sb	123	377.666	0.00	0.0931	0.004	4.210	ug/L
⌈	Ba	135	6898.448	0.02	4.0569	0.069	1.713	ug/L
|	Ce	140	99681.138	0.22				ug/L
⌊>	Tb	159	454711.419	454711.42				ug/L
⌈	Ho	165	553.404	0.00				ug/L
|	Tl	203	120.002	0.00	0.0146	0.001	6.907	ug/L
|	Tl	205	310.036	0.00	0.0142	0.002	10.613	ug/L
|	Pb	206	5234.423	0.01	0.6019	0.024	4.028	ug/L
|	Pb	207	4323.645	0.01	0.5238	0.019	3.635	ug/L
|	Pb	208	20693.709	0.04	0.5668	0.012	2.030	ug/L
|	U	238	4483.384	0.01	0.0885	0.003	3.439	ug/L
⌊>	Bi	209	443654.837	443654.84				ug/L

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⌈	Na	23	19951.881	0.03	-0.0073	0.000	1.220	mg/L
|	Mg	24	202446.725	1.15	0.0560	0.001	1.084	mg/L
|	K	39	831158.265	2.79	0.0662	0.005	7.715	mg/L
|	Ca	43	370.044	0.00	0.0042	0.003	75.076	mg/L
|	Fe	54	1571696.950	8.69	2.7158	0.132	4.870	mg/L
|	Fe	57	634207.041	3.57	2.6564	0.122	4.597	mg/L
⌊>	Sc-1	45	175765.462	175765.46				mg/L
	Cl	35	12276.871	-317.05				mg/L
	Kr	83	67.668	-1.33				mg/L
	Br	81	8577.019	-5.33				mg/L
	P	31	13160.656	3352.51				mg/L
	S	34	129251.496	-2827.10				mg/L
	Sr	88	2167.119	2097.11				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.114			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.898			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.864			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.760			

Sample ID: L1104017904SDL WG360998-02
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104017904SDL WG360998-02
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 21:59:16
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21990.821	-0.00				ug/L
|	Be	9	15712.340	0.09	48.7528	0.625	1.282	ug/L
|	Al	27	270652.359	1.58	47.9175	3.456	7.213	ug/L
|>	Sc	45	170508.690	170508.69				ug/L
⌈	Ti	49	56327.205	0.18	95.7421	2.722	2.843	ug/L
|	V	51	456898.707	1.47	49.0318	0.043	0.088	ug/L
|	Cr	52	397004.429	1.25	49.4729	0.404	0.818	ug/L
|	Cr	53	45913.255	0.15	50.4235	2.366	4.692	ug/L
|	Mn	55	607840.880	1.96	49.5773	0.335	0.676	ug/L
|	Co	59	477517.476	1.54	50.3123	0.496	0.986	ug/L
|	Ni	60	98984.224	0.32	50.6860	0.596	1.176	ug/L
|	Cu	65	98225.766	0.32	49.5855	0.589	1.187	ug/L
|	Zn	66	60596.993	0.19	49.8500	0.367	0.737	ug/L
|>	Ge	72	309382.084	309382.08				ug/L
|	As	75	54938.490	0.18	51.3718	0.701	1.364	ug/L
|	Se	77	4786.479	0.02	53.8890	0.568	1.053	ug/L
|	Se	82	5860.943	0.02	53.1515	0.658	1.237	ug/L
⌊	Rb	85	2348.966	0.01				mg/L
	Y	89	249502.764	-2624.48				ug/L
	Rh	103	31.000	19.00				ug/L
⌈	Mo	98	337295.609	1.01	105.3889	0.266	0.253	ug/L
|	Ag	107	335532.576	1.01	50.4227	0.378	0.750	ug/L
|	Cd	114	67655.380	0.20	50.7794	1.876	3.695	ug/L
|>	In	115	333814.799	333814.80				ug/L
|	Sn	118	240188.946	0.72	50.4881	0.561	1.111	ug/L
⌊	Sb	123	204533.317	0.61	51.1524	0.333	0.652	ug/L
⌈	Ba	135	85753.974	0.19	50.6183	0.232	0.459	ug/L
|	Ce	140	56.673	0.00				ug/L
|>	Tb	159	454063.289	454063.29				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	435247.019	1.02	49.5226	0.276	0.557	ug/L
|	Tl	205	1070955.194	2.52	49.0823	0.647	1.319	ug/L
|	Pb	206	358764.697	0.84	49.7389	0.675	1.357	ug/L
|	Pb	207	337511.023	0.79	49.6282	1.124	2.265	ug/L
|	Pb	208	1496029.974	3.51	49.4561	0.738	1.493	ug/L
|	U	238	2519753.568	5.92	49.6675	0.285	0.573	ug/L
|>	Bi	209	425461.869	425461.87				ug/L

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Na	23	22491920.670	131.93	4.5931	0.234	5.093	mg/L	
Mg	24	15000499.211	88.01	4.5872	0.099	2.160	mg/L	
K	39	32956246.992	191.27	4.8314	0.098	2.023	mg/L	
Ca	43	83105.909	0.49	4.9457	0.171	3.461	mg/L	
Fe	54	2938840.924	16.98	5.3057	0.099	1.866	mg/L	
Fe	57	1211832.938	7.07	5.2616	0.194	3.696	mg/L	
> Sc-1	45	170508.690	170508.69				mg/L	
Cl	35	13495.102	901.18				mg/L	
Kr	83	61.667	-7.33				mg/L	
Br	81	8817.226	234.88				mg/L	
P	31	7984.527	-1823.62				mg/L	
S	34	151007.096	18928.50				mg/L	
Sr	88	2367.184	2297.18				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	98.064				
Cr	52	98.946				
Cr	53					
Mn	55	99.155				
Co	59	100.625				
Ni	60	101.372				
Cu	65	99.171				
Zn	66	99.700				
> Ge	72		96.848			
As	75	102.744				
Se	77					
Se	82	106.303				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.845				
Cd	114	101.559				
> In	115		97.609			
Sn	118					
Sb	123	102.305				
Ba	135	101.237				
Ce	140					
> Tb	159		95.728			
Ho	165					
Tl	203	99.045				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.912				
U	238	99.335				
> Bi	209		94.710			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 22:06:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20136.963	-0.02				ug/L
|	Be	9	14.000	-0.00	0.0067	0.025	374.525	ug/L
|	Al	27	2050.214	-0.00	-0.0637	0.070	110.306	ug/L
⌊>	Sc	45	173409.564	173409.56				ug/L
⌈	Ti	49	46.671	-0.00	0.0496	0.040	80.716	ug/L
|	V	51	2952.864	0.00	0.0248	0.006	22.875	ug/L
|	Cr	52	9396.507	0.00	0.0397	0.012	30.216	ug/L
|	Cr	53	260.029	0.00	0.0450	0.033	73.136	ug/L
|	Mn	55	416.680	0.00	-0.0122	0.001	4.375	ug/L
|	Co	59	79.668	0.00	0.0063	0.002	26.000	ug/L
|	Ni	60	43.667	0.00	-0.0088	0.000	2.173	ug/L
|	Cu	65	187.004	-0.00	-0.0415	0.006	13.317	ug/L
|	Zn	66	1328.102	-0.00	-0.5461	0.051	9.339	ug/L
|>	Ge	72	325397.823	325397.82				ug/L
|	As	75	-175.443	0.00	0.0222	0.020	90.847	ug/L
|	Se	77	86.000	0.00	0.0934	0.094	101.064	ug/L
|	Se	82	9.113	0.00	0.0307	0.049	160.332	ug/L
⌊	Rb	85	33.000	0.00				mg/L
	Y	89	255833.450	3706.21				ug/L
	Rh	103	12.000	0.00				ug/L
⌈	Mo	98	174.985	0.00	0.0195	0.006	31.207	ug/L
|	Ag	107	46.001	0.00	-0.0043	0.001	17.683	ug/L
|	Cd	114	-0.764	0.00	-0.0073	0.003	46.439	ug/L
|>	In	115	348976.779	348976.78				ug/L
|	Sn	118	285.337	0.00	-0.0190	0.002	8.341	ug/L
⌊	Sb	123	194.029	0.00	0.0453	0.002	5.092	ug/L
⌈	Ba	135	42.667	0.00	0.0137	0.016	115.274	ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	466688.897	466688.90				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	47.667	0.00	0.0067	0.001	11.861	ug/L
|	Tl	205	90.009	0.00	0.0046	0.000	9.706	ug/L
|	Pb	206	372.011	0.00	-0.0454	0.003	5.810	ug/L
|	Pb	207	338.009	0.00	-0.0387	0.003	7.686	ug/L
|	Pb	208	1507.726	0.00	-0.0421	0.001	3.552	ug/L
|	U	238	156.336	0.00	0.0067	0.000	7.277	ug/L
⌊>	Bi	209	438283.158	438283.16				ug/L

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Na	23	15964.338	0.01	-0.0080	0.000	0.735	mg/L	
Mg	24	846.787	0.00	-0.0038	0.000	0.375	mg/L	
K	39	349312.919	0.07	-0.0024	0.001	50.689	mg/L	
Ca	43	216.691	0.00	-0.0045	0.001	32.367	mg/L	
Fe	54	42557.332	-0.01	-0.0044	0.007	168.735	mg/L	
Fe	57	7490.238	0.01	0.0004	0.005	1266.729	mg/L	
> Sc-1	45	173409.564	173409.56				mg/L	
Cl	35	12907.662	313.74				mg/L	
Kr	83	63.668	-5.33				mg/L	
Br	81	9170.205	587.86				mg/L	
P	31	9750.775	-57.37				mg/L	
S	34	141441.603	9363.01				mg/L	
Sr	88	76.675	6.67				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		101.862			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		102.042			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.390			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.564			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 22:08:33
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Method 6020 - Summary Report

Sample ID: L1104018001 WG360983-01

Sample Date/Time: Wednesday, April 06, 2011 22:13:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 71
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.869	-0.04				ug/L
|	Be	9	107.334	0.00	0.2244	0.036	16.168	ug/L
|	Al	27	40603632.299	184.88	5623.5490	74.900	1.332	ug/L
⌊>	Sc	45	219603.749	219603.75				ug/L
⌈	Ti	49	72167.827	0.23	121.6898	10.525	8.649	ug/L
|	V	51	236474.921	0.75	25.0393	1.654	6.605	ug/L
|	Cr	52	58532.451	0.16	6.2979	0.473	7.509	ug/L
|	Cr	53	6235.905	0.02	6.5976	0.433	6.556	ug/L
|	Mn	55	5977477.765	19.17	484.0585	35.600	7.354	ug/L
|	Co	59	89126.250	0.29	9.3144	0.612	6.573	ug/L
|	Ni	60	7631.998	0.02	3.8494	0.299	7.759	ug/L
|	Cu	65	11791.427	0.04	5.7896	0.492	8.494	ug/L
|	Zn	66	21305.937	0.06	16.3332	1.140	6.982	ug/L
| >	Ge	72	311940.108	311940.11				ug/L
|	As	75	666.765	0.00	0.7941	0.103	12.929	ug/L
|	Se	77	92.667	0.00	0.2095	0.233	111.447	ug/L
|	Se	82	9.389	0.00	0.0367	0.086	234.064	ug/L
⌊	Rb	85	62935.180	0.20				mg/L
	Y	89	279489.555	27362.31				ug/L
	Rh	103	22.000	10.00				ug/L
⌈	Mo	98	248.914	0.00	0.0468	0.002	4.684	ug/L
|	Ag	107	142.002	0.00	0.0110	0.001	11.291	ug/L
|	Cd	114	16.341	0.00	0.0058	0.008	143.230	ug/L
| >	In	115	325654.203	325654.20				ug/L
|	Sn	118	226.669	0.00	-0.0276	0.004	13.715	ug/L
⌊	Sb	123	79.113	0.00	0.0192	0.004	19.060	ug/L
⌈	Ba	135	60365.314	0.14	36.4787	2.662	7.298	ug/L
|	Ce	140	1748856.718	3.94				ug/L
⌊>	Tb	159	443379.949	443379.95				ug/L
⌈	Ho	165	3387.584	0.01				ug/L
|	Tl	203	878.381	0.00	0.1008	0.009	8.753	ug/L
|	Tl	205	2073.758	0.00	0.0951	0.012	12.245	ug/L
|	Pb	206	74060.118	0.17	10.1356	0.813	8.021	ug/L
|	Pb	207	63606.120	0.15	9.2303	0.569	6.164	ug/L
|	Pb	208	298310.404	0.69	9.7354	0.652	6.698	ug/L
|	U	238	25145.592	0.06	0.4966	0.033	6.571	ug/L
⌊>	Bi	209	427777.090	427777.09				ug/L

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Na	23	59268.395	0.19	-0.0018	0.001	31.679	mg/L
Mg	24	1222291.223	5.57	0.2863	0.019	6.567	mg/L
K	39	2916024.996	11.34	0.2823	0.005	1.707	mg/L
Ca	43	1160.184	0.00	0.0364	0.007	19.227	mg/L
Fe	54	8299236.462	37.54	11.7314	0.448	3.818	mg/L
Fe	57	3408994.016	15.48	11.5193	0.442	3.838	mg/L
> Sc-1	45	219603.749	219603.75				mg/L
Cl	35	12889.642	295.72				mg/L
Kr	83	70.334	1.33				mg/L
Br	81	8408.204	-174.14				mg/L
P	31	50509.659	40701.51				mg/L
S	34	127326.143	-4752.45				mg/L
Sr	88	11958.440	11888.43				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.649			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.222			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.476			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		95.226			

Sample ID: L1104018001 WG360983-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104018002S WG360983-04

Sample Date/Time: Wednesday, April 06, 2011 22:20:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 72
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.168	-0.03				ug/L
|	Be	9	2007.536	0.01	5.1531	0.373	7.240	ug/L
|	Al	27	62414447.923	304.58	9264.7452	491.623	5.306	ug/L
⌊>	Sc	45	204861.050	204861.05				ug/L
⌈	Ti	49	79158.185	0.25	131.8219	10.885	8.257	ug/L
|	V	51	327145.190	1.03	34.3167	1.405	4.093	ug/L
|	Cr	52	122260.614	0.36	14.1610	0.676	4.772	ug/L
|	Cr	53	13240.095	0.04	14.0863	0.604	4.288	ug/L
|	Mn	55	5376658.163	17.03	430.0117	24.805	5.769	ug/L
|	Co	59	104863.941	0.33	10.8244	0.590	5.455	ug/L
|	Ni	60	22750.804	0.07	11.3917	0.613	5.384	ug/L
|	Cu	65	25093.427	0.08	12.3133	0.626	5.084	ug/L
|	Zn	66	35999.145	0.11	28.3416	1.351	4.768	ug/L
| >	Ge	72	315703.208	315703.21				ug/L
|	As	75	6295.434	0.02	5.9252	0.394	6.654	ug/L
|	Se	77	600.685	0.00	5.8886	0.172	2.915	ug/L
|	Se	82	636.483	0.00	5.6127	0.223	3.979	ug/L
⌊	Rb	85	93587.579	0.30				mg/L
	Y	89	284446.929	32319.69				ug/L
	Rh	103	21.000	9.00				ug/L
⌈	Mo	98	310.962	0.00	0.0675	0.004	5.316	ug/L
|	Ag	107	32224.555	0.10	4.9932	0.149	2.989	ug/L
|	Cd	114	7440.779	0.02	5.7639	0.083	1.434	ug/L
| >	In	115	323028.824	323028.82				ug/L
|	Sn	118	215.469	0.00	-0.0296	0.001	2.131	ug/L
⌊	Sb	123	512.589	0.00	0.1314	0.017	12.715	ug/L
⌈	Ba	135	61518.066	0.14	37.3300	1.609	4.310	ug/L
|	Ce	140	856745.561	1.94				ug/L
⌊>	Tb	159	441772.974	441772.97				ug/L
⌈	Ho	165	3777.762	0.01				ug/L
|	Tl	203	46214.467	0.11	5.2163	0.251	4.807	ug/L
|	Tl	205	115080.227	0.27	5.2304	0.173	3.307	ug/L
|	Pb	206	85075.552	0.20	11.6237	0.515	4.430	ug/L
|	Pb	207	74598.528	0.17	10.8090	0.445	4.121	ug/L
|	Pb	208	344751.916	0.80	11.2321	0.532	4.732	ug/L
|	U	238	306661.768	0.71	5.9983	0.343	5.721	ug/L
⌊>	Bi	209	429082.187	429082.19				ug/L

Sample ID: L1104018002S WG360983-04
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Na	23	68501.528	0.25	0.0004	0.001	201.392	mg/L	
Mg	24	1541387.971	7.52	0.3885	0.023	5.893	mg/L	
K	39	4089036.431	18.01	0.4509	0.028	6.308	mg/L	
Ca	43	1883.702	0.01	0.0764	0.015	19.073	mg/L	
Fe	54	9600964.932	46.60	14.5632	0.741	5.088	mg/L	
Fe	57	4030754.340	19.64	14.6192	0.852	5.825	mg/L	
> Sc-1	45	204861.050	204861.05				mg/L	
Cl	35	15625.535	3031.61				mg/L	
Kr	83	63.001	-6.00				mg/L	
Br	81	8165.332	-417.02				mg/L	
P	31	59904.911	50096.76				mg/L	
S	34	122215.606	-9862.99				mg/L	
Sr	88	22524.280	22454.27				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.827			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.455			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.137			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		95.516			

Sample ID: L1104018002S WG360983-04
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104018002S WG360983-04
Report Date/Time: Wednesday, April 06, 2011 22:22:47
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Method 6020 - Summary Report

Sample ID: L1104018003SD WG360983-05

Sample Date/Time: Wednesday, April 06, 2011 22:27:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 73
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21122.406	-0.03				ug/L
|	Be	9	1866.841	0.01	4.6074	0.039	0.844	ug/L
|	Al	27	48741877.486	228.84	6960.8121	229.691	3.300	ug/L
⌊>	Sc	45	212910.224	212910.22				ug/L
⌈	Ti	49	62417.628	0.19	101.8035	6.465	6.351	ug/L
|	V	51	328025.366	1.01	33.6945	1.366	4.055	ug/L
|	Cr	52	118389.980	0.34	13.3734	0.568	4.250	ug/L
|	Cr	53	13149.969	0.04	13.6962	0.707	5.161	ug/L
|	Mn	55	3341232.239	10.36	261.7052	7.541	2.881	ug/L
|	Co	59	85368.609	0.26	8.6296	0.392	4.542	ug/L
|	Ni	60	19344.912	0.06	9.4816	0.409	4.313	ug/L
|	Cu	65	23949.572	0.07	11.5013	0.352	3.059	ug/L
|	Zn	66	31371.138	0.09	23.9512	0.681	2.843	ug/L
|>	Ge	72	322381.989	322381.99				ug/L
|	As	75	6046.315	0.02	5.5853	0.199	3.564	ug/L
|	Se	77	563.349	0.00	5.3391	0.195	3.658	ug/L
|	Se	82	564.736	0.00	4.8724	0.332	6.818	ug/L
⌊	Rb	85	81776.247	0.25				mg/L
	Y	89	290984.921	38857.68				ug/L
	Rh	103	19.000	7.00				ug/L
⌈	Mo	98	316.108	0.00	0.0663	0.002	3.772	ug/L
|	Ag	107	30748.533	0.09	4.6281	0.095	2.063	ug/L
|	Cd	114	7137.470	0.02	5.3707	0.103	1.918	ug/L
|>	In	115	332529.518	332529.52				ug/L
|	Sn	118	196.802	0.00	-0.0349	0.002	6.085	ug/L
⌊	Sb	123	490.208	0.00	0.1220	0.003	2.316	ug/L
⌈	Ba	135	55282.432	0.12	32.7218	1.283	3.921	ug/L
|	Ce	140	650700.146	1.44				ug/L
⌊>	Tb	159	452756.939	452756.94				ug/L
⌈	Ho	165	3811.107	0.01				ug/L
|	Tl	203	44245.504	0.10	4.9617	0.132	2.662	ug/L
|	Tl	205	109618.722	0.25	4.9497	0.041	0.826	ug/L
|	Pb	206	73210.599	0.17	9.9237	0.285	2.874	ug/L
|	Pb	207	64810.093	0.15	9.3172	0.148	1.590	ug/L
|	Pb	208	300018.552	0.69	9.6977	0.270	2.784	ug/L
|	U	238	287599.590	0.67	5.5878	0.192	3.432	ug/L
⌊>	Bi	209	431840.849	431840.85				ug/L

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⌈	Na	23	58268.443	0.19	-0.0017	0.000	13.002	mg/L
|	Mg	24	1246393.006	5.85	0.3014	0.019	6.401	mg/L
|	K	39	3205917.367	13.12	0.3274	0.022	6.773	mg/L
|	Ca	43	1580.283	0.01	0.0583	0.002	3.885	mg/L
|	Fe	54	9381554.323	43.82	13.6931	0.574	4.195	mg/L
|	Fe	57	4087110.940	19.15	14.2512	0.597	4.187	mg/L
⌊>	Sc-1	45	212910.224	212910.22				mg/L
	Cl	35	15527.384	2933.46				mg/L
	Kr	83	71.668	2.67				mg/L
	Br	81	8493.614	-88.74				mg/L
	P	31	60520.092	50711.94				mg/L
	S	34	132612.926	534.33				mg/L
	Sr	88	18088.178	18018.17				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.917			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.233			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.452			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.130			

Sample ID: L1104018003SD WG360983-05
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104018003SD WG360983-05
Report Date/Time: Wednesday, April 06, 2011 22:29:55
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 22:34:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19301.973	-0.02				ug/L
|	Be	9	15683.624	0.09	49.2280	1.676	3.405	ug/L
|	Al	27	259445.695	1.53	46.3858	2.721	5.866	ug/L
⌊>	Sc	45	168661.366	168661.37				ug/L
⌈	Ti	49	55894.798	0.18	94.1353	4.005	4.255	ug/L
|	V	51	448821.495	1.43	47.7076	0.464	0.974	ug/L
|	Cr	52	399658.657	1.25	49.3321	0.418	0.848	ug/L
|	Cr	53	46787.200	0.15	50.9185	0.949	1.863	ug/L
|	Mn	55	608486.650	1.95	49.1688	0.628	1.277	ug/L
|	Co	59	477098.417	1.53	49.7985	0.334	0.671	ug/L
|	Ni	60	100340.737	0.32	50.9144	1.725	3.389	ug/L
|	Cu	65	99141.730	0.32	49.5919	1.346	2.713	ug/L
|	Zn	66	60299.208	0.19	49.1192	0.565	1.150	ug/L
⌊>	Ge	72	312316.553	312316.55				ug/L
|	As	75	55064.487	0.18	51.0099	0.964	1.891	ug/L
|	Se	77	4693.102	0.01	52.3111	1.245	2.379	ug/L
|	Se	82	5915.016	0.02	53.1358	0.323	0.608	ug/L
⌊	Rb	85	2397.645	0.01				mg/L
	Y	89	248580.045	-3547.20				ug/L
	Rh	103	41.667	29.67				ug/L
⌈	Mo	98	341462.929	1.02	106.8602	0.361	0.338	ug/L
|	Ag	107	335658.034	1.01	50.5244	0.578	1.143	ug/L
|	Cd	114	67703.288	0.20	50.8978	0.904	1.776	ug/L
⌊>	In	115	333286.351	333286.35				ug/L
|	Sn	118	240858.693	0.72	50.7074	0.112	0.222	ug/L
⌊	Sb	123	204375.503	0.61	51.1931	0.188	0.368	ug/L
⌈	Ba	135	86909.905	0.19	50.7684	0.337	0.663	ug/L
|	Ce	140	103.344	0.00				ug/L
⌊>	Tb	159	458824.833	458824.83				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	436294.780	1.04	50.3762	0.459	0.911	ug/L
|	Tl	205	1096241.833	2.61	50.9839	0.389	0.763	ug/L
|	Pb	206	353415.201	0.84	49.7196	0.225	0.452	ug/L
|	Pb	207	334142.856	0.80	49.8546	0.146	0.294	ug/L
|	Pb	208	1487112.211	3.54	49.8867	0.415	0.831	ug/L
|	U	238	2509928.588	5.99	50.2063	0.281	0.560	ug/L
⌊>	Bi	209	419254.012	419254.01				ug/L

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Na	23	23057313.671	136.69	4.7590	0.138	2.910	mg/L	
Mg	24	15379420.639	91.18	4.7528	0.017	0.356	mg/L	
K	39	32740785.457	192.28	4.8569	0.182	3.747	mg/L	
Ca	43	79986.762	0.47	4.8177	0.287	5.958	mg/L	
Fe	54	2892294.338	16.89	5.2791	0.065	1.230	mg/L	
Fe	57	1213021.781	7.16	5.3263	0.228	4.280	mg/L	
> Sc-1	45	168661.366	168661.37				mg/L	
Cl	35	13551.843	957.92				mg/L	
Kr	83	56.667	-12.33				mg/L	
Br	81	8306.784	-275.57				mg/L	
P	31	9924.941	116.79				mg/L	
S	34	148477.119	16398.52				mg/L	
Sr	88	2380.522	2310.51				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	95.415				
Cr	52	98.664				
Cr	53					
Mn	55	98.338				
Co	59	99.597				
Ni	60	101.829				
Cu	65	99.184				
Zn	66	98.238				
> Ge	72		97.767			
As	75	102.020				
Se	77					
Se	82	106.272				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.049				
Cd	114	101.796				
> In	115		97.454			
Sn	118					
Sb	123	102.386				
Ba	135	101.537				
Ce	140					
> Tb	159		96.732			
Ho	165					
Tl	203	100.752				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.773				
U	238	100.413				
> Bi	209		93.328			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 22:37:02

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 22:37:02
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 22:41:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20420.833	-0.02				ug/L
|	Be	9	15.333	-0.00	0.0110	0.023	210.002	ug/L
|	Al	27	2867.091	0.00	0.0681	0.088	129.330	ug/L
|>	Sc	45	176088.464	176088.46				ug/L
⌈	Ti	49	26.669	-0.00	0.0175	0.025	141.102	ug/L
|	V	51	2967.169	0.00	0.0267	0.007	26.175	ug/L
|	Cr	52	9314.096	0.00	0.0312	0.015	49.230	ug/L
|	Cr	53	220.025	0.00	0.0037	0.094	2566.870	ug/L
|	Mn	55	447.348	0.00	-0.0098	0.003	28.790	ug/L
|	Co	59	76.334	0.00	0.0059	0.002	29.385	ug/L
|	Ni	60	37.000	0.00	-0.0121	0.004	30.295	ug/L
|	Cu	65	191.337	-0.00	-0.0393	0.000	1.242	ug/L
|	Zn	66	1296.097	-0.00	-0.5707	0.014	2.530	ug/L
|>	Ge	72	324971.424	324971.42				ug/L
|	As	75	-257.429	-0.00	-0.0506	0.037	73.238	ug/L
|	Se	77	80.000	-0.00	0.0290	0.042	145.484	ug/L
|	Se	82	-5.249	0.00	-0.0929	0.107	115.730	ug/L
⌊	Rb	85	31.667	0.00				mg/L
	Y	89	257027.258	4900.01				ug/L
	Rh	103	17.000	5.00				ug/L
⌈	Mo	98	164.761	0.00	0.0163	0.005	31.985	ug/L
|	Ag	107	60.001	0.00	-0.0023	0.002	75.498	ug/L
|	Cd	114	3.240	0.00	-0.0044	0.004	87.639	ug/L
|>	In	115	349492.987	349492.99				ug/L
|	Sn	118	283.071	0.00	-0.0196	0.005	25.340	ug/L
⌊	Sb	123	92.363	0.00	0.0210	0.001	5.823	ug/L
⌈	Ba	135	25.334	-0.00	0.0037	0.001	22.952	ug/L
|	Ce	140	33.337	0.00				ug/L
|>	Tb	159	469338.701	469338.70				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	385.678	0.00	0.0442	0.004	8.172	ug/L
|	Tl	205	946.807	0.00	0.0429	0.005	11.665	ug/L
|	Pb	206	379.678	0.00	-0.0442	0.002	3.817	ug/L
|	Pb	207	312.675	-0.00	-0.0422	0.002	5.695	ug/L
|	Pb	208	1514.061	0.00	-0.0417	0.001	2.013	ug/L
|	U	238	133.669	0.00	0.0063	0.000	7.089	ug/L
|>	Bi	209	437002.811	437002.81				ug/L

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⌈	Na	23	16077.857	0.01	-0.0080	0.000	1.926	mg/L
|	Mg	24	800.113	0.00	-0.0039	0.000	1.283	mg/L
|	K	39	358251.141	0.09	-0.0019	0.002	123.061	mg/L
|	Ca	43	200.022	0.00	-0.0057	0.002	42.586	mg/L
|	Fe	54	40420.455	-0.03	-0.0096	0.001	15.313	mg/L
|	Fe	57	8174.158	0.01	0.0027	0.001	44.622	mg/L
⌊>	Sc-1	45	176088.464	176088.46				mg/L
	Cl	35	13529.148	935.22				mg/L
	Kr	83	67.001	-2.00				mg/L
	Br	81	9851.522	1269.17				mg/L
	P	31	9381.787	-426.36				mg/L
	S	34	149336.365	17257.77				mg/L
	Sr	88	80.008	10.00				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		101.728			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.193			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.948			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.279			

Sample ID: QC Std 7
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 7	Tl	203	CCB IS OUT OF LIMITS (+/-1/2RL)

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 22:44:07
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2.2 General Chemistry Data

2.2.1 Percent Solids Data

2.2.1.1 Raw Data

LABORATORY REPORT

L11040179

04/07/11 14:10

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4411-SS-7.5-SW-11	L11040179-01	D2216-90	1	06-APR-11
SWMU-57-4411-SS-15-FC-NUM9	L11040179-02	D2216-90	1	06-APR-11
SWMU-57-4411-SS-15-FC-NUM10	L11040179-03	D2216-90	1	06-APR-11
SWMU-57-4511-SS-7.5-SW-12	L11040179-04	D2216-90	1	06-APR-11

Microbac Laboratories Inc.

Report Number: **L11040179**
Report Date : **April 7, 2011**

Sample Number:	**L11040179-01**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4411-SS-7.5-SW-11**	Prep Method:	**D2216-90**	Prep Date:	**04/07/2011 08:54**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG361004**	Analyst:	**JDH**	Run Date:	**04/07/2011 08:54**
Collect Date:	**04/04/2011 08:00**	Dilution:	**1**	File ID:	**B1.361004-0111**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**75.2**		**1.00**	**1.00**

Report Number: **L11040179**
Report Date : **April 7, 2011**

Sample Number:	**L11040179-02**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4411-SS-15-FC-NUM**	Prep Method:	**D2216-90**	Prep Date:	**04/07/2011 08:54**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG361004**	Analyst:	**JDH**	Run Date:	**04/07/2011 08:54**
Collect Date:	**04/04/2011 14:00**	Dilution:	**1**	File ID:	**B1.361004-0112**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**78.3**		**1.00**	**1.00**

Report Number: **L11040179**
Report Date : **April 7, 2011**

Sample Number:	**L11040179-03**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4411-SS-15-FC-NUM**	Prep Method:	**D2216-90**	Prep Date:	**04/07/2011 08:54**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG361004**	Analyst:	**JDH**	Run Date:	**04/07/2011 08:54**
Collect Date:	**04/04/2011 15:00**	Dilution:	**1**	File ID:	**B1.361004-0113**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**80.0**		**1.00**	**1.00**

Report Number: **L11040179**
Report Date : **April 7, 2011**

Sample Number: **L11040179-04**
Client ID: **SWMU-57-4511-SS-7.5-SW-12**
Matrix: **Soil**
Workgroup Number: **WG361004**
Collect Date: **04/05/2011 13:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **04/07/2011 08:54**
Cal Date:
Run Date: **04/07/2011 08:54**
File ID: **B1.361004-0114**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**79.6**		**1.00**	**1.00**

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:	
WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

2.0 Calculating the percent moisture of a sample.

% Moisture = 100 - % Solids from 1.0 calculation

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG361004 Analyst:JDH ADT(on):04/06/2011 14:13
Method:D2216-90 Instrument:BAL001 ADT(off):04/07/2011 08:54
SOP:K0003 Rev:11

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE
L11040098-01	1.3	32.61	27.12			82.47	
L11040100-01	1.3	32.34	28.73			88.37	
L11040102-01	1.3	31.91	22.79			70.21	
L11040104-04	1.3	26.59	24.05			89.96	
L11040104-06	1.31	22.54	20.64			91.05	
L11040104-08	1.3	27.75	25.1			89.98	
L11040107-02	1.31	29.63	25.02			83.72	
L11040107-04	1.31	35.9	31.22			86.47	
L11040107-06	1.31	26.75	21.31			78.62	
L11040107-08	1.31	27.27	23.3			84.71	
L11040179-01	1.31	24.83	18.99			75.17	
L11040179-02	1.3	22.91	18.21			78.25	
L11040179-03	1.31	28.1	22.75			80.03	
L11040179-04	1.32	21.31	17.23			79.59	
L11040180-01	1.31	23.19	18.47			78.43	
L11040180-02	1.31	23.19	18.47			78.43	
L11040180-03	1.31	23.19	18.47			78.43	
WG361004-01	1.31	23.19	18.47			78.43	21.57
WG361004-02	1.31	17.94	14.3			78.11	21.89

Analyst: Justin Hesson

PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1967406
Report generated: 04/07/2011 08:54

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
April 8, 2011

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
ALV – AMY L. VALENTINE	AML – TONY M. LONG	AZH – AFTER HOURS
BLG – BRENDA L. GREENWALT	BRG – BRENDA R. GREGORY	CAA – CASSIE A. AUGENSTEIN
CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD
CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
ECL – ERIC C. LAWSON	EDL – ERIN D. LONG	ERP – ERIN R. PORTER
FJB – FRANCES J. BOLDEN	HAV – HEMA VILASAGAR	HJR – HOLLY J. REED
JAL – JOHN A. LENT	JBK – JEREMY B. KINNEY	JDH – JUSTIN D. HESSON
JKT – JANE K. THOMPSON	JLL – JOHN L. LENT	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KEB – KATIE E. BARNES
KHR – KIM H. RHODES	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MIKE D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	PDM – PIERCE D. MORRIS	PWD – PAUL W. DENT
RAH – ROY A. HALSTEAD	RB – BOB BUCHANAN	REK – BOB E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WJB – WILL J. BEASLEY
WTD – WADE T. DELONG		

Microbac Laboratories Inc.
List of Valid Qualifiers
April 08, 2011

Qualkey: DOD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	The reported result is associated with a contaminated method blank.
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated concentration; sample matrix interference.
J	Estimated value ; the analyte concentration was greater than the highest standard
J	Estimated value ; the analyte concentration was less than the low standard (LOQ)
J	The reported result is an estimated value.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported LOD.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: DOD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 2169

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4308
Fax: 740-376-2536

Company Name: BXB-KEMRON

Project Contact: Mary Lou Rochette | Contact Phone #: 740-373-4308

Turn Around Requirements: 1-DAY | Location: RFAAP - RADFORD, VA SWMU-57

Project ID: M20669

Sampler (print): Jonah Anderson | Signature:

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	METALS * SEE LIST *	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
SWMU-57-4411 SS-7.5'-SW-11		X	4-4-11	0800	SOIL	1		1		PER QAPP FOR RFAAP * Aluminum Antimony Manganese Cadmium Chromium Iron
SWMU-57-4411 SS-15'-FC-NUM9		X	4-4-11	1400	SOIL	1		1		
SWMU-57-4411 SS-15'-FC-NUM10		X	4-4-11	1500	SOIL	1		1		
SWMU-57-4511 SS-7.5'-SW-12		X	4-5-11	1330	SOIL	1		1		

Relinquished by: (Signature)	Date	Time	Received (Signature)
	4-5-11	1120	
Relinquished by: (Signature)	Date	Time	Received (Signature)

Microbac OVD
Received: 04/06/2011 11:46
By: ROBIN KLINGER
Robin L. Klinger

221000013792

Date	Time	Received by: (Signature)

Remarks:

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

Page _____ of _____

COOLER INSPECTION

Received: 04/06/2011 11:46
Delivery Method: FedEx
Opened By: Robin Klinger
Comments:

Login(s): L11040179|

Cooler(s)

Cooler #	Temp Gun	Temp	Tracking #	COC #	Comments
001-000080	G	0.0	345750961100256387504383856820 06	2169	

1	Yes	Were shipping coolers sealed?
2	Yes	Were custody seals intact?
3	Yes	Were cooler temperatures in range of 0-6?
4	Yes	Was ice present?
5	Yes	Were COC's received/information complete/signed and dated?
6	Yes	Were sample containers and labels intact and match COC?
7	Yes	Were the correct containers and volumes received?
8	Yes	Were samples received within EPA hold times?
9	NA	Were correct perservatives used? (water only)
10	NA	Were pH ranges acceptable? (voa's excluded)
11	NA	Were VOA samples free of headspace (less than 6mm)?

Discrepancies:

Microbac - Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750
Tel: (740)373-4071 Fax: (740)373-4835

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11040179
Account: 2820
Project: 2820.216
Samples: 4
Due Date: 07-APR-2011

Samplenum	Container ID	Products
L11040179-01	816683	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:05	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

Samplenum	Container ID	Products
L11040179-02	816684	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:05	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

Samplenum	Container ID	Products
L11040179-03	816685	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:05	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

Samplenum	Container ID	Products
L11040179-04	816686	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:05	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L11040180

Client: Mary Lou Rochette, 156 Starlite Drive, Marietta, OH, 45750

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Kathy Albertson	*Team Chemist/Data Specialist*	Kathy.Albertson@microbac.com
Stephanie Mossburg	*Team Chemist/Data Specialist*	Stephanie.Mossburg@microbac.com
Tony Long	*Team Chemist/Data Specialist*	Tony.Long@microbac.com
Amanda Fickiesen	*Client Services Specialist*	Amanda.Fickiesen@microbac.com
Annie Brown	*Client Services Specialist*	Annie.Brown@microbac.com

This report was reviewed on April 08, 2011.

Stephanie Mossburg - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the DoD QSM and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, DoD ELAP certification number 2936.01. The reported results are related only to the samples analyzed as received.

This report was certified on April 08, 2011.

David Vandenberg - Managing Director

State of origin: Virginia
Accrediting authority: N/A ID:N/A
QAPP: DOD Ver 4.1
This report contains a total of 858 pages.

Look closer. Go further. Do more.

Microbac REPORT L11040180
PREPARED FOR Kemron Environmental Services
WORK ID:

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1.0 Introduction

LABORATORY REPORT

L11040180

04/08/11 13:10

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Marv Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
SWMU-57-4511-SS-DUP	L11040180-01	04/05/2011 13:30	04/06/2011
SWMU-57-4511-SS-MS	L11040180-02	04/05/2011 13:30	04/06/2011
SWMU-57-4511-SS-MSD	L11040180-03	04/05/2011 13:30	04/06/2011

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number: **L11040180-01** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4511-SS-DUP** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 15:42**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **T2.040611.154234**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15500		19.4	9.72
Antimony, Total	7440-36-0		U	0.972	0.486
Iron, Total	7439-89-6	32100		2.92	1.46
Manganese, Total	7439-96-5	542		0.486	0.243

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040180-01** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4511-SS-DUP** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 22:13**
Collect Date: **04/05/2011 13:30** | Dilution: **5** | File ID: **EL.040611.221328**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9		U	0.615	0.308
Chromium, Total	7440-47-3	15.5		2.46	1.23

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11040180-01** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4511-SS-DUP** | Prep Method: **D2216-90** | Prep Date: **04/07/2011 08:54**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG361004** | Analyst: **JDH** | Run Date: **04/07/2011 08:54**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **B1.361004-0115**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	78.4		1.00	1.00

Sample Number: **L11040180-02** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4511-SS-MS** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 15:46**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **T2.040611.154601**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16200		19.4	9.72
Antimony, Total	7440-36-0	24.8		0.972	0.486
Iron, Total	7439-89-6	31000		2.92	1.46
Manganese, Total	7439-96-5	889		0.486	0.243

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number: **L11040180-02** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4511-SS-MS** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 22:20**
Collect Date: **04/05/2011 13:30** | Dilution: **5** | File ID: **EL.040611.222035**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	14.2		0.615	0.308
Chromium, Total	7440-47-3	34.9		2.46	1.23

Sample Number: **L11040180-02** | PrePrep Method: **NONE** | Instrument: **BAL001**
Client ID: **SWMU-57-4511-SS-MS** | Prep Method: **D2216-90** | Prep Date: **04/07/2011 08:54**
Matrix: **Soil** | Analytical Method: **D2216-90** | Cal Date:
Workgroup Number: **WG361004** | Analyst: **JDH** | Run Date: **04/07/2011 08:54**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **B1.361004-0116**
Sample Tag: **01** | Units: **weight %**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	78.4		1.00	1.00

Sample Number: **L11040180-03** | PrePrep Method: **NONE** | Instrument: **ICP-THERMO2**
Client ID: **SWMU-57-4511-SS-MSD** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:21**
Matrix: **Soil** | Analytical Method: **6010B** | Cal Date: **04/06/2011 10:51**
Workgroup Number: **WG360996** | Analyst: **JYH** | Run Date: **04/06/2011 15:49**
Collect Date: **04/05/2011 13:30** | Dilution: **1** | File ID: **T2.040611.154927**
Sample Tag: **01** | Units: **mg/kg** | Percent Solid: **78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15800		19.4	9.72
Antimony, Total	7440-36-0	25.4		0.972	0.486
Iron, Total	7439-89-6	30800		2.92	1.46
Manganese, Total	7439-96-5	1410		0.486	0.243

Sample Number: **L11040180-03** | PrePrep Method: **NONE** | Instrument: **ELAN-ICP**
Client ID: **SWMU-57-4511-SS-MSD** | Prep Method: **3051A** | Prep Date: **04/06/2011 13:34**
Matrix: **Soil** | Analytical Method: **6020** | Cal Date: **04/06/2011 16:17**
Workgroup Number: **WG360998** | Analyst: **EDL** | Run Date: **04/06/2011 22:27**
Collect Date: **04/05/2011 13:30** | Dilution: **5** | File ID: **EL.040611.222742**
Sample Tag: **DL01** | Units: **mg/kg** | Percent Solid: **78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	13.2		0.615	0.308
Chromium, Total	7440-47-3	32.9		2.46	1.23

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	**L11040180-03**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4511-SS-MSD**	Prep Method:	**D2216-90**	Prep Date:	**04/07/2011 08:54**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG361004**	Analyst:	**JDH**	Run Date:	**04/07/2011 08:54**
Collect Date:	**04/05/2011 13:30**	Dilution:	**1**	File ID:	**B1.361004-0117**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**78.4**		**1.00**	**1.00**

Login Number: L11040180

Department: Login

Chain of Custody:

Shipment Conditions

COC #	Cooler #	Temperature
2170	001-000080	0.0

Sample Management: All samples were received intact.

Sample Identification

Lab ID	Client ID
L11040180-01	SWMU-57-4511-SS-DUP
L11040180-02	SWMU-57-4511-SS-MS
L11040180-03	SWMU-57-4511-SS-MSD

Narrative ID: 25083
Approved By: Stephanie Mossburg
Stephanie Mossburg

2.0 Full Sample Data Package

2.1 Metals Data

2.1.1 Metals I C P Data

2.1.1.1 Summary Data

Login Number: L11040180

Department: Metals

Analyst: Ji Hu

METHOD

Preparation: SW-846 3051

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360996 - All acceptance criteria were met.All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

Narrative ID: 25163
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040180

04/08/11 13:10

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4511-SS-DUP	L11040180-01	6010B	1	06-APR-11
SWMU-57-4511-SS-MS	L11040180-02	6010B	1	06-APR-11
SWMU-57-4511-SS-MSD	L11040180-03	6010B	1	06-APR-11

Microbac Laboratories Inc.

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	**L11040180-01**	PrePrep Method:	**NONE**	Instrument:	**ICP-THERMO2**
Client ID:	**SWMU-57-4511-SS-DUP**	Prep Method:	**3051A**	Prep Date:	**04/06/2011 13:21**
Matrix:	**Soil**	Analytical Method:	**6010B**	Cal Date:	**04/06/2011 10:51**
Workgroup Number:	**WG360996**	Analyst:	**JYH**	Run Date:	**04/06/2011 15:42**
Collect Date:	**04/05/2011 13:30**	Dilution:	**1**	File ID:	**T2.040611.154234**
Sample Tag:	**01**	Units:	**mg/kg**	Percent Solid:	**78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	**7429-90-5**	**15500**		**19.4**	**9.72**
Antimony, Total	**7440-36-0**		**U**	**0.972**	**0.486**
Iron, Total	**7439-89-6**	**32100**		**2.92**	**1.46**
Manganese, Total	**7439-96-5**	**542**		**0.486**	**0.243**

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	L11040180-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4511-SS-MS	Prep Method:	3051A	Prep Date:	04/06/2011 13:21
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/06/2011 10:51
Workgroup Number:	WG360996	Analyst:	JYH	Run Date:	04/06/2011 15:46
Collect Date:	04/05/2011 13:30	Dilution:	1	File ID:	T2.040611.154601
Sample Tag:	01	Units:	mg/kg	Percent Solid:	78.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	16200		19.4	9.72
Antimony, Total	7440-36-0	24.8		0.972	0.486
Iron, Total	7439-89-6	31000		2.92	1.46
Manganese, Total	7439-96-5	889		0.486	0.243

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	L11040180-03	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SWMU-57-4511-SS-MSD	Prep Method:	3051A	Prep Date:	04/06/2011 13:21
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	04/06/2011 10:51
Workgroup Number:	WG360996	Analyst:	JYH	Run Date:	04/06/2011 15:49
Collect Date:	04/05/2011 13:30	Dilution:	1	File ID:	T2.040611.154927
Sample Tag:	01	Units:	mg/kg	Percent Solid:	78.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	15800		19.4	9.72
Antimony, Total	7440-36-0	25.4		0.972	0.486
Iron, Total	7439-89-6	30800		2.92	1.46
Manganese, Total	7439-96-5	1410		0.486	0.243

2.1.1.2 QC Summary Data

Example 6010 Calculations
Thermo Scientific iCAP 6500

1.0 Initial Calibration (ICAL) Parameters
For a multi-point calibration, the system performs linear regression from data consisting of a blank and four standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360981
Analyst: REK
Spike Analyst: ERP
Run Date: 04/06/2011 13:21
Method: 3051A
Balance: BAL014
Instrument: MW-3

SOP: ME406 Revison 12
Spike Solution: STD39933
Spike Witness: VC
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15342
HNO3 Lot #: COA15353

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360981-02	BLANK	7	1 g	50 mL	179.493 g	179.482 g		
2	WG360981-03	LCS	7	1 g	50 mL	180.504 g	180.512 g	5 mL	
3	L11040078-12	SAMP	7	1.326 g	50 mL	175.821 g	175.815 g		04/08/11
4	L11040078-13	SAMP	7	1.334 g	50 mL	175.883 g	175.869 g		04/08/11
5	L11040078-14	SAMP	7	1.425 g	50 mL	177.449 g	177.396 g		04/08/11
6	L11040078-15	SAMP	7	1.439 g	50 mL	179.461 g	179.43 g		04/08/11
7	L11040078-16	SAMP	7	1.328 g	50 mL	176.759 g	176.748 g		04/08/11
8	L11040078-17	SAMP	7	1.356 g	50 mL	177.245 g	177.231 g		04/08/11
9	L11040078-18	SAMP	7	1.394 g	50 mL	179.64 g	179.621 g		04/08/11
10	L11040078-19	SAMP	7	1.441 g	50 mL	178.238 g	178.194 g		04/08/11
11	L11040078-20	SAMP	7	1.336 g	50 mL	177.678 g	177.668 g		04/08/11
12	L11040078-21	SAMP	7	1.477 g	50 mL	175.414 g	175.396 g		04/08/11
13	L11040078-22	SAMP	7	1.326 g	50 mL	176.373 g	176.369 g		04/08/11
14	L11040078-23	SAMP	7	1.462 g	50 mL	175.857 g	175.853 g		04/08/11
15	L11040078-24	SAMP	7	1.478 g	50 mL	178.974 g	178.982 g		04/08/11
16	L11040078-25	SAMP	7	1.334 g	50 mL	176.639 g	176.626 g		04/08/11
17	L11040078-26	SAMP	7	1.321 g	50 mL	179.514 g	179.415 g		04/08/11
18	L11040179-01	SAMP	7	1.324 g	50 mL	177.073 g	177.073 g		04/07/11
19	L11040179-02	SAMP	7	1.443 g	50 mL	179.916 g	179.894 g		04/07/11
20	L11040179-03	SAMP	7	1.471 g	50 mL	180.464 g	180.447 g		04/07/11
21	L11040179-04	SAMP	7	1.315 g	50 mL	176.731 g	176.726 g		04/07/11
22	WG360981-01	REF	7	1.312 g	50 mL	176.857 g	176.781 g		
23	L11040180-01	RS01	7	1.312 g	50 mL	176.857 g	176.781 g		04/13/11
24	WG360981-04	MS	7	1.312 g	50 mL	184.157 g	184.152 g	5 mL	
25	L11040180-02	MS01	7	1.312 g	50 mL	184.157 g	184.152 g	5 mL	04/13/11
26	WG360981-05	MSD	7	1.312 g	50 mL	182.247 g	182.248 g	5 mL	
27	L11040180-03	SD01	7	1.312 g	50 mL	182.247 g	182.248 g	5 mL	04/13/11

Analyst: [signature]

Reviewer: Brenda Gregory

MW_DIG - Modified 09/30/2009
PDF ID: 1966258
Report generated: 04/06/2011 14:13

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.040611.103748	WG361002-01	Calibration Point		1		04/06/11 10:37
2	T2.040611.104124	WG361002-02	Calibration Point		1		04/06/11 10:41
3	T2.040611.104458	WG361002-03	Calibration Point		1		04/06/11 10:44
4	T2.040611.104830	WG361002-04	Calibration Point		1		04/06/11 10:48
5	T2.040611.105151	WG361002-05	Calibration Point		1		04/06/11 10:51
6	T2.040611.105517	WG361002-06	Initial Calibration Verification		1		04/06/11 10:55
7	T2.040611.105839	WG361002-07	Initial Calib Blank		1		04/06/11 10:58
8	T2.040611.110215	WG361002-08	Interference Check		1		04/06/11 11:02
9	T2.040611.110539	WG361002-09	Interference Check		1		04/06/11 11:05
10	T2.040611.110905	WG361002-10	CCV		1		04/06/11 11:09
11	T2.040611.111226	WG361002-11	CCB		1		04/06/11 11:12
12	T2.040611.111606	WG360436-02	Method/Prep Blank	1/50	1		04/06/11 11:16
13	T2.040611.111941	WG360436-03	Laboratory Control S	1/50	1		04/06/11 11:19
14	T2.040611.112319	L11030504-89	T2	50/50	1		04/06/11 11:23
15	T2.040611.112657	L11030861-35	11584-C0006	1.04/50	5		04/06/11 11:26
16	T2.040611.113022	WG360938-01	Post Digestion Spike		5	L11030861-35	04/06/11 11:30
17	T2.040611.113341	WG360938-02	Serial Dilution		25	L11030861-35	04/06/11 11:33
18	T2.040611.113710	WG360938-02	Serial Dilution		125	L11030861-35	04/06/11 11:37
19	T2.040611.114042	L11030861-36	11584-C0007	1.007/50	5		04/06/11 11:40
20	T2.040611.114407	L11030861-37	11584-C0008	1.009/50	5		04/06/11 11:44
21	T2.040611.114732	L11030861-38	11584-C0009	1.004/50	5		04/06/11 11:47
22	T2.040611.115110	WG361002-12	CCV		1		04/06/11 11:51
23	T2.040611.115430	WG361002-13	CCB		1		04/06/11 11:54
24	T2.040611.115810	L11030861-39	11584-C0010	1.021/50	5		04/06/11 11:58
25	T2.040611.120143	L11030861-40	12429-C0003	1.027/50	5		04/06/11 12:01
26	T2.040611.120507	L11030861-41	12429-C0004	1.041/50	5		04/06/11 12:05
27	T2.040611.120830	WG360436-01	Reference Sample		5	L11030861-42	04/06/11 12:08
28	T2.040611.121154	WG360436-04	Matrix Spike	1/50	5	L11030861-42	04/06/11 12:11
29	T2.040611.121518	WG360436-05	Matrix Spike Duplica	1/50	5	L11030861-42	04/06/11 12:15
30	T2.040611.121842	L11030861-45	12429-C0006	1.014/50	5		04/06/11 12:18
31	T2.040611.122206	L11030861-46	12429-C0008	1.013/50	5		04/06/11 12:22
32	T2.040611.122530	L11030861-47	12429-C0009	1.046/50	5		04/06/11 12:25
33	T2.040611.122853	L11030861-48	12429-C0010	1.015/50	5		04/06/11 12:28
34	T2.040611.123223	WG361002-14	CCV		1		04/06/11 12:32

Page: 1 Approved: April 07, 2011

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.040611.123544	WG361002-15	CCB		1		04/06/11 12:35
36	T2.040611.123928	L11030861-49	12429-C0011	1.026/50	5		04/06/11 12:39
37	T2.040611.124251	L11030861-50	11522-C0005	1.013/50	5		04/06/11 12:42
38	T2.040611.124624	L11030861-51	11534-C0001	1.001/50	5		04/06/11 12:46
39	T2.040611.124958	L11030861-52	11575-C0002	1.01/50	5		04/06/11 12:49
40	T2.040611.125323	L11030861-53	11584-C0004	1.032/50	5		04/06/11 12:53
41	T2.040611.125653	L11030906-01	1100-C0001	1.017/50	1		04/06/11 12:56
42	T2.040611.130023	L11030906-02	1100-C0002	1.013/50	1		04/06/11 13:00
43	T2.040611.130347	L11030906-03	1100-C0003	1.008/50	1		04/06/11 13:03
44	T2.040611.130713	L11030859-08	10120-C0006	1.04/50	2		04/06/11 13:07
45	T2.040611.131042	WG361002-16	CCV		1		04/06/11 13:10
46	T2.040611.131404	WG361002-17	CCB		1		04/06/11 13:14
47	T2.040611.131748	WG360443-02	Method/Prep Blank	1/50	1		04/06/11 13:17
48	T2.040611.132123	WG360443-03	Laboratory Control S	1/50	1		04/06/11 13:21
49	T2.040611.132455	L11030906-04	1100-C0004	1.033/50	1		04/06/11 13:24
50	T2.040611.132824	WG360939-01	Post Digestion Spike		1	L11030906-04	04/06/11 13:28
51	T2.040611.133144	WG360939-02	Serial Dilution		5	L11030906-04	04/06/11 13:31
52	T2.040611.133510	WG360939-02	Serial Dilution		25	L11030906-04	04/06/11 13:35
53	T2.040611.133837	L11030906-05	1100-C0005	1.01/50	1		04/06/11 13:38
54	T2.040611.134207	L11030906-06	1100-C0006	1.014/50	1		04/06/11 13:42
55	T2.040611.134528	L11030906-07	1100-C0007	1.009/50	1		04/06/11 13:45
56	T2.040611.134858	L11030906-08	1100-C0008	1.006/50	1		04/06/11 13:48
57	T2.040611.135234	WG361002-18	CCV		1		04/06/11 13:52
58	T2.040611.135554	WG361002-19	CCB		1		04/06/11 13:55
59	T2.040611.135937	L11030906-09	1100-C0009	1.011/50	1		04/06/11 13:59
60	T2.040611.140259	L11030906-10	1100-C0010	1.004/50	1		04/06/11 14:02
61	T2.040611.140622	L11030906-11	1100-C0011	1.014/50	1		04/06/11 14:06
62	T2.040611.140943	L11030906-12	1100-C0012	1.006/50	1		04/06/11 14:09
63	T2.040611.141307	L11030906-13	1100-C0013	1.015/50	1		04/06/11 14:13
64	T2.040611.141638	L11030906-14	1100-C0014	1.003/50	1		04/06/11 14:16
65	T2.040611.142001	L11030906-15	1100-C0015	1.013/50	1		04/06/11 14:20
66	T2.040611.142329	L11030906-16	1100-C0016	1.01/50	1		04/06/11 14:23
67	T2.040611.142658	L11030906-17	1100-C0017	1.024/50	1		04/06/11 14:26
68	T2.040611.143027	L11030906-18	1100-C0018	1.038/50	1		04/06/11 14:30

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Sheri L. Babcock

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.040611.143405	WG361002-20	CCV		1		04/06/11 14:34
70	T2.040611.143726	WG361002-21	CCB		1		04/06/11 14:37
71	T2.040611.144109	L11030504-76	T2	50/50	1		04/06/11 14:41
72	T2.040611.144451	L11030504-76	T2		1		04/06/11 14:44
73	T2.040611.144827	L11030504-87	T2	50/50	1		04/06/11 14:48
74	T2.040611.145212	WG360443-01	Reference Sample		1	L11030906-19	04/06/11 14:52
75	T2.040611.145559	WG360443-04	Matrix Spike	1.01/50	1	L11030906-19	04/06/11 14:55
76	T2.040611.145945	WG360443-05	Matrix Spike Duplica	1.01/50	1	L11030906-19	04/06/11 14:59
77	T2.040611.150332	L11030906-22	1100-C0020	1.008/50	1		04/06/11 15:03
78	T2.040611.150707	L11030906-23	1100-C0021	1.015/50	1		04/06/11 15:07
79	T2.040611.151037	L11030906-24	1100-C0022	1.014/50	1		04/06/11 15:10
80	T2.040611.151405	L11030906-25	1100-C0023	1.023/50	1		04/06/11 15:14
81	T2.040611.151754	WG361002-22	CCV		1		04/06/11 15:17
82	T2.040611.152114	WG361002-23	CCB		1		04/06/11 15:21
83	T2.040611.152452	WG360981-02	Method/Prep Blank	1/50	1		04/06/11 15:24
84	T2.040611.152827	WG360981-03	Laboratory Control S	1/50	1		04/06/11 15:28
85	T2.040611.153150	WG361002-24	Linear Range Check		1		04/06/11 15:31
86	T2.040611.153520	WG361002-24	Linear Range Check		1		04/06/11 15:35
87	T2.040611.153856	WG361002-24	Linear Range Check		1		04/06/11 15:38
88	T2.040611.154234	WG360981-01	Reference Sample		1	L11040180-01	04/06/11 15:42
89	T2.040611.154601	WG360981-04	Matrix Spike	1.312/50	1	L11040180-01	04/06/11 15:46
90	T2.040611.154927	WG360981-05	Matrix Spike Duplica	1.312/50	1	L11040180-01	04/06/11 15:49
91	T2.040611.155302	WG360996-01	Post Digestion Spike		1	L11040180-01	04/06/11 15:53
92	T2.040611.155628	WG360996-02	Serial Dilution		5	L11040180-01	04/06/11 15:56
93	T2.040611.155953	WG361002-25	CCV		1		04/06/11 15:59
94	T2.040611.160315	WG361002-26	CCB		1		04/06/11 16:03
95	T2.040611.160656	WG360996-02	Serial Dilution		25	L11040180-01	04/06/11 16:06
96	T2.040611.161027	WG360996-02	Serial Dilution		125	L11040180-01	04/06/11 16:10
97	T2.040611.161400	L11040179-01	SWMU-57-4411-SS-7.5-SW-	1.324/50	1		04/06/11 16:14
98	T2.040611.161728	L11040179-02	SWMU-57-4411-SS-15-FC-N	1.443/50	1		04/06/11 16:17
99	T2.040611.162056	L11040179-03	SWMU-57-4411-SS-15-FC-N	1.471/50	1		04/06/11 16:20
100	T2.040611.162424	L11040179-04	SWMU-57-4511-SS-7.5-SW-	1.315/50	1		04/06/11 16:24
101	T2.040611.162751	L11040078-12	9446-C0026	1.326/50	1		04/06/11 16:27
102	T2.040611.163128	L11040078-13	9446-C0027	1.334/50	1		04/06/11 16:31

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Sheri L. Babcock

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.040611.163508	WG361002-27	CCV		1		04/06/11 16:35
104	T2.040611.163830	WG361002-28	CCB		1		04/06/11 16:38
105	T2.040611.164210	L11040078-14	9446-C0028	1.425/50	1		04/06/11 16:42
106	T2.040611.164549	L11040078-15	9446-C0029	1.439/50	1		04/06/11 16:45
107	T2.040611.164925	L11040078-16	9446-C0030	1.328/50	1		04/06/11 16:49
108	T2.040611.165302	L11040078-17	9446-C0031	1.356/50	1		04/06/11 16:53
109	T2.040611.165647	L11040078-18	9446-C0032	1.394/50	1		04/06/11 16:56
110	T2.040611.170032	L11040078-19	9446-C0033	1.441/50	1		04/06/11 17:00
111	T2.040611.170408	L11040078-20	9446-C0034	1.336/50	1		04/06/11 17:04
112	T2.040611.170745	L11040078-21	9446-C0035	1.477/50	1		04/06/11 17:07
113	T2.040611.171127	WG361002-29	CCV		1		04/06/11 17:11
114	T2.040611.171448	WG361002-30	CCB		1		04/06/11 17:14
115	T2.040611.171825	L11040078-22	9446-C0036	1.326/50	1		04/06/11 17:18
116	T2.040611.172210	L11040078-23	9446-C0037	1.462/50	1		04/06/11 17:22
117	T2.040611.172556	L11040078-24	9446-C0038	1.478/50	1		04/06/11 17:25
118	T2.040611.172941	L11040078-25	9446-C0039	1.334/50	1		04/06/11 17:29
119	T2.040611.173322	L11040078-26	9446-C0040	1.321/50	1		04/06/11 17:33
120	T2.040611.173709	WG361002-31	CCV		1		04/06/11 17:37
121	T2.040611.174030	WG361002-32	CCB		1		04/06/11 17:40
122	T2.040611.174410	WG360445-02	Method/Prep Blank	1/50	1		04/06/11 17:44
123	T2.040611.174746	WG360445-03	Laboratory Control S	1/50	1		04/06/11 17:47
124	T2.040611.175118	L11030906-26	1100-C0024	1.023/50	1		04/06/11 17:51
125	T2.040611.175455	WG360942-01	Post Digestion Spike		1	L11030906-26	04/06/11 17:54
126	T2.040611.175830	WG360942-02	Serial Dilution		5	L11030906-26	04/06/11 17:58
127	T2.040611.180154	WG360942-02	Serial Dilution		25	L11030906-26	04/06/11 18:01
128	T2.040611.180522	L11030906-27	1100-C0025	1.039/50	1		04/06/11 18:05
129	T2.040611.180859	L11030906-28	1100-C0026	1.001/50	1		04/06/11 18:08
130	T2.040611.181235	L11030906-29	1100-C0027	1.047/50	1		04/06/11 18:12
131	T2.040611.181612	L11030906-30	1100-C0028	1.023/50	1		04/06/11 18:16
132	T2.040611.181958	WG361002-33	CCV		1		04/06/11 18:19
133	T2.040611.182319	WG361002-34	CCB		1		04/06/11 18:23
134	T2.040611.182702	L11030906-31	1100-C0029	1.033/50	1		04/06/11 18:27
135	T2.040611.183038	L11030906-32	1100-C0030	1.025/50	1		04/06/11 18:30
136	T2.040611.183414	L11030906-33	1100-C0031	1.047/50	1		04/06/11 18:34

Page: 4 Approved: April 07, 2011

Sheri L. Babcock

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
137	T2.040611.183751	L11030906-34	1100-C0032	1.003/50	1		04/06/11 18:37
138	T2.040611.184136	L11030906-35	1100-C0033	1.022/50	1		04/06/11 18:41
139	T2.040611.184514	L11030906-36	1100-C0034	1.029/50	1		04/06/11 18:45
140	T2.040611.184842	L11030906-37	1275-C0001	1.014/50	1		04/06/11 18:48
141	T2.040611.185211	L11030906-38	1275-C0002	1.033/50	1		04/06/11 18:52
142	T2.040611.185538	L11030906-39	1275-C0003	1.013/50	1		04/06/11 18:55
143	T2.040611.185915	L11030906-40	1275-C0004	1.024/50	1		04/06/11 18:59
144	T2.040611.190249	WG361002-35	CCV		1		04/06/11 19:02
145	T2.040611.190609	WG361002-36	CCB		1		04/06/11 19:06
146	T2.040611.190949	L11030906-41	1275-C0005	1.02/50	1		04/06/11 19:09
147	T2.040611.191318	L11030906-42	1275-C0006	1.005/50	1		04/06/11 19:13
148	T2.040611.191645	L11030906-43	1275-C0007	1.028/50	1		04/06/11 19:16
149	T2.040611.192021	WG360445-01	Reference Sample		1	L11030906-44	04/06/11 19:20
150	T2.040611.192358	WG360445-04	Matrix Spike	1.007/50	1	L11030906-44	04/06/11 19:23
151	T2.040611.192734	WG360445-05	Matrix Spike Duplica	1.007/50	1	L11030906-44	04/06/11 19:27
152	T2.040611.193110	L11030906-47	1275-C0009	1.015/50	1		04/06/11 19:31
153	T2.040611.193451	WG361002-37	CCV		1		04/06/11 19:34
154	T2.040611.193813	WG361002-38	CCB		1		04/06/11 19:38
155	T2.040611.194149	WG360470-02	Method/Prep Blank		1		04/06/11 19:41
156	T2.040611.194525	WG360470-03	Laboratory Control S		1		04/06/11 19:45
157	T2.040611.194858	L11030906-48	1747-C0001		1		04/06/11 19:48
158	T2.040611.195218	L11030907-01	1747-C0002		1		04/06/11 19:52
159	T2.040611.195540	WG360965-01	Post Digestion Spike		1	L11030907-01	04/06/11 19:55
160	T2.040611.195858	WG360965-02	Serial Dilution		5	L11030907-01	04/06/11 19:58
161	T2.040611.200224	WG360965-02	Serial Dilution		25	L11030907-01	04/06/11 20:02
162	T2.040611.200553	L11030907-02	1747-C0003		1		04/06/11 20:05
163	T2.040611.200923	L11030907-03	1747-C0004		1		04/06/11 20:09
164	T2.040611.201302	L11030907-04	1747-C0005		1		04/06/11 20:13
165	T2.040611.201632	WG361002-39	CCV		1		04/06/11 20:16
166	T2.040611.201954	WG361002-40	CCB		1		04/06/11 20:19
167	T2.040611.202334	L11030907-05	1813-C0001		1		04/06/11 20:23
168	T2.040611.202710	L11030907-06	1813-C0002		1		04/06/11 20:27
169	T2.040611.203046	L11030907-07	1813-C0003		1		04/06/11 20:30
170	T2.040611.203421	L11030907-08	1930-C0001		1		04/06/11 20:34

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Esther L. Babgard

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
171	T2.040611.203744	L11030907-09	1930-C0002		1		04/06/11 20:37
172	T2.040611.204105	L11030907-10	1930-C0003		1		04/06/11 20:41
173	T2.040611.204443	L11030907-11	1930-C0004		1		04/06/11 20:44
174	T2.040611.204820	L11030907-12	1972-C0247		1		04/06/11 20:48
175	T2.040611.205200	L11030907-13	1972-C0248		1		04/06/11 20:52
176	T2.040611.205529	WG360470-01	Reference Sample		1	L11030907-14	04/06/11 20:55
177	T2.040611.205912	WG361002-41	CCV		1		04/06/11 20:59
178	T2.040611.210235	WG361002-42	CCB		1		04/06/11 21:02
179	T2.040611.210616	WG360470-04	Matrix Spike		1	L11030907-14	04/06/11 21:06
180	T2.040611.210953	WG360470-05	Matrix Spike Duplica		1	L11030907-14	04/06/11 21:09
181	T2.040611.211330	L11030907-17	1972-C0250		1		04/06/11 21:13
182	T2.040611.211708	L11030907-18	1972-C0251		1		04/06/11 21:17
183	T2.040611.212045	L11030907-19	1972-G0047		1		04/06/11 21:20
184	T2.040611.212431	L11030907-20	1972-G0048		1		04/06/11 21:24
185	T2.040611.212833	L11030907-21	1972-G0049		1		04/06/11 21:28
186	T2.040611.213218	WG360411-01	Reference Sample		2	L11030859-44	04/06/11 21:32
187	T2.040611.213551	WG360411-04	Matrix Spike	1.044/50	2	L11030859-44	04/06/11 21:35
188	T2.040611.213923	WG360411-05	Matrix Spike Duplica	1.044/50	2	L11030859-44	04/06/11 21:39
189	T2.040611.214301	WG361002-43	CCV		1		04/06/11 21:43
190	T2.040611.214623	WG361002-44	CCB		1		04/06/11 21:46
191	T2.040611.215003	WG360471-02	Method/Prep Blank	1/50	1		04/06/11 21:50
192	T2.040611.215337	WG360471-03	Laboratory Control S	1/50	1		04/06/11 21:53
193	T2.040611.215711	L11030907-22	1972-G0050	1.021/50	1		04/06/11 21:57
194	T2.040611.220056	WG360988-01	Post Digestion Spike		1	L11030907-22	04/06/11 22:00
195	T2.040611.220440	L11030907-22	1972-G0050		5		04/06/11 22:04
196	T2.040611.220802	WG360988-02	Serial Dilution		25	L11030907-22	04/06/11 22:08
197	T2.040611.221128	L11030907-23	1972-G0051	1.011/50	2		04/06/11 22:11
198	T2.040611.221511	L11030907-24	1972-G0052	1.031/50	2		04/06/11 22:15
199	T2.040611.221858	L11030907-25	1972-G0053	1.028/50	1		04/06/11 22:18
200	T2.040611.222219	L11030907-26	1972-G0054	1.001/50	1		04/06/11 22:22
201	T2.040611.222616	WG361002-45	CCV		1		04/06/11 22:26
202	T2.040611.222939	WG361002-46	CCB		1		04/06/11 22:29
203	T2.040611.223320	L11030907-27	1972-G0055	1.001/50	1		04/06/11 22:33
204	T2.040611.223658	L11030907-28	1972-G0056	1.013/50	1		04/06/11 22:36

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Sheri L. Babcock

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
205	T2.040611.224035	L11030907-29	1972-G0057	1.048/50	1		04/06/11 22:40
206	T2.040611.224413	L11030907-30	1972-G0058	1.024/50	1		04/06/11 22:44
207	T2.040611.224751	L11030907-31	1972-G0059	1.018/50	1		04/06/11 22:47
208	T2.040611.225126	L11030907-32	1972-G0060	1.027/50	1		04/06/11 22:51
209	T2.040611.225511	L11030907-33	1972-G0061	1.021/50	1		04/06/11 22:55
210	T2.040611.225848	L11030907-34	1972-G0062	1.026/50	1		04/06/11 22:58
211	T2.040611.230233	L11030907-35	1972-G0063	1.039/50	1		04/06/11 23:02
212	T2.040611.230610	L11030907-36	1972-G0064	1.049/50	1		04/06/11 23:06
213	T2.040611.231003	WG361002-47	CCV		1		04/06/11 23:10
214	T2.040611.231326	WG361002-48	CCB		1		04/06/11 23:13
215	T2.040611.231707	L11030907-37	1972-G0065	1.037/50	1		04/06/11 23:17
216	T2.040611.232044	L11030907-38	1972-G0066	1.046/50	1		04/06/11 23:20
217	T2.040611.232429	L11030907-39	1972-G0067	1.021/50	1		04/06/11 23:24
218	T2.040611.232806	L11030907-40	1972-G0068	1.005/50	1		04/06/11 23:28
219	T2.040611.233152	WG360471-01	Reference Sample		1	L11030907-41	04/06/11 23:31
220	T2.040611.233521	WG360471-04	Matrix Spike	1.039/50	1	L11030907-41	04/06/11 23:35
221	T2.040611.233851	WG360471-05	Matrix Spike Duplica	1.039/50	1	L11030907-41	04/06/11 23:38
222	T2.040611.234226	WG361002-49	CCV		1		04/06/11 23:42
223	T2.040611.234548	WG361002-50	CCB		1		04/06/11 23:45
224	T2.040611.234928	WG360473-02	Method/Prep Blank	1/50	1		04/06/11 23:49
225	T2.040611.235304	WG360473-03	Laboratory Control S	1/50	1		04/06/11 23:53
226	T2.040611.235638	L11030907-42	1977-C0002	1.045/50	1		04/06/11 23:56
227	T2.040711.000015	WG360991-01	Post Digestion Spike		1	L11030907-42	04/07/11 00:00
228	T2.040711.000350	L11030907-42	1977-C0002	1.045/50	5		04/07/11 00:03
229	T2.040711.000715	WG360991-02	Serial Dilution		25	L11030907-42	04/07/11 00:07
230	T2.040711.001044	WG360473-01	Reference Sample		1	L11030907-43	04/07/11 00:10
231	T2.040711.001420	WG360473-04	Matrix Spike	1.019/50	1	L11030907-43	04/07/11 00:14
232	T2.040711.001757	WG360473-05	Matrix Spike Duplica	1.019/50	1	L11030907-43	04/07/11 00:17
233	T2.040711.002134	L11030907-46	1977-C0004	1.047/50	1		04/07/11 00:21
234	T2.040711.002518	WG361002-51	CCV		1		04/07/11 00:25
235	T2.040711.002841	WG361002-52	CCB		1		04/07/11 00:28
236	T2.040711.003218	L11030907-47	1977-C0005	1.032/50	1		04/07/11 00:32
237	T2.040711.003555	L11030907-48	1977-C0006	1.031/50	1		04/07/11 00:35
238	T2.040711.003932	L11030908-01	1990-C0001	1.048/50	1		04/07/11 00:39

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Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 040611T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36986

Calibration Std: STD44471 ICV Std: STD44294 Post Spike: STD39932
ICSA: STD44599 ICSAB: STD44368 Int. Std: STD44701
CCV: STD44700 LLCCV:

Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
239	T2.040711.004309	L11030908-02	1990-C0002	1.031/50	1		04/07/11 00:43
240	T2.040711.004645	L11030908-03	1990-C0003	1.05/50	1		04/07/11 00:46
241	T2.040711.005017	L11030908-04	1990-C0004	1.027/50	1		04/07/11 00:50
242	T2.040711.005353	L11030908-05	1990-C0005	1.004/50	1		04/07/11 00:53
243	T2.040711.005721	L11030908-06	1990-C0006	1.004/50	1		04/07/11 00:57
244	T2.040711.010059	L11030908-07	2089-C0001	1.01/50	1		04/07/11 01:00
245	T2.040711.010435	L11030908-08	2089-C0002	1.023/50	1		04/07/11 01:04
246	T2.040711.010822	WG361002-53	CCV		1		04/07/11 01:08
247	T2.040711.011143	WG361002-54	CCB		1		04/07/11 01:11
248	T2.040711.011525	L11030908-09	2089-C0003	1.02/50	1		04/07/11 01:15
249	T2.040711.011901	L11030908-10	2089-C0004	1.049/50	1		04/07/11 01:19
250	T2.040711.012238	L11030908-14	2091-C0002	1.013/50	1		04/07/11 01:22
251	T2.040711.012614	L11030908-15	2091-C0003	1.004/50	1		04/07/11 01:26
252	T2.040711.012951	L11030908-16	2091-C0004	1.033/50	1		04/07/11 01:29
253	T2.040711.013328	L11030908-17	2091-C0005	1.031/50	1		04/07/11 01:33
254	T2.040711.013706	L11030908-18	2091-C0006	1.049/50	1		04/07/11 01:37
255	T2.040711.014049	WG361002-55	CCV		1		04/07/11 01:40
256	T2.040711.014411	WG361002-56	CCB		1		04/07/11 01:44

 Approved: April 07, 2011

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 06-APR-2011
Analyst: JYH
Analyst: NA
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 361002
Runlog ID: 39870
Analytical Workgroups: 360938,360835,360939,360942,360991,360861,360996,360988

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	
Case Narrative	X
Client Forms	X
Level X	
Level 3	
Level 4	861,906,859,078,179,180,907,908
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	JYH
Secondary Reviewer	SLP
Comments	

Primary Reviewer:

Secondary Reviewer:
07-APR-2011

CHECKLIST1 - Modified 03/05/2008
Generated: APR-07-2011 10:56:19

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6010B AAB#: WG360996

Login Number: L11040180

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-4511-SS-DUP	01	04/05/11					04/06/11	1	180		04/06/11	1.1	180	
SWMU-57-4511-SS-MS	02	04/05/11					04/06/11	1	180		04/06/11	1.1	180	
SWMU-57-4511-SS-MSD	03	04/05/11					04/06/11	1	180		04/06/11	1.1	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1967247
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number:	L11040180	Work Group:	WG360996
Blank File ID:	T2.040611.152452	Blank Sample ID:	WG360981-02
Prep Date:	04/06/11 13:21	Instrument ID:	ICP-THERMO2
Analyzed Date:	04/06/11 15:24	Method:	6010B
Analyst:	JYH		

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360981-03	T2.040611.152827	04/06/11 15:28	01
SWMU-57-4511-SS-DUP	L11040180-01	T2.040611.154234	04/06/11 15:42	01
SWMU-57-4511-SS-MS	L11040180-02	T2.040611.154601	04/06/11 15:46	01
SWMU-57-4511-SS-MSD	L11040180-03	T2.040611.154927	04/06/11 15:49	01

Report Name: BLANK_SUMMARY
PDF File ID: 1967248
Report generated 04/07/2011 09:39

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040180 Prep Date: 04/06/11 13:21 Sample ID: WG360981-02
Instrument ID: ICP-THERMO2 Run Date: 04/06/11 15:24 Prep Method: 3051A
File ID: T2.040611.152452 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360996 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ICP-TH-06-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	10.0	20.0	10.0	1	U
Antimony, Total	0.500	1.00	0.500	1	U
Iron, Total	1.50	3.00	1.50	1	U
Manganese, Total	0.250	0.500	0.250	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1967249
07-APR-2011 09:39

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG360981-03
Instrument ID: ICP-THERMO2 Run Time: 15:28 Prep Method: 3051A
File ID: T2.040611.152827 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG360996 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-06-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	250	236	94.5	80 - 120	
Antimony, Total	30.0	29.9	99.6	80 - 120	
Iron, Total	100	96.0	96.0	80 - 120	
Manganese, Total	12.5	12.5	99.9	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1967250
Report generated: 04/07/2011 09:39

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum: L11040180 Cal ID: ICP-THERMO2- 06-APR-11 Worknum: WG360996

Instrument ID: ICP-THERMO2 Contract #: Prep Method: 3051A

Parent ID: L11040180-01 File ID: T2.040611.154234 Dil: 1 Method: 6010B

Sample ID: L11040180-02 MS File ID: T2.040611.154601 Dil: 1 Matrix: Soil

Sample ID: L11040180-03 MSD File ID: T2.040611.154927 Dil: 1 Units: mg/kg

Percent Solid: 78.4

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	15500	243	16200	275	243	15800	110	2.50	80 - 120	20	*
Antimony, Total	U	29.2	24.8	85.2	29.2	25.4	87.2	2.33	80 - 120	20	
Iron, Total	32100	97.2	31000	-1140	97.2	30800	-1310	0.512	80 - 120	20	*
Manganese, Total	542	12.1	889	2860	12.1	1410	7120	45.1	80 - 120	20	*#

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008

PDF File ID: 1967251

Report generated 04/07/2011 13:13

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040180 **Worknum:** WG360996
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG360996-02 **File ID:** T2.040611.155628 **Dil:** 5 **Units:** mg/L
Sample: L11040180-01 **File ID:** T2.040611.154234 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	319		335		5.02	
Antimony	ND	U	ND	U		
Iron	661		720		8.93	
Manganese	11.1		12		8.11	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1967245
04/07/2011 09:39

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040180 **Worknum:** WG360996
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG360996-01 **File ID:** T2.040611.155302 **Dil:** 1 **Units:** mg/L
Sample ID: L11040180-01 **File ID:** T2.040611.154234 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	287		319		5	-11.9	75 - 125	N
ANTIMONY	0.571		0	U	.6	95.2	75 - 125	
IRON	592		661		2	-159.6	75 - 125	N
MANGANESE	10.3		11.1		.25	95.2	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1967246
Report generated: 04/07/2011 09:39

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040180**	Workgroup (AAB#):	**WG360996**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG361002**	Initial Calibration Date:	**06-APR-2011 10:51**

	WG361002-01		WG361002-02		WG361002-03		WG361002-04		WG361002-05			
	Conc	**INT**	**Conc**	**INT**	**Conc**	**INT**	**Conc**	**INT**	**Conc**	**INT**	**R**	**Q**
ALUMINUM	0	0.000910	.1	0.00218	.2	0.00372	10	0.135	20	0.269	.999986	
ANTIMONY	0	0.000130	.012	0.000610	.024	0.00103	1.2	0.0420	2.4	0.0846	.999938	
IRON	0	0.0000100	.04	0.00166	.08	0.00338	4	0.165	8	0.327	.999994	
MANGANESE	0	0.000550	.005	0.00280	.01	0.00482	.5	0.208	1	0.412	.999977	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1967255
Report generated: 07-APR-2011 08:16

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-07
Instrument ID: ICP-THERMO2 Run Time: 10:58 Method: 6010B
File ID: T2.040611.105839 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360996 Cal ID: ICP-THERI - 06-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
IRON	.03	.06	.03	U
MANGANESE	.005	.01	.005	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1967257
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-11

Instrument ID: ICP-THERMO2 Run Time: 11:12 Method: 6010B

File ID: T2.040611.111226 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967260
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-23
Instrument ID: ICP-THERMO2 Run Time: 15:21 Method: 6010B
File ID: T2.040611.152114 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967260
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-26

Instrument ID: ICP-THERMO2 Run Time: 16:03 Method: 6010B

File ID: T2.040611.160315 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Manganese	0.00500	0.0100	0.00500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967260
Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-06

Instrument ID: ICP-THERMO2 Run Time: 10:55 Method: 6010B

File ID: T2.040611.105517 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.1	101	90 - 110	
Antimony		1.2	1.22	102	90 - 110	
Iron		4	4.04	101	90 - 110	
Manganese		.5	0.508	102	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1967256

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-10

Instrument ID: ICP-THERMO2 Run Time: 11:09 Method: 6010B

File ID: T2.040611.110905 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.1	mg/L	101	90 - 110		
Antimony		1.20	1.24	mg/L	103	90 - 110		
Iron		4.00	4.04	mg/L	101	90 - 110		
Manganese		0.500	0.507	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967259

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-22

Instrument ID: ICP-THERMO2 Run Time: 15:17 Method: 6010B

File ID: T2.040611.151754 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.71	mg/L	97.1	90 - 110		
Antimony		1.20	1.28	mg/L	107	90 - 110		
Iron		4.00	3.96	mg/L	99.0	90 - 110		
Manganese		0.500	0.506	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967259

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361002-25

Instrument ID: ICP-THERMO2 Run Time: 15:59 Method: 6010B

File ID: T2.040611.155953 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG360996 Cal ID: ICP-TH - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.51	mg/L	95.1	90 - 110		
Antimony		1.20	1.30	mg/L	109	90 - 110		
Iron		4.00	3.88	mg/L	96.9	90 - 110		
Manganese		0.500	0.507	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967259

Report generated 04/07/2011 08:16

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040180 **Workgroup (AAB#):** WG360996
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG361002-08 **File ID:** T2.040611.110215 **Units:** mg/L
Sol. AB : WG361002-09 **File ID:** T2.040611.110539 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	256	102	250	245	98.0	
Antimony	NS	-0.00165	NS	0.500	0.513	103	
Iron	100	100	100	100	95.6	95.6	
Manganese	NS	-0.00143	NS	0.250	0.247	98.8	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040180 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.0000210	0	0	0	0
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00190	0	-0.000140	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	224.70	0	0	0	0	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000335	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	-0.000750	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	-0.0000300	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	-0.0000120	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0
ZINC	206.20	0.0000420	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967254
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040180 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.000820	0	0	0
ANTIMONY	206.80	0	0	0.00950	0	0.0000560
ARSENIC	189.00	0	0	0.000490	0	-0.0000120
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00343	0	0	-0.000619
CADMIUM	228.80	0	-0.00200	0	0	-0.00000800
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000530
COBALT	228.60	0	0	0.000108	0	0
COPPER	224.70	0	0.0000770	0	0	0.000196
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	-0.0000930	-0.000172	0.000809	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	-0.0000920	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000100	0	0	0.0000320
PHOSPHORUS	214.90	0	0	0	0.00200	0.00120
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0.0000570	0	0	0	0
THALLIUM	190.80	0	0.00397	0.000276	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	-0.00000200
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	-0.0000300

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967254
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040180 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	LI	MG	MN	MO	NA
ALUMINUM	308.20	0	0	0	0.0153	0
ANTIMONY	206.80	0	0	0	0.000670	0
ARSENIC	189.00	0	0	0	0.00109	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.00169	0
CADMIUM	228.80	0	0	0	0.0000220	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0.000160	0	0
COBALT	228.60	0	0	0	-0.000983	0
COPPER	224.70	0	0	0	0.00274	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	0	0	-0.00183	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	-0.00190	-0.0110	0
MANGANESE	257.60	0	0.00000900	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0.00800	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0.000156	0
SILICON	212.40	0	0	0	0.0187	0
SILVER	328.00	0	0	0	-0.0000440	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	-0.000153	0
VANADIUM	292.40	0	0	0	-0.00778	0
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967254
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040180 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	NI	SB	SN	SR	TI
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0	0	-0.00840	0	-0.000990
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	-0.000128	0	0	0	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000550
COBALT	228.60	0.000175	0	0	0	0.00188
COPPER	224.70	-0.0120	0	0	0	0.000269
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000110	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	-0.00290
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	-0.00620
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	-0.00170
TIN	189.90	0	0	0	0	-0.00220
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0.000824
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967254
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11040180 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	V	ZN	ZR
ALUMINUM	308.20	0.00300	0	0
ANTIMONY	206.80	-0.00438	0	0
ARSENIC	189.00	0.000107	0	0
BARIUM	455.40	0	0	0
BERYLLIUM	313.00	0	0	0
BORON	249.70	0	0	0
CADMIUM	228.80	0.0000820	0	0
CALCIUM	422.70	0	0	0
CHROMIUM	267.70	0	0	
COBALT	228.60	0.0000200	0	0
COPPER	224.70	0	0	
IRON	261.20	0	0	0
LEAD	220.30	-0.000126	0	0
LITHIUM	670.80	0	0	0
MAGNESIUM	279.10	0	0	0
MANGANESE	257.60	0	0	0
MOLYBDENUM	202.03	-0.000110	0	0
NICKEL	231.60	0	0	0
PHOSPHORUS	214.90	-0.00500	0	0.00200
POTASSIUM	766.40	0	0	0
SELENIUM	196.00	0	0	0
SILICON	212.40	0	0	0
SILVER	328.00	-0.00617	0	0
SODIUM	589.50	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-0.0282	0	0
TIN	189.90	0	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0	0	
ZINC	206.20	0	0	0
ZIRCONIUM	339.20	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1967254
Report generated: 04/07/2011 08:16

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040180 **Date:** 12/13/2010
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	810.0
Antimony	10.00	90.0
Arsenic	10.00	90.0
Barium	10.00	90.0
Beryllium	15.00	4.5
Boron	10.00	90.0
Cadmium	10.00	16.2
Calcium	10.00	900.0
Chromium	10.00	81.0
Cobalt	10.00	90.0
Copper	10.00	180.0
Iron	5.00	900.0
Lead	10.00	180.0
Lithium	10.00	90.0
Magnesium	15.00	900.0
Manganese	15.00	180.0
Molybdenum	10.00	9.0
Nickel	10.00	90.0
Phosphorus	10.00	900.0
Potassium	10.00	315.0
Selenium	10.00	90.0
Silicon	10.00	90.0
Silver	5.00	9.0
Sodium	10.00	315.0
Strontium	10.00	4.5
Thallium	10.00	9.0
Tin	10.00	90.0
Titanium	15.00	90.0
Vanadium	10.00	90.0
Zinc	10.00	45.0
Zirconium	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1967253
Report generated: 04/07/2011 08:16

2.1.1.3 Raw Data

Sample Name: S0 Acquired: 4/6/2011 10:37:48 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00159**	**.00091**	**-.00018**	**.00220**	**.00665**	**-.00406**	**-.00139**
Stddev	.00005	.00012	.00002	.00016	.00032	.00009	.00014
%RSD	2.8401	13.197	13.777	7.0562	4.8457	2.2016	9.7949
#1	-.00163	.00084	-.00018	.00204	.00634	-.00405	-.00150
#2	-.00159	.00083	-.00020	.00221	.00663	-.00416	-.00124
#3	-.00154	.00105	-.00015	.00235	.00699	-.00398	-.00144

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00013**	**-.00026**	**-.00014**	**.00038**	**.00001**	**-.00126**	**-.00311**
Stddev	.00000	.00001	.00022	.00004	.00004	.00017	.00019
%RSD	1.5951	2.2547	156.37	9.5147	271.91	13.341	6.1253
#1	.00013	-.00027	-.00038	.00038	.00005	-.00111	-.00324
#2	.00013	-.00027	-.00010	.00034	-.00002	-.00122	-.00319
#3	.00014	-.00026	.00005	.00042	.00001	-.00144	-.00289

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00009**	**.00055**	**.00006**	**-.00853**	**-.00045**	**.00023**	**-.00037**
Stddev	.00012	.00003	.00003	.00034	.00002	.00003	.00005
%RSD	135.68	5.6160	42.022	3.9336	3.3523	14.966	12.420
#1	-.00001	.00052	.00007	-.00820	-.00045	.00021	-.00033
#2	-.00022	.00057	.00004	-.00887	-.00045	.00021	-.00036
#3	-.00002	.00057	.00009	-.00851	-.00047	.00027	-.00042

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01354**	**.00046**	**.00038**	**.00013**	**-.00022**	**.00116**	**.00002**
Stddev	.00034	.00001	.00001	.00003	.00001	.00001	.00002
%RSD	2.5020	2.1310	2.3153	26.283	5.4322	1.2781	153.48
#1	-.01340	.00047	.00037	.00015	-.00020	.00115	.00004
#2	-.01331	.00046	.00039	.00009	-.00023	.00118	.00001
#3	-.01393	.00046	.00039	.00014	-.00022	.00115	.00000

Approved: April 07, 2011

Sample Name: S0 Acquired: 4/6/2011 10:37:48 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00160**	**-.00137**	**-.00014**	**.00079**	**.00039**	**-.00198**
Stddev	.00029	.00021	.00003	.00024	.00002	.00014
%RSD	17.874	15.616	22.314	31.009	4.0975	7.1307
#1	.00129	-.00117	-.00017	.00055	.00041	-.00192
#2	.00186	-.00135	-.00011	.00104	.00037	-.00214
#3	.00166	-.00159	-.00016	.00077	.00039	-.00188

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32876.**	**24954.**
Stddev	119.	93.
%RSD	.36115	.37450
#1	32919.	25062.
#2	32968.	24892.
#3	32742.	24909.

Approved: April 07, 2011

Sample Name: S1 Acquired: 4/6/2011 10:41:24 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00034**	**.00218**	**.02602**	**.00025**	**.00211**	**.00047**	**.00056**
Stddev	.00051	.00019	.00023	.00023	.00005	.00002	.00002
%RSD	147.65	8.6518	.88863	91.070	2.4294	3.8049	2.9098
#1	.00001	.00239	.02614	.00049	.00216	.00049	.00056
#2	.00093	.00202	.02616	.00024	.00212	.00048	.00058
#3	.00009	.00213	.02575	.00003	.00206	.00045	.00055

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00304**	**.00116**	**.00166**	**.00903**	**.00112**	**.00126**	**.00280**
Stddev	.00011	.00003	.00011	.00028	.00052	.00011	.00006
%RSD	3.6404	2.8122	6.3430	3.0613	45.979	8.9770	2.0994
#1	.00294	.00115	.00175	.00871	.00153	.00113	.00284
#2	.00316	.00120	.00168	.00915	.00129	.00129	.00283
#3	.00301	.00114	.00154	.00923	.00054	.00135	.00273

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00183**	**.02824**	**.00018**	**.00173**	**-.00006**	**-.01339**	**.00052**
Stddev	.00001	.00007	.00004	.00001	.00002	.00028	.00002
%RSD	.49562	.24793	19.446	.59227	36.855	2.1053	2.8909
#1	.00182	.02829	.00014	.00173	-.00008	-.01343	.00054
#2	.00184	.02816	.00019	.00172	-.00005	-.01365	.00052
#3	.00183	.02827	.00021	.00174	-.00004	-.01309	.00051

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00039**	**.00061**	**.00295**	**.00118**	**.03581**	**.00125**	**.01080**
Stddev	.00000	.00001	.00003	.00002	.00036	.00029	.00008
%RSD	.73386	1.0901	.87206	1.6903	1.0038	23.118	.72017
#1	.00039	.00061	.00293	.00116	.03620	.00092	.01074
#2	.00039	.00062	.00298	.00120	.03574	.00138	.01089
#3	.00038	.00061	.00294	.00117	.03549	.00144	.01077

Approved: April 07, 2011

Sample Name: S1 Acquired: 4/6/2011 10:41:24 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00662**	**.02125**
Stddev	.00005	.00030
%RSD	.72077	1.4250
#1	.00658	.02118
#2	.00667	.02158
#3	.00662	.02099

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33223.**	**25309.**
Stddev	174.	250.
%RSD	.52465	.98647
#1	33077.	25038.
#2	33177.	25530.
#3	33416.	25359.

Approved: April 07, 2011

Sample Name: S2 Acquired: 4/6/2011 10:44:58 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00249**	**.00372**	**.00009**	**.00474**	**.04523**	**.00464**	**.00611**
Stddev	.00025	.00016	.00004	.00027	.00055	.00025	.00028
%RSD	10.104	4.3432	41.342	5.6131	1.2161	5.4468	4.5494
#1	.00228	.00382	.00005	.00444	.04571	.00489	.00579
#2	.00277	.00380	.00008	.00492	.04535	.00464	.00630
#3	.00242	.00353	.00012	.00488	.04463	.00439	.00625

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00085**	**.00151**	**.00594**	**.00193**	**.00338**	**.01918**	**.00497**
Stddev	.00009	.00006	.00023	.00008	.00003	.00031	.00046
%RSD	10.787	3.6560	3.9320	4.2895	.89713	1.5966	9.2530
#1	.00093	.00147	.00568	.00197	.00338	.01927	.00458
#2	.00075	.00148	.00613	.00199	.00340	.01943	.00485
#3	.00086	.00157	.00601	.00183	.00334	.01884	.00548

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00257**	**.00482**	**.00358**	**.06455**	**.00078**	**.00329**	**.00030**
Stddev	.00004	.00008	.00001	.00049	.00004	.00003	.00007
%RSD	1.5529	1.6600	.27354	.76390	4.6564	.91372	21.864
#1	.00260	.00486	.00359	.06441	.00075	.00331	.00028
#2	.00252	.00472	.00357	.06510	.00082	.00326	.00025
#3	.00258	.00486	.00359	.06414	.00078	.00330	.00037

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01369**	**.00060**	**.00040**	**.00103**	**-.00006**	**.00488**	**.00232**
Stddev	.00035	.00002	.00001	.00007	.00003	.00002	.00002
%RSD	2.5912	2.8081	2.9256	6.6431	51.643	.32344	.66939
#1	-.01355	.00059	.00041	.00109	-.00007	.00489	.00230
#2	-.01343	.00062	.00041	.00105	-.00008	.00488	.00232
#3	-.01409	.00059	.00039	.00096	-.00002	.00486	.00233

Approved: April 07, 2011

Sample Name: S2 Acquired: 4/6/2011 10:44:58 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06909**	**.00333**	**.00015**	**.02104**	**.01284**	**.04462**
Stddev	.00037	.00019	.00003	.00044	.00005	.00030
%RSD	.53911	5.6882	18.301	2.0979	.39822	.68178
#1	.06895	.00321	.00015	.02139	.01290	.04470
#2	.06881	.00355	.00019	.02119	.01283	.04488
#3	.06951	.00323	.00013	.02055	.01280	.04429

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33064.**	**24793.**
Stddev	43.	74.
%RSD	.12998	.30010
#1	33025.	24811.
#2	33057.	24711.
#3	33110.	24857.

Approved: April 07, 2011

Sample Name: S3 Acquired: 4/6/2011 10:48:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18736**	**.13538**	**.01351**	**.12994**	**1.8954**	**.42426**	**.35357**
Stddev	.00298	.00057	.00027	.00259	.0041	.00766	.00168
%RSD	1.5916	.41759	2.0114	1.9908	.21542	1.8054	.47539
#1	.18853	.13568	.01367	.13174	1.8992	.42938	.35378
#2	.18958	.13573	.01367	.13111	1.8959	.42794	.35514
#3	.18397	.13473	.01320	.12698	1.8911	.41545	.35180

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03410**	**.08354**	**.28803**	**.07496**	**.16463**	**1.0020**	**.38757**
Stddev	.00074	.00175	.00582	.00164	.00046	.0043	.00083
%RSD	2.1588	2.0907	2.0220	2.1924	.27687	.43112	.21487
#1	.03451	.08437	.29301	.07581	.16504	1.0018	.38789
#2	.03455	.08472	.28945	.07600	.16471	1.0064	.38820
#3	.03325	.08154	.28162	.07306	.16414	.99774	.38663

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.11662**	**.20776**	**.16994**	**3.5746**	**.05805**	**.15220**	**.03596**
Stddev	.00030	.00035	.00347	.0182	.00124	.00325	.00075
%RSD	.25541	.16683	2.0434	.50856	2.1329	2.1344	2.0932
#1	.11654	.20791	.17212	3.5750	.05874	.15404	.03643
#2	.11696	.20800	.17176	3.5926	.05878	.15412	.03636
#3	.11638	.20736	.16593	3.5562	.05662	.14845	.03509

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01291**	**.00700**	**.00035**	**.04201**	**.00730**	**.18188**	**.10889**
Stddev	.00011	.00013	.00001	.00076	.00015	.00324	.00240
%RSD	.86013	1.9178	4.1391	1.8086	2.0947	1.7791	2.2068
#1	-.01296	.00707	.00034	.04246	.00740	.18347	.11011
#2	-.01300	.00709	.00036	.04244	.00737	.18403	.11044
#3	-.01279	.00684	.00034	.04113	.00712	.17816	.10612

Approved: April 07, 2011

Sample Name: S3 Acquired: 4/6/2011 10:48:30 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.2794**	**.23673**	**.01312**	**1.0018**	**.59890**	**2.2879**
Stddev	.0145	.00046	.00023	.0171	.01394	.0395
%RSD	.44224	.19608	1.7509	1.7059	2.3271	1.7269
#1	3.2773	.23628	.01323	1.0115	.60753	2.3179
#2	3.2948	.23721	.01327	1.0118	.60635	2.3028
#3	3.2661	.23671	.01286	.98204	.58283	2.2431

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32681.**	**25581.**
Stddev	571.	187.
%RSD	1.7477	.72925
#1	32333.	25431.
#2	32370.	25522.
#3	33340.	25790.

Approved: April 07, 2011

Sample Name: S4 Acquired: 4/6/2011 10:51:51 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.37521**	**.26870**	**.02774**	**.26054**	**3.7951**	**.86760**	**.70668**
Stddev	.00285	.00196	.00013	.00136	.0110	.00733	.00317
%RSD	.76089	.72900	.45640	.52086	.28964	.84505	.44916
#1	.37281	.26836	.02762	.25903	3.7924	.86014	.70712
#2	.37446	.27081	.02773	.26093	3.8072	.86785	.70961
#3	.37836	.26694	.02788	.26165	3.7857	.87479	.70331

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.06890**	**.16726**	**.57874**	**.14984**	**.32737**	**2.0083**	**.77864**
Stddev	.00038	.00110	.00519	.00105	.00090	.0075	.00191
%RSD	.55577	.65521	.89604	.69752	.27397	.37210	.24491
#1	.06850	.16623	.57313	.14874	.32665	2.0064	.77852
#2	.06892	.16712	.57974	.14994	.32837	2.0166	.78060
#3	.06927	.16841	.58335	.15083	.32708	2.0020	.77679

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22998**	**.41180**	**.34382**	**7.1179**	**.11637**	**.31087**	**.07164**
Stddev	.00049	.00116	.00258	.0325	.00081	.00189	.00044
%RSD	.21167	.28241	.75150	.45609	.69342	.60730	.61742
#1	.22953	.41054	.34304	7.1130	.11568	.30957	.07134
#2	.23050	.41282	.34172	7.1525	.11617	.31001	.07144
#3	.22992	.41204	.34671	7.0881	.11725	.31304	.07215

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.01278**	**.01337**	**.00031**	**.08458**	**.01504**	**.36566**	**.21813**
Stddev	.00030	.00009	.00003	.00048	.00011	.00200	.00134
%RSD	2.3151	.68459	9.9311	.57063	.73663	.54623	.61514
#1	-.01260	.01332	.00027	.08426	.01492	.36436	.21719
#2	-.01312	.01331	.00034	.08434	.01509	.36465	.21753
#3	-.01261	.01347	.00031	.08513	.01512	.36796	.21967

Approved: April 07, 2011

Sample Name: S4 Acquired: 4/6/2011 10:51:51 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1316) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**6.5677**	**.47472**	**.02589**	**2.0132**	**1.2115**	**4.6484**
Stddev	.0278	.00168	.00011	.0146	.0083	.0352
%RSD	.42340	.35351	.43019	.72262	.68693	.75648
#1	6.5701	.47372	.02576	1.9999	1.2049	4.6103
#2	6.5942	.47665	.02594	2.0111	1.2088	4.6554
#3	6.5388	.47377	.02597	2.0287	1.2208	4.6796

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31962.**	**25764.**
Stddev	190.	107.
%RSD	.59476	.41545
#1	32168.	25854.
#2	31925.	25646.
#3	31794.	25793.

Approved: April 07, 2011

Sample Name: ICV Acquired: 4/6/2011 10:55:17 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39827**	**10.131**	**.40145**	**.50845**	**1.0081**	**.05014**	**10.114**
Stddev	.00222	.136	.00024	.00156	.0116	.00032	.115
%RSD	.55697	1.3432	.06019	.30600	1.1539	.63557	1.1401
#1	.39768	9.9743	.40158	.50960	.99469	.05019	9.9805
#2	.40073	10.211	.40117	.50908	1.0136	.05043	10.179
#3	.39641	10.209	.40159	.50668	1.0159	.04980	10.181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05057**	**.20388**	**.50710**	**.51022**	**4.0362**	**50.687**	**1.0140**
Stddev	.00007	.00057	.00250	.00073	.0477	.613	.0143
%RSD	.13354	.27758	.49392	.14361	1.1825	1.2084	1.4113
#1	.05058	.20353	.50919	.50956	3.9824	49.983	.99757
#2	.05050	.20359	.50780	.51100	4.0527	50.984	1.0202
#3	.05064	.20454	.50432	.51009	4.0735	51.094	1.0240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.133**	**.50823**	**1.0194**	**50.838**	**.51183**	F **-.00048**	**.51731**
Stddev	.148	.00748	.0015	.667	.00109	.00039	.00049
%RSD	1.4651	1.4725	.15110	1.3129	.21313	80.021	.09515
#1	9.9620	.49965	1.0178	50.068	.51065	-.00029	.51713
#2	10.212	.51342	1.0195	51.262	.51204	-.00093	.51693
#3	10.226	.51161	1.0209	51.183	.51280	-.00024	.51786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-5.0000%	

Approved: April 07, 2011

Sample Name: ICV Acquired: 4/6/2011 10:55:17 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.811**	**10.322**	F **21.890**	**1.2242**	**.40527**	**5.1081**	**1.0204**
Stddev	16.046	.064	3.558	.0040	.00050	.0094	.0020
%RSD	95.448	.61707	16.253	.32871	.12439	.18435	.19298
#1	-1.6784	10.352	22.951	1.2217	.40473	5.1029	1.0198
#2	25.019	10.248	24.797	1.2220	.40535	5.1024	1.0188
#3	27.092	10.365	17.923	1.2289	.40573	5.1189	1.0226
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	5.0000%		5.0000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0140**	**1.0127**	**.51788**	**1.0141**	**1.0185**	F **.00104**
Stddev	.0143	.0136	.00147	.0062	.0011	.00004
%RSD	1.4083	1.3425	.28322	.61121	.10581	4.1068
#1	.99776	.99698	.51624	1.0136	1.0179	.00099
#2	1.0245	1.0209	.51907	1.0206	1.0179	.00107
#3	1.0198	1.0201	.51834	1.0082	1.0197	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-5.0000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32615.**	**25980.**
Stddev	37.	223.
%RSD	.11386	.85937
#1	32572.	26163.
#2	32636.	26046.
#3	32636.	25731.

Approved: April 07, 2011

Sample Name: ICB Acquired: 4/6/2011 10:58:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.01013**	**.00005**	**.00072**	**.00008**	**.00001**	**.00161**
Stddev	.00044	.00283	.00077	.00099	.00009	.00002	.00218
%RSD	114.92	27.952	1653.4	137.90	111.41	161.53	135.70
#1	.00084	-.00716	-.00069	.00146	.00013	.00001	.00221
#2	-.00004	-.01042	-.00002	-.00041	.00013	.00003	-.00081
#3	.00036	-.01281	.00085	.00111	-.00002	.00000	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00003**	**-.00040**	**-.00038**	**.00010**	**.11300**	**.00057**
Stddev	.00008	.00010	.00035	.00025	.00138	.03842	.00170
%RSD	259.54	373.67	89.345	64.958	1396.1	33.997	299.21
#1	.00002	-.00010	-.00014	-.00052	.00107	.15316	.00227
#2	.00001	.00008	-.00080	-.00010	-.00148	.07660	-.00112
#3	-.00012	-.00005	-.00024	-.00053	.00071	.10922	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**.00000**	**.00003**	**.00293**	**.00020**	**-.00352**	**-.00096**
Stddev	.00631	.00028	.00016	.00606	.00003	.00017	.00103
%RSD	209.38	10437.	457.38	207.06	14.785	4.9204	107.63
#1	-.00406	-.00030	.00002	.00752	.00021	-.00332	-.00122
#2	.00503	.00003	.00020	.00520	.00023	-.00362	.00018
#3	.00807	.00027	-.00012	-.00394	.00017	-.00363	-.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: ICB Acquired: 4/6/2011 10:58:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.056**	**-.00817**	F **2.7541**	**.00036**	**.00164**	**.00090**	**-.00014**
Stddev	3.473	.03305	3.3591	.00006	.00124	.00104	.00018
%RSD	28.807	404.32	121.97	18.160	75.187	115.54	125.91
#1	14.814	.02473	2.3094	.00030	.00049	.00034	-.00026
#2	13.199	-.04137	-.36046	.00035	.00295	.00211	-.00023
#3	8.1558	-.00788	6.3135	.00042	.00149	.00026	.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0400		1.0400				
Low Limit	-1.2000		-1.0400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00006**	**.00008**	**-.00014**	**.00068**	**.00000**
Stddev	.00002	.00064	.00096	.00004	.00008	.0001
%RSD	31.824	1055.8	1156.0	26.082	12.140	1825.5
#1	.00006	.00055	.00099	-.00011	.00077	-.00002
#2	.00011	-.00002	-.00092	-.00012	.00064	-.00007
#3	.00006	-.00072	.00018	-.00018	.00062	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33239.**	**25601.**
Stddev	65.	118.
%RSD	.19565	.46027
#1	33167.	25479.
#2	33293.	25715.
#3	33258.	25609.

Approved: April 07, 2011

Sample Name: ICSA Acquired: 4/6/2011 11:02:15 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**255.71**	**-.00278**	**.04908**	**.00099**	**.00000**	**249.32**
Stddev	.00040	1.54	.00016	.00071	.00011	.0000	1.19
%RSD	290.99	.60125	5.8735	1.4511	10.958	395.71	.47600
#1	-.00049	254.86	-.00295	.04835	.00111	-.00002	248.57
#2	-.00022	257.48	-.00279	.04912	.00094	.00001	250.68
#3	.00030	254.78	-.00262	.04978	.00091	.00000	248.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00125**	**.00010**	**-.00186**	**.00369**	**100.04**	**.08552**	**.01366**
Stddev	.00002	.00011	.00010	.00032	.29	.03995	.00120
%RSD	1.8188	111.10	5.3422	8.6147	.28589	46.715	8.7880
#1	.00124	.00022	-.00178	.00335	100.04	.05771	.01249
#2	.00124	.00008	-.00197	.00398	100.32	.13130	.01489
#3	.00128	.00000	-.00184	.00374	99.751	.06756	.01360
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050						
Low Limit	-.00050						

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**255.89**	**-.00143**	**-.00061**	**.03565**	**-.00096**	**-.01567**	**-.00285**
Stddev	.60	.00041	.00024	.00718	.00037	.00771	.00047
%RSD	.23401	28.886	39.065	20.130	38.902	49.197	16.590
#1	255.94	-.00097	-.00080	.03488	-.00094	-.02144	-.00264
#2	256.47	-.00177	-.00069	.04318	-.00135	-.01865	-.00339
#3	255.28	-.00154	-.00034	.02889	-.00060	-.00691	-.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: ICSA Acquired: 4/6/2011 11:02:15 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **28.035**	F **239.50**	F **-31.832**	**-.00165**	**-.00312**	**.02607**	**.00065**
Stddev	7.330	1.09	7.009	.00151	.00258	.00074	.00017
%RSD	26.146	.45335	22.019	92.016	82.678	2.8462	25.874
#1	19.572	238.43	-38.524	-.00119	-.00031	.02554	.00073
#2	32.361	240.60	-32.427	-.00041	-.00368	.02692	.00077
#3	32.173	239.48	-24.544	-.00334	-.00537	.02576	.00046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00738**	**-.00084**	**-.00183**	**-.00697**	**-.00080**
Stddev	.00005	.00034	.00115	.00025	.00012	.00010
%RSD	95.512	4.5720	137.07	13.557	1.7857	12.106
#1	.00003	-.00713	-.00192	-.00162	-.00683	-.00069
#2	.00002	-.00776	.00037	-.00210	-.00705	-.00085
#3	.00012	-.00724	-.00097	-.00177	-.00703	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30547.**	**25593.**
Stddev	127.	78.
%RSD	.41569	.30292
#1	30693.	25534.
#2	30489.	25563.
#3	30459.	25681.

Approved: April 07, 2011

Sample Name: ICSAB Acquired: 4/6/2011 11:05:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50416**	**244.50**	**.25070**	**.04301**	**.25084**	**.26898**	**238.65**
Stddev	.00100	2.01	.00149	.00081	.00170	.00141	1.70
%RSD	.19759	.82385	.59553	1.8758	.67605	.52517	.71044
#1	.50492	246.75	.25103	.04388	.25279	.27028	240.59
#2	.50303	242.85	.25199	.04229	.24993	.26748	237.46
#3	.50452	243.91	.24907	.04285	.24979	.26919	237.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46023**	**.24851**	**.24833**	**.25350**	**95.599**	**5.2525**	**.01326**
Stddev	.00152	.00075	.00095	.00179	.550	.0419	.00126
%RSD	.32972	.30315	.38260	.70677	.57506	.79686	9.5066
#1	.46057	.24880	.24911	.25362	96.234	5.2949	.01242
#2	.46154	.24908	.24728	.25524	95.291	5.2112	.01471
#3	.45857	.24766	.24861	.25166	95.273	5.2515	.01266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**244.08**	**.24688**	**-.00021**	**5.1277**	**.49125**	**-.00983**	**.48859**
Stddev	.86	.00085	.00024	.0298	.00161	.00284	.00091
%RSD	.35209	.34555	114.05	.58167	.32833	28.894	.18584
#1	245.04	.24783	-.00047	5.1614	.49166	-.00683	.48777
#2	243.39	.24663	-.00001	5.1047	.49262	-.01018	.48957
#3	243.81	.24618	-.00015	5.1171	.48947	-.01248	.48844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: ICSAB Acquired: 4/6/2011 11:05:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **34.295**	F **228.16**	F **-33.018**	**.51290**	**.24464**	**.00188**	**-.00005**
Stddev	2.484	.32	7.115	.00240	.00072	.00143	.00010
%RSD	7.2420	.13962	21.548	.46838	.29372	76.066	210.59
#1	34.333	228.47	-39.083	.51551	.24382	.00131	-.00002
#2	31.793	228.18	-34.786	.51241	.24509	.00083	-.00015
#3	36.760	227.83	-25.186	.51078	.24503	.00351	.00004
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00687**	**.45947**	**.24964**	**.47403**	**-.00073**
Stddev	.00002	.00026	.00033	.00045	.00105	.00007
%RSD	13.629	3.7604	.07190	.17909	.22194	10.163
#1	-.00017	-.00662	.45922	.25000	.47490	-.00066
#2	-.00015	-.00686	.45984	.24978	.47433	-.00080
#3	-.00013	-.00713	.45935	.24914	.47286	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30477.**	**25573.**
Stddev	93.	108.
%RSD	.30384	.42190
#1	30372.	25449.
#2	30515.	25628.
#3	30545.	25643.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:09:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39739**	**10.124**	**.40932**	**.50862**	**1.0017**	**.05032**	**10.110**
Stddev	.00395	.085	.00026	.00197	.0037	.00014	.068
%RSD	.99376	.84012	.06251	.38802	.37035	.28184	.67696
#1	.39448	10.026	.40905	.50886	.99746	.05024	10.036
#2	.39580	10.179	.40936	.50654	1.0039	.05023	10.121
#3	.40189	10.168	.40956	.51046	1.0038	.05048	10.172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05115**	**.20570**	**.50913**	**.51514**	**4.0432**	**50.438**	**1.0076**
Stddev	.00009	.00039	.00094	.00079	.0096	.353	.0034
%RSD	.18165	.18868	.18442	.15325	.23721	.70041	.33679
#1	.05123	.20615	.50860	.51601	4.0336	50.072	1.0037
#2	.05116	.20554	.50859	.51448	4.0432	50.464	1.0091
#3	.05105	.20543	.51022	.51492	4.0528	50.777	1.0099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.197**	**.50708**	**1.0158**	**50.681**	**.51366**	F **-.00184**	**.51938**
Stddev	.030	.00291	.0010	.470	.00082	.00148	.00192
%RSD	.29170	.57459	.09632	.92640	.16056	80.460	.36951
#1	10.177	.50372	1.0164	50.169	.51399	-.00109	.51716
#2	10.184	.50857	1.0164	50.783	.51426	-.00355	.52043
#3	10.232	.50894	1.0147	51.091	.51272	-.00089	.52054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:09:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.7598**	**10.425**	F **22.619**	**1.2367**	**.41252**	**5.1561**	**1.0246**
Stddev	4.6537	.024	12.132	.0011	.00255	.0030	.0012
%RSD	53.126	.23239	53.639	.08548	.61911	.05869	.12100
#1	6.5794	10.451	14.333	1.2361	.41014	5.1589	1.0255
#2	14.103	10.419	36.544	1.2360	.41220	5.1566	1.0251
#3	5.5965	10.404	16.979	1.2379	.41522	5.1529	1.0232
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0088**	**1.0085**	**.52255**	**1.0142**	**1.0177**	F **.00070**
Stddev	.0083	.0055	.00038	.0050	.0031	.00004
%RSD	.81939	.54428	.07267	.49644	.30819	5.2663
#1	.99932	1.0023	.52242	1.0127	1.0212	.00073
#2	1.0126	1.0110	.52225	1.0100	1.0150	.00070
#3	1.0145	1.0124	.52298	1.0198	1.0170	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32485.**	**25668.**
Stddev	86.	310.
%RSD	.26582	1.2091
#1	32395.	25778.
#2	32568.	25908.
#3	32492.	25317.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 11:12:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00741**	**-.00027**	**-.00009**	**.00006**	**.00003**	**.01766**
Stddev	.00070	.01412	.00056	.00033	.00002	.00002	.00227
%RSD	432.46	190.68	209.24	380.60	38.681	50.664	12.847
#1	.00064	-.00393	.00038	-.00034	.00009	.00005	.01736
#2	-.00064	.00465	-.00062	-.00022	.00004	.00004	.02007
#3	.00049	-.02295	-.00056	.00029	.00006	.00002	.01556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00001**	**-.00004**	**-.00038**	**.00303**	**.02862**	**-.00018**
Stddev	.00010	.00017	.00029	.00036	.00051	.00374	.00172
%RSD	373.06	1953.8	746.28	95.519	16.824	13.059	943.64
#1	-.00011	-.00003	.00021	-.00062	.00255	.03236	.00097
#2	.00008	-.00017	.00003	.00004	.00357	.02488	-.00216
#3	-.00005	.00017	-.00035	-.00056	.00298	.02863	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02185**	**-.00001**	**.00013**	**.01969**	**.00035**	**-.00079**	**-.00045**
Stddev	.00147	.00020	.00008	.00115	.00032	.00244	.00076
%RSD	6.7357	1529.6	61.712	5.8343	90.131	309.72	170.30
#1	.02170	.00011	.00017	.02101	.00024	.00193	-.00044
#2	.02339	-.00024	.00017	.01893	.00071	-.00152	-.00122
#3	.02046	.00010	.00004	.01912	.00010	-.00277	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 11:12:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.296**	**.00560**	F **5.3239**	**.00057**	**.00054**	**.00058**	**-.00002**
Stddev	5.874	.03626	3.1237	.00032	.00138	.00019	.00026
%RSD	36.049	647.47	58.673	55.147	255.30	33.252	1256.8
#1	17.732	-.02148	8.9046	.00052	.00209	.00067	-.00017
#2	9.8363	-.00852	3.1576	.00091	-.00055	.00072	-.00017
#3	21.319	.04680	3.9095	.00029	.00008	.00036	.00028
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00024**	**-.00020**	**-.00019**	**.00005**	**.00002**
Stddev	.00003	.00077	.00045	.00013	.00002	.00009
%RSD	13.718	319.87	230.39	66.947	44.436	389.39
#1	.00021	.00034	-.00047	-.00009	.00006	-.00001
#2	.00019	.00095	.00033	-.00015	.00002	-.00005
#3	.00016	-.00057	-.00044	-.00033	.00005	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33387.**	**25951.**
Stddev	61.	174.
%RSD	.18141	.67228
#1	33448.	26152.
#2	33388.	25854.
#3	33326.	25846.

Approved: April 07, 2011

Sample Name: PBS B3 Acquired: 4/6/2011 11:16:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.01223**	**-.00139**	**-.00064**	**.00157**	**.00004**	**.02970**
Stddev	.00053	.00496	.00081	.00018	.00006	.00001	.00393
%RSD	83.946	40.605	58.220	28.889	4.0785	15.381	13.231
#1	.00106	-.01741	-.00217	-.00075	.00165	.00005	.02516
#2	.00004	-.00752	-.00143	-.00073	.00153	.00004	.03206
#3	.00079	-.01174	-.00056	-.00042	.00155	.00003	.03188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00035**	**.00071**	**-.00001**	**.00916**	**.01918**	**.00057**
Stddev	.00006	.00007	.00026	.00032	.00208	.01006	.00097
%RSD	31.652	21.113	37.250	5737.1	22.767	52.444	169.08
#1	.00014	-.00029	.00070	.00003	.00881	.00852	.00091
#2	.00021	-.00043	.00045	.00030	.00726	.02053	.00134
#3	.00027	-.00034	.00097	-.00035	.01139	.02851	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01363**	**.00048**	**.00002**	**.01992**	**.00113**	F **-.00937**	**-.00029**
Stddev	.00997	.00029	.00018	.00424	.00015	.00193	.00051
%RSD	73.139	60.585	891.44	21.300	12.918	20.646	172.72
#1	.01344	.00017	.00010	.02392	.00097	-.01152	.00010
#2	.00376	.00052	.00015	.01547	.00117	-.00884	-.00086
#3	.02370	.00074	-.00019	.02036	.00125	-.00776	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS B3 Acquired: 4/6/2011 11:16:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.9826**	**.29560**	F **-60.214**	**.00218**	**.00209**	**.00595**	**.00002**
Stddev	8.3166	.00993	5.523	.00088	.00119	.00093	.00004
%RSD	83.311	3.3580	9.1714	40.240	57.010	15.679	221.19
#1	13.850	.30705	-66.391	.00317	.00074	.00520	.00002
#2	15.661	.29032	-58.498	.00186	.00255	.00566	-.00002
#3	.43654	.28944	-55.753	.00151	.00299	.00700	.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00070**	**-.00193**	**-.00026**	**.01653**	**-.00010**
Stddev	.00002	.00071	.00086	.00018	.00007	.00011
%RSD	39.860	101.93	44.431	69.965	.40593	103.98
#1	.00006	.00015	-.00284	-.00044	.01646	-.00005
#2	.00003	.00044	-.00113	-.00027	.01657	-.00003
#3	.00008	.00150	-.00184	-.00007	.01657	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32961.**	**25427.**
Stddev	91.	505.
%RSD	.27533	1.9878
#1	32941.	25386.
#2	32882.	25952.
#3	33060.	24944.

Approved: April 07, 2011

Sample Name: LCSS B3 Acquired: 4/6/2011 11:19:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19350**	**-.01019**	**.19418**	**-.00091**	**.00159**	**.00006**	**.04995**
Stddev	.00075	.01285	.00124	.00056	.00010	.00000	.00957
%RSD	.39017	126.13	.63940	61.731	6.3222	2.5168	19.167
#1	.19266	-.02453	.19297	-.00097	.00163	.00006	.05124
#2	.19373	.00030	.19412	-.00032	.00147	.00007	.03979
#3	.19411	-.00634	.19545	-.00144	.00166	.00006	.05881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02499**	**-.00031**	**.00141**	**.26693**	**.02451**	**.04545**	**.00062**
Stddev	.00009	.00006	.00032	.00045	.00208	.01218	.00097
%RSD	.37360	18.466	22.505	.16693	8.4864	26.801	156.38
#1	.02509	-.00036	.00176	.26744	.02457	.03376	.00055
#2	.02494	-.00025	.00115	.26674	.02656	.05807	-.00031
#3	.02492	-.00032	.00131	.26661	.02240	.04452	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01421**	**.26526**	**.00017**	**.03222**	**.00113**	F **-.01131**	**.27183**
Stddev	.00836	.00383	.00015	.00779	.00017	.00156	.00070
%RSD	58.835	1.4434	85.394	24.171	15.221	13.788	.25888
#1	.02378	.26102	.00006	.03883	.00120	-.01038	.27180
#2	.01043	.26628	.00034	.02363	.00126	-.01045	.27114
#3	.00840	.26847	.00011	.03419	.00094	-.01311	.27255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS B3 Acquired: 4/6/2011 11:19:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360436-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.791**	**.19064**	F **-30.323**	**.00358**	**.00280**	**.01355**	**.00057**
Stddev	5.112	.03164	5.680	.00069	.00132	.00064	.00005
%RSD	39.969	16.595	18.732	19.165	47.032	4.7143	8.4257
#1	8.2525	.22688	-25.545	.00279	.00337	.01413	.00056
#2	18.329	.16855	-36.604	.00397	.00129	.01366	.00062
#3	11.790	.17650	-28.821	.00399	.00374	.01287	.00053
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00042**	**-.00113**	**-.00025**	**.00569**	**.00001**
Stddev	.00007	.00050	.00033	.00021	.00005	.00009
%RSD	58.182	120.58	29.435	81.615	.83783	610.76
#1	.00015	.00036	-.00096	-.00025	.00574	.00008
#2	.00017	-.00006	-.00092	-.00005	.00564	.00005
#3	.00004	.00095	-.00152	-.00046	.00569	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32913.**	**25603.**
Stddev	46.	63.
%RSD	.14097	.24474
#1	32921.	25533.
#2	32955.	25652.
#3	32863.	25624.

Approved: April 07, 2011

Sample Name: L1103050489 Acquired: 4/6/2011 11:23:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.01822**	**-.00678**	**-.00067**	**-.00007**	**.00001**	**-.01297**
Stddev	.00031	.01277	.00027	.00101	.00013	.00001	.01229
%RSD	188.31	70.111	4.0329	151.59	183.42	81.269	94.729
#1	.00018	-.03136	-.00666	-.00043	-.00015	.00001	-.01818
#2	.00047	-.00585	-.00658	-.00178	.00008	.00002	-.02180
#3	-.00015	-.01744	-.00709	.00020	-.00015	.00000	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00093**	**.00024**	**-.00212**	**.00088**	**-.02916**	**.00047**
Stddev	.00006	.00006	.00018	.00022	.00172	.01553	.00128
%RSD	7.4398	6.5701	75.407	10.274	194.97	53.254	272.34
#1	.00079	-.00088	.00040	-.00218	-.00100	-.04251	.00189
#2	.00081	-.00099	.00028	-.00188	.00129	-.01212	.00012
#3	.00070	-.00090	.00004	-.00230	.00235	-.03284	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00787**	**.00035**	**-.00030**	**-.00486**	**-.00450**	**.00805**	**.00042**
Stddev	.00110	.00107	.00014	.00800	.00040	.00121	.00054
%RSD	13.938	306.97	45.333	164.56	8.9525	14.988	128.19
#1	.00783	.00158	-.00016	-.01256	-.00421	.00819	.00051
#2	.00679	-.00021	-.00030	.00341	-.00433	.00917	.00091
#3	.00898	-.00033	-.00044	-.00544	-.00496	.00678	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103050489 Acquired: 4/6/2011 11:23:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-1.4804**	F **-.19649**	**3.3803**	**.00249**	**.00178**	F **104.59**	**-.00064**
Stddev	3.1095	.02376	.9915	.00069	.00260	.49	.00001
%RSD	210.04	12.091	29.333	27.713	146.04	.46390	2.2059
#1	.01042	-.16912	3.7794	.00180	-.00026	104.03	-.00064
#2	.60292	-.20856	2.2513	.00249	.00471	104.85	-.00065
#3	-5.0546	-.21179	4.1100	.00318	.00090	104.90	-.00062
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000				90.000	
Low Limit	-.00400	-.00400				-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00046**	**-.00099**	**-.00025**	**.00057**	**.00086**
Stddev	.00007	.00072	.00065	.00006	.00002	.00010
%RSD	119.47	158.18	66.091	25.048	4.0703	11.556
#1	.00002	-.00084	-.00031	-.00018	.00060	.00079
#2	-.00007	-.00091	-.00161	-.00026	.00056	.00082
#3	-.00013	.00038	-.00104	-.00030	.00056	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34677.**	**26383.**
Stddev	44.	166.
%RSD	.12550	.62911
#1	34727.	26331.
#2	34649.	26249.
#3	34654.	26569.

Approved: April 07, 2011

Sample Name: L1103086135 Acquired: 4/6/2011 11:26:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**65.190**	**.03394**	**.05392**	**.43198**	**.00304**	**127.24**
Stddev	.00017	.206	.00176	.00028	.00042	.00004	.29
%RSD	4.8023	.31609	5.1811	.52131	.09692	1.2073	.23056
#1	.00380	65.276	.03283	.05406	.43237	.00301	127.26
#2	.00347	64.955	.03302	.05360	.43154	.00308	126.94
#3	.00355	65.339	.03596	.05411	.43204	.00303	127.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**.02580**	**.06778**	**.43759**	**68.811**	**13.646**	**.06452**
Stddev	.00003	.00011	.00065	.00281	.187	.043	.00020
%RSD	1.0016	.44182	.96071	.64312	.27221	.31635	.30394
#1	.00340	.02567	.06851	.43624	68.726	13.647	.06438
#2	.00334	.02583	.06727	.43570	68.680	13.603	.06474
#3	.00337	.02589	.06755	.44082	69.025	13.689	.06444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.946**	**2.8567**	**.00202**	**.29940**	**.05034**	**1.6120**	**.27373**
Stddev	.086	.0075	.00005	.00072	.00038	.0127	.00090
%RSD	.50801	.26125	2.2978	.24076	.75011	.79004	.32745
#1	16.877	2.8508	.00207	.29919	.05077	1.6185	.27302
#2	16.918	2.8542	.00202	.30020	.05012	1.5973	.27345
#3	17.042	2.8651	.00198	.29881	.05011	1.6201	.27474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086135 Acquired: 4/6/2011 11:26:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.164**	F **162.51**	F **-7470.1**	**.00184**	**.00192**	**.39906**	**.00507**
Stddev	8.815	.72	28.5	.00140	.00102	.00434	.00011
%RSD	35.030	.44600	.38132	75.846	52.849	1.0886	2.2484
#1	29.986	162.02	-7476.9	.00323	.00285	.40372	.00501
#2	30.515	162.17	-7438.8	.00044	.00208	.39513	.00520
#3	14.990	163.34	-7494.5	.00187	.00084	.39833	.00499
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10897**	**.31241**	**.00319**	**.09626**	**.43693**	**.02441**
Stddev	.00026	.00038	.00047	.00013	.00156	.00020
%RSD	.23619	.12303	14.759	.13432	.35644	.80624
#1	.10891	.31197	.00289	.09613	.43594	.02429
#2	.10874	.31262	.00294	.09626	.43613	.02431
#3	.10925	.31265	.00373	.09638	.43873	.02464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33018.**	**26358.**
Stddev	140.	345.
%RSD	.42413	1.3085
#1	33143.	26653.
#2	33043.	26441.
#3	32867.	25979.

Approved: April 07, 2011

Sample Name: L1103086135PS Acquired: 4/6/2011 11:30:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360938-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21199**	**68.813**	**.23739**	**1.0784**	**.91085**	**.02835**	**129.85**
Stddev	.00324	.154	.00105	.0147	.00225	.00029	.23
%RSD	1.5306	.22375	.44290	1.3634	.24678	1.0362	.17528
#1	.20910	68.848	.23653	1.0685	.91322	.02816	129.88
#2	.21136	68.644	.23856	1.0715	.90876	.02821	129.61
#3	.21550	68.946	.23707	1.0953	.91055	.02869	130.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02915**	**.12722**	**.31501**	**.68748**	**69.284**	**38.222**	**.55650**
Stddev	.00004	.00019	.00318	.00081	.074	.052	.00098
%RSD	.14023	.14701	1.0100	.11855	.10731	.13678	.17531
#1	.02915	.12731	.31207	.68703	69.266	38.208	.55600
#2	.02911	.12734	.31457	.68842	69.220	38.178	.55587
#3	.02919	.12700	.31839	.68699	69.366	38.280	.55762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.495**	**3.0568**	**.50148**	**25.471**	**.30099**	**1.5967**	**.52158**
Stddev	.078	.0057	.00125	.069	.00071	.0022	.00170
%RSD	.36172	.18723	.24872	.27095	.23523	.13579	.32620
#1	21.413	3.0518	.50052	25.466	.30018	1.5964	.51976
#2	21.504	3.0556	.50104	25.405	.30143	1.5990	.52185
#3	21.567	3.0630	.50289	25.543	.30137	1.5947	.52313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086135PS Acquired: 4/6/2011 11:30:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360938-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **19.267**	F **164.85**	F **-7423.3**	**.61655**	**.20795**	**3.0198**	**.00530**
Stddev	10.698	.18	13.0	.00203	.00151	.0051	.00038
%RSD	55.527	.10857	.17498	.32957	.72835	.16954	7.2459
#1	8.2879	164.86	-7410.2	.61454	.20724	3.0227	.00565
#2	29.660	164.67	-7423.4	.61860	.20969	3.0228	.00489
#3	19.852	165.03	-7436.2	.61652	.20692	3.0139	.00537
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59810**	**.80122**	**.25667**	**.59847**	**.92874**	**.02460**
Stddev	.00095	.00137	.00018	.00639	.00163	.00036
%RSD	.15826	.17098	.06901	1.0674	.17570	1.4535
#1	.59785	.80083	.25673	.59357	.92689	.02442
#2	.59731	.80009	.25647	.59614	.92936	.02436
#3	.59915	.80274	.25681	.60569	.92998	.02501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32441.**	**26183.**
Stddev	20.	69.
%RSD	.06296	.26424
#1	32422.	26263.
#2	32439.	26142.
#3	32463.	26145.

Approved: April 07, 2011

Sample Name: L1103086135SDL Acquired: 4/6/2011 11:33:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**13.594**	**.00808**	**.01171**	**.08850**	**.00060**	**26.343**
Stddev	.00066	.088	.00065	.00066	.00059	.00001	.103
%RSD	67.243	.65072	8.0674	5.5967	.66259	1.8766	.38964
#1	.00037	13.495	.00882	.01103	.08783	.00058	26.233
#2	.00169	13.623	.00785	.01234	.08873	.00061	26.361
#3	.00089	13.664	.00758	.01176	.08894	.00060	26.436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00564**	**.01385**	**.09354**	**14.168**	**2.8793**	**.01357**
Stddev	.00007	.00014	.00018	.00043	.047	.0194	.00070
%RSD	11.911	2.5394	1.2788	.45664	.33510	.67262	5.1219
#1	.00052	.00562	.01398	.09305	14.115	2.8594	.01365
#2	.00063	.00551	.01365	.09377	14.184	2.8980	.01284
#3	.00066	.00580	.01392	.09381	14.206	2.8805	.01423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.6022**	**.59757**	**.00026**	**.06197**	**.01054**	**.34360**	**.05915**
Stddev	.0122	.00126	.00029	.00647	.00015	.00011	.00087
%RSD	.33906	.21049	111.05	10.443	1.4342	.03141	1.4671
#1	3.5892	.59614	.00059	.06091	.01037	.34372	.05975
#2	3.6040	.59849	.00011	.06890	.01067	.34352	.05815
#3	3.6134	.59808	.00008	.05609	.01058	.34356	.05954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086135SDL Acquired: 4/6/2011 11:33:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.8662**	F **36.654**	F **-1553.3**	**-.00001**	**.00043**	**.08052**	**.00055**
Stddev	3.1484	.138	7.1	.00123	.00064	.00107	.00019
%RSD	81.436	.37572	.45472	14768.	150.96	1.3297	33.863
#1	.72291	36.499	-1552.9	-.00007	.00116	.08088	.00042
#2	7.0198	36.763	-1546.5	.00125	.00016	.08136	.00047
#3	3.8558	36.699	-1560.6	-.00121	-.00004	.07931	.00076
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02263**	**.06452**	**.00173**	**.01973**	**.09784**	**.00456**
Stddev	.00012	.00059	.00070	.00046	.00059	.00011
%RSD	.53356	.92054	40.347	2.3302	.60426	2.5192
#1	.02252	.06501	.00230	.01938	.09844	.00469
#2	.02262	.06470	.00095	.01957	.09783	.00452
#3	.02276	.06386	.00193	.02025	.09725	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33806.**	**26079.**
Stddev	37.	205.
%RSD	.10799	.78667
#1	33826.	26179.
#2	33764.	26214.
#3	33828.	25843.

Approved: April 07, 2011

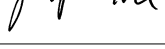
Sample Name: L1103086135SDL Acquired: 4/6/2011 11:37:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**2.6126**	**.00328**	**.00198**	**.01699**	**.00011**	**5.0743**
Stddev	.00016	.0289	.00106	.00045	.00035	.00002	.0330
%RSD	45.533	1.1041	32.406	22.901	2.0386	22.791	.64984
#1	.00040	2.6094	.00271	.00248	.01659	.00008	5.0670
#2	.00016	2.5855	.00263	.00161	.01712	.00013	5.0456
#3	.00046	2.6429	.00451	.00184	.01724	.00011	5.1103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00126**	**.00200**	**.01826**	**2.7428**	**.55895**	**.00200**
Stddev	.00006	.00010	.00022	.00043	.0155	.00616	.00134
%RSD	720.22	8.1175	11.037	2.3582	.56393	1.1018	66.640
#1	.00003	.00137	.00180	.01823	2.7346	.55685	.00058
#2	-.00008	.00117	.00197	.01784	2.7331	.56589	.00220
#3	.00003	.00125	.00224	.01870	2.7606	.55412	.00323
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70761**	**.11697**	**-.00010**	**.00384**	**.00190**	**.06850**	**.01060**
Stddev	.00486	.00051	.00018	.00902	.00031	.00263	.00031
%RSD	.68705	.43775	183.52	234.72	16.127	3.8445	2.8825
#1	.71314	.11730	-.00031	.00955	.00166	.06577	.01096
#2	.70565	.11722	.00002	.00852	.00181	.06870	.01047
#3	.70403	.11638	-.00001	-.00655	.00225	.07103	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086135SDL Acquired: 4/6/2011 11:37:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360938-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.3631**	**7.2901**	F **-297.94**	**-.00148**	**-.00081**	**.01231**	**-.00004**
Stddev	6.7793	.0215	5.65	.00151	.00068	.00091	.00009
%RSD	106.54	.29506	1.8950	102.04	83.438	7.4150	265.39
#1	1.2343	7.2865	-303.55	-.00314	-.00052	.01322	.00007
#2	-8.5282	7.2707	-298.00	-.00111	-.00158	.01140	-.00011
#3	-11.795	7.3132	-292.26	-.00019	-.00033	.01230	-.00006
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00436**	**.01246**	**.00060**	**.00374**	**.01891**	**.00088**
Stddev	.00007	.00074	.00103	.00029	.00004	.00015
%RSD	1.6322	5.9598	173.03	7.8648	.23683	17.343
#1	.00436	.01323	-.00014	.00397	.01896	.00072
#2	.00429	.01174	.00178	.00341	.01888	.00089
#3	.00444	.01242	.00015	.00383	.01889	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34158.**	**26115.**
Stddev	111.	68.
%RSD	.32445	.26109
#1	34030.	26143.
#2	34217.	26164.
#3	34227.	26037.

Approved: April 07, 2011

Sample Name: L1103086136 Acquired: 4/6/2011 11:40:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**45.422**	**.02622**	**.04131**	**.46101**	**.00287**	**61.836**
Stddev	.00031	.257	.00098	.00047	.00240	.00002	.197
%RSD	12.846	.56580	3.7308	1.1360	.52118	.63893	.31781
#1	.00212	45.268	.02636	.04091	.45831	.00287	61.660
#2	.00232	45.719	.02713	.04119	.46185	.00285	62.048
#3	.00272	45.280	.02518	.04182	.46289	.00289	61.800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00285**	**.02566**	**.04485**	**.30091**	**57.214**	**12.860**	**.05393**
Stddev	.00001	.00026	.00036	.00166	.297	.063	.00071
%RSD	.36679	1.0084	.79425	.55094	.51979	.48731	1.3156
#1	.00286	.02537	.04474	.29916	56.881	12.788	.05394
#2	.00284	.02571	.04456	.30110	57.307	12.901	.05322
#3	.00285	.02588	.04525	.30246	57.453	12.892	.05464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.318**	**2.6341**	**.00233**	**.15689**	**.06522**	**3.0069**	**.17067**
Stddev	.088	.0100	.00011	.00645	.00033	.0206	.00241
%RSD	.66238	.37936	4.8842	4.1080	.50409	.68482	1.4096
#1	13.227	2.6226	.00226	.16342	.06493	2.9853	.16811
#2	13.404	2.6406	.00226	.15672	.06515	3.0091	.17103
#3	13.323	2.6390	.00246	.15053	.06558	3.0263	.17288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086136 Acquired: 4/6/2011 11:40:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **44.234**	F **107.08**	F **-9436.9**	**.00233**	**-.00005**	**.36220**	**.00445**
Stddev	2.989	.44	60.9	.00154	.00143	.00274	.00014
%RSD	6.7565	.41339	.64486	65.841	2806.3	.75751	3.1119
#1	47.580	106.61	-9368.2	.00058	-.00081	.35983	.00441
#2	41.829	107.13	-9458.4	.00299	.00159	.36157	.00433
#3	43.293	107.49	-9484.0	.00343	-.00093	.36521	.00460
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09064**	**.16011**	**.00245**	**.07355**	**.36308**	**.01902**
Stddev	.00026	.00091	.00084	.00010	.00242	.00017
%RSD	.28434	.56957	34.283	.13626	.66710	.90568
#1	.09034	.15949	.00174	.07352	.36062	.01897
#2	.09081	.16116	.00222	.07346	.36316	.01888
#3	.09077	.15969	.00337	.07366	.36547	.01921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33359.**	**27133.**
Stddev	27.	274.
%RSD	.07962	1.0099
#1	33330.	27280.
#2	33383.	26816.
#3	33364.	27302.

Approved: April 07, 2011

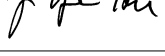
Sample Name: L1103086137 Acquired: 4/6/2011 11:44:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00425**	**43.047**	**.03857**	**.03800**	**.43305**	**.00273**	**196.83**
Stddev	.00033	.373	.00027	.00104	.00351	.00001	1.33
%RSD	7.8066	.86762	.70556	2.7320	.80952	.31038	.67662
#1	.00460	42.636	.03885	.03762	.42976	.00273	195.41
#2	.00393	43.139	.03831	.03721	.43265	.00272	197.02
#3	.00423	43.366	.03854	.03917	.43674	.00274	198.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.02306**	**.04915**	**1.4832**	**60.412**	**9.2611**	**.05082**
Stddev	.00008	.00013	.00014	.0045	.464	.0597	.00064
%RSD	1.7407	.54745	.28136	.30601	.76845	.64498	1.2535
#1	.00472	.02291	.04915	1.4799	59.981	9.1928	.05137
#2	.00470	.02314	.04928	1.4884	60.351	9.3033	.05012
#3	.00457	.02312	.04901	1.4815	60.904	9.2872	.05097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.988**	**3.1557**	**.00551**	**.24668**	**.04165**	**1.8055**	**.42840**
Stddev	.065	.0150	.00006	.00267	.00067	.0077	.00134
%RSD	.43436	.47632	1.1108	1.0824	1.6051	.42714	.31233
#1	14.938	3.1452	.00558	.24873	.04231	1.7974	.42982
#2	14.965	3.1490	.00546	.24366	.04166	1.8127	.42821
#3	15.062	3.1729	.00548	.24766	.04097	1.8065	.42716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086137 Acquired: 4/6/2011 11:44:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.014**	F **309.02**	F **-24702.**	**.00444**	**.00397**	**.48027**	**.00453**
Stddev	2.909	.61	40.	.00132	.00010	.00162	.00014
%RSD	10.027	.19791	.16061	29.815	2.5685	.33789	3.0776
#1	31.416	308.38	-24656.	.00470	.00386	.47902	.00469
#2	29.847	309.60	-24720.	.00301	.00406	.48210	.00443
#3	25.779	309.08	-24729.	.00562	.00399	.47968	.00447
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11313**	**.10966**	**.00435**	**.08582**	**.69559**	**.01719**
Stddev	.00041	.00019	.00067	.00025	.00101	.00014
%RSD	.36299	.17144	15.363	.29069	.14469	.84284
#1	.11268	.10966	.00364	.08564	.69599	.01709
#2	.11322	.10985	.00444	.08570	.69634	.01711
#3	.11349	.10948	.00497	.08610	.69444	.01735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32436.**	**26526.**
Stddev	78.	109.
%RSD	.24148	.40918
#1	32434.	26650.
#2	32358.	26448.
#3	32515.	26479.

Approved: April 07, 2011

Sample Name: L1103086138 Acquired: 4/6/2011 11:47:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**30.342**	**.04751**	**.02961**	**.24506**	**.00129**	**543.90**
Stddev	.00034	.137	.00119	.00062	.00103	.00002	5.76
%RSD	10.387	.45155	2.5056	2.1001	.42202	1.9003	1.0597
#1	.00354	30.184	.04614	.03012	.24387	.00129	537.38
#2	.00289	30.412	.04818	.02979	.24573	.00132	545.99
#3	.00338	30.430	.04822	.02891	.24558	.00127	548.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**.01350**	**.08609**	**.32293**	**38.752**	**6.3453**	**.06289**
Stddev	.00011	.00019	.00048	.00369	.135	.0228	.00056
%RSD	2.5595	1.3749	.55256	1.1433	.34713	.35924	.88739
#1	.00412	.01329	.08554	.31872	38.614	6.3220	.06269
#2	.00409	.01355	.08632	.32565	38.762	6.3464	.06352
#3	.00429	.01365	.08640	.32441	38.882	6.3675	.06246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.073**	**2.1983**	**.00329**	**.39549**	**.04609**	**1.4142**	**.39440**
Stddev	.071	.0093	.00010	.00859	.00037	.0147	.00189
%RSD	.44338	.42327	2.9243	2.1716	.80163	1.0366	.47808
#1	15.991	2.1877	.00335	.39652	.04577	1.3973	.39224
#2	16.108	2.2024	.00318	.40352	.04601	1.4215	.39571
#3	16.120	2.2049	.00334	.38643	.04649	1.4238	.39526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086138 Acquired: 4/6/2011 11:47:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **41.826**	F **754.00**	F **-44788.**	**.00543**	**.00324**	**.34618**	**.00583**
Stddev	11.705	7.39	333.	.00040	.00149	.00187	.00020
%RSD	27.985	.98004	.74425	7.4080	46.036	.54032	3.4161
#1	29.741	745.99	-44442.	.00588	.00489	.34440	.00582
#2	42.628	755.45	-44816.	.00528	.00201	.34813	.00563
#3	53.110	760.55	-45107.	.00512	.00280	.34600	.00603
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60100**	**.29710**	**.00415**	**.08256**	**.40979**	**.01317**
Stddev	.00277	.00141	.00085	.00050	.00290	.00013
%RSD	.46082	.47577	20.548	.60391	.70695	1.0203
#1	.59783	.29549	.00503	.08226	.40681	.01302
#2	.60296	.29767	.00333	.08314	.40996	.01324
#3	.60220	.29815	.00408	.08229	.41260	.01326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31682.**	**26461.**
Stddev	74.	56.
%RSD	.23402	.20981
#1	31757.	26525.
#2	31679.	26425.
#3	31609.	26433.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:51:10 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40470**	**9.8700**	**.40757**	**.51038**	**.98732**	**.05049**	**9.8759**
Stddev	.00216	.1986	.00067	.00208	.01266	.00025	.1449
%RSD	.53293	2.0126	.16405	.40756	1.2824	.49546	1.4674
#1	.40566	9.9230	.40833	.51252	.99053	.05074	9.9629
#2	.40621	9.6503	.40705	.51024	.97336	.05051	9.7086
#3	.40223	10.037	.40735	.50837	.99806	.05024	9.9563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05164**	**.20794**	**.51050**	**.51848**	**3.9540**	**49.476**	**.99770**
Stddev	.00013	.00024	.00226	.00058	.0546	.629	.01488
%RSD	.24789	.11685	.44367	.11211	1.3807	1.2723	1.4918
#1	.05174	.20818	.51278	.51880	3.9687	49.612	1.0003
#2	.05149	.20770	.51046	.51884	3.8936	48.789	.98171
#3	.05168	.20795	.50825	.51781	3.9997	50.026	1.0111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9556**	**.50200**	**1.0182**	**49.891**	**.51595**	F **.00115**	**.52165**
Stddev	.1454	.00528	.0025	.770	.00026	.00344	.00259
%RSD	1.4608	1.0509	.24767	1.5434	.05008	298.54	.49746
#1	10.036	.50331	1.0210	50.017	.51623	-.00014	.52274
#2	9.7878	.49619	1.0173	49.066	.51591	.00505	.51869
#3	10.044	.50650	1.0162	50.590	.51572	-.00146	.52352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 11:51:10 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.434**	**10.672**	F **-12.179**	**1.2437**	**.41000**	**5.1682**	**1.0306**
Stddev	.726	.047	3.464	.0013	.00209	.0045	.0025
%RSD	3.3877	.43670	28.445	.10201	.51061	.08608	.23987
#1	20.605	10.686	-10.124	1.2451	.41185	5.1720	1.0335
#2	21.956	10.620	-16.179	1.2425	.41042	5.1633	1.0290
#3	21.740	10.710	-10.235	1.2435	.40773	5.1692	1.0294
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99422**	**.99890**	**.52838**	**1.0243**	**1.0248**	F **.00107**
Stddev	.01371	.01211	.00230	.0045	.0018	.00015
%RSD	1.3789	1.2122	.43454	.43887	.17461	13.830
#1	.99672	1.0037	.53101	1.0294	1.0269	.00106
#2	.97944	.98513	.52676	1.0228	1.0240	.00122
#3	1.0065	1.0079	.52737	1.0207	1.0236	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32122.**	**26037.**
Stddev	111.	417.
%RSD	.34669	1.6014
#1	32007.	25776.
#2	32129.	26517.
#3	32230.	25817.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 11:54:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.01278**	**-.00026**	**-.00091**	**-.00022**	**.00002**	**-.00312**
Stddev	.00040	.00905	.00035	.00071	.00014	.00001	.00547
%RSD	191.77	70.808	133.67	78.377	63.000	55.167	175.11
#1	.00036	-.01081	.00014	-.00023	-.00038	.00002	-.00310
#2	.00051	-.02265	-.00049	-.00084	-.00019	.00001	-.00860
#3	-.00024	-.00488	-.00044	-.00165	-.00010	.00002	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00013**	**-.00016**	**-.00007**	**-.00175**	**.06880**	**.00064**
Stddev	.0001	.00004	.00021	.00018	.00223	.00986	.00064
%RSD	1818.6	28.963	133.87	262.56	127.20	14.328	99.698
#1	.00008	-.00013	-.00012	-.00022	-.00358	.05750	.00137
#2	-.00002	-.00017	.00003	-.00012	.00073	.07562	.00024
#3	-.00007	-.00009	-.00039	.00013	-.00240	.07329	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00022**	**.00020**	**.00533**	**-.00013**	**-.00214**	**-.00009**
Stddev	.00205	.00050	.00013	.00174	.00009	.00266	.00052
%RSD	606.61	229.57	61.876	32.570	69.864	124.00	560.71
#1	-.00023	-.00057	.00034	.00588	-.00016	-.00083	-.00041
#2	-.00137	-.00044	.00009	.00339	-.00021	-.00520	.00051
#3	.00261	.00035	.00018	.00673	-.00003	-.00039	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 11:54:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.073**	**.09178**	F **-12.104**	**-.00016**	**.00192**	**.00023**	**-.00016**
Stddev	3.276	.04283	2.803	.00049	.00205	.00046	.00021
%RSD	18.126	46.663	23.156	299.42	106.88	200.70	130.34
#1	17.712	.11966	-15.237	.00022	-.00026	.00054	-.00021
#2	14.993	.11323	-9.8361	-.00072	.00221	-.00030	.00007
#3	21.515	.04247	-11.238	.00001	.00380	.00045	-.00035
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00082**	**.00038**	**-.00009**	**-.00012**	**-.00001**
Stddev	.00008	.00081	.00031	.00014	.00009	.00005
%RSD	190.13	99.504	79.684	147.80	76.621	323.37
#1	-.00012	.00170	.00047	.00005	-.00006	-.00001
#2	-.00004	.00009	.00005	-.00011	-.00022	-.00006
#3	.00004	.00066	.00064	-.00022	-.00007	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33064.**	**26279.**
Stddev	104.	113.
%RSD	.31388	.42968
#1	32976.	26236.
#2	33037.	26406.
#3	33178.	26193.

Approved: April 07, 2011

Sample Name: L1103086139 Acquired: 4/6/2011 11:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**50.725**	**.04325**	**.03857**	**.30449**	**.00267**	**352.21**
Stddev	.00035	.266	.00146	.00037	.00194	.00003	3.09
%RSD	15.357	.52438	3.3750	.96378	.63858	1.0847	.87770
#1	.00227	50.451	.04172	.03875	.30325	.00268	350.18
#2	.00267	50.982	.04463	.03881	.30348	.00263	355.77
#3	.00196	50.741	.04340	.03814	.30673	.00269	350.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**.02062**	**.07075**	**.18350**	**54.829**	**9.8736**	**.05972**
Stddev	.00002	.00014	.00007	.00149	.289	.0718	.00155
%RSD	.78010	.66563	.10149	.81386	.52792	.72706	2.5992
#1	.00298	.02046	.07070	.18210	54.619	9.7986	.05796
#2	.00298	.02066	.07073	.18334	54.709	9.9417	.06090
#3	.00302	.02072	.07083	.18507	55.159	9.8805	.06030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.608**	**2.0240**	**.00178**	**.20255**	**.05004**	**1.7053**	**.18452**
Stddev	.081	.0043	.00022	.00470	.00092	.0103	.00113
%RSD	.51597	.21153	12.310	2.3190	1.8441	.60485	.61317
#1	15.527	2.0193	.00156	.20748	.04903	1.6950	.18321
#2	15.609	2.0251	.00177	.20203	.05084	1.7051	.18514
#3	15.688	2.0276	.00200	.19813	.05025	1.7157	.18520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086139 Acquired: 4/6/2011 11:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **26.411**	F **420.48**	F **-13310.**	**.00446**	**.00273**	**.44618**	**.00347**
Stddev	10.020	1.50	89.	.00052	.00169	.00424	.00020
%RSD	37.940	.35654	.67156	11.643	61.999	.95114	5.8167
#1	18.862	418.97	-13207.	.00444	.00307	.44149	.00328
#2	22.593	420.49	-13366.	.00394	.00089	.44727	.00368
#3	37.780	421.97	-13356.	.00498	.00422	.44977	.00345
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17946**	**.17922**	**.00233**	**.09196**	**.27507**	**.01417**
Stddev	.00057	.00103	.00039	.00086	.00086	.00008
%RSD	.31886	.57256	16.789	.93878	.31171	.59605
#1	.17881	.17808	.00216	.09117	.27417	.01412
#2	.17989	.17954	.00205	.09182	.27518	.01412
#3	.17967	.18006	.00277	.09288	.27587	.01427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32377.**	**26359.**
Stddev	22.	135.
%RSD	.06712	.51303
#1	32398.	26490.
#2	32379.	26220.
#3	32355.	26367.

Approved: April 07, 2011

Sample Name: L1103086140 Acquired: 4/6/2011 12:01:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00610**	**37.448**	**.04349**	**.04860**	**1.0452**	**.00898**	**26.210**
Stddev	.00007	.202	.00107	.00079	.0034	.00006	.095
%RSD	1.1976	.53950	2.4607	1.6214	.32054	.65050	.36221
#1	.00608	37.441	.04460	.04951	1.0450	.00893	26.238
#2	.00604	37.249	.04247	.04815	1.0420	.00896	26.104
#3	.00618	37.653	.04340	.04815	1.0487	.00904	26.287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01274**	**.04544**	**.05182**	**1.4325**	**76.063**	**8.9202**	**.04794**
Stddev	.00010	.00035	.00049	.0131	.339	.0227	.00143
%RSD	.74697	.76020	.94755	.91592	.44530	.25433	2.9759
#1	.01270	.04504	.05131	1.4194	75.940	8.9212	.04707
#2	.01284	.04558	.05187	1.4324	75.802	8.8970	.04717
#3	.01266	.04569	.05229	1.4456	76.446	8.9423	.04959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4034**	**9.4480**	**.00631**	**.22614**	**.04059**	**7.7186**	**3.3856**
Stddev	.0784	.0524	.00007	.00180	.00052	.0727	.0335
%RSD	1.0592	.55444	1.0841	.79633	1.2821	.94189	.98928
#1	7.3676	9.4098	.00626	.22776	.04013	7.6437	3.3520
#2	7.3492	9.4264	.00639	.22645	.04116	7.7230	3.3857
#3	7.4933	9.5077	.00628	.22420	.04049	7.7889	3.4190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086140 Acquired: 4/6/2011 12:01:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **49.831**	F **112.27**	F **-19770.**	**.00804**	**.00683**	**.45635**	**.15940**
Stddev	6.309	.95	128.	.00088	.00144	.00447	.00082
%RSD	12.661	.84369	.64751	10.970	21.053	.97911	.51493
#1	55.726	111.36	-19628.	.00902	.00775	.45157	.15848
#2	50.590	112.21	-19807.	.00729	.00758	.45708	.15966
#3	43.177	113.25	-19876.	.00782	.00518	.46041	.16006
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13152**	**.24187**	**.00300**	**.06131**	**1.5369**	**.00872**
Stddev	.00055	.00117	.00068	.00044	.0142	.00009
%RSD	.41731	.48428	22.727	.71464	.92192	1.0563
#1	.13154	.24146	.00270	.06090	1.5227	.00880
#2	.13096	.24096	.00378	.06127	1.5370	.00862
#3	.13205	.24319	.00252	.06177	1.5510	.00875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33526.**	**27418.**
Stddev	45.	237.
%RSD	.13389	.86460
#1	33543.	27456.
#2	33559.	27633.
#3	33474.	27164.

Approved: April 07, 2011

Sample Name: L1103086141 Acquired: 4/6/2011 12:05:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**26.269**	**.04830**	**.03142**	**.74378**	**.00923**	**12.566**
Stddev	.00033	.237	.00106	.00057	.00414	.00005	.089
%RSD	6.3525	.90077	2.2042	1.8168	.55719	.52190	.70472
#1	.00519	26.067	.04714	.03088	.74021	.00926	12.490
#2	.00559	26.212	.04923	.03138	.74279	.00918	12.544
#3	.00493	26.529	.04853	.03202	.74832	.00927	12.663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00626**	**.04612**	**.03189**	**2.0951**	**65.124**	**6.9020**	**.03417**
Stddev	.00013	.00063	.00006	.0262	.399	.0800	.00045
%RSD	2.0234	1.3629	.19137	1.2484	.61195	1.1592	1.3189
#1	.00613	.04552	.03189	2.0709	64.805	6.8226	.03440
#2	.00628	.04607	.03183	2.0916	64.996	6.9008	.03446
#3	.00638	.04677	.03195	2.1228	65.571	6.9826	.03365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6152**	**9.5410**	**.00374**	**.15171**	**.03265**	**3.6001**	**.98680**
Stddev	.0423	.0856	.00011	.00191	.00031	.0522	.01176
%RSD	.91601	.89668	3.0349	1.2566	.95710	1.4512	1.1922
#1	4.5736	9.4566	.00369	.15056	.03242	3.5489	.98000
#2	4.6137	9.5388	.00387	.15391	.03254	3.5979	.98002
#3	4.6582	9.6277	.00365	.15065	.03301	3.6534	1.0004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086141 Acquired: 4/6/2011 12:05:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.210**	F **43.249**	F **-6648.2**	**.00599**	**.00648**	**.47692**	**.05109**
Stddev	4.803	.573	93.3	.00123	.00068	.00506	.00102
%RSD	8.5441	1.3256	1.4041	20.550	10.477	1.0605	1.9978
#1	61.341	42.668	-6545.6	.00458	.00709	.47232	.05003
#2	51.822	43.266	-6671.1	.00654	.00575	.47610	.05117
#3	55.467	43.814	-6728.0	.00684	.00659	.48233	.05206
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08828**	**.19106**	**.00407**	**.05020**	**.69263**	**.00805**
Stddev	.00065	.00161	.00052	.00021	.00943	.00010
%RSD	.73669	.84480	12.861	.42177	1.3609	1.2285
#1	.08762	.18987	.00467	.05027	.68445	.00795
#2	.08831	.19042	.00381	.04996	.69051	.00806
#3	.08892	.19290	.00372	.05037	.70294	.00814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34078.**	**28159.**
Stddev	113.	52.
%RSD	.33092	.18394
#1	33951.	28137.
#2	34165.	28122.
#3	34119.	28218.

Approved: April 07, 2011

Sample Name: L1103086142 Acquired: 4/6/2011 12:08:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**39.138**	**.03629**	**.04505**	**.84910**	**.01198**	**22.924**
Stddev	.00044	.379	.00044	.00057	.00907	.00012	.215
%RSD	13.718	.96794	1.2086	1.2630	1.0679	1.0252	.93669
#1	.00275	38.721	.03680	.04468	.84088	.01186	22.689
#2	.00362	39.234	.03600	.04476	.84760	.01197	22.973
#3	.00317	39.460	.03608	.04570	.85882	.01211	23.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00791**	**.04275**	**.06208**	**.76498**	**88.053**	**9.1470**	**.03981**
Stddev	.00013	.00051	.00076	.01103	.859	.0793	.00082
%RSD	1.5844	1.1829	1.2259	1.4416	.97590	.86726	2.0711
#1	.00782	.04229	.06127	.75289	87.338	9.0656	.03957
#2	.00785	.04268	.06222	.76759	87.816	9.1514	.03913
#3	.00805	.04329	.06277	.77448	89.006	9.2241	.04073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.3361**	**7.4538**	**.00655**	**.21753**	**.04144**	**5.4412**	**1.2660**
Stddev	.0539	.0617	.00014	.00704	.00057	.0785	.0183
%RSD	.84994	.82841	2.1734	3.2377	1.3698	1.4417	1.4482
#1	6.3052	7.3893	.00638	.21799	.04079	5.3604	1.2477
#2	6.3047	7.4599	.00665	.21027	.04169	5.4461	1.2661
#3	6.3983	7.5123	.00661	.22433	.04184	5.5170	1.2843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086142 Acquired: 4/6/2011 12:08:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.093**	F **79.698**	F **-12508.**	**.00475**	**.00558**	**.42546**	**.07222**
Stddev	8.509	.992	145.	.00023	.00152	.00551	.00113
%RSD	16.335	1.2441	1.1615	4.8593	27.330	1.2958	1.5659
#1	42.288	78.614	-12361.	.00498	.00549	.41918	.07113
#2	56.444	79.922	-12513.	.00451	.00410	.42769	.07213
#3	57.547	80.559	-12651.	.00475	.00714	.42951	.07339
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11020**	**.15043**	**.00203**	**.04985**	**1.6518**	**.01183**
Stddev	.00105	.00163	.00112	.00056	.0240	.00011
%RSD	.95264	1.0824	55.291	1.1309	1.4526	.96958
#1	.10899	.14864	.00219	.04949	1.6281	.01185
#2	.11079	.15080	.00307	.04955	1.6513	.01171
#3	.11082	.15184	.00084	.05050	1.6761	.01194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33893.**	**27876.**
Stddev	14.	116.
%RSD	.03989	.41659
#1	33885.	27744.
#2	33909.	27961.
#3	33886.	27924.

Approved: April 07, 2011

Sample Name: L1103086143S Acquired: 4/6/2011 12:11:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04290**	**32.575**	**.07515**	**.04173**	**.78760**	**.01153**	**22.832**
Stddev	.00038	.337	.00022	.00050	.00659	.00005	.216
%RSD	.89258	1.0340	.28781	1.1953	.83724	.42310	.94477
#1	.04246	32.241	.07506	.04194	.78147	.01148	22.630
#2	.04316	32.570	.07499	.04115	.78676	.01158	22.806
#3	.04309	32.915	.07539	.04208	.79457	.01154	23.059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01310**	**.04128**	**.05647**	**.81904**	**85.535**	**8.2322**	**.03482**
Stddev	.00013	.00031	.00046	.00839	.802	.0717	.00108
%RSD	.95579	.73892	.81150	1.0241	.93791	.87129	3.1120
#1	.01297	.04095	.05616	.81133	84.726	8.1603	.03574
#2	.01309	.04133	.05626	.81782	85.547	8.2324	.03363
#3	.01322	.04155	.05700	.82798	86.331	8.3038	.03509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0396**	**7.3886**	**.00585**	**.19034**	**.03716**	**5.3162**	**1.2727**
Stddev	.0578	.0546	.00025	.01499	.00051	.0560	.0179
%RSD	.95732	.73904	4.2294	7.8737	1.3759	1.0527	1.4057
#1	5.9759	7.3353	.00577	.20411	.03659	5.2619	1.2554
#2	6.0542	7.3861	.00565	.19253	.03734	5.3129	1.2716
#3	6.0887	7.4444	.00613	.17437	.03756	5.3737	1.2911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086143S Acquired: 4/6/2011 12:11:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **44.194**	F **76.651**	F **-11868.**	**.00548**	**.00380**	**.50757**	**.07421**
Stddev	15.392	.807	144.	.00102	.00270	.00762	.00082
%RSD	34.829	1.0533	1.2113	18.563	71.066	1.5009	1.1089
#1	60.144	75.828	-11725.	.00432	.00339	.50152	.07343
#2	29.428	76.681	-11864.	.00586	.00133	.50506	.07413
#3	43.009	77.442	-12013.	.00624	.00669	.51612	.07507
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10592**	**.13816**	**.00237**	**.04653**	**1.6058**	**.01149**
Stddev	.00077	.00185	.00090	.00018	.0196	.00011
%RSD	.72728	1.3367	38.246	.39342	1.2179	.91974
#1	.10518	.13693	.00340	.04645	1.5856	.01156
#2	.10587	.13727	.00172	.04673	1.6073	.01137
#3	.10672	.14028	.00197	.04639	1.6246	.01155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33800.**	**27402.**
Stddev	52.	358.
%RSD	.15491	1.3057
#1	33861.	27814.
#2	33767.	27221.
#3	33773.	27171.

Approved: April 07, 2011

Sample Name: L1103086144SD Acquired: 4/6/2011 12:15:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04241**	**24.604**	**.07086**	**.03644**	**.75163**	**.01033**	**22.161**
Stddev	.00046	.011	.00095	.00051	.00222	.00014	.024
%RSD	1.0858	.04480	1.3429	1.3892	.29471	1.3438	.10709
#1	.04268	24.609	.07000	.03698	.74923	.01022	22.168
#2	.04268	24.611	.07069	.03634	.75208	.01029	22.179
#3	.04188	24.591	.07188	.03598	.75359	.01049	22.134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01253**	**.03832**	**.05271**	**.74926**	**73.796**	**7.0257**	**.02762**
Stddev	.00024	.00065	.00082	.01386	.152	.0353	.00075
%RSD	1.9402	1.7092	1.5597	1.8494	.20562	.50205	2.6988
#1	.01238	.03796	.05223	.74039	73.621	6.9992	.02683
#2	.01239	.03791	.05223	.74217	73.882	7.0658	.02831
#3	.01281	.03907	.05366	.76523	73.886	7.0123	.02774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.1117**	**7.2173**	**.00651**	**.16042**	**.03079**	**4.8981**	**1.2214**
Stddev	.0159	.0116	.00024	.00369	.00065	.0775	.0170
%RSD	.31094	.16095	3.6285	2.3018	2.1144	1.5828	1.3940
#1	5.1291	7.2056	.00630	.15647	.03062	4.8490	1.2113
#2	5.0979	7.2176	.00646	.16378	.03024	4.8578	1.2118
#3	5.1081	7.2289	.00676	.16101	.03151	4.9875	1.2411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086144SD Acquired: 4/6/2011 12:15:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360436-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.507**	F **70.459**	F **-10718.**	**.00477**	**.00479**	**.59993**	**.07389**
Stddev	12.486	1.290	142.	.00072	.00186	.00855	.00104
%RSD	42.314	1.8307	1.3235	15.066	38.783	1.4252	1.4109
#1	16.165	69.737	-10639.	.00515	.00310	.59602	.07375
#2	31.448	69.692	-10633.	.00523	.00678	.59404	.07293
#3	40.909	71.949	-10881.	.00394	.00450	.60974	.07500
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09970**	**.12488**	**.00174**	**.03942**	**1.4738**	**.00912**
Stddev	.00032	.00070	.00102	.00023	.0233	.00014
%RSD	.32160	.55977	58.433	.57909	1.5815	1.4969
#1	.09996	.12418	.00082	.03957	1.4599	.00900
#2	.09981	.12490	.00283	.03916	1.4608	.00910
#3	.09934	.12558	.00158	.03953	1.5007	.00927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33865.**	**27149.**
Stddev	260.	302.
%RSD	.76921	1.1110
#1	33930.	26890.
#2	34086.	27077.
#3	33578.	27480.

Approved: April 07, 2011

Sample Name: L1103086145 Acquired: 4/6/2011 12:18:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00757**	**40.792**	**.04891**	**.05101**	**1.2246**	**.01254**	**32.926**
Stddev	.00024	.462	.00080	.00131	.0186	.00007	.397
%RSD	3.1894	1.1335	1.6299	2.5656	1.5191	.54329	1.2070
#1	.00782	40.809	.04810	.05134	1.2255	.01251	32.983
#2	.00756	40.322	.04893	.04956	1.2055	.01262	32.503
#3	.00734	41.246	.04969	.05212	1.2427	.01249	33.291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00902**	**.04002**	**.06097**	**.95881**	**90.819**	**9.2349**	**.04157**
Stddev	.00012	.00060	.00011	.01190	1.202	.1466	.00165
%RSD	1.3109	1.4925	.18546	1.2415	1.3233	1.5874	3.9697
#1	.00893	.03976	.06109	.95331	90.823	9.2600	.04062
#2	.00898	.03960	.06086	.95066	89.616	9.0774	.04063
#3	.00915	.04070	.06096	.97247	92.019	9.3674	.04348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.4411**	**6.6716**	**.00543**	**.36826**	**.04310**	**6.8680**	**1.4872**
Stddev	.0584	.0880	.00027	.00740	.00065	.0827	.0179
%RSD	.90614	1.3183	4.9041	2.0101	1.5122	1.2046	1.2007
#1	6.4257	6.6701	.00517	.36492	.04271	6.8298	1.4803
#2	6.3919	6.5844	.00542	.36312	.04274	6.8112	1.4738
#3	6.5056	6.7603	.00571	.37675	.04385	6.9629	1.5075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086145 Acquired: 4/6/2011 12:18:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **61.490**	F **104.90**	F **-16029.**	**.00608**	**.00528**	**.41910**	**.15567**
Stddev	8.311	1.47	222.	.00224	.00176	.00630	.00239
%RSD	13.516	1.4030	1.3855	36.783	33.335	1.5042	1.5332
#1	56.609	104.33	-15918.	.00360	.00360	.41538	.15443
#2	71.087	103.81	-15883.	.00795	.00513	.41555	.15416
#3	56.775	106.58	-16284.	.00669	.00711	.42638	.15842
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15420**	**.15436**	**.00144**	**.05262**	**2.3437**	**.00986**
Stddev	.00197	.00210	.00021	.00015	.0254	.00014
%RSD	1.2747	1.3583	14.330	.28277	1.0854	1.4025
#1	.15420	.15529	.00168	.05276	2.3304	.00975
#2	.15223	.15196	.00132	.05262	2.3276	.00981
#3	.15616	.15583	.00132	.05247	2.3730	.01002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33777.**	**28597.**
Stddev	213.	190.
%RSD	.63155	.66544
#1	33531.	28384.
#2	33914.	28750.
#3	33886.	28657.

Approved: April 07, 2011

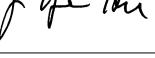
Sample Name: L1103086146 Acquired: 4/6/2011 12:22:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00429**	**35.255**	**.06428**	**.05529**	**1.6895**	**.00497**	**71.754**
Stddev	.00007	.281	.00068	.00055	.0190	.00003	.671
%RSD	1.6021	.79586	1.0541	1.0004	1.1248	.60181	.93532
#1	.00430	34.931	.06370	.05469	1.6726	.00493	71.026
#2	.00421	35.404	.06412	.05579	1.6857	.00498	71.889
#3	.00435	35.429	.06503	.05538	1.7101	.00499	72.347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00943**	**.03032**	**.05753**	**.82176**	**63.768**	**10.091**	**.05216**
Stddev	.00013	.00051	.00048	.01464	.634	.089	.00121
%RSD	1.3525	1.6869	.83932	1.7819	.99384	.88420	2.3279
#1	.00934	.02986	.05706	.80887	63.158	9.9943	.05155
#2	.00939	.03022	.05752	.81874	63.723	10.107	.05138
#3	.00958	.03087	.05803	.83768	64.423	10.171	.05356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.844**	**4.6444**	**.01128**	**.77662**	**.04392**	**8.9179**	**1.9740**
Stddev	.095	.0476	.00011	.01278	.00044	.1456	.0325
%RSD	.87854	1.0253	.96927	1.6459	1.0119	1.6323	1.6451
#1	10.743	4.5958	.01115	.76199	.04341	8.7829	1.9436
#2	10.856	4.6464	.01135	.78225	.04408	8.8989	1.9702
#3	10.932	4.6910	.01133	.78563	.04426	9.0721	2.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086146 Acquired: 4/6/2011 12:22:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **53.537**	F **196.55**	F **-26823.**	**.00621**	**.00573**	**.47578**	**.04367**
Stddev	7.507	3.18	386.	.00137	.00149	.00848	.00084
%RSD	14.022	1.6174	1.4384	22.021	25.901	1.7833	1.9188
#1	61.476	193.81	-26502.	.00467	.00489	.46773	.04283
#2	46.553	195.80	-26716.	.00727	.00486	.47498	.04369
#3	52.582	200.03	-27251.	.00671	.00745	.48464	.04450
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30128**	**.16853**	**.00370**	**.06997**	**2.3890**	**.00758**
Stddev	.00297	.00223	.00082	.00018	.0420	.00013
%RSD	.98532	1.3205	22.153	.26060	1.7561	1.6991
#1	.29803	.16636	.00464	.06987	2.3506	.00744
#2	.30197	.16841	.00336	.06985	2.3828	.00767
#3	.30384	.17081	.00311	.07018	2.4338	.00765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33009.**	**28016.**
Stddev	56.	130.
%RSD	.16973	.46354
#1	32950.	28036.
#2	33062.	27877.
#3	33016.	28134.

Approved: April 07, 2011

Sample Name: L1103086147 Acquired: 4/6/2011 12:25:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00572**	**41.122**	**.18791**	**.05954**	**1.9391**	**.00524**	**80.401**
Stddev	.00048	.725	.00159	.00091	.0322	.00003	1.326
%RSD	8.3240	1.7632	.84864	1.5257	1.6622	.53472	1.6490
#1	.00525	40.672	.18616	.05868	1.9229	.00524	79.624
#2	.00621	41.958	.18827	.06049	1.9762	.00526	81.931
#3	.00571	40.735	.18929	.05944	1.9182	.00521	79.646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.03117**	**.06222**	**1.3276**	**70.990**	**9.5934**	**.05676**
Stddev	.00009	.00017	.00009	.0033	1.179	.1172	.00049
%RSD	.64747	.54667	.15159	.25005	1.6606	1.2218	.86526
#1	.01392	.03114	.06232	1.3280	70.369	9.5342	.05626
#2	.01402	.03136	.06213	1.3308	72.349	9.7284	.05679
#3	.01384	.03103	.06222	1.3242	70.251	9.5175	.05724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.340**	**5.5086**	**.00517**	**.93420**	**.04819**	**6.5610**	**1.7908**
Stddev	.202	.0891	.00011	.01347	.00027	.0105	.0015
%RSD	1.7844	1.6178	2.1151	1.4421	.56727	.15972	.08365
#1	11.188	5.4484	.00510	.92903	.04849	6.5609	1.7901
#2	11.570	5.6109	.00530	.94950	.04795	6.5716	1.7897
#3	11.261	5.4663	.00512	.92409	.04813	6.5506	1.7925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086147 Acquired: 4/6/2011 12:25:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **51.794**	F **193.07**	F **-25368.**	**.00913**	**.00650**	**.40647**	**.04343**
Stddev	9.075	.87	78.	.00065	.00260	.00169	.00014
%RSD	17.520	.45119	.30804	7.1558	39.954	.41477	.31528
#1	58.497	193.01	-25367.	.00988	.00707	.40710	.04341
#2	55.418	193.98	-25291.	.00866	.00877	.40775	.04330
#3	41.468	192.24	-25448.	.00887	.00367	.40456	.04358
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35007**	**.18751**	**.00409**	**.08503**	**2.3849**	**.01128**
Stddev	.00571	.00273	.00037	.00037	.0013	.00009
%RSD	1.6323	1.4541	8.9944	.43755	.05601	.77769
#1	.34646	.18509	.00383	.08542	2.3850	.01138
#2	.35666	.19047	.00451	.08499	2.3835	.01123
#3	.34710	.18698	.00393	.08468	2.3861	.01122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33418.**	**27948.**
Stddev	117.	356.
%RSD	.35051	1.2724
#1	33295.	28141.
#2	33431.	27538.
#3	33529.	28165.

Approved: April 07, 2011

Sample Name: L1103086148 Acquired: 4/6/2011 12:28:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**40.503**	**.06099**	**.08296**	**1.9310**	**.00726**	**82.984**
Stddev	.00047	.142	.00077	.00010	.0131	.00007	.398
%RSD	7.5130	.34939	1.2655	.12529	.67939	.94352	.47993
#1	.00677	40.383	.06057	.08306	1.9246	.00719	82.643
#2	.00582	40.466	.06188	.08285	1.9224	.00727	82.886
#3	.00637	40.659	.06052	.08298	1.9461	.00733	83.422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01629**	**.03904**	**.06991**	**1.0647**	**75.404**	**10.759**	**.05038**
Stddev	.00021	.00076	.00081	.0158	.518	.071	.00017
%RSD	1.3123	1.9429	1.1537	1.4825	.68706	.65775	.34372
#1	.01605	.03826	.06909	1.0485	75.108	10.715	.05018
#2	.01638	.03908	.06993	1.0657	75.101	10.722	.05050
#3	.01644	.03978	.07070	1.0800	76.002	10.841	.05047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.652**	**6.3308**	**.00998**	**.78718**	**.04701**	**9.3909**	**3.0751**
Stddev	.096	.0382	.00023	.00721	.00097	.1280	.0439
%RSD	.90254	.60286	2.3328	.91550	2.0595	1.3634	1.4282
#1	10.573	6.2960	.00975	.77903	.04622	9.2626	3.0312
#2	10.625	6.3248	.00997	.78980	.04671	9.3913	3.0751
#3	10.759	6.3716	.01022	.79270	.04809	9.5187	3.1191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086148 Acquired: 4/6/2011 12:28:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **55.778**	F **270.36**	F **-41380.**	**.01176**	**.00816**	**.56178**	**.07089**
Stddev	1.772	3.70	507.	.00125	.00103	.00824	.00097
%RSD	3.1764	1.3668	1.2264	10.623	12.628	1.4664	1.3670
#1	55.153	266.65	-40877.	.01291	.00936	.55292	.06992
#2	57.778	270.39	-41369.	.01194	.00758	.56320	.07087
#3	54.404	274.04	-41892.	.01043	.00756	.56921	.07186
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38307**	**.25910**	**.00300**	**.06864**	**3.8838**	**.00720**
Stddev	.00161	.00120	.00009	.00081	.0570	.00014
%RSD	.42100	.46151	3.1413	1.1781	1.4666	1.9922
#1	.38138	.25782	.00300	.06774	3.8283	.00705
#2	.38326	.25929	.00291	.06889	3.8809	.00724
#3	.38459	.26019	.00310	.06930	3.9421	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33251.**	**28104.**
Stddev	27.	139.
%RSD	.08132	.49502
#1	33279.	28219.
#2	33226.	28143.
#3	33248.	27949.

Approved: April 07, 2011

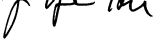
Sample Name: CCV Acquired: 4/6/2011 12:32:23 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41394**	**9.6352**	**.41064**	**.51435**	**.98292**	**.05038**	**9.6572**
Stddev	.00378	.0382	.00492	.00353	.00106	.00034	.0220
%RSD	.91375	.39648	1.1993	.68722	.10795	.66582	.22773
#1	.41760	9.6243	.41617	.51831	.98212	.05076	9.6616
#2	.41417	9.6036	.40672	.51151	.98250	.05025	9.6334
#3	.41005	9.6776	.40903	.51323	.98412	.05013	9.6767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05163**	**.20720**	**.50422**	**.51821**	**3.9174**	**48.856**	**.99790**
Stddev	.00054	.00219	.00321	.00525	.0057	.112	.00147
%RSD	1.0428	1.0585	.63626	1.0130	.14441	.22830	.14684
#1	.05220	.20970	.50793	.52404	3.9198	48.869	.99936
#2	.05113	.20558	.50231	.51387	3.9110	48.738	.99643
#3	.05155	.20633	.50243	.51672	3.9215	48.960	.99793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8360**	**.50114**	**1.0121**	**49.176**	**.51386**	F **-.00016**	**.51785**
Stddev	.0095	.00088	.0096	.212	.00520	.00107	.00310
%RSD	.09607	.17578	.94580	.43083	1.0122	677.73	.59825
#1	9.8462	.50030	1.0230	49.172	.51977	-.00139	.52115
#2	9.8276	.50106	1.0050	48.965	.51000	.00054	.51501
#3	9.8343	.50206	1.0082	49.389	.51180	.00038	.51740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011



Sample Name: CCV Acquired: 4/6/2011 12:32:23 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **28.233**	**10.531**	F **-18.007**	**1.2423**	**.41501**	**5.1684**	**1.0239**
Stddev	2.421	.147	5.296	.0135	.00266	.0437	.0103
%RSD	8.5755	1.4000	29.411	1.0832	.64193	.84559	1.0077
#1	25.759	10.696	-12.157	1.2564	.41744	5.2176	1.0358
#2	30.597	10.412	-22.475	1.2297	.41544	5.1340	1.0171
#3	28.341	10.485	-19.388	1.2408	.41216	5.1537	1.0189
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98338**	**.99931**	**.52520**	**1.0367**	**1.0131**	F **.00087**
Stddev	.00373	.00283	.00696	.0060	.0112	.00012
%RSD	.37974	.28363	1.3256	.58165	1.1084	14.388
#1	.98173	.99709	.53321	1.0437	1.0259	.00088
#2	.98075	.99833	.52176	1.0329	1.0052	.00098
#3	.98765	1.0025	.52062	1.0335	1.0081	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32481.**	**27197.**
Stddev	270.	211.
%RSD	.83279	.77756
#1	32168.	26956.
#2	32629.	27284.
#3	32644.	27351.

Approved: April 07, 2011

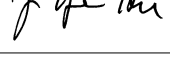
Sample Name: CCB Acquired: 4/6/2011 12:35:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**-.02150**	**-.00009**	**-.00196**	**-.00036**	**.00003**	**-.00046**
Stddev	.00009	.00492	.00053	.00015	.00012	.00002	.01004
%RSD	11.119	22.868	568.03	7.7379	32.438	80.916	2201.5
#1	.00091	-.02016	-.00007	-.00203	-.00026	.00005	-.01201
#2	.00079	-.02696	.00043	-.00206	-.00049	.00001	.00617
#3	.00074	-.01740	-.00064	-.00178	-.00032	.00002	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00004**	**-.00026**	**-.00020**	**-.00075**	**.05032**	**.00097**
Stddev	.00004	.00009	.00038	.00012	.00235	.01607	.00107
%RSD	68.301	244.27	150.50	58.405	312.98	31.927	109.74
#1	-.00001	-.00012	-.00069	-.00018	.00192	.06786	.00209
#2	-.00008	.00005	.00005	-.00010	-.00169	.03630	.00087
#3	-.00009	-.00004	-.00012	-.00033	-.00249	.04681	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00624**	**-.00020**	**.00000**	**.01108**	**.00052**	**-.00186**	**-.00069**
Stddev	.00775	.00044	.00012	.00729	.00013	.00074	.00084
%RSD	124.30	217.93	2561.7	65.754	25.235	39.907	120.88
#1	.00685	-.00031	-.00009	.01740	.00038	-.00193	-.00158
#2	.01366	-.00058	.00013	.00311	.00064	-.00256	-.00059
#3	-.00180	.00028	-.00004	.01274	.00054	-.00108	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/6/2011 12:35:44 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **39.516**	**.01455**	F **-1.4097**	**-.00067**	**.00184**	**-.00013**	**-.00025**
Stddev	3.331	.02295	5.7947	.00100	.00136	.00048	.00026
%RSD	8.4288	157.70	411.07	150.38	73.855	361.22	101.98
#1	40.258	-.00146	-7.6611	-.00166	.00333	.00026	-.00038
#2	35.877	.00427	-.35004	-.00068	.00066	-.00067	-.00043
#3	42.413	.04085	3.7821	.00034	.00154	.00001	.00004
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00050**	**.00024**	**-.00026**	**-.00011**	**.00001**
Stddev	.00001	.00020	.00095	.00007	.00002	.00010
%RSD	17.553	39.048	391.86	28.556	21.902	1815.7
#1	-.00006	.00066	-.00084	-.00026	-.00014	.00003
#2	-.00004	.00028	.00062	-.00033	-.00011	-.00010
#3	-.00005	.00056	.00094	-.00018	-.00009	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33563.**	**27343.**
Stddev	53.	250.
%RSD	.15868	.91466
#1	33509.	27276.
#2	33615.	27620.
#3	33565.	27133.

Approved: April 07, 2011

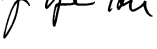
Sample Name: L1103086149 Acquired: 4/6/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**49.220**	**.05878**	**.09032**	**1.6870**	**.00964**	**68.654**
Stddev	.00050	.175	.00155	.00017	.0093	.00010	.278
%RSD	5.8204	.35522	2.6285	.18543	.55248	1.0547	.40436
#1	.00882	49.029	.05701	.09015	1.6773	.00959	68.337
#2	.00892	49.372	.05951	.09032	1.6880	.00957	68.771
#3	.00801	49.260	.05983	.09048	1.6958	.00976	68.854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01550**	**.04680**	**.07009**	**1.3368**	**89.777**	**11.021**	**.05473**
Stddev	.00021	.00069	.00108	.0215	.481	.043	.00073
%RSD	1.3439	1.4656	1.5474	1.6067	.53602	.39034	1.3350
#1	.01529	.04612	.06931	1.3141	89.261	10.995	.05390
#2	.01551	.04680	.06964	1.3395	89.855	10.996	.05505
#3	.01570	.04749	.07133	1.3568	90.214	11.070	.05525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.150**	**7.6931**	**.00910**	**1.2457**	**.05412**	**7.0070**	**2.7538**
Stddev	.034	.0290	.00022	.0101	.00098	.1163	.0420
%RSD	.33428	.37721	2.4441	.81386	1.8145	1.6597	1.5263
#1	10.116	7.6609	.00906	1.2398	.05301	6.8844	2.7117
#2	10.150	7.7013	.00891	1.2574	.05449	7.0210	2.7540
#3	10.184	7.7172	.00934	1.2400	.05486	7.1157	2.7958
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103086149 Acquired: 4/6/2011 12:39:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.761**	F **210.71**	F **-31764.**	**.01058**	**.00747**	**.53963**	**.09563**
Stddev	6.431	2.90	515.	.00174	.00081	.00682	.00167
%RSD	11.330	1.3754	1.6224	16.468	10.852	1.2629	1.7415
#1	63.948	207.61	-31227.	.00862	.00730	.53205	.09397
#2	51.550	211.18	-31812.	.01118	.00676	.54158	.09561
#3	54.785	213.35	-32254.	.01195	.00835	.54526	.09731
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40865**	**.31433**	**.00411**	**.07410**	**3.4931**	**.01480**
Stddev	.00137	.00109	.00080	.00084	.0562	.00010
%RSD	.33515	.34613	19.516	1.1376	1.6085	.66409
#1	.40707	.31307	.00446	.07326	3.4357	.01470
#2	.40948	.31486	.00467	.07410	3.4956	.01483
#3	.40940	.31504	.00319	.07494	3.5479	.01489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33289.**	**28403.**
Stddev	112.	69.
%RSD	.33682	.24248
#1	33406.	28377.
#2	33278.	28350.
#3	33183.	28480.

Approved: April 07, 2011

Sample Name: L1103086150 Acquired: 4/6/2011 12:42:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**36.165**	**.03704**	**.03500**	**.28509**	**.00211**	**432.90**
Stddev	.00007	.283	.00167	.00036	.00125	.00001	13.44
%RSD	2.7812	.78212	4.4966	1.0374	.43750	.30411	3.1055
#1	.00250	36.491	.03625	.03458	.28647	.00210	447.95
#2	.00253	36.013	.03591	.03525	.28405	.00211	422.07
#3	.00240	35.990	.03895	.03516	.28475	.00210	428.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00309**	**.01740**	**.04640**	**.21071**	**45.203**	**7.5154**	**.05384**
Stddev	.00012	.00019	.00036	.00089	.238	.0514	.00269
%RSD	3.8503	1.1015	.77455	.42146	.52608	.68368	4.9977
#1	.00307	.01720	.04609	.21166	45.471	7.5746	.05576
#2	.00298	.01741	.04679	.21055	45.018	7.4891	.05501
#3	.00322	.01759	.04630	.20991	45.120	7.4826	.05077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.009**	**1.9356**	**.00197**	**.12384**	**.03793**	**1.9291**	**.16969**
Stddev	.096	.0108	.00012	.01112	.00035	.0042	.00069
%RSD	.68639	.55723	5.9117	8.9808	.92111	.22003	.40857
#1	14.104	1.9471	.00199	.12738	.03786	1.9333	.16979
#2	13.912	1.9257	.00185	.13276	.03831	1.9293	.17032
#3	14.011	1.9341	.00208	.11138	.03763	1.9248	.16895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086150 Acquired: 4/6/2011 12:42:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **58.538**	F **497.97**	F **-11706.**	**.00395**	**.00469**	**.45912**	**.00315**
Stddev	6.446	1.09	16.	.00060	.00237	.00203	.00018
%RSD	11.012	.21869	.13503	15.150	50.557	.44243	5.5650
#1	55.502	497.67	-11724.	.00390	.00582	.46091	.00296
#2	54.171	499.18	-11700.	.00457	.00629	.45691	.00318
#3	65.942	497.07	-11695.	.00337	.00197	.45954	.00331
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10742**	**.14880**	**.00314**	**.07295**	**.26527**	**.00995**
Stddev	.00031	.00115	.00073	.00038	.00011	.00005
%RSD	.28974	.77369	23.320	.51428	.04025	.45286
#1	.10757	.15002	.00369	.07301	.26516	.00990
#2	.10763	.14774	.00343	.07328	.26530	.00999
#3	.10706	.14863	.00231	.07254	.26536	.00997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32182.**	**27510.**
Stddev	81.	267.
%RSD	.25095	.97000
#1	32128.	27239.
#2	32143.	27773.
#3	32275.	27516.

Approved: April 07, 2011

Sample Name: L1103086151 Acquired: 4/6/2011 12:46:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**39.298**	**.03387**	**.03288**	**.32545**	**.00284**	**451.40**
Stddev	.00036	.088	.00148	.00043	.00112	.00003	2.75
%RSD	15.756	.22322	4.3746	1.3164	.34489	1.2143	.61030
#1	.00222	39.290	.03217	.03242	.32610	.00283	453.50
#2	.00194	39.214	.03454	.03296	.32415	.00288	448.28
#3	.00265	39.389	.03490	.03327	.32610	.00281	452.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.01980**	**.06294**	**.23220**	**47.288**	**7.4494**	**.06871**
Stddev	.00013	.00014	.00076	.00225	.164	.0185	.00172
%RSD	2.8185	.70366	1.2020	.97046	.34759	.24827	2.5018
#1	.00435	.01965	.06206	.22961	47.305	7.4383	.06718
#2	.00457	.01991	.06341	.23371	47.116	7.4392	.06837
#3	.00457	.01985	.06334	.23327	47.444	7.4708	.07057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.976**	**3.8550**	**.00183**	**.15316**	**.04871**	**2.4888**	**.24347**
Stddev	.142	.0081	.00010	.00486	.00028	.0086	.00281
%RSD	.40467	.21103	5.4527	3.1754	.56465	.34754	1.1544
#1	34.884	3.8466	.00195	.15517	.04887	2.4837	.24051
#2	34.906	3.8555	.00179	.14762	.04839	2.4839	.24610
#3	35.139	3.8628	.00176	.15671	.04886	2.4988	.24382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086151 Acquired: 4/6/2011 12:46:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **47.762**	F **514.89**	F **-8778.5**	**.00381**	**.00458**	**.43363**	**.00384**
Stddev	.998	3.18	77.3	.00099	.00185	.00174	.00029
%RSD	2.0902	.61702	.88050	26.080	40.469	.40062	7.6498
#1	47.584	511.26	-8764.2	.00383	.00420	.43384	.00384
#2	46.864	517.20	-8709.3	.00280	.00659	.43179	.00414
#3	48.837	516.19	-8861.9	.00479	.00295	.43525	.00355
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18705**	**.17450**	**.00288**	**.07380**	**.39256**	**.01315**
Stddev	.00047	.00088	.00138	.00097	.00384	.00017
%RSD	.25361	.50400	48.141	1.3166	.97802	1.3206
#1	.18656	.17425	.00141	.07269	.38870	.01295
#2	.18707	.17377	.00305	.07449	.39638	.01324
#3	.18751	.17547	.00417	.07421	.39259	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31676.**	**27698.**
Stddev	326.	121.
%RSD	1.0280	.43697
#1	31984.	27806.
#2	31335.	27722.
#3	31708.	27567.

Approved: April 07, 2011

Sample Name: L1103086152 Acquired: 4/6/2011 12:49:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00275**	**56.639**	**.03836**	**.03966**	**.37534**	**.00301**	**204.55**
Stddev	.00146	.200	.00044	.00080	.00130	.00002	.58
%RSD	53.125	.35361	1.1451	2.0053	.34628	.66891	.28455
#1	.00299	56.864	.03887	.04051	.37684	.00300	205.20
#2	.00119	56.479	.03807	.03894	.37465	.00303	204.08
#3	.00409	56.575	.03815	.03954	.37453	.00300	204.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00344**	**.02320**	**.06408**	**.27348**	**59.008**	**11.444**	**.05376**
Stddev	.00001	.00007	.00026	.00057	.213	.048	.00157
%RSD	.29329	.30845	.40060	.20777	.36173	.41957	2.9297
#1	.00344	.02312	.06404	.27303	59.243	11.499	.05299
#2	.00343	.02326	.06435	.27330	58.826	11.419	.05557
#3	.00344	.02321	.06384	.27412	58.956	11.413	.05272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.762**	**2.7320**	**.00127**	**.13042**	**.05107**	**1.4431**	**.19295**
Stddev	.050	.0076	.00007	.00648	.00021	.0025	.00015
%RSD	.29729	.27991	5.6829	4.9700	.40909	.17198	.07898
#1	16.818	2.7408	.00130	.12304	.05085	1.4416	.19280
#2	16.722	2.7275	.00119	.13521	.05126	1.4416	.19294
#3	16.745	2.7276	.00133	.13301	.05110	1.4459	.19310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086152 Acquired: 4/6/2011 12:49:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.963**	F **246.92**	F **-7626.8**	**.00306**	**.00247**	**.37231**	**.00503**
Stddev	4.016	.37	24.9	.00071	.00137	.00103	.00022
%RSD	6.9292	.15124	.32598	23.193	55.201	.27775	4.4487
#1	62.205	246.63	-7598.4	.00372	.00141	.37126	.00494
#2	54.219	246.80	-7644.9	.00231	.00200	.37333	.00528
#3	57.464	247.34	-7637.0	.00316	.00402	.37234	.00486
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07332**	**.22624**	**.00286**	**.09019**	**.30253**	**.01888**
Stddev	.00020	.00128	.00066	.00030	.00042	.00009
%RSD	.27677	.56393	23.138	.33657	.13851	.48683
#1	.07355	.22771	.00220	.09009	.30217	.01887
#2	.07321	.22554	.00353	.09053	.30244	.01898
#3	.07320	.22546	.00284	.08995	.30299	.01880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32644.**	**27845.**
Stddev	35.	183.
%RSD	.10653	.65822
#1	32683.	27641.
#2	32633.	27997.
#3	32616.	27896.

Approved: April 07, 2011

Sample Name: L1103086153 Acquired: 4/6/2011 12:53:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**49.786**	**.02837**	**.03738**	**.43662**	**.00358**	**311.13**
Stddev	.00060	.513	.00098	.00026	.00229	.00004	6.83
%RSD	26.861	1.0295	3.4606	.70115	.52400	1.0220	2.1936
#1	.00184	49.238	.02833	.03711	.43451	.00354	308.41
#2	.00291	49.869	.02741	.03738	.43631	.00358	306.08
#3	.00192	50.253	.02937	.03764	.43905	.00361	318.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00288**	**.02750**	**.06425**	**.15300**	**61.596**	**12.044**	**.07225**
Stddev	.00005	.00022	.00026	.00022	.331	.068	.00081
%RSD	1.8252	.78871	.39759	.14190	.53779	.56546	1.1277
#1	.00287	.02725	.06415	.15275	61.313	11.987	.07264
#2	.00283	.02761	.06407	.15317	61.514	12.026	.07280
#3	.00293	.02764	.06455	.15307	61.960	12.119	.07132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.487**	**2.7565**	**.00163**	**.19895**	**.05397**	**3.0026**	**.14029**
Stddev	.162	.0193	.00028	.00740	.00020	.0148	.00182
%RSD	.63719	.69937	17.468	3.7217	.37957	.49288	1.2986
#1	25.399	2.7401	.00130	.20387	.05401	2.9868	.13818
#2	25.387	2.7517	.00180	.19044	.05375	3.0050	.14141
#3	25.674	2.7778	.00179	.20255	.05416	3.0161	.14126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103086153 Acquired: 4/6/2011 12:53:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **65.721**	F **350.31**	F **-6593.2**	**.00377**	**.00125**	**.44984**	**.00352**
Stddev	12.128	2.10	37.6	.00037	.00051	.00293	.00017
%RSD	18.454	.59868	.57034	9.8478	40.657	.65054	4.7045
#1	64.724	348.92	-6554.7	.00415	.00183	.44707	.00350
#2	78.318	349.29	-6594.9	.00341	.00102	.44955	.00369
#3	54.123	352.73	-6629.9	.00375	.00089	.45290	.00336
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19209**	**.14896**	**.00395**	**.09098**	**.29813**	**.01845**
Stddev	.00133	.00048	.00117	.00065	.00222	.00011
%RSD	.69471	.32079	29.595	.71992	.74627	.58275
#1	.19059	.14857	.00274	.09094	.29679	.01844
#2	.19251	.14882	.00405	.09035	.29690	.01834
#3	.19315	.14949	.00507	.09166	.30070	.01856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32544.**	**27843.**
Stddev	102.	249.
%RSD	.31349	.89266
#1	32610.	28057.
#2	32596.	27902.
#3	32427.	27571.

Approved: April 07, 2011

Sample Name: L1103090601 Acquired: 4/6/2011 12:56:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**173.53**	**.12020**	**.16479**	**1.5959**	**.00713**	**132.18**
Stddev	.00032	1.14	.00041	.00274	.0043	.00003	.68
%RSD	2.7126	.65552	.33899	1.6654	.26752	.37740	.51669
#1	.01217	174.45	.12065	.16768	1.6007	.00710	132.80
#2	.01195	172.26	.12007	.16222	1.5943	.00715	131.45
#3	.01154	173.88	.11987	.16448	1.5927	.00714	132.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00517**	**.10115**	**.21320**	**4.0122**	**256.46**	**46.240**	**.21290**
Stddev	.00014	.00022	.00186	.0130	4.67	.149	.00136
%RSD	2.7260	.21298	.87417	.32396	1.8194	.32312	.63946
#1	.00533	.10106	.21175	3.9980	260.86	46.298	.21431
#2	.00505	.10100	.21530	4.0152	251.56	46.070	.21279
#3	.00513	.10140	.21256	4.0235	256.96	46.352	.21159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**84.903**	**4.9254**	**.03038**	**3.9053**	**.18369**	**7.1654**	**.22007**
Stddev	.400	.0145	.00010	.0172	.00068	.0219	.00097
%RSD	.47154	.29412	.34367	.43993	.36952	.30570	.44092
#1	85.055	4.9304	.03026	3.9174	.18318	7.1403	.22003
#2	84.449	4.9091	.03044	3.8856	.18343	7.1747	.22107
#3	85.205	4.9368	.03044	3.9128	.18446	7.1810	.21913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090601 Acquired: 4/6/2011 12:56:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **96.800**	F **483.76**	F **-83908.**	**.00821**	**.00625**	**1.0757**	**.01645**
Stddev	13.323	2.31	119.	.00076	.00221	.0051	.00007
%RSD	13.763	.47693	.14132	9.3159	35.265	.46996	.39736
#1	101.21	481.20	-83794.	.00908	.00845	1.0699	.01643
#2	107.36	485.68	-84031.	.00789	.00627	1.0776	.01639
#3	81.831	484.39	-83899.	.00765	.00404	1.0795	.01652
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64734**	**1.5446**	**.00927**	**.36967**	**.72133**	**.11072**
Stddev	.00300	.0029	.00192	.00049	.00115	.00027
%RSD	.46267	.18773	20.678	.13317	.15908	.24326
#1	.65004	1.5478	.00776	.36932	.72013	.11046
#2	.64412	1.5422	.00863	.36945	.72143	.11100
#3	.64787	1.5437	.01143	.37023	.72242	.11069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32245.**	**28143.**
Stddev	18.	428.
%RSD	.05685	1.5199
#1	32247.	27674.
#2	32226.	28511.
#3	32263.	28246.

Approved: April 07, 2011

Sample Name: L1103090602 Acquired: 4/6/2011 13:00:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00563**	**128.31**	**.06378**	**.11021**	**1.5785**	**.00774**	**224.59**
Stddev	.00060	.25	.00081	.00028	.0059	.00000	.32
%RSD	10.589	.19781	1.2727	.25696	.37320	.03349	.14082
#1	.00497	128.54	.06472	.11026	1.5845	.00774	224.92
#2	.00580	128.35	.06335	.11047	1.5783	.00775	224.58
#3	.00613	128.04	.06328	.10991	1.5727	.00774	224.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00399**	**.08551**	**.16274**	**2.9816**	**201.47**	**35.194**	**.17417**
Stddev	.00012	.00026	.00042	.0083	.23	.061	.00110
%RSD	3.0892	.30708	.26041	.27966	.11408	.17430	.63075
#1	.00395	.08565	.16265	2.9872	201.24	35.223	.17508
#2	.00389	.08566	.16321	2.9855	201.70	35.234	.17449
#3	.00413	.08520	.16238	2.9720	201.47	35.123	.17295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.265**	**4.2314**	**.02246**	**5.5165**	**.15349**	**6.2659**	**.15301**
Stddev	.353	.0002	.00015	.0159	.00077	.0160	.00058
%RSD	.46962	.00527	.66953	.28850	.50191	.25495	.37795
#1	74.880	4.2312	.02241	5.5341	.15386	6.2747	.15299
#2	75.342	4.2313	.02235	5.5030	.15401	6.2756	.15359
#3	75.574	4.2316	.02263	5.5125	.15261	6.2475	.15244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090602 Acquired: 4/6/2011 13:00:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **66.472**	F **546.04**	F **-76012.**	**.00575**	**.00306**	**1.7261**	**.00745**
Stddev	19.394	2.21	211.	.00194	.00124	.0076	.00013
%RSD	29.176	.40561	.27771	33.790	40.607	.44224	1.7622
#1	88.398	548.03	-76241.	.00754	.00428	1.7311	.00743
#2	59.456	546.44	-75971.	.00601	.00311	1.7298	.00760
#3	51.562	543.65	-75824.	.00369	.00180	1.7173	.00734
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76243**	**.61639**	**.00647**	**.26103**	**.57808**	**.07332**
Stddev	.00364	.00026	.00112	.00019	.00029	.00025
%RSD	.47732	.04156	17.283	.07174	.04997	.33814
#1	.76649	.61656	.00774	.26124	.57819	.07347
#2	.76131	.61610	.00562	.26088	.57830	.07345
#3	.75948	.61652	.00606	.26095	.57776	.07303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31738.**	**27313.**
Stddev	67.	265.
%RSD	.21135	.97164
#1	31673.	27607.
#2	31734.	27238.
#3	31807.	27093.

Approved: April 07, 2011

Sample Name: L1103090603 Acquired: 4/6/2011 13:03:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**136.25**	**.11573**	**.12376**	**1.7186**	**.00861**
Stddev	.00053	.92	.00113	.00029	.0072	.00005
%RSD	10.047	.67266	.98064	.23243	.41948	.59530
#1	.00491	137.26	.11613	.12380	1.7262	.00865
#2	.00588	136.05	.11445	.12346	1.7119	.00863
#3	.00504	135.46	.11661	.12403	1.7178	.00856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**209.66**	**.00517**	**.09300**	**.18336**	**3.4499**	**228.73**
Stddev	1.08	.00014	.00016	.00050	.0087	.74
%RSD	.51707	2.7717	.17400	.27524	.25140	.32262
#1	210.91	.00533	.09284	.18380	3.4480	229.54
#2	209.05	.00504	.09316	.18281	3.4594	228.09
#3	209.02	.00515	.09300	.18348	3.4423	228.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.069**	**.18591**	**83.713**	**4.3465**	**.03201**	**3.2724**
Stddev	.118	.00127	.237	.0073	.00022	.0174
%RSD	.31125	.68410	.28267	.16697	.69924	.53180
#1	38.205	.18725	83.926	4.3549	.03185	3.2856
#2	38.018	.18472	83.458	4.3429	.03190	3.2789
#3	37.985	.18575	83.754	4.3418	.03226	3.2527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090603 Acquired: 4/6/2011 13:03:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16963**	**5.7205**	**.16623**	F **47.429**	F **651.33**	F **-103820.**
Stddev	.00111	.0124	.00247	8.442	2.19	141.
%RSD	.65643	.21637	1.4846	17.800	.33573	.13574
#1	.16973	5.7125	.16624	38.379	651.10	-103880.
#2	.17069	5.7348	.16376	55.092	653.62	-103920.
#3	.16847	5.7143	.16870	48.815	649.27	-103660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00686**	**.00431**	**1.8143**	**.00852**	**.74001**	**.58807**
Stddev	.00107	.00310	.0057	.00022	.00373	.00163
%RSD	15.670	71.813	.31567	2.5495	.50419	.27687
#1	.00579	.00194	1.8085	.00861	.74386	.58994
#2	.00684	.00781	1.8199	.00827	.73974	.58698
#3	.00794	.00318	1.8145	.00868	.73642	.58729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00685**	**.28299**	**.67165**	**.08793**
Stddev	.00069	.00079	.00078	.00013
%RSD	10.009	.27754	.11621	.14788
#1	.00612	.28387	.67224	.08790
#2	.00749	.28273	.67196	.08782
#3	.00693	.28236	.67077	.08807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090603 Acquired: 4/6/2011 13:03:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31702.**	**26896.**
Stddev	77.	232.
%RSD	.24228	.86159
#1	31614.	26629.
#2	31742.	27049.
#3	31751.	27009.

Approved: April 07, 2011

Sample Name: L1103085908 Acquired: 4/6/2011 13:07:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00549**	**53.536**	**.04844**	**.06417**	**.76870**	**.00497**	**62.223**
Stddev	.00047	.216	.00103	.00002	.00220	.00001	.144
%RSD	8.5410	.40375	2.1182	.02724	.28559	.28565	.23156
#1	.00550	53.318	.04941	.06417	.76703	.00497	62.111
#2	.00502	53.751	.04737	.06419	.77118	.00495	62.386
#3	.00596	53.538	.04854	.06415	.76788	.00498	62.173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00625**	**.03539**	**.08328**	**.84308**	**133.44**	**10.976**	**.04840**
Stddev	.00007	.00011	.00055	.00230	.41	.030	.00051
%RSD	1.0397	.30068	.66253	.27239	.31036	.27210	1.0598
#1	.00630	.03528	.08292	.84043	133.08	10.950	.04881
#2	.00618	.03541	.08300	.84441	133.89	11.009	.04783
#3	.00628	.03549	.08391	.84440	133.34	10.968	.04857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6816**	**6.1758**	**.00730**	**.69165**	**.05560**	**1.3431**	**.49326**
Stddev	.0319	.0165	.00020	.00980	.00039	.0031	.00206
%RSD	.32945	.26780	2.7486	1.4170	.70934	.22780	.41766
#1	9.6529	6.1568	.00753	.68136	.05586	1.3427	.49299
#2	9.7159	6.1842	.00715	.70088	.05515	1.3403	.49135
#3	9.6759	6.1865	.00721	.69271	.05580	1.3463	.49544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085908 Acquired: 4/6/2011 13:07:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **36.096**	F **128.22**	F **-14967.**	**.02426**	**.00498**	**1.3642**	**.01791**
Stddev	10.242	.33	82.	.00056	.00035	.0029	.00026
%RSD	28.374	.25950	.55039	2.3072	7.0034	.21473	1.4537
#1	45.118	127.95	-14933.	.02379	.00480	1.3631	.01812
#2	24.963	128.12	-14907.	.02488	.00475	1.3619	.01762
#3	38.206	128.59	-15061.	.02411	.00538	1.3675	.01798
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12977**	**.25142**	**.00557**	**.12854**	**.66562**	**.02640**
Stddev	.00044	.00062	.00058	.00074	.00239	.00021
%RSD	.34292	.24619	10.438	.57816	.35896	.78151
#1	.12928	.25076	.00552	.12896	.66322	.02630
#2	.13015	.25153	.00501	.12769	.66563	.02626
#3	.12988	.25198	.00617	.12898	.66800	.02664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32936.**	**26563.**
Stddev	68.	124.
%RSD	.20576	.46790
#1	32885.	26646.
#2	33013.	26420.
#3	32911.	26623.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:10:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40965**	**9.9704**	**.40909**	**.51403**	**.99965**	**.05068**	**9.9421**
Stddev	.00402	.0034	.00164	.00275	.00195	.00038	.0149
%RSD	.98172	.03393	.40086	.53490	.19552	.74706	.15015
#1	.40501	9.9737	.41097	.51090	.99743	.05027	9.9249
#2	.41180	9.9669	.40829	.51606	1.0004	.05102	9.9500
#3	.41213	9.9707	.40800	.51512	1.0011	.05076	9.9514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**.20812**	**.51218**	**.51913**	**4.0165**	**50.169**	**1.0070**
Stddev	.00017	.00072	.00282	.00168	.0065	.067	.0013
%RSD	.32098	.34498	.55030	.32445	.16106	.13420	.13012
#1	.05195	.20893	.50922	.52106	4.0109	50.093	1.0085
#2	.05162	.20756	.51483	.51793	4.0151	50.222	1.0067
#3	.05184	.20788	.51247	.51841	4.0236	50.191	1.0059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.199**	**.50782**	**1.0214**	**50.265**	**.51693**	F **-.00220**	**.52486**
Stddev	.014	.00073	.0016	.049	.00211	.00263	.00148
%RSD	.13507	.14377	.15417	.09657	.40905	119.53	.28180
#1	10.208	.50818	1.0225	50.287	.51932	-.00424	.52352
#2	10.206	.50831	1.0223	50.299	.51529	.00077	.52645
#3	10.183	.50698	1.0196	50.210	.51619	-.00313	.52463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:10:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.868**	**10.642**	F **2.7545**	**1.2451**	**.41169**	**5.1812**	**1.0338**
Stddev	10.409	.010	3.7002	.0022	.00108	.0170	.0019
%RSD	87.705	.09159	134.34	.17341	.26232	.32895	.18245
#1	1.4764	10.644	-1.3846	1.2471	.41292	5.1997	1.0360
#2	22.293	10.631	5.7420	1.2455	.41091	5.1662	1.0327
#3	11.833	10.650	3.9060	1.2428	.41124	5.1776	1.0327
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99868**	**1.0084**	**.52745**	**1.0338**	**1.0276**	F **.00113**
Stddev	.00067	.0021	.00098	.0083	.0024	.00015
%RSD	.06747	.20595	.18567	.80791	.23053	13.247
#1	.99802	1.0060	.52852	1.0247	1.0299	.00097
#2	.99937	1.0092	.52724	1.0412	1.0279	.00118
#3	.99865	1.0099	.52659	1.0355	1.0252	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32290.**	**25651.**
Stddev	25.	75.
%RSD	.07667	.29264
#1	32304.	25566.
#2	32262.	25682.
#3	32305.	25706.

Approved: April 07, 2011

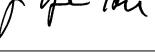
Sample Name: CCB Acquired: 4/6/2011 13:14:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.01196**	**.00052**	**-.00184**	**-.00023**	**.00000**	**-.00519**
Stddev	.00034	.01022	.00058	.00048	.00024	.00002	.00585
%RSD	224.12	85.430	111.57	26.052	105.37	626.20	112.77
#1	-.00027	-.01923	.00087	-.00130	-.00046	.00000	-.00038
#2	-.00042	-.00028	-.00015	-.00202	-.00025	-.00002	-.00349
#3	.00023	-.01638	.00084	-.00221	.00002	.00002	-.01171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00008**	**-.00016**	**-.00016**	**.00112**	**.07249**	**.00017**
Stddev	.00002	.00010	.00005	.00021	.00125	.00745	.00085
%RSD	33.105	119.30	33.691	129.34	111.69	10.280	507.58
#1	-.00006	-.00019	-.00015	-.00014	-.00011	.07980	.00091
#2	-.00005	-.00008	-.00021	-.00038	.00108	.06491	.00034
#3	-.00003	.00001	-.00010	.00004	.00239	.07277	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.00001**	**.00001**	**.00428**	**.00020**	**-.00141**	**-.00027**
Stddev	.01283	.00018	.00013	.00329	.00044	.00108	.00115
%RSD	796.94	3093.3	846.91	76.854	217.20	77.043	422.06
#1	.00941	-.00009	.00015	.00621	.00061	-.00239	.00006
#2	.00145	.00022	-.00002	.00615	.00026	-.00024	-.00155
#3	-.01569	-.00011	-.00009	.00048	-.00026	-.00159	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/6/2011 13:14:04 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.412**	**.02907**	F **2.2552**	**.00069**	**.00090**	**.00041**	**-.00017**
Stddev	18.082	.03237	4.2630	.00122	.00041	.00012	.00024
%RSD	110.18	111.35	189.04	177.93	45.852	30.045	135.28
#1	27.819	.04791	-2.3166	.00034	.00128	.00032	.00007
#2	25.854	-.00831	6.1215	-.00032	.00097	.00035	-.00020
#3	-4.4365	.04762	2.9606	.00205	.00046	.00055	-.00040
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00018**	**-.00043**	**-.00002**	**-.00007**	**-.00003**
Stddev	.00003	.00100	.00078	.00008	.00011	.00007
%RSD	27.112	562.80	182.36	329.08	150.81	201.90
#1	-.00013	.00131	.00041	.00001	-.00006	-.00010
#2	-.00008	-.00024	-.00057	-.00012	.00003	.00004
#3	-.00010	-.00055	-.00112	.00003	-.00019	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32843.**	**25914.**
Stddev	25.	248.
%RSD	.07479	.95656
#1	32859.	26049.
#2	32856.	26065.
#3	32815.	25628.

Approved: April 07, 2011

Sample Name: PBS 7B Acquired: 4/6/2011 13:17:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**-.01739**	**-.00143**	**-.00188**	**.00138**	**.00004**	**.23105**
Stddev	.00068	.00189	.00065	.00038	.00005	.00001	.00641
%RSD	70.002	10.883	45.357	19.942	3.5852	35.481	2.7730
#1	.00152	-.01526	-.00217	-.00148	.00143	.00003	.23839
#2	.00021	-.01805	-.00095	-.00222	.00138	.00006	.22815
#3	.00120	-.01887	-.00117	-.00195	.00133	.00003	.22660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00045**	**.00085**	**.00302**	**.04970**	**.06505**	**-.00016**
Stddev	.00004	.00007	.00043	.00025	.00178	.00494	.00129
%RSD	20.105	14.718	50.077	8.2796	3.5841	7.5918	801.68
#1	.00017	-.00041	.00100	.00294	.04872	.06679	-.00006
#2	.00019	-.00053	.00118	.00281	.05175	.05948	.00108
#3	.00024	-.00041	.00037	.00329	.04861	.06889	-.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07848**	**.00055**	**.00007**	**.06973**	**.00092**	F **-.01159**	**.00086**
Stddev	.01409	.00027	.00009	.01382	.00014	.00027	.00054
%RSD	17.953	49.950	125.31	19.811	15.559	2.3202	62.707
#1	.09472	.00024	.00003	.07000	.00076	-.01182	.00130
#2	.07130	.00076	.00017	.08342	.00103	-.01130	.00104
#3	.06943	.00065	.00001	.05579	.00095	-.01166	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 7B Acquired: 4/6/2011 13:17:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **24.192**	**.84323**	F **-137.89**	**.00203**	**.00117**	**.02305**	**.00121**
Stddev	9.202	.04400	1.67	.00113	.00156	.00031	.00013
%RSD	38.036	5.2186	1.2079	55.407	133.35	1.3518	11.124
#1	33.269	.80585	-138.69	.00193	-.00056	.02306	.00110
#2	24.436	.83210	-135.98	.00096	.00161	.02274	.00116
#3	14.871	.89173	-139.02	.00321	.00246	.02336	.00136
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00110**	**-.00280**	**.00002**	**.00360**	**-.00005**
Stddev	.00002	.00044	.00039	.00013	.00005	.00009
%RSD	13.980	39.756	13.850	589.14	1.4293	200.77
#1	.00019	.00066	-.00283	.00004	.00366	.00000
#2	.00016	.00111	-.00316	.00015	.00356	-.00015
#3	.00014	.00153	-.00239	-.00012	.00357	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32537.**	**25721.**
Stddev	146.	71.
%RSD	.44746	.27622
#1	32518.	25646.
#2	32691.	25729.
#3	32401.	25787.

Approved: April 07, 2011

Sample Name: LCSS 7B Acquired: 4/6/2011 13:21:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19725**	**-.00840**	**.19664**	**-.00275**	**.00156**	**.00008**	**.04800**
Stddev	.00102	.00597	.00153	.00015	.00006	.00001	.00215
%RSD	.51913	71.084	.77671	5.5837	3.5569	11.330	4.4824
#1	.19840	-.01243	.19517	-.00274	.00154	.00008	.04713
#2	.19645	-.01123	.19655	-.00261	.00151	.00009	.05045
#3	.19690	-.00154	.19822	-.00292	.00162	.00007	.04641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02529**	**-.00049**	**.00091**	**.26649**	**.01770**	**.03759**	**.00075**
Stddev	.00005	.00009	.00016	.00156	.00221	.02368	.00191
%RSD	.20208	18.445	17.673	.58554	12.489	62.997	254.52
#1	.02523	-.00053	.00077	.26500	.02011	.05130	.00296
#2	.02532	-.00038	.00087	.26635	.01578	.01025	-.00038
#3	.02533	-.00055	.00108	.26811	.01720	.05122	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02517**	**.26912**	**.00010**	**.05649**	**.00081**	F **-.01045**	**.27203**
Stddev	.00169	.00098	.00004	.00900	.00029	.00148	.00032
%RSD	6.7081	.36552	40.950	15.926	35.525	14.121	.11733
#1	.02400	.26854	.00012	.06575	.00075	-.01157	.27220
#2	.02711	.27025	.00005	.04778	.00056	-.00878	.27222
#3	.02441	.26855	.00013	.05594	.00113	-.01099	.27166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 7B Acquired: 4/6/2011 13:21:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.302**	**.20689**	F **-25.963**	**.00364**	**.00349**	**.01021**	**.00084**
Stddev	18.417	.00206	5.176	.00087	.00176	.00075	.00018
%RSD	178.76	.99563	19.936	23.908	50.542	7.3051	21.994
#1	20.152	.20498	-24.981	.00306	.00275	.00966	.00063
#2	21.700	.20660	-21.349	.00464	.00222	.00991	.00097
#3	-10.945	.20907	-31.560	.00322	.00551	.01106	.00091
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00060**	**-.00185**	**-.00008**	**.00490**	**-.00012**
Stddev	.00004	.00049	.00111	.00018	.00006	.00012
%RSD	107.14	81.969	60.071	241.01	1.2950	97.659
#1	.00001	.00011	-.00311	-.00002	.00492	-.00009
#2	.00002	.00109	-.00104	-.00028	.00483	-.00003
#3	.00008	.00059	-.00139	.00007	.00495	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32471.**	**25689.**
Stddev	51.	200.
%RSD	.15628	.77991
#1	32504.	25907.
#2	32496.	25646.
#3	32412.	25513.

Approved: April 07, 2011

Sample Name: L1103090604 Acquired: 4/6/2011 13:24:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**106.38**	**.08704**	**.09606**	**1.6403**	**.00799**
Stddev	.00025	.43	.00157	.00020	.0060	.00001
%RSD	5.5707	.40048	1.8047	.20575	.36883	.12242
#1	.00432	105.90	.08548	.09627	1.6340	.00798
#2	.00474	106.70	.08863	.09604	1.6461	.00799
#3	.00431	106.56	.08700	.09588	1.6408	.00799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**290.53**	**.00442**	**.09457**	**.14717**	**3.7932**	**190.65**
Stddev	1.12	.00005	.00047	.00034	.0161	.78
%RSD	.38603	1.0627	.49762	.23123	.42381	.40689
#1	289.27	.00437	.09418	.14697	3.7793	189.81
#2	291.40	.00446	.09509	.14756	3.8108	191.33
#3	290.93	.00444	.09444	.14698	3.7894	190.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.888**	**.16743**	**76.268**	**4.6880**	**.03175**	**3.7850**
Stddev	.116	.00098	.378	.0102	.00018	.0142
%RSD	.44623	.58484	.49572	.21694	.56691	.37586
#1	25.764	.16642	75.867	4.6771	.03162	3.7686
#2	25.993	.16837	76.617	4.6894	.03196	3.7933
#3	25.908	.16750	76.321	4.6973	.03168	3.7932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090604 Acquired: 4/6/2011 13:24:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15458**	**6.7960**	**.19715**	F **61.798**	F **767.71**	F **-108640.**
Stddev	.00122	.0290	.00128	6.076	4.15	217.
%RSD	.79115	.42618	.64861	9.8314	.54010	.19996
#1	.15330	6.7667	.19572	61.347	765.19	-108550.
#2	.15573	6.8246	.19817	68.086	772.50	-108880.
#3	.15473	6.7966	.19757	55.960	765.45	-108480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00652**	**.00685**	**1.7738**	**.00585**	**.84988**	**.38647**
Stddev	.00020	.00173	.0077	.00035	.00247	.00058
%RSD	3.0547	25.240	.43488	6.0120	.29110	.14998
#1	.00670	.00788	1.7659	.00544	.84753	.38583
#2	.00655	.00781	1.7813	.00608	.84966	.38660
#3	.00631	.00485	1.7741	.00602	.85246	.38697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00525**	**.27965**	**.62580**	**.06635**
Stddev	.00110	.00057	.00294	.00013
%RSD	20.958	.20294	.46973	.19594
#1	.00557	.27936	.62262	.06647
#2	.00402	.27929	.62843	.06639
#3	.00615	.28030	.62634	.06621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090604 Acquired: 4/6/2011 13:24:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31554.**	**27240.**
Stddev	124.	182.
%RSD	.39190	.66958
#1	31633.	27360.
#2	31412.	27030.
#3	31618.	27331.

Approved: April 07, 2011

Sample Name: L1103090604PS Acquired: 4/6/2011 13:28:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360939-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20332**	**101.71**	**.27322**	**1.0100**	**1.9712**	**.03221**	**270.16**
Stddev	.00098	.44	.00133	.0075	.0040	.00008	.85
%RSD	.48144	.43642	.48683	.73775	.20204	.24839	.31565
#1	.20300	102.21	.27464	1.0083	1.9743	.03213	270.97
#2	.20255	101.35	.27301	1.0035	1.9667	.03222	269.27
#3	.20442	101.58	.27201	1.0181	1.9725	.03229	270.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02855**	**.18097**	**.37771**	**3.6087**	**175.78**	**47.798**	**.63673**
Stddev	.00017	.00064	.00151	.0121	.48	.112	.00091
%RSD	.59881	.35112	.39897	.33564	.27092	.23420	.14322
#1	.02863	.18098	.37698	3.6022	175.89	47.844	.63778
#2	.02835	.18033	.37672	3.6012	175.26	47.670	.63610
#3	.02866	.18160	.37945	3.6227	176.20	47.880	.63632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**74.062**	**4.4958**	**.52187**	**27.797**	**.37787**	**6.1339**	**.41094**
Stddev	.233	.0076	.00083	.091	.00085	.0149	.00202
%RSD	.31439	.16874	.15868	.32673	.22587	.24345	.49062
#1	74.066	4.5002	.52282	27.902	.37773	6.1249	.41032
#2	73.827	4.4870	.52136	27.738	.37710	6.1256	.40931
#3	74.293	4.5000	.52142	27.752	.37879	6.1511	.41319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090604PS Acquired: 4/6/2011 13:28:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360939-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **44.129**	F **688.01**	F **-98805.**	**.58267**	**.19445**	**4.0642**	**.00633**
Stddev	1.964	2.58	61.	.00029	.00345	.0063	.00019
%RSD	4.4497	.37552	.06177	.04924	1.7752	.15586	2.9303
#1	42.930	686.80	-98769.	.58235	.19066	4.0682	.00612
#2	46.395	686.25	-98771.	.58290	.19742	4.0569	.00636
#3	43.061	690.98	-98876.	.58277	.19527	4.0675	.00649
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2511**	**.83132**	**.23657**	**.75041**	**1.0355**	**.06063**
Stddev	.0047	.00149	.00187	.00316	.0029	.00040
%RSD	.37840	.17943	.79169	.42099	.28188	.66174
#1	1.2565	.83142	.23467	.75001	1.0342	.06036
#2	1.2477	.82978	.23661	.74747	1.0335	.06044
#3	1.2490	.83276	.23842	.75375	1.0389	.06109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31662.**	**26938.**
Stddev	88.	146.
%RSD	.27746	.54305
#1	31646.	26812.
#2	31757.	27099.
#3	31584.	26903.

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**22.523**	**.02042**	**.02010**	**.33762**	**.00166**	**62.394**
Stddev	.00032	.175	.00062	.00080	.00109	.00002	.374
%RSD	21.114	.77920	3.0185	3.9638	.32431	1.1595	.59927
#1	.00147	22.454	.01975	.02074	.33685	.00164	62.130
#2	.00123	22.392	.02054	.01921	.33714	.00168	62.230
#3	.00187	22.722	.02097	.02035	.33888	.00165	62.822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.02147**	**.03119**	**.85026**	**40.666**	**5.5636**	**.03647**
Stddev	.00007	.00037	.00037	.01479	.178	.0375	.00062
%RSD	7.2059	1.7449	1.1877	1.7389	.43864	.67334	1.6911
#1	.00087	.02104	.03094	.83335	40.555	5.6041	.03577
#2	.00093	.02161	.03162	.85672	40.572	5.5302	.03694
#3	.00101	.02175	.03101	.86072	40.872	5.5564	.03670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.683**	**.99937**	**.00675**	**.79948**	**.03531**	**1.5747**	**.04632**
Stddev	.064	.00771	.00020	.01109	.00053	.0299	.00087
%RSD	.38367	.77135	2.9715	1.3866	1.4904	1.8996	1.8827
#1	16.619	.99184	.00660	.78837	.03471	1.5403	.04654
#2	16.684	.99901	.00668	.79952	.03565	1.5942	.04707
#3	16.747	1.0072	.00698	.81054	.03559	1.5897	.04536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:31:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.2875**	F **176.70**	F **-25084.**	**.00124**	**.00237**	**.39912**	**.00105**
Stddev	6.9924	2.53	406.	.00046	.00153	.00697	.00024
%RSD	305.67	1.4327	1.6194	36.964	64.855	1.7466	22.493
#1	4.1391	173.81	-24619.	.00107	.00060	.39109	.00094
#2	-9.7337	177.78	-25368.	.00089	.00342	.40262	.00090
#3	-1.2680	178.51	-25265.	.00176	.00308	.40365	.00133
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17666**	**.08091**	**.00211**	**.05748**	**.14209**	**.01330**
Stddev	.00159	.00042	.00079	.00097	.00196	.00018
%RSD	.90202	.52364	37.355	1.6839	1.3769	1.3568
#1	.17512	.08101	.00293	.05685	.13985	.01314
#2	.17655	.08044	.00136	.05860	.14347	.01350
#3	.17830	.08127	.00203	.05701	.14296	.01327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33385.**	**26472.**
Stddev	286.	64.
%RSD	.85740	.24105
#1	33347.	26539.
#2	33119.	26465.
#3	33688.	26412.

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:35:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**4.6935**	**.00490**	**.00170**	**.06946**	**.00033**	**12.941**
Stddev	.00029	.0365	.00070	.00022	.00009	.00003	.050
%RSD	25.837	.77865	14.274	13.029	.12574	8.6734	.38875
#1	.00106	4.6826	.00425	.00145	.06937	.00030	12.898
#2	.00084	4.6637	.00564	.00188	.06946	.00033	12.928
#3	.00141	4.7343	.00481	.00176	.06955	.00036	12.996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00436**	**.00598**	**.17603**	**8.3558**	**1.1346**	**.00770**
Stddev	.00002	.00013	.00008	.00085	.0114	.0212	.00014
%RSD	22.980	2.9385	1.4219	.48330	.13637	1.8648	1.8438
#1	.00008	.00431	.00605	.17523	8.3490	1.1299	.00766
#2	.00008	.00427	.00599	.17594	8.3690	1.1162	.00786
#3	.00005	.00451	.00589	.17692	8.3494	1.1577	.00758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5107**	**.20928**	**.00109**	**.16499**	**.00720**	**.32383**	**.01002**
Stddev	.0048	.00016	.00008	.01097	.00028	.00066	.00052
%RSD	.13582	.07713	7.1692	6.6495	3.8987	.20247	5.2189
#1	3.5072	.20946	.00102	.16532	.00713	.32365	.00942
#2	3.5161	.20918	.00108	.17579	.00751	.32328	.01034
#3	3.5088	.20919	.00118	.15385	.00696	.32456	.01030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090604SDL Acquired: 4/6/2011 13:35:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360939-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.8013**	F **37.664**	F **-5089.3**	**-.00064**	**-.00001**	**.07805**	**.00010**
Stddev	7.5648	.290	34.3	.00034	.00118	.00166	.00021
%RSD	157.56	.76948	.67410	52.675	11261.	2.1256	204.72
#1	11.144	37.355	-5072.4	-.00049	.00018	.07620	.00005
#2	-3.5714	37.708	-5066.6	-.00102	-.00127	.07941	-.00007
#3	6.8313	37.929	-5128.7	-.00040	.00106	.07855	.00033
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		9.0000	9.0000				
Low Limit		-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03701**	**.01686**	**.00142**	**.01171**	**.02930**	**.00207**
Stddev	.00018	.00047	.00039	.00017	.00007	.00005
%RSD	.49201	2.7904	27.416	1.4732	.24749	2.3303
#1	.03692	.01728	.00097	.01156	.02926	.00212
#2	.03689	.01696	.00168	.01190	.02926	.00203
#3	.03722	.01635	.00160	.01166	.02939	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33258.**	**26354.**
Stddev	122.	300.
%RSD	.36559	1.1398
#1	33397.	26695.
#2	33171.	26241.
#3	33207.	26127.

Approved: April 07, 2011

Sample Name: L1103090605 Acquired: 4/6/2011 13:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00544**	**93.335**	**.24941**	**.10891**	**1.4837**	**.00733**	**360.18**
Stddev	.00040	.452	.00178	.00112	.0056	.00006	7.26
%RSD	7.3570	.48435	.71377	1.0265	.38088	.80212	2.0169
#1	.00534	93.511	.24740	.11011	1.4854	.00728	355.52
#2	.00588	93.671	.25079	.10873	1.4882	.00739	368.55
#3	.00510	92.821	.25004	.10789	1.4773	.00733	356.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.09774**	**.14514**	**9.9386**	**172.46**	**27.613**	**.18049**
Stddev	.00004	.00028	.00029	.0207	.72	.135	.00097
%RSD	.34668	.28219	.20052	.20800	.41742	.48957	.53871
#1	.01056	.09797	.14488	9.9211	172.36	27.558	.18098
#2	.01062	.09781	.14509	9.9614	173.22	27.767	.18112
#3	.01062	.09743	.14546	9.9333	171.79	27.514	.17937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.112**	**4.8338**	**.03364**	**2.7148**	**.15355**	**9.8155**	**.59456**
Stddev	.385	.0133	.00051	.0099	.00067	.0112	.00131
%RSD	.51191	.27542	1.5270	.36416	.43901	.11447	.21963
#1	74.818	4.8264	.03370	2.7149	.15432	9.8249	.59428
#2	75.547	4.8492	.03310	2.7247	.15323	9.8186	.59598
#3	74.971	4.8259	.03412	2.7049	.15309	9.8031	.59341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090605 Acquired: 4/6/2011 13:38:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **58.952**	F **550.40**	F **-40719.**	**.01877**	**.00840**	**1.8566**	**.03063**
Stddev	7.558	.30	170.	.00262	.00196	.0017	.00040
%RSD	12.820	.05398	.41826	13.964	23.297	.09255	1.3108
#1	62.713	550.18	-40913.	.01916	.00633	1.8576	.03017
#2	50.252	550.74	-40646.	.01598	.01022	1.8575	.03090
#3	63.891	550.28	-40597.	.02117	.00866	1.8546	.03081
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94706**	**.43243**	**.00515**	**.29242**	**.80813**	**.06878**
Stddev	.00322	.00169	.00062	.00155	.00262	.00003
%RSD	.34040	.39098	12.057	.52989	.32478	.04548
#1	.94919	.43273	.00559	.29064	.80522	.06880
#2	.94864	.43395	.00444	.29350	.80887	.06875
#3	.94335	.43061	.00542	.29311	.81031	.06880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31223.**	**26826.**
Stddev	55.	263.
%RSD	.17563	.98004
#1	31264.	26799.
#2	31160.	26578.
#3	31243.	27102.

Approved: April 07, 2011

Sample Name: L1103090606 Acquired: 4/6/2011 13:42:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**86.915**	**.14461**	**.09830**	**1.4141**	**.00672**	**267.40**
Stddev	.00042	.613	.00285	.00053	.0067	.00002	1.57
%RSD	8.7481	.70546	1.9707	.53520	.47767	.36949	.58712
#1	.00522	86.458	.14675	.09836	1.4108	.00675	266.35
#2	.00442	86.676	.14570	.09774	1.4097	.00672	266.64
#3	.00461	87.612	.14138	.09879	1.4219	.00670	269.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00712**	**.09167**	**.13581**	**6.1187**	**167.21**	**26.276**	**.15147**
Stddev	.00003	.00025	.00023	.0294	.75	.154	.00125
%RSD	.40662	.27295	.17290	.48117	.45144	.58745	.82263
#1	.00715	.09196	.13583	6.1476	166.82	26.198	.15009
#2	.00711	.09155	.13604	6.1197	166.73	26.177	.15181
#3	.00709	.09150	.13557	6.0887	168.08	26.454	.15251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.558**	**4.8770**	**.03113**	**3.3566**	**.14709**	**10.000**	**.38599**
Stddev	.278	.0143	.00017	.0122	.00081	.024	.00031
%RSD	.41154	.29391	.55568	.36400	.54858	.23847	.08081
#1	67.352	4.8714	.03130	3.3456	.14802	10.024	.38603
#2	67.448	4.8663	.03096	3.3544	.14661	10.000	.38627
#3	67.874	4.8933	.03111	3.3698	.14663	9.9765	.38566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090606 Acquired: 4/6/2011 13:42:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **43.495**	F **441.08**	F **-38663.**	**.01268**	**.00917**	**1.9993**	**.02465**
Stddev	5.806	2.02	42.	.00087	.00271	.0152	.00021
%RSD	13.349	.45774	.10865	6.8862	29.596	.75794	.86587
#1	48.320	443.08	-38705.	.01350	.00604	2.0168	.02476
#2	37.051	441.11	-38662.	.01176	.01055	1.9901	.02440
#3	45.115	439.04	-38621.	.01278	.01091	1.9910	.02478
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82212**	**.46514**	**.00404**	**.26599**	**.68469**	**.06539**
Stddev	.00351	.00184	.00059	.00082	.00213	.00025
%RSD	.42753	.39655	14.655	.30748	.31144	.38475
#1	.81936	.46464	.00336	.26540	.68647	.06566
#2	.82092	.46360	.00436	.26565	.68529	.06517
#3	.82608	.46719	.00440	.26692	.68233	.06533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31647.**	**26931.**
Stddev	131.	76.
%RSD	.41420	.28252
#1	31527.	26949.
#2	31626.	26997.
#3	31787.	26848.

Approved: April 07, 2011

Sample Name: L1103090607 Acquired: 4/6/2011 13:45:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**101.87**	**.28954**	**.13685**	**1.6432**	**.00680**	**396.71**
Stddev	.00019	.40	.00188	.00084	.0030	.00005	1.86
%RSD	1.7302	.38945	.64779	.61220	.18213	.68086	.46982
#1	.01109	102.27	.28780	.13736	1.6466	.00680	397.31
#2	.01079	101.85	.29153	.13589	1.6422	.00676	398.20
#3	.01075	101.48	.28931	.13731	1.6409	.00685	394.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01829**	**.11338**	**.22767**	**17.450**	**218.73**	**29.974**	**.20146**
Stddev	.00008	.00048	.00133	.053	.40	.049	.00118
%RSD	.42358	.42157	.58394	.30129	.18361	.16220	.58460
#1	.01828	.11283	.22719	17.389	219.20	30.030	.20251
#2	.01837	.11361	.22664	17.477	218.50	29.944	.20019
#3	.01822	.11369	.22917	17.483	218.50	29.947	.20168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**91.323**	**4.7753**	**.06428**	**3.6508**	**.19244**	**13.466**	**.89077**
Stddev	.170	.0106	.00051	.0154	.00133	.041	.00122
%RSD	.18576	.22096	.78940	.42165	.69101	.30158	.13653
#1	91.517	4.7855	.06438	3.6620	.19095	13.421	.89068
#2	91.206	4.7758	.06473	3.6571	.19350	13.476	.89202
#3	91.245	4.7645	.06373	3.6332	.19286	13.500	.88960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090607 Acquired: 4/6/2011 13:45:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **69.158**	F **758.99**	F **-81086.**	**.02232**	**.01038**	**1.7436**	**.03508**
Stddev	2.125	3.26	106.	.00185	.00400	.0024	.00010
%RSD	3.0726	.42966	.13096	8.2834	38.533	.14053	.28440
#1	67.044	755.22	-80980.	.02113	.00849	1.7438	.03516
#2	71.294	760.93	-81087.	.02445	.00768	1.7410	.03510
#3	69.137	760.82	-81192.	.02139	.01497	1.7459	.03497
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3220**	**.78638**	**.00743**	**.35539**	**1.4084**	**.07479**
Stddev	.0038	.00238	.00134	.00228	.0035	.00053
%RSD	.28714	.30288	17.978	.64259	.24961	.71168
#1	1.3254	.78844	.00625	.35467	1.4063	.07462
#2	1.3228	.78693	.00716	.35355	1.4124	.07436
#3	1.3179	.78377	.00888	.35794	1.4064	.07538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31616.**	**27723.**
Stddev	75.	198.
%RSD	.23572	.71455
#1	31609.	27509.
#2	31546.	27899.
#3	31694.	27762.

Approved: April 07, 2011

Sample Name: L1103090608 Acquired: 4/6/2011 13:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00768**	**80.301**	**.25090**	**.09259**	**1.4430**	**.00598**	**317.37**
Stddev	.00060	.375	.00158	.00062	.0019	.00003	3.05
%RSD	7.7694	.46737	.63004	.67229	.13444	.55183	.96027
#1	.00758	79.887	.25045	.09302	1.4443	.00594	316.15
#2	.00713	80.396	.24959	.09286	1.4408	.00598	320.83
#3	.00832	80.619	.25265	.09187	1.4439	.00601	315.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.08838**	**.16323**	**9.3116**	**147.43**	**27.314**	**.14347**
Stddev	.00008	.00094	.00057	.0793	.32	.080	.00032
%RSD	.72847	1.0655	.34718	.85120	.21467	.29322	.21992
#1	.01028	.08741	.16263	9.2258	147.36	27.222	.14366
#2	.01025	.08843	.16331	9.3268	147.16	27.350	.14311
#3	.01039	.08929	.16376	9.3821	147.78	27.370	.14365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.949**	**4.4135**	**.02953**	**4.4570**	**.15099**	**11.311**	**.47595**
Stddev	.237	.0097	.00019	.0168	.00096	.081	.00134
%RSD	.34322	.21953	.63158	.37794	.63528	.71905	.28179
#1	68.701	4.4067	.02941	4.4376	.14994	11.224	.47467
#2	68.976	4.4093	.02943	4.4660	.15123	11.324	.47582
#3	69.172	4.4246	.02974	4.4675	.15181	11.386	.47735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090608 Acquired: 4/6/2011 13:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **66.826**	F **645.64**	F **-72614.**	**.01782**	**.00681**	**2.2454**	**.02124**
Stddev	1.180	6.46	398.	.00236	.00159	.0199	.00042
%RSD	1.7664	1.0010	.54871	13.238	23.277	.88679	1.9731
#1	68.172	638.49	-72242.	.01534	.00569	2.2236	.02088
#2	66.344	647.37	-72565.	.01810	.00863	2.2500	.02114
#3	65.964	651.06	-73035.	.02003	.00612	2.2626	.02170
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92607**	**.65562**	**.00480**	**.25320**	**.68824**	**.05661**
Stddev	.00228	.00084	.00104	.00121	.00281	.00011
%RSD	.24586	.12763	21.664	.47749	.40849	.19750
#1	.92345	.65613	.00487	.25185	.68500	.05652
#2	.92757	.65466	.00580	.25418	.68967	.05657
#3	.92718	.65608	.00373	.25358	.69004	.05674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31576.**	**28012.**
Stddev	126.	104.
%RSD	.40010	.37213
#1	31706.	28108.
#2	31454.	27901.
#3	31568.	28027.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:52:34 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43046**	**9.6646**	**.42456**	**.52185**	**.96698**	**.05231**	**9.6593**
Stddev	.00083	.0586	.00041	.00064	.00083	.00010	.0251
%RSD	.19243	.60610	.09719	.12339	.08542	.19504	.25947
#1	.43007	9.6929	.42422	.52180	.96628	.05225	9.6771
#2	.43141	9.5973	.42445	.52252	.96675	.05243	9.6306
#3	.42990	9.7037	.42502	.52123	.96789	.05226	9.6701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05324**	**.21563**	**.52065**	**.53731**	**3.9185**	**49.040**	**.99091**
Stddev	.00020	.00054	.00048	.00039	.0047	.028	.00248
%RSD	.36823	.24854	.09239	.07229	.12076	.05783	.25014
#1	.05316	.21503	.52090	.53732	3.9238	49.041	.98816
#2	.05310	.21605	.52095	.53691	3.9168	49.011	.99157
#3	.05347	.21581	.52009	.53769	3.9148	49.067	.99299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.065**	**.50602**	**1.0188**	**49.726**	**.52715**	F **.00230**	**.53082**
Stddev	.033	.00186	.0012	.139	.00093	.00103	.00151
%RSD	.32517	.36845	.11484	.27924	.17726	44.781	.28359
#1	10.053	.50471	1.0197	49.818	.52624	.00162	.52909
#2	10.041	.50520	1.0192	49.566	.52810	.00181	.53153
#3	10.102	.50816	1.0175	49.793	.52711	.00349	.53184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 13:52:34 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7983**	F **11.054**	F **-2.9376**	**1.2699**	**.42672**	**5.2664**	**1.0596**
Stddev	8.4643	.025	4.1573	.0026	.00195	.0017	.0014
%RSD	86.386	.22329	141.52	.20075	.45675	.03160	.13388
#1	16.337	11.032	-1.4744	1.2707	.42665	5.2678	1.0580
#2	12.820	11.049	-7.6287	1.2670	.42481	5.2667	1.0607
#3	.23770	11.081	.29022	1.2719	.42871	5.2646	1.0601
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		10.000	10.000				
Range		10.000%	-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98357**	**.99786**	**.54304**	**1.0650**	**1.0518**	F **.00109**
Stddev	.00231	.00285	.00332	.0029	.0011	.00022
%RSD	.23500	.28517	.61101	.26933	.10472	19.929
#1	.98529	.99657	.54251	1.0623	1.0505	.00116
#2	.98094	.99589	.54003	1.0680	1.0525	.00126
#3	.98448	1.0011	.54660	1.0647	1.0523	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31781.**	**26571.**
Stddev	57.	198.
%RSD	.17994	.74501
#1	31841.	26728.
#2	31776.	26636.
#3	31727.	26349.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 13:55:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.01363**	**-.00036**	**-.00160**	**-.00008**	**.00004**	**-.00913**
Stddev	.00038	.01717	.00029	.00035	.00017	.00003	.00344
%RSD	110.53	125.94	80.895	21.547	199.22	61.576	37.706
#1	.00035	.00061	-.00060	-.00168	-.00022	.00002	-.01138
#2	-.00004	-.03270	-.00004	-.00122	-.00013	.00007	-.00517
#3	.00072	-.00881	-.00043	-.00190	.00010	.00004	-.01084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00002**	**-.00013**	**.00020**	**-.00054**	**.05720**	**.00173**
Stddev	.00006	.00006	.00019	.00027	.00089	.04604	.00185
%RSD	107.92	242.28	149.11	139.14	163.87	80.492	107.30
#1	.00006	.00003	-.00027	.00033	.00047	.10516	.00360
#2	.00000	-.00008	.00009	.00038	-.00119	.01335	.00168
#3	.00012	-.00001	-.00020	-.00012	-.00090	.05309	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00205**	**.00016**	**.00011**	**.00606**	**.00036**	**-.00037**	**-.00061**
Stddev	.01162	.00014	.00010	.00841	.00021	.00290	.00032
%RSD	566.93	88.210	91.054	138.81	57.363	779.43	52.908
#1	.00027	.00009	.00003	.00706	.00044	.00140	-.00025
#2	.00823	.00032	.00007	.01392	.00013	-.00372	-.00070
#3	-.01465	.00007	.00022	-.00281	.00053	.00120	-.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 13:55:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.1541**	**.01271**	F **-2.9517**	**.00098**	**.00099**	**.00091**	**-.00026**
Stddev	12.436	.03639	2.8394	.00094	.00196	.00059	.00023
%RSD	394.29	286.24	96.196	95.598	199.03	65.292	88.991
#1	-8.5486	.00136	-4.2740	.00197	.00207	.00064	-.00015
#2	11.069	-.01665	.30771	.00010	.00217	.00158	-.00010
#3	-11.983	.05343	-4.8887	.00087	-.00128	.00049	-.00053
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00023**	**.00084**	**-.00013**	**-.00008**	**.00005**
Stddev	.00007	.00062	.00010	.00031	.00004	.00008
%RSD	434.88	270.72	11.678	249.68	52.867	154.62
#1	-.00001	-.00065	.00083	.00004	-.00004	.00009
#2	.00010	.00049	.00094	-.00049	-.00013	-.00004
#3	-.00004	-.00053	.00074	.00007	-.00008	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32655.**	**25834.**
Stddev	139.	163.
%RSD	.42643	.63130
#1	32497.	25842.
#2	32762.	25992.
#3	32705.	25666.

Approved: April 07, 2011

Sample Name: L1103090609 Acquired: 4/6/2011 13:59:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00490**	**71.744**	**.15950**	**.12421**	**1.3506**	**.00613**
Stddev	.00036	.317	.00185	.00054	.0026	.00006
%RSD	7.3174	.44194	1.1622	.43685	.19407	.92992
#1	.00530	71.940	.15874	.12475	1.3527	.00607
#2	.00481	71.378	.16161	.12420	1.3477	.00615
#3	.00460	71.913	.15815	.12367	1.3514	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**190.58**	**.00769**	**.07256**	**.10712**	**5.2862**	**144.80**
Stddev	.74	.00006	.00033	.00010	.0039	.17
%RSD	.38915	.73694	.45102	.09421	.07388	.11825
#1	190.94	.00764	.07248	.10701	5.2832	144.79
#2	189.73	.00769	.07291	.10715	5.2906	144.64
#3	191.07	.00775	.07227	.10720	5.2849	144.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.657**	**.11438**	**54.245**	**3.8786**	**.03044**	**5.2505**
Stddev	.100	.00017	.165	.0069	.00009	.0236
%RSD	.36124	.15022	.30358	.17779	.28583	.44996
#1	27.669	.11458	54.112	3.8803	.03036	5.2590
#2	27.552	.11428	54.194	3.8710	.03042	5.2237
#3	27.751	.11428	54.429	3.8845	.03053	5.2686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090609 Acquired: 4/6/2011 13:59:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12203**	**9.0357**	**.35308**	F **53.775**	F **716.64**	F **-122110.**
Stddev	.00087	.0050	.00210	7.758	1.66	53.
%RSD	.71371	.05540	.59590	14.427	.23130	.04323
#1	.12171	9.0300	.35101	62.077	716.03	-122120.
#2	.12301	9.0391	.35522	46.709	718.51	-122170.
#3	.12136	9.0381	.35301	52.539	715.37	-122060.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01216**	**.00725**	**2.5457**	**.01372**	**.68738**	**.45629**
Stddev	.00032	.00044	.0014	.00009	.00303	.00199
%RSD	2.6011	6.1315	.05362	.62729	.44017	.43559
#1	.01192	.00674	2.5445	.01362	.68966	.45803
#2	.01204	.00758	2.5455	.01378	.68395	.45412
#3	.01252	.00741	2.5472	.01375	.68854	.45672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00372**	**.20740**	**.59822**	**.07194**
Stddev	.00024	.00089	.00030	.00014
%RSD	6.5533	.42830	.04998	.19874
#1	.00345	.20658	.59795	.07189
#2	.00380	.20728	.59854	.07210
#3	.00392	.20835	.59816	.07183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090609 Acquired: 4/6/2011 13:59:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31989.**	**27127.**
Stddev	13.	97.
%RSD	.04062	.35927
#1	31997.	27044.
#2	31997.	27234.
#3	31974.	27101.

Approved: April 07, 2011

Sample Name: L1103090610 Acquired: 4/6/2011 14:02:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00345**	**80.507**	**.07588**	**.10277**	**1.5363**	**.00704**	**139.60**
Stddev	.00041	.034	.00098	.00024	.0041	.00006	.05
%RSD	11.976	.04182	1.2874	.23758	.26895	.88085	.03672
#1	.00310	80.538	.07511	.10251	1.5356	.00699	139.54
#2	.00334	80.471	.07698	.10300	1.5407	.00702	139.64
#3	.00391	80.513	.07555	.10279	1.5326	.00711	139.63
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**.08145**	**.11977**	**2.9828**	**159.08**	**30.482**	**.11447**
Stddev	.00004	.00036	.00012	.0144	.29	.064	.00103
%RSD	.83834	.43957	.09952	.48373	.18498	.21008	.90337
#1	.00436	.08109	.11988	2.9704	158.76	30.408	.11378
#2	.00430	.08147	.11965	2.9795	159.34	30.516	.11398
#3	.00436	.08180	.11979	2.9986	159.14	30.521	.11566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**55.591**	**4.5162**	**.02176**	**6.7846**	**.13551**	**10.160**	**.21197**
Stddev	.258	.0221	.00012	.0141	.00102	.047	.00071
%RSD	.46348	.48832	.55427	.20705	.75050	.46178	.33505
#1	55.322	4.4932	.02162	6.7724	.13446	10.137	.21273
#2	55.616	4.5184	.02182	6.7816	.13557	10.129	.21185
#3	55.836	4.5371	.02183	6.8000	.13649	10.214	.21132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090610 Acquired: 4/6/2011 14:02:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.757**	F **401.85**	F **-59585.**	**.00751**	**.00461**	**2.4316**	**.00789**
Stddev	15.248	2.90	179.	.00068	.00088	.0109	.00030
%RSD	28.903	.72234	.30024	9.1252	19.115	.44886	3.8579
#1	43.908	399.03	-59485.	.00811	.00493	2.4216	.00767
#2	70.364	401.69	-59479.	.00676	.00529	2.4299	.00823
#3	43.999	404.83	-59792.	.00764	.00362	2.4432	.00776
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62428**	**.42464**	**.00401**	**.22241**	**.52937**	**.07487**
Stddev	.00073	.00074	.00176	.00069	.00128	.00007
%RSD	.11705	.17522	43.905	.31211	.24211	.08850
#1	.62354	.42383	.00598	.22169	.52852	.07495
#2	.62430	.42530	.00342	.22247	.52875	.07484
#3	.62500	.42478	.00262	.22307	.53085	.07483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32057.**	**27377.**
Stddev	53.	126.
%RSD	.16662	.46062
#1	32046.	27401.
#2	32115.	27489.
#3	32010.	27240.

Approved: April 07, 2011

Sample Name: L1103090611 Acquired: 4/6/2011 14:06:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00625**	**94.743**	**.10726**	**.12020**	**1.4622**	**.00734**	**228.03**
Stddev	.00071	.347	.00111	.00044	.0032	.00001	.65
%RSD	11.284	.36592	1.0382	.36462	.21864	.14248	.28696
#1	.00697	95.035	.10817	.11999	1.4630	.00734	228.62
#2	.00557	94.835	.10759	.11990	1.4650	.00735	228.14
#3	.00621	94.360	.10602	.12070	1.4587	.00733	227.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00680**	**.09173**	**.15298**	**6.6917**	**188.73**	**28.874**	**.15573**
Stddev	.00008	.00034	.00067	.0110	.23	.008	.00007
%RSD	1.1632	.36834	.43742	.16480	.12137	.02809	.04551
#1	.00676	.09175	.15296	6.6915	188.68	28.877	.15566
#2	.00689	.09138	.15232	6.6808	188.98	28.880	.15581
#3	.00676	.09206	.15366	6.7028	188.53	28.865	.15573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**71.845**	**4.4896**	**.02773**	**3.7461**	**.15853**	**9.1703**	**.38268**
Stddev	.095	.0080	.00018	.0218	.00042	.0178	.00173
%RSD	.13205	.17864	.65242	.58265	.26264	.19445	.45095
#1	71.860	4.4959	.02790	3.7686	.15805	9.1711	.38081
#2	71.744	4.4806	.02775	3.7446	.15880	9.1521	.38302
#3	71.932	4.4924	.02754	3.7250	.15873	9.1877	.38421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090611 Acquired: 4/6/2011 14:06:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.621**	F **433.87**	F **-45534.**	**.01435**	**.00662**	**1.8265**	**.02680**
Stddev	7.296	.70	48.	.00236	.00178	.0111	.00021
%RSD	12.885	.16094	.10471	16.460	26.876	.60567	.80020
#1	64.549	433.79	-45506.	.01248	.00693	1.8301	.02661
#2	50.190	433.22	-45506.	.01356	.00471	1.8141	.02703
#3	55.123	434.61	-45589.	.01700	.00823	1.8353	.02675
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70678**	**.45786**	**.00571**	**.28093**	**1.1395**	**.07241**
Stddev	.00333	.00109	.00099	.00032	.0008	.00004
%RSD	.47059	.23771	17.417	.11230	.06912	.05814
#1	.71039	.45866	.00646	.28128	1.1395	.07238
#2	.70613	.45662	.00458	.28085	1.1388	.07245
#3	.70383	.45830	.00610	.28067	1.1403	.07238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31506.**	**27232.**
Stddev	9.	115.
%RSD	.02944	.42172
#1	31506.	27104.
#2	31515.	27328.
#3	31497.	27263.

Approved: April 07, 2011

Sample Name: L1103090612 Acquired: 4/6/2011 14:09:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**91.205**	**.07709**	**.10445**	**1.5912**	**.00731**	**231.77**
Stddev	.00025	.241	.00079	.00057	.0032	.00003	.59
%RSD	5.6005	.26371	1.0249	.54808	.19871	.47822	.25582
#1	.00449	91.228	.07788	.10489	1.5899	.00729	231.61
#2	.00415	90.953	.07630	.10465	1.5890	.00729	231.27
#3	.00463	91.433	.07707	.10380	1.5948	.00735	232.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00466**	**.08814**	**.14046**	**3.9426**	**178.80**	**28.059**	**.14191**
Stddev	.00006	.00030	.00078	.0018	.65	.054	.00203
%RSD	1.2085	.34053	.55638	.04621	.36281	.19365	1.4291
#1	.00461	.08812	.14071	3.9439	178.33	28.054	.14326
#2	.00466	.08785	.14109	3.9405	178.53	28.007	.13958
#3	.00472	.08845	.13959	3.9434	179.54	28.116	.14290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**67.950**	**4.4685**	**.02309**	**5.0074**	**.14964**	**9.6727**	**.22235**
Stddev	.377	.0033	.00007	.0063	.00056	.0149	.00092
%RSD	.55503	.07441	.29371	.12495	.37474	.15430	.41333
#1	67.694	4.4680	.02312	5.0078	.14969	9.6898	.22129
#2	67.773	4.4655	.02314	5.0010	.14906	9.6620	.22297
#3	68.383	4.4721	.02302	5.0135	.15018	9.6665	.22278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090612 Acquired: 4/6/2011 14:09:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.032**	F **472.96**	F **-52868.**	**.01153**	**.00441**	**2.1460**	**.01286**
Stddev	13.516	1.36	85.	.00092	.00095	.0052	.00012
%RSD	25.976	.28826	.16129	8.0055	21.552	.24196	.93540
#1	48.352	474.02	-52952.	.01061	.00335	2.1466	.01280
#2	67.006	471.42	-52782.	.01151	.00467	2.1405	.01299
#3	40.736	473.46	-52871.	.01245	.00520	2.1509	.01277
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74598**	**.44991**	**.00549**	**.25955**	**.67238**	**.06891**
Stddev	.00149	.00136	.00094	.00035	.00007	.00017
%RSD	.19924	.30277	17.162	.13501	.01114	.25266
#1	.74768	.45120	.00646	.25929	.67246	.06872
#2	.74493	.44849	.00458	.25942	.67232	.06896
#3	.74533	.45004	.00542	.25995	.67236	.06905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31636.**	**27402.**
Stddev	55.	275.
%RSD	.17399	1.0042
#1	31578.	27463.
#2	31640.	27642.
#3	31688.	27102.

Approved: April 07, 2011

Sample Name: L1103090613 Acquired: 4/6/2011 14:13:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00649**	**62.581**	**.13996**	**.09093**	**1.2858**	**.00640**
Stddev	.00017	.553	.00103	.00062	.0029	.00001
%RSD	2.5982	.88389	.73686	.68185	.22402	.12166
#1	.00644	63.131	.14069	.09022	1.2890	.00640
#2	.00635	62.588	.14040	.09136	1.2851	.00639
#3	.00667	62.024	.13878	.09121	1.2834	.00640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**318.25**	**.01089**	**.07731**	**.10629**	**9.4731**	**121.07**
Stddev	2.79	.00007	.00021	.00065	.0389	.17
%RSD	.87698	.66001	.26820	.61184	.41043	.13802
#1	316.48	.01094	.07731	.10695	9.5178	121.23
#2	321.47	.01092	.07752	.10565	9.4471	121.09
#3	316.81	.01081	.07711	.10626	9.4544	120.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.858**	**.10582**	**49.027**	**3.9950**	**.03663**	**7.8047**
Stddev	.087	.00113	.104	.0027	.00003	.0422
%RSD	.38263	1.0721	.21112	.06647	.08432	.54052
#1	22.957	.10706	48.908	3.9920	.03659	7.8503
#2	22.826	.10554	49.078	3.9962	.03664	7.7968
#3	22.791	.10484	49.095	3.9969	.03665	7.7670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090613 Acquired: 4/6/2011 14:13:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11531**	**9.5081**	**.43630**	F **54.426**	F **816.93**	F **-107400.**
Stddev	.00066	.0242	.00029	7.407	3.72	289.
%RSD	.57180	.25444	.06655	13.608	.45555	.26886
#1	.11546	9.5360	.43632	62.474	821.22	-107700.
#2	.11587	9.4931	.43600	47.896	814.58	-107120.
#3	.11458	9.4953	.43658	52.908	814.99	-107370.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01325**	**.01015**	**2.4801**	**.01878**	**.93721**	**.40033**
Stddev	.00112	.00203	.0110	.00016	.00580	.00134
%RSD	8.4567	19.961	.44492	.82988	.61866	.33377
#1	.01220	.01235	2.4917	.01892	.94320	.40103
#2	.01311	.00971	2.4698	.01861	.93681	.39879
#3	.01443	.00837	2.4788	.01882	.93162	.40117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00282**	**.20574**	**1.9647**	**.06104**
Stddev	.00025	.00015	.0014	.00005
%RSD	9.0205	.07438	.07087	.07906
#1	.00311	.20557	1.9662	.06106
#2	.00272	.20578	1.9645	.06098
#3	.00263	.20587	1.9634	.06107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090613 Acquired: 4/6/2011 14:13:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31859.**	**28151.**
Stddev	96.	60.
%RSD	.30178	.21307
#1	31775.	28174.
#2	31839.	28083.
#3	31964.	28197.

Approved: April 07, 2011

Sample Name: L1103090614 Acquired: 4/6/2011 14:16:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00483**	**81.826**	**.10377**	**.09395**	**1.3949**	**.00694**	**110.41**
Stddev	.00028	.527	.00062	.00070	.0084	.00001	.58
%RSD	5.7967	.64396	.59413	.74141	.59923	.12204	.52233
#1	.00486	81.244	.10402	.09386	1.3874	.00693	109.83
#2	.00453	81.963	.10307	.09469	1.3933	.00694	110.39
#3	.00509	82.271	.10422	.09330	1.4039	.00695	110.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00508**	**.08488**	**.12808**	**5.2551**	**162.13**	**26.708**	**.12096**
Stddev	.00000	.00011	.00025	.0059	.92	.186	.00023
%RSD	.04701	.13097	.19299	.11277	.56912	.69477	.18921
#1	.00508	.08480	.12800	5.2516	161.24	26.547	.12107
#2	.00508	.08501	.12835	5.2619	162.07	26.667	.12070
#3	.00508	.08485	.12788	5.2517	163.09	26.911	.12112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.408**	**4.5382**	**.02099**	**5.1722**	**.14182**	**8.2166**	**.23798**
Stddev	.297	.0130	.00014	.0256	.00030	.0046	.00065
%RSD	.50883	.28576	.65197	.49426	.21153	.05609	.27272
#1	58.086	4.5233	.02084	5.1447	.14184	8.2218	.23725
#2	58.464	4.5442	.02100	5.1765	.14211	8.2129	.23817
#3	58.673	4.5470	.02111	5.1953	.14151	8.2152	.23851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090614 Acquired: 4/6/2011 14:16:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **47.682**	F **218.81**	F **-24203.**	**.01022**	**.00466**	**2.0823**	**.01643**
Stddev	2.874	.40	77.	.00041	.00128	.0028	.00030
%RSD	6.0275	.18441	.31654	4.0069	27.373	.13569	1.7973
#1	45.695	218.88	-24127.	.01040	.00565	2.0805	.01673
#2	50.977	219.17	-24280.	.00975	.00322	2.0856	.01614
#3	46.373	218.38	-24203.	.01051	.00511	2.0808	.01644
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.56045**	**.44630**	**.00480**	**.23178**	**.68641**	**.06736**
Stddev	.00203	.00244	.00101	.00051	.00046	.00017
%RSD	.36248	.54595	21.119	.22142	.06731	.24736
#1	.55830	.44363	.00550	.23132	.68662	.06750
#2	.56073	.44688	.00364	.23233	.68673	.06740
#3	.56233	.44840	.00527	.23168	.68588	.06718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32401.**	**27658.**
Stddev	54.	70.
%RSD	.16795	.25281
#1	32394.	27723.
#2	32351.	27669.
#3	32459.	27584.

Approved: April 07, 2011

Sample Name: L1103090615 Acquired: 4/6/2011 14:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**102.09**	**.24749**	**.13954**	**1.7818**	**.00759**	**392.87**
Stddev	.00065	.76	.00278	.00046	.0065	.00008	5.77
%RSD	10.104	.74223	1.1230	.32624	.36367	.99524	1.4690
#1	.00575	101.51	.25058	.13903	1.7790	.00767	387.45
#2	.00642	102.95	.24669	.13968	1.7892	.00753	398.94
#3	.00705	101.82	.24520	.13990	1.7771	.00757	392.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.11734**	**.16793**	**8.1702**	**205.93**	**30.642**	**.20754**
Stddev	.00018	.00205	.00258	.1387	.95	.176	.00113
%RSD	1.8833	1.7494	1.5341	1.6978	.46153	.57583	.54362
#1	.01001	.11969	.17085	8.3300	205.24	30.484	.20724
#2	.00965	.11588	.16599	8.0812	207.02	30.832	.20879
#3	.00975	.11646	.16695	8.0994	205.55	30.611	.20659
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.716**	**5.2892**	**.05154**	**2.9234**	**.18233**	**11.516**	**.45500**
Stddev	.569	.0141	.00127	.0241	.00294	.206	.00918
%RSD	.61318	.26573	2.4698	.82292	1.6123	1.7925	2.0179
#1	92.154	5.2791	.05300	2.9018	.18563	11.754	.46557
#2	93.291	5.3053	.05085	2.9493	.18135	11.403	.45038
#3	92.702	5.2833	.05075	2.9190	.18000	11.391	.44904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090615 Acquired: 4/6/2011 14:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.218**	F **591.36**	F **-38514.**	**.01528**	**.00949**	**3.2143**	**.05408**
Stddev	5.784	10.48	694.	.00231	.00158	.0564	.00077
%RSD	10.289	1.7729	1.8024	15.094	16.671	1.7533	1.4168
#1	53.124	603.46	-39308.	.01582	.01131	3.2793	.05495
#2	52.639	585.35	-38214.	.01726	.00863	3.1848	.05381
#3	62.891	585.25	-38020.	.01275	.00852	3.1789	.05349
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2824**	**.66675**	**.00724**	**.37424**	**1.0960**	**.06662**
Stddev	.0056	.00168	.00118	.00251	.0216	.00049
%RSD	.44089	.25223	16.289	.67099	1.9724	.73131
#1	1.2792	.66487	.00786	.37706	1.1208	.06716
#2	1.2889	.66810	.00588	.37224	1.0863	.06622
#3	1.2791	.66729	.00799	.37342	1.0809	.06648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31095.**	**27520.**
Stddev	437.	189.
%RSD	1.4050	.68757
#1	30590.	27664.
#2	31339.	27306.
#3	31354.	27592.

Approved: April 07, 2011

Sample Name: L1103090616 Acquired: 4/6/2011 14:23:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**135.58**	**.22397**	**.14946**	**2.8321**	**.01403**	**618.68**
Stddev	.00053	.83	.00179	.00031	.0032	.00007	8.76
%RSD	14.545	.61196	.80046	.20889	.11351	.47505	1.4161
#1	.00407	134.83	.22382	.14955	2.8357	.01397	626.77
#2	.00305	135.44	.22583	.14972	2.8310	.01410	619.91
#3	.00376	136.47	.22225	.14912	2.8295	.01403	609.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**.14628**	**.23137**	**5.6716**	**221.48**	**27.846**	**.37812**
Stddev	.00003	.00059	.00181	.0199	.17	.086	.00170
%RSD	.40744	.40529	.78223	.35176	.07642	.30910	.44935
#1	.00799	.14610	.22998	5.6627	221.34	27.777	.37659
#2	.00798	.14694	.23342	5.6944	221.43	27.819	.37995
#3	.00804	.14580	.23073	5.6576	221.67	27.943	.37784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.20**	**7.8351**	**.03307**	**7.1785**	**.23519**	**7.8130**	**.39981**
Stddev	.57	.0149	.00022	.0421	.00064	.0266	.00154
%RSD	.45557	.19015	.65716	.58678	.27215	.34010	.38417
#1	124.72	7.8198	.03287	7.1393	.23469	7.8089	.39832
#2	125.04	7.8360	.03330	7.1730	.23591	7.8414	.39971
#3	125.83	7.8495	.03303	7.2231	.23498	7.7887	.40139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090616 Acquired: 4/6/2011 14:23:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.385**	F **852.88**	F **-38239.**	**.01323**	**.00949**	**1.8711**	**.03960**
Stddev	9.090	3.70	143.	.00144	.00010	.0043	.00060
%RSD	10.646	.43371	.37330	10.914	1.0479	.23070	1.5261
#1	84.855	849.79	-38182.	.01165	.00947	1.8668	.03949
#2	76.572	856.98	-38401.	.01448	.00960	1.8711	.03906
#3	94.729	851.89	-38133.	.01355	.00941	1.8755	.04025
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1500**	**.30954**	**.01400**	**.72573**	**.96622**	**.08741**
Stddev	.0095	.00121	.00160	.00343	.00356	.00046
%RSD	.44219	.39141	11.455	.47209	.36837	.52939
#1	2.1409	.30814	.01441	.72223	.96218	.08694
#2	2.1494	.31019	.01537	.72908	.96889	.08786
#3	2.1599	.31030	.01224	.72586	.96758	.08744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31738.**	**29278.**
Stddev	133.	195.
%RSD	.41825	.66656
#1	31871.	29382.
#2	31606.	29398.
#3	31738.	29052.

Approved: April 07, 2011

Sample Name: L1103090617 Acquired: 4/6/2011 14:26:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00541**	**83.101**	**.28212**	**.10614**	**1.5315**	**.00650**	**345.11**
Stddev	.00015	.645	.00186	.00097	.0113	.00001	2.78
%RSD	2.8403	.77656	.66042	.91405	.73598	.21975	.80427
#1	.00535	83.814	.28050	.10694	1.5445	.00651	348.23
#2	.00530	82.556	.28170	.10506	1.5241	.00649	342.89
#3	.00559	82.934	.28416	.10643	1.5260	.00651	344.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00865**	**.09350**	**.14033**	**6.2937**	**169.26**	**31.837**	**.14515**
Stddev	.00002	.00044	.00009	.0130	.90	.185	.00089
%RSD	.22329	.47510	.06226	.20632	.53273	.58085	.61525
#1	.00867	.09299	.14035	6.2883	170.29	32.044	.14614
#2	.00863	.09382	.14041	6.3085	168.60	31.688	.14441
#3	.00865	.09367	.14023	6.2843	168.90	31.779	.14490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**73.551**	**4.8087**	**.03139**	**2.4095**	**.15362**	**12.992**	**.36847**
Stddev	.261	.0135	.00025	.0211	.00013	.018	.00137
%RSD	.35482	.28051	.78637	.87526	.08595	.14035	.37129
#1	73.801	4.8232	.03113	2.4292	.15375	12.996	.36788
#2	73.280	4.7965	.03163	2.3872	.15348	13.008	.37003
#3	73.571	4.8063	.03142	2.4119	.15364	12.972	.36749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090617 Acquired: 4/6/2011 14:26:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **52.782**	F **529.36**	F **-37628.**	**.01779**	**.00981**	**2.7526**	**.02899**
Stddev	5.347	1.35	77.	.00147	.00219	.0041	.00003
%RSD	10.131	.25551	.20414	8.2389	22.353	.14875	.11255
#1	50.218	529.00	-37645.	.01613	.01107	2.7492	.02902
#2	58.929	530.86	-37694.	.01833	.01108	2.7571	.02900
#3	49.200	528.23	-37544.	.01890	.00728	2.7514	.02896
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1839**	**.63009**	**.00521**	**.28924**	**.77954**	**.05281**
Stddev	.0073	.00393	.00056	.00074	.00046	.00017
%RSD	.61848	.62312	10.814	.25604	.05884	.33108
#1	1.1918	.63458	.00489	.28893	.77925	.05272
#2	1.1774	.62835	.00586	.29008	.78007	.05301
#3	1.1824	.62733	.00487	.28870	.77931	.05270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31493.**	**27463.**
Stddev	30.	121.
%RSD	.09403	.43957
#1	31527.	27334.
#2	31474.	27484.
#3	31478.	27572.

Approved: April 07, 2011

Sample Name: L1103090618 Acquired: 4/6/2011 14:30:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**107.56**	**.19850**	**.13332**	**1.9858**	**.00871**	**387.31**
Stddev	.00067	1.27	.00049	.00465	.0222	.00002	8.14
%RSD	7.9839	1.1800	.24855	3.4905	1.1166	.26139	2.1013
#1	.00913	107.45	.19891	.13458	1.9842	.00868	392.16
#2	.00795	108.87	.19796	.13722	2.0087	.00872	391.85
#3	.00799	106.34	.19864	.12817	1.9645	.00873	377.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00878**	**.11618**	**.19242**	**9.5891**	**233.27**	**31.138**	**.21672**
Stddev	.00007	.00026	.00102	.0110	6.21	.334	.00195
%RSD	.80831	.22043	.53265	.11417	2.6605	1.0713	.89771
#1	.00879	.11631	.19143	9.5844	235.43	31.113	.21565
#2	.00885	.11635	.19234	9.5812	238.12	31.484	.21897
#3	.00871	.11589	.19348	9.6016	226.28	30.818	.21554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.517**	**5.8447**	**.03453**	**3.3014**	**.19717**	**13.901**	**.47571**
Stddev	1.257	.0711	.00026	.0341	.00031	.013	.00202
%RSD	1.3026	1.2165	.73979	1.0339	.15730	.09564	.42560
#1	96.726	5.8429	.03457	3.2914	.19702	13.913	.47341
#2	97.656	5.9167	.03426	3.3395	.19696	13.887	.47649
#3	95.168	5.7746	.03476	3.2735	.19752	13.903	.47723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090618 Acquired: 4/6/2011 14:30:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **75.206**	F **625.12**	F **-51973.**	**.01359**	**.00739**	**2.8342**	**.04031**
Stddev	11.976	.50	78.	.00093	.00091	.0023	.00023
%RSD	15.924	.07941	.14947	6.8629	12.300	.08019	.55960
#1	63.466	625.48	-52043.	.01266	.00790	2.8356	.04006
#2	74.750	624.55	-51987.	.01360	.00793	2.8316	.04039
#3	87.404	625.32	-51889.	.01452	.00634	2.8354	.04049
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4199**	**.66927**	**.00986**	**.44650**	**1.1150**	**.07926**
Stddev	.0158	.00700	.00080	.00190	.0025	.00026
%RSD	1.1115	1.0458	8.1170	.42528	.22098	.32981
#1	1.4166	.66813	.00901	.44526	1.1156	.07905
#2	1.4370	.67677	.01059	.44556	1.1172	.07956
#3	1.4060	.66291	.01000	.44869	1.1123	.07918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32115.**	**28524.**
Stddev	18.	635.
%RSD	.05677	2.2268
#1	32122.	28019.
#2	32094.	28316.
#3	32129.	29237.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 14:34:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42793**	**9.7216**	**.41809**	**.52542**	**.97934**	**.05178**	**9.6937**
Stddev	.00226	.0452	.00157	.00212	.00127	.00012	.0384
%RSD	.52731	.46452	.37496	.40373	.12932	.22430	.39646
#1	.42893	9.7729	.41634	.52738	.98077	.05191	9.7380
#2	.42951	9.7042	.41855	.52571	.97835	.05173	9.6706
#3	.42534	9.6878	.41937	.52317	.97890	.05169	9.6724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05290**	**.21298**	**.51716**	**.53354**	**3.9727**	**49.382**	**1.0005**
Stddev	.00007	.00026	.00196	.00127	.0191	.169	.0029
%RSD	.12461	.12263	.37899	.23810	.48177	.34234	.28923
#1	.05292	.21296	.51929	.53501	3.9947	49.575	1.0035
#2	.05283	.21324	.51544	.53276	3.9602	49.313	.99776
#3	.05296	.21272	.51674	.53286	3.9632	49.258	1.0002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.175**	**.50946**	**1.0235**	**49.590**	**.52554**	F **-.00017**	**.53044**
Stddev	.062	.00135	.0011	.230	.00020	.00075	.00206
%RSD	.61353	.26535	.11056	.46471	.03725	429.87	.38832
#1	10.236	.51022	1.0222	49.848	.52532	.00065	.53275
#2	10.177	.51026	1.0243	49.516	.52570	-.00082	.52976
#3	10.111	.50790	1.0241	49.405	.52560	-.00035	.52880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 14:34:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.4466**	**10.946**	F **-4.2198**	**1.2631**	**.42122**	**5.2245**	**1.0530**
Stddev	7.1370	.024	6.0505	.0044	.00190	.0010	.0008
%RSD	207.08	.22182	143.38	.34622	.45051	.01914	.07080
#1	-1.8345	10.918	-10.404	1.2648	.41982	5.2238	1.0537
#2	.60809	10.960	-3.9431	1.2581	.42048	5.2256	1.0522
#3	11.566	10.959	1.6875	1.2664	.42338	5.2240	1.0532
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98277**	**1.0051**	**.54037**	**1.0668**	**1.0492**	F **.00123**
Stddev	.00359	.0007	.00076	.0023	.0008	.00016
%RSD	.36506	.06575	.14099	.21854	.07527	13.449
#1	.98671	1.0057	.54066	1.0686	1.0501	.00105
#2	.98191	1.0051	.53951	1.0676	1.0487	.00137
#3	.97969	1.0044	.54095	1.0641	1.0487	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32202.**	**26465.**
Stddev	66.	268.
%RSD	.20567	1.0129
#1	32219.	26163.
#2	32257.	26562.
#3	32128.	26672.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 14:37:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.02987**	**-.00050**	**-.00254**	**-.00023**	**.00004**	**-.01399**
Stddev	.00049	.01270	.00051	.00014	.00006	.00001	.00520
%RSD	88.015	42.528	102.13	5.7095	27.539	33.838	37.136
#1	.00059	-.01685	-.00087	-.00264	-.00016	.00005	-.01767
#2	.00102	-.04223	-.00071	-.00237	-.00029	.00003	-.00805
#3	.00005	-.03053	.00008	-.00260	-.00023	.00003	-.01626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00013**	**-.00040**	**-.00003**	**-.00228**	**.05711**	**.00087**
Stddev	.00005	.00004	.00044	.00057	.00210	.04655	.00130
%RSD	280.45	32.806	109.65	1842.1	92.367	81.514	148.85
#1	.00003	-.00017	.00010	.00061	-.00322	.09445	.00234
#2	-.00004	-.00009	-.00057	-.00023	.00013	.07191	-.00010
#3	.00006	-.00012	-.00074	-.00048	-.00375	.00495	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00726**	**-.00012**	**.00007**	**.00591**	**-.00022**	**-.00139**	**-.00070**
Stddev	.00425	.00013	.00017	.00467	.00041	.00086	.00042
%RSD	58.600	113.25	253.70	78.937	186.25	62.020	59.695
#1	.00253	-.00025	.00022	.00703	.00008	-.00229	-.00029
#2	.00847	-.00010	.00010	.00992	-.00069	-.00058	-.00112
#3	.01077	.00001	-.00012	.00079	-.00005	-.00130	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 14:37:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.4151**	**.03048**	F **-7.7516**	**.00107**	**.00084**	**.00061**	**-.00009**
Stddev	4.0578	.03315	5.0146	.00102	.00297	.00011	.00015
%RSD	63.254	108.76	64.691	95.250	355.22	18.305	176.35
#1	1.7672	.02288	-3.0690	.00078	.00391	.00057	-.00004
#2	9.2524	.00179	-7.1430	.00023	-.00202	.00074	.00004
#3	8.2258	.06676	-13.043	.00221	.00061	.00052	-.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00035**	**.00005**	**.00009**	**-.00010**	**-.00006**
Stddev	.00007	.00064	.00056	.00018	.00002	.00009
%RSD	75.196	181.58	1058.0	192.50	16.190	145.86
#1	-.00003	-.00031	.00034	-.00008	-.00008	.00000
#2	-.00007	.00097	.00042	.00009	-.00009	-.00016
#3	-.00017	.00039	-.00059	.00027	-.00011	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32789.**	**26641.**
Stddev	140.	205.
%RSD	.42704	.76843
#1	32906.	26522.
#2	32826.	26877.
#3	32634.	26523.

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:41:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**-.02474**	F **-.01907**	**.01989**	**-.00009**	**-.00007**	**.00996**
Stddev	.00032	.01003	.00114	.00104	.00028	.00001	.00130
%RSD	35.386	40.537	5.9938	5.2523	291.61	20.560	13.045
#1	-.00110	-.02544	-.02008	.02081	-.00023	-.00006	.01144
#2	-.00111	-.01438	-.01930	.02010	-.00028	-.00009	.00942
#3	-.00054	-.03439	-.01783	.01875	.00022	-.00007	.00902
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.01000				

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00244**	**53.322**	**.00016**	F **-.05627**	**.01100**	**.00129**
Stddev	.00002	.00005	.672	.00032	.00177	.02570	.00104
%RSD	10.521	2.1112	1.2602	207.62	3.1511	233.64	80.727
#1	-.00023	-.00238	54.088	.00044	-.05773	.03755	.00056
#2	-.00020	-.00248	52.829	.00023	-.05678	-.01375	.00248
#3	-.00020	-.00245	53.050	-.00020	-.05430	.00920	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					900.00		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**.00462**	**.00241**	**.00047**	**-.00167**	**.01989**	**.01050**
Stddev	.00734	.00002	.00025	.00508	.00019	.00106	.00031
%RSD	96.631	.38622	10.174	1079.1	11.336	5.3271	2.9687
#1	.00365	.00463	.00223	.00406	-.00164	.01869	.01055
#2	.00308	.00463	.00232	-.00534	-.00188	.02030	.01017
#3	.01607	.00460	.00269	.00269	-.00150	.02069	.01078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:41:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.48249**	**.00367**	F **-55.408**	**.37029**	**-.00136**	**.01112**	**-.00226**
Stddev	12.586	.01051	3.147	.00706	.00163	.00040	.00021
%RSD	2608.6	286.62	5.6791	1.9062	119.46	3.6190	9.4029
#1	-14.585	.00625	-56.134	.36429	-.00041	.01080	-.00203
#2	3.5260	-.00789	-58.128	.37807	-.00044	.01157	-.00230
#3	9.6111	.01265	-51.962	.36852	-.00325	.01100	-.00245
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00298**	**-.00690**	F **-.07561**	F **-.03075**	F **-.00678**
Stddev	.00012	.00048	.00153	.00052	.00011	.00009
%RSD	78.066	16.194	22.207	.69277	.34230	1.3333
#1	.00030	-.00244	-.00803	-.07611	-.03085	-.00684
#2	.00005	-.00335	-.00751	-.07565	-.03078	-.00683
#3	.00013	-.00317	-.00516	-.07507	-.03064	-.00668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				90.000	45.000	45.000
Low Limit				-.01000	-.01000	-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31362.**	**27024.**
Stddev	54.	109.
%RSD	.17322	.40259
#1	31347.	26901.
#2	31422.	27109.
#3	31316.	27062.

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:44:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**-.01212**	**-.00369**	**.00104**	**-.00021**	**.00002**	**-.00193**
Stddev	.00017	.00647	.00115	.00020	.00009	.00001	.00525
%RSD	42.056	53.360	31.232	19.085	43.681	35.453	272.27
#1	-.00023	-.00735	-.00414	.00085	-.00022	.00001	-.00068
#2	-.00039	-.01949	-.00454	.00103	-.00029	.00003	-.00769
#3	-.00056	-.00954	-.00238	.00125	-.00011	.00002	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00031**	**10.500**	**.00015**	**-.01082**	**.02078**	**.00188**
Stddev	.00003	.00010	.005	.00011	.00132	.01655	.00079
%RSD	19.826	31.578	.05199	75.329	12.213	79.681	41.968
#1	-.00015	-.00022	10.502	.00008	-.01056	.01769	.00103
#2	-.00020	-.00029	10.494	.00009	-.01225	.00598	.00204
#3	-.00014	-.00041	10.504	.00027	-.00965	.03866	.00259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00266**	**.00083**	**.00037**	**.00509**	**-.00047**	**.00783**	**.00181**
Stddev	.00705	.00016	.00011	.00151	.00006	.00327	.00030
%RSD	265.05	19.346	30.987	29.555	13.568	41.736	16.604
#1	.00553	.00093	.00026	.00366	-.00041	.00923	.00155
#2	.00781	.00064	.00036	.00495	-.00054	.01017	.00214
#3	-.00537	.00092	.00049	.00666	-.00047	.00410	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103050476 Acquired: 4/6/2011 14:44:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.452**	**.02077**	F **-12.187**	**.06821**	**-.00054**	**-.00125**	**-.00083**
Stddev	8.393	.01559	4.053	.00082	.00199	.00084	.00028
%RSD	54.317	75.052	33.257	1.2070	371.03	67.230	33.417
#1	6.2242	.02157	-11.236	.06824	-.00015	-.00040	-.00081
#2	17.501	.03595	-8.6940	.06901	.00123	-.00128	-.00111
#3	22.631	.00480	-16.631	.06737	-.00269	-.00208	-.00056
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00043**	**-.00082**	F **-.01431**	**-.00471**	**-.00105**
Stddev	.00003	.00116	.00083	.00002	.00004	.00005
%RSD	4.0078	272.64	100.47	.13509	.76956	4.4364
#1	.00063	.00088	-.00178	-.01430	-.00468	-.00103
#2	.00067	-.00134	-.00041	-.01430	-.00475	-.00103
#3	.00062	-.00081	-.00028	-.01433	-.00471	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33199.**	**27105.**
Stddev	61.	142.
%RSD	.18444	.52472
#1	33146.	26948.
#2	33266.	27225.
#3	33185.	27143.

Approved: April 07, 2011

Sample Name: L1103050487 Acquired: 4/6/2011 14:48:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00895**	**.00208**	**-.00246**	**.00012**	**-.00005**	**.00239**
Stddev	.00067	.01835	.00115	.00072	.00009	.00003	.00197
%RSD	5609.0	204.92	55.257	29.232	75.340	55.219	82.460
#1	.00058	.01147	.00089	-.00176	.00004	-.00002	.00467
#2	-.00073	-.02404	.00217	-.00242	.00009	-.00008	.00128
#3	.00018	-.01428	.00318	-.00319	.00021	-.00006	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00010**	**.00041**	**.00055**	**-.00261**	**.00864**	**.00611**
Stddev	.00014	.00021	.00024	.00048	.00072	.01972	.00177
%RSD	13.144	204.97	56.742	87.832	27.662	228.11	29.031
#1	.00098	.00010	.00064	.00110	-.00200	-.00994	.00693
#2	.00119	.00032	.00017	.00030	-.00241	.00654	.00733
#3	.00093	-.00011	.00044	.00024	-.00340	.02932	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1049.3**	F **-.00907**	**-.00014**	**.00535**	**-.00041**	**.01186**	**-.00058**
Stddev	9.1	.00044	.00006	.00517	.00027	.00246	.00127
%RSD	.87052	4.8005	44.410	96.680	66.919	20.715	218.12
#1	1050.1	-.00955	-.00008	.00072	-.00018	.01030	-.00034
#2	1039.9	-.00869	-.00020	.00440	-.00071	.01469	.00055
#3	1058.1	-.00898	-.00014	.01093	-.00033	.01059	-.00195
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	900.00	180.00					
Low Limit	-.10000	-.00300					

Approved: April 07, 2011

Sample Name: L1103050487 Acquired: 4/6/2011 14:48:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.941**	**.27385**	F **-50.831**	**-.00141**	**-.00208**	**-.00658**	**-.00010**
Stddev	8.901	.02813	6.869	.00090	.00127	.00070	.00008
%RSD	68.779	10.271	13.514	63.782	61.374	10.632	81.307
#1	2.9791	.29543	-57.420	-.00244	-.00334	-.00578	-.00002
#2	15.732	.28407	-51.360	-.00105	-.00209	-.00694	-.00009
#3	20.111	.24204	-43.712	-.00075	-.00080	-.00703	-.00019
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00003**	**.00089**	**-.00049**	**.00237**	**-.00012**
Stddev	.00002	.00042	.00016	.00017	.00004	.00007
%RSD	35.476	1408.4	18.063	34.154	1.4907	59.912
#1	-.00004	-.00023	.00105	-.00065	.00241	-.00006
#2	-.00007	-.00019	.00088	-.00050	.00234	-.00010
#3	-.00009	.00051	.00073	-.00032	.00236	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**29498.**	**25532.**
Stddev	207.	162.
%RSD	.70246	.63382
#1	29318.	25535.
#2	29452.	25693.
#3	29725.	25369.

Approved: April 07, 2011

Sample Name: L1103090619 Acquired: 4/6/2011 14:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00988**	**109.55**	**.26790**	**.17996**	**1.8563**	**.00705**
Stddev	.00051	.23	.00144	.00203	.0045	.00002
%RSD	5.1653	.20806	.53655	1.1304	.24386	.27083
#1	.00990	109.46	.26651	.17762	1.8586	.00707
#2	.00936	109.37	.26938	.18114	1.8592	.00703
#3	.01038	109.81	.26782	.18114	1.8511	.00705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**405.85**	**.01559**	**.11624**	**.20948**	**12.383**	**273.34**
Stddev	2.02	.00006	.00052	.00168	.059	3.28
%RSD	.49877	.38713	.44527	.80374	.47767	1.1990
#1	405.76	.01553	.11638	.20946	12.424	269.57
#2	403.87	.01565	.11668	.21117	12.410	274.92
#3	407.92	.01559	.11567	.20780	12.315	275.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.661**	**.20180**	**91.340**	**5.0154**	**.06252**	**3.5471**
Stddev	.057	.00098	.489	.0131	.00044	.0267
%RSD	.13595	.48559	.53531	.26167	.70184	.75287
#1	41.613	.20276	90.800	5.0030	.06302	3.5584
#2	41.648	.20184	91.465	5.0140	.06231	3.5166
#3	41.724	.20080	91.754	5.0292	.06222	3.5663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090619 Acquired: 4/6/2011 14:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20070**	**16.810**	**.65518**	F **68.798**	F **905.43**	F **-109680.**
Stddev	.00113	.061	.00170	3.074	3.25	206.
%RSD	.56152	.36167	.25893	4.4674	.35905	.18814
#1	.20155	16.859	.65689	71.520	907.25	-109840.
#2	.20113	16.828	.65514	69.409	907.37	-109760.
#3	.19942	16.742	.65350	65.465	901.68	-109450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01870**	**.01175**	**3.3956**	**.09954**	**4.1796**	**.91492**
Stddev	.00174	.00402	.0040	.00015	.1073	.00134
%RSD	9.2846	34.208	.11730	.15423	2.5682	.14631
#1	.02008	.01626	3.3995	.09937	4.0557	.91517
#2	.01928	.00856	3.3959	.09962	4.2364	.91348
#3	.01675	.01042	3.3915	.09965	4.2465	.91612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00947**	**.40748**	**1.8610**	**.07741**
Stddev	.00082	.00201	.0078	.00011
%RSD	8.6607	.49335	.42027	.13842
#1	.00928	.40962	1.8676	.07749
#2	.01037	.40719	1.8630	.07729
#3	.00876	.40563	1.8524	.07745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090619 Acquired: 4/6/2011 14:52:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31052.**	**28037.**
Stddev	166.	130.
%RSD	.53314	.46351
#1	30912.	28177.
#2	31011.	28013.
#3	31235.	27921.

Approved: April 07, 2011

Sample Name: L1103090620S Acquired: 4/6/2011 14:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20412**	**109.28**	**.45010**	**.18047**	**1.8069**	**.00664**
Stddev	.00071	.85	.00247	.00329	.0033	.00003
%RSD	.34918	.78147	.54893	1.8212	.18503	.41966
#1	.20333	108.74	.45001	.18227	1.8056	.00663
#2	.20472	108.84	.45262	.17668	1.8044	.00667
#3	.20430	110.27	.44768	.18247	1.8107	.00661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**394.82**	**.03905**	**.10963**	**.21159**	**11.798**	**267.42**
Stddev	5.23	.00007	.00036	.00210	.025	4.39
%RSD	1.3236	.17157	.33249	.99247	.20855	1.6418
#1	394.78	.03908	.10998	.21371	11.811	268.93
#2	389.61	.03909	.10966	.21153	11.813	262.48
#3	400.06	.03897	.10926	.20951	11.769	270.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.041**	**.19954**	**88.413**	**5.0713**	**.06293**	**3.6016**
Stddev	.204	.00100	.428	.0136	.00030	.0281
%RSD	.48480	.49988	.48437	.26835	.47406	.77933
#1	41.918	.19922	88.204	5.0598	.06260	3.5806
#2	41.930	.20066	88.128	5.0679	.06318	3.5906
#3	42.277	.19874	88.905	5.0863	.06300	3.6335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090620S Acquired: 4/6/2011 14:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19479**	**16.790**	**.86434**	F **87.407**	F **892.16**	F **-108860.**
Stddev	.00010	.040	.00046	5.576	2.63	34.
%RSD	.05370	.24003	.05324	6.3793	.29481	.03161
#1	.19488	16.796	.86388	81.819	893.71	-108850.
#2	.19468	16.826	.86480	87.433	893.65	-108900.
#3	.19481	16.746	.86434	92.970	889.13	-108830.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01633**	**.01250**	**3.5911**	**.10126**	**4.0025**	**.98719**
Stddev	.00073	.00084	.0021	.00060	.0862	.00068
%RSD	4.4524	6.7215	.05797	.59079	2.1527	.06911
#1	.01664	.01184	3.5893	.10147	3.9558	.98656
#2	.01550	.01222	3.5934	.10059	3.9498	.98709
#3	.01685	.01345	3.5907	.10172	4.1019	.98791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01013**	**.41037**	**2.0263**	**.07384**
Stddev	.00098	.00163	.0021	.00017
%RSD	9.6907	.39818	.10367	.22441
#1	.01009	.40896	2.0253	.07403
#2	.00917	.41216	2.0287	.07374
#3	.01113	.41000	2.0249	.07375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090620S Acquired: 4/6/2011 14:55:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31315.**	**28682.**
Stddev	83.	194.
%RSD	.26662	.67592
#1	31252.	28685.
#2	31284.	28874.
#3	31410.	28487.

Approved: April 07, 2011

Sample Name: L1103090621SD Acquired: 4/6/2011 14:59:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**97.944**	**.42906**	**.16868**	**1.6918**	**.00639**
Stddev	.00092	.968	.00294	.00098	.0143	.00001
%RSD	.44577	.98802	.68546	.57940	.84400	.16522
#1	.20720	99.041	.43245	.16919	1.7067	.00638
#2	.20548	97.213	.42737	.16755	1.6783	.00640
#3	.20578	97.577	.42734	.16929	1.6905	.00638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**375.62**	**.03780**	**.10477**	**.19697**	**10.447**	**258.94**
Stddev	5.60	.00008	.00035	.00178	.024	2.47
%RSD	1.4896	.20845	.33285	.90370	.23055	.95246
#1	381.35	.03789	.10517	.19844	10.471	261.42
#2	370.17	.03774	.10459	.19499	10.423	256.49
#3	375.35	.03779	.10454	.19747	10.446	258.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**38.294**	**.18257**	**80.947**	**4.7302**	**.05902**	**3.4989**
Stddev	.279	.00103	.553	.0278	.00033	.0255
%RSD	.72983	.56574	.68268	.58790	.55872	.72986
#1	38.599	.18374	81.518	4.7573	.05896	3.5274
#2	38.051	.18213	80.415	4.7017	.05872	3.4909
#3	38.231	.18182	80.909	4.7317	.05937	3.4783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090621SD Acquired: 4/6/2011 14:59:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17950**	**16.840**	**.83752**	F **84.519**	F **884.29**	F **-110050.**
Stddev	.00116	.018	.00235	11.245	1.47	61.
%RSD	.64745	.10638	.28044	13.304	.16600	.05505
#1	.18083	16.851	.83993	95.961	885.46	-110080.
#2	.17901	16.820	.83739	84.112	882.64	-109980.
#3	.17866	16.850	.83524	73.482	884.77	-110080.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01684**	**.01115**	**4.0482**	**.10412**	**3.5822**	**.89182**
Stddev	.00095	.00232	.0030	.00022	.0434	.00481
%RSD	5.6272	20.795	.07476	.20976	1.2124	.53896
#1	.01710	.00859	4.0515	.10409	3.5752	.89727
#2	.01764	.01175	4.0474	.10435	3.5427	.88821
#3	.01579	.01312	4.0456	.10391	3.6287	.88997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01106**	**.40145**	**2.0165**	**.06637**
Stddev	.00098	.00134	.0031	.00020
%RSD	8.8544	.33473	.15301	.30230
#1	.01218	.40299	2.0193	.06660
#2	.01056	.40051	2.0132	.06625
#3	.01042	.40086	2.0171	.06626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090621SD Acquired: 4/6/2011 14:59:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360443-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31519.**	**29136.**
Stddev	35.	377.
%RSD	.11158	1.2942
#1	31479.	28704.
#2	31547.	29399.
#3	31531.	29305.

Approved: April 07, 2011

Sample Name: L1103090622 Acquired: 4/6/2011 15:03:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00740**	**111.38**	**.13754**	**.14452**	**1.8486**	**.00770**	**404.72**
Stddev	.00067	.82	.00142	.00090	.0078	.00001	5.91
%RSD	9.1170	.73620	1.0325	.61954	.42192	.13656	1.4592
#1	.00809	110.69	.13592	.14550	1.8475	.00770	407.40
#2	.00674	112.29	.13855	.14431	1.8569	.00769	408.80
#3	.00736	111.16	.13816	.14375	1.8415	.00771	397.95
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00790**	**.12090**	**.25061**	**5.9880**	**233.76**	**38.041**	**.20788**
Stddev	.00012	.00022	.00097	.0103	1.12	.166	.00099
%RSD	1.4589	.17910	.38654	.17132	.47990	.43668	.47523
#1	.00788	.12075	.25097	5.9952	233.60	37.902	.20674
#2	.00779	.12079	.24951	5.9763	234.96	38.225	.20843
#3	.00802	.12115	.25134	5.9925	232.73	37.996	.20846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**94.878**	**5.3339**	**.03676**	**2.9527**	**.22731**	**13.254**	**.40478**
Stddev	.506	.0156	.00018	.0183	.00065	.005	.00137
%RSD	.53356	.29162	.50301	.61855	.28598	.03696	.33962
#1	94.395	5.3196	.03667	2.9349	.22747	13.259	.40543
#2	95.405	5.3505	.03697	2.9714	.22786	13.249	.40320
#3	94.835	5.3314	.03663	2.9519	.22659	13.254	.40570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090622 Acquired: 4/6/2011 15:03:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.902**	F **690.25**	F **-60805.**	**.01196**	**.00805**	**2.4941**	**.05220**
Stddev	5.889	1.19	111.	.00148	.00150	.0007	.00045
%RSD	6.2711	.17224	.18279	12.344	18.650	.02803	.86258
#1	91.300	691.27	-60804.	.01231	.00633	2.4946	.05272
#2	100.64	688.94	-60917.	.01324	.00872	2.4933	.05190
#3	89.763	690.53	-60694.	.01034	.00909	2.4943	.05198
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8031**	**.87485**	**.00975**	**.40354**	**1.0476**	**.06572**
Stddev	.0052	.00243	.00101	.00085	.0014	.00025
%RSD	.28538	.27787	10.377	.21041	.13562	.38255
#1	1.7987	.87254	.00860	.40380	1.0487	.06596
#2	1.8087	.87739	.01051	.40260	1.0460	.06546
#3	1.8018	.87462	.01014	.40423	1.0481	.06575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31498.**	**29175.**
Stddev	81.	211.
%RSD	.25860	.72211
#1	31440.	29248.
#2	31591.	28937.
#3	31462.	29339.

Approved: April 07, 2011

Sample Name: L1103090623 Acquired: 4/6/2011 15:07:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**113.63**	**.20146**	**.14378**	**1.4962**	**.00702**	**271.83**
Stddev	.00074	.38	.00120	.00234	.0029	.00001	.80
%RSD	7.1216	.33625	.59444	1.6285	.19268	.11106	.29487
#1	.01117	114.05	.20259	.14334	1.4952	.00702	272.46
#2	.01000	113.30	.20020	.14169	1.4940	.00702	270.93
#3	.00980	113.55	.20160	.14631	1.4995	.00701	272.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01256**	**.12674**	**.25128**	**9.9240**	**264.14**	**38.962**	**.20513**
Stddev	.00007	.00029	.00071	.0270	4.30	.088	.00052
%RSD	.52259	.22695	.28292	.27182	1.6295	.22509	.25469
#1	.01257	.12667	.25183	9.9551	262.29	38.983	.20570
#2	.01249	.12705	.25048	9.9105	261.06	38.866	.20468
#3	.01262	.12649	.25154	9.9065	269.06	39.038	.20500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**99.060**	**5.0631**	**.06820**	**2.6067**	**.21531**	**14.785**	**.49176**
Stddev	.459	.0149	.00018	.0089	.00053	.026	.00142
%RSD	.46342	.29341	.26060	.34216	.24541	.17305	.28864
#1	99.037	5.0668	.06823	2.6118	.21583	14.813	.49019
#2	98.613	5.0468	.06837	2.5964	.21534	14.762	.49216
#3	99.530	5.0758	.06801	2.6119	.21477	14.782	.49294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090623 Acquired: 4/6/2011 15:07:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.975**	F **573.63**	F **-65578.**	**.01600**	**.01212**	**2.5344**	**.07268**
Stddev	3.219	1.34	59.	.00182	.00109	.0035	.00018
%RSD	3.7436	.23304	.08933	11.405	9.0249	.13953	.25418
#1	85.782	574.99	-65644.	.01596	.01334	2.5369	.07285
#2	89.285	573.60	-65532.	.01784	.01179	2.5360	.07270
#3	82.857	572.32	-65560.	.01419	.01123	2.5304	.07248
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93795**	**.97928**	**.01055**	**.41278**	**2.1113**	**.06729**
Stddev	.00203	.00301	.00093	.00152	.0029	.00025
%RSD	.21690	.30769	8.7898	.36776	.13545	.36761
#1	.94013	.98071	.00983	.41347	2.1144	.06747
#2	.93610	.97582	.01022	.41104	2.1088	.06701
#3	.93762	.98132	.01159	.41383	2.1107	.06739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31698.**	**28899.**
Stddev	31.	185.
%RSD	.09735	.64153
#1	31685.	28778.
#2	31676.	29112.
#3	31733.	28806.

Approved: April 07, 2011

Sample Name: L1103090624 Acquired: 4/6/2011 15:10:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00702**	**88.889**	**.14621**	**.10310**	**1.4343**	**.00674**	**299.82**
Stddev	.00043	.545	.00049	.00115	.0060	.00003	3.01
%RSD	6.0550	.61299	.33444	1.1174	.41483	.49104	1.0045
#1	.00662	89.454	.14642	.10428	1.4410	.00677	303.10
#2	.00698	88.845	.14565	.10304	1.4324	.00676	299.16
#3	.00747	88.367	.14656	.10198	1.4296	.00671	297.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00813**	**.12894**	**.17113**	**6.1409**	**185.15**	**28.842**	**.15938**
Stddev	.00002	.00023	.00046	.0123	.83	.127	.00168
%RSD	.29751	.18002	.26604	.20065	.44629	.43986	1.0543
#1	.00810	.12875	.17088	6.1301	186.10	28.986	.15744
#2	.00815	.12920	.17165	6.1543	184.67	28.794	.16026
#3	.00813	.12888	.17085	6.1382	184.67	28.746	.16044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**77.715**	**4.8515**	**.02898**	**2.3648**	**.17157**	**13.791**	**.36606**
Stddev	.370	.0140	.00011	.0137	.00015	.017	.00186
%RSD	.47638	.28931	.36935	.58024	.08994	.12318	.50753
#1	78.088	4.8660	.02887	2.3683	.17146	13.774	.36526
#2	77.348	4.8379	.02898	2.3764	.17150	13.808	.36473
#3	77.709	4.8506	.02908	2.3496	.17175	13.792	.36818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090624 Acquired: 4/6/2011 15:10:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **76.928**	F **448.74**	F **-28954.**	**.01419**	**.00881**	**3.3389**	**.03481**
Stddev	9.784	.90	43.	.00049	.00290	.0060	.00015
%RSD	12.718	.20110	.14832	3.4267	32.924	.17892	.42440
#1	65.721	448.19	-28908.	.01467	.00964	3.3324	.03465
#2	81.298	449.78	-28993.	.01420	.01120	3.3441	.03495
#3	83.765	448.24	-28961.	.01370	.00558	3.3403	.03484
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95429**	**.71138**	**.00696**	**.33515**	**.95768**	**.05055**
Stddev	.00461	.00231	.00171	.00033	.00082	.00006
%RSD	.48281	.32426	24.523	.09952	.08523	.11561
#1	.95903	.71404	.00839	.33513	.95737	.05053
#2	.95401	.71005	.00507	.33482	.95861	.05061
#3	.94983	.71005	.00741	.33549	.95706	.05050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31679.**	**28618.**
Stddev	49.	337.
%RSD	.15598	1.1789
#1	31677.	28232.
#2	31631.	28852.
#3	31730.	28772.

Approved: April 07, 2011

Sample Name: L1103090625 Acquired: 4/6/2011 15:14:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**108.11**	**.18415**	**.14082**	**1.8611**	**.00722**	**510.97**
Stddev	.00084	.35	.00131	.00281	.0041	.00004	7.85
%RSD	8.2377	.32489	.71381	1.9942	.22013	.57505	1.5362
#1	.00985	107.73	.18567	.14402	1.8567	.00723	511.40
#2	.00965	108.41	.18330	.13876	1.8647	.00717	518.59
#3	.01120	108.20	.18349	.13969	1.8621	.00725	502.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01223**	**.12611**	**.20037**	**10.391**	**238.05**	**32.910**	**.24089**
Stddev	.00003	.00038	.00078	.038	5.20	.041	.00121
%RSD	.20829	.29849	.38705	.36599	2.1849	.12569	.50388
#1	.01220	.12655	.20106	10.435	243.75	32.867	.23971
#2	.01225	.12593	.20052	10.376	233.57	32.914	.24213
#3	.01223	.12586	.19953	10.363	236.81	32.949	.24081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**105.72**	**5.0958**	**.07321**	**2.6819**	**.21965**	**13.355**	**.66871**
Stddev	.29	.0044	.00035	.0083	.00082	.054	.00384
%RSD	.27728	.08628	.48162	.31009	.37134	.40659	.57386
#1	105.67	5.0911	.07359	2.6805	.22038	13.414	.67266
#2	105.45	5.0967	.07313	2.6908	.21877	13.344	.66848
#3	106.03	5.0997	.07290	2.6744	.21980	13.308	.66500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090625 Acquired: 4/6/2011 15:14:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.194**	F **819.74**	F **-61124.**	**.01425**	**.00840**	**4.3645**	**.04956**
Stddev	6.232	3.37	291.	.00093	.00318	.0199	.00031
%RSD	7.4907	.41050	.47687	6.5379	37.874	.45526	.62205
#1	77.656	823.46	-61453.	.01532	.00974	4.3874	.04990
#2	81.984	816.92	-61021.	.01382	.01070	4.3524	.04947
#3	89.942	818.82	-60898.	.01361	.00477	4.3536	.04930
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2383**	**.95309**	**.00982**	**.41122**	**1.9930**	**.07237**
Stddev	.0074	.00254	.00056	.00250	.0107	.00071
%RSD	.33110	.26636	5.6757	.60854	.53735	.98111
#1	2.2307	.95107	.01045	.41344	2.0052	.07315
#2	2.2455	.95226	.00942	.40850	1.9886	.07177
#3	2.2386	.95594	.00957	.41171	1.9851	.07217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31099.**	**28745.**
Stddev	106.	293.
%RSD	.33930	1.0182
#1	30989.	28459.
#2	31107.	29044.
#3	31200.	28731.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:17:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42479**	**9.7112**	**.41938**	**.52173**	**.97733**	**.05161**	**9.7369**
Stddev	.00057	.1143	.00166	.00201	.00971	.00013	.0936
%RSD	.13365	1.1769	.39606	.38551	.99397	.25954	.96164
#1	.42516	9.5881	.41746	.52226	.96817	.05169	9.6347
#2	.42414	9.7315	.42041	.51951	.97631	.05146	9.7575
#3	.42507	9.8140	.42027	.52343	.98751	.05168	9.8186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05292**	**.21353**	**.51938**	**.53401**	**3.9603**	**49.211**	**.99143**
Stddev	.00017	.00049	.00139	.00078	.0369	.497	.00899
%RSD	.31282	.23050	.26774	.14539	.93250	1.0098	.90676
#1	.05292	.21297	.51936	.53350	3.9297	48.683	.98138
#2	.05275	.21380	.51800	.53362	3.9500	49.280	.99422
#3	.05308	.21383	.52078	.53490	4.0013	49.670	.99870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.064**	**.50589**	**1.0033**	**49.062**	**.52267**	F **-.00170**	**.52870**
Stddev	.104	.00474	.0019	.510	.00138	.00033	.00020
%RSD	1.0373	.93627	.18905	1.0398	.26334	19.714	.03829
#1	9.9484	.50087	1.0023	48.506	.52140	-.00132	.52884
#2	10.093	.50653	1.0022	49.172	.52247	-.00184	.52878
#3	10.151	.51028	1.0055	49.509	.52413	-.00194	.52847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:17:54 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.480**	**10.765**	F **15.976**	**1.2844**	**.42379**	F **2.3285**	**1.0562**
Stddev	4.656	.030	1.076	.0091	.00181	.0056	.0030
%RSD	21.673	.27425	6.7344	.71039	.42774	.24054	.28215
#1	26.229	10.734	17.025	1.2749	.42181	2.3258	1.0536
#2	21.288	10.767	16.029	1.2854	.42419	2.3248	1.0555
#3	16.924	10.793	14.875	1.2931	.42537	2.3350	1.0594
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98547**	**1.0049**	**.54020**	**1.0486**	**1.0313**	F **.00103**
Stddev	.01031	.0086	.00315	.0028	.0026	.00012
%RSD	1.0465	.85819	.58337	.26652	.24699	11.494
#1	.97439	.99583	.53676	1.0506	1.0294	.00097
#2	.98724	1.0057	.54088	1.0454	1.0304	.00095
#3	.99479	1.0130	.54295	1.0498	1.0342	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32545.**	**27101.**
Stddev	129.	380.
%RSD	.39749	1.4026
#1	32658.	27540.
#2	32572.	26889.
#3	32404.	26874.

Approved: April 07, 2011

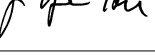
Sample Name: CCB Acquired: 4/6/2011 15:21:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.02481**	**-.00040**	**-.00282**	**-.00015**	**.00003**	**.00110**
Stddev	.00028	.00428	.00018	.00072	.00006	.00001	.00555
%RSD	198.78	17.257	45.271	25.550	41.921	28.952	503.98
#1	-.00045	-.02821	-.00060	-.00220	-.00013	.00003	.00196
#2	-.00003	-.02000	-.00033	-.00361	-.00009	.00002	-.00483
#3	.00007	-.02623	-.00026	-.00264	-.00021	.00003	.00617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00010**	**-.00043**	**-.00022**	**.00092**	**.09549**	**.00048**
Stddev	.00003	.00011	.00027	.00060	.00121	.03643	.00181
%RSD	292.51	101.83	62.744	272.79	130.70	38.153	378.16
#1	-.00001	.00002	-.00012	.00028	.00021	.08762	-.00146
#2	.00002	-.00018	-.00062	-.00005	.00232	.13522	.00214
#3	-.00004	-.00015	-.00054	-.00088	.00025	.06364	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01040**	**-.00009**	**.00018**	**.00312**	**.00014**	**-.00097**	**.00010**
Stddev	.00768	.00022	.00020	.00295	.00035	.00211	.00077
%RSD	73.868	248.18	113.45	94.524	249.57	216.31	751.38
#1	.01077	.00005	.00039	.00375	.00017	.00085	.00084
#2	.01789	.00002	-.00001	-.00009	.00047	-.00328	.00018
#3	.00254	-.00034	.00015	.00571	-.00022	-.00049	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/6/2011 15:21:14 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.0014**	**.02653**	F **-3.2820**	**.00073**	**-.00054**	**.00074**	**.00013**
Stddev	5.4380	.01312	6.9805	.00077	.00205	.00120	.00014
%RSD	77.670	49.449	212.69	106.38	378.36	162.38	112.85
#1	7.8598	.03913	-11.228	.00140	-.00205	.00019	-.00002
#2	11.959	.02751	-.4800	.00089	-.00138	-.00009	.00027
#3	1.1853	.01295	1.8622	-.00012	.00180	.00212	.00013
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00022**	**-.00028**	**-.00026**	**.00000**	**.00004**
Stddev	.00013	.00053	.00025	.00019	.0000	.00003
%RSD	1858.9	243.65	88.530	70.618	1008.6	74.899
#1	.00010	-.00002	-.00029	-.00046	.00004	.00005
#2	.00003	-.00015	-.00052	-.00009	-.00005	.00001
#3	-.00015	.00082	-.00003	-.00024	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32819.**	**26582.**
Stddev	86.	146.
%RSD	.26161	.54888
#1	32721.	26591.
#2	32884.	26431.
#3	32850.	26723.

Approved: April 07, 2011

Sample Name: PBS B2 Acquired: 4/6/2011 15:24:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.02800**	**-.00077**	**-.00378**	**-.00008**	**.00004**	**-.00258**
Stddev	.00017	.00613	.00049	.00037	.00013	.00002	.00538
%RSD	98.224	21.881	62.862	9.8620	161.00	40.553	208.53
#1	.00000	-.02100	-.00130	-.00388	-.00012	.00004	.00313
#2	.00018	-.03239	-.00069	-.00337	.00006	.00006	-.00332
#3	.00034	-.03062	-.00034	-.00409	-.00017	.00003	-.00755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00025**	**.00015**	**-.00008**	**.01439**	**.11399**	**.00179**
Stddev	.00002	.00011	.00031	.00079	.00069	.01663	.00111
%RSD	22.208	45.014	208.94	980.76	4.7742	14.585	61.840
#1	.00008	-.00027	.00016	.00054	.01386	.09828	.00064
#2	.00010	-.00035	-.00016	-.00096	.01517	.13140	.00188
#3	.00006	-.00013	.00045	.00018	.01416	.11230	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00952**	**-.00016**	**.00017**	**.01161**	**.00031**	**-.00378**	**-.00008**	
Stddev	.01420	.00023	.00010	.00692	.00023	.00267	.00060
%RSD	149.20	144.73	59.101	59.617	74.649	70.649	760.26
#1	.01705	.00002	.00020	.01914	.00052	-.00683	.00053
#2	-.00686	-.00007	.00006	.00551	.00033	-.00271	-.00067
#3	.01836	-.00042	.00026	.01019	.00006	-.00182	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: PBS B2 Acquired: 4/6/2011 15:24:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.561**	**1.4351**	F **-315.25**	**.00172**	**.00070**	**.00794**	**-.00011**
Stddev	8.949	.0364	4.18	.00009	.00120	.00075	.00028
%RSD	77.411	2.5393	1.3271	5.2244	171.74	9.4021	265.11
#1	18.430	1.4059	-318.36	.00161	-.00060	.00830	.00019
#2	1.4402	1.4759	-310.49	.00178	.00175	.00844	-.00014
#3	14.812	1.4235	-316.90	.00176	.00095	.00708	-.00037
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00027**	**-.00149**	**-.00017**	**.00154**	**-.00004**
Stddev	.00004	.00067	.00006	.00023	.00004	.00022
%RSD	86.572	244.70	3.9789	130.18	2.7944	504.18
#1	-.00001	-.00025	-.00143	-.00034	.00152	.00021
#2	-.00008	.00102	-.00154	.00008	.00151	-.00014
#3	-.00003	.00004	-.00150	-.00026	.00158	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32840.**	**26902.**
Stddev	143.	38.
%RSD	.43621	.14021
#1	32998.	26918.
#2	32804.	26859.
#3	32719.	26928.

Approved: April 07, 2011

Sample Name: LCSS B2 Acquired: 4/6/2011 15:28:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**4.7256**	**.19695**	**.92908**	**.47716**	**.02532**	**4.7081**
Stddev	.00167	.0082	.00059	.00280	.00168	.00006	.0061
%RSD	.81176	.17364	.30002	.30184	.35131	.23233	.12885
#1	.20443	4.7225	.19654	.92645	.47687	.02538	4.7012
#2	.20625	4.7349	.19669	.93203	.47896	.02526	4.7106
#3	.20778	4.7195	.19763	.92876	.47565	.02532	4.7125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02529**	**.10690**	**.25452**	**.26026**	**1.9209**	**23.916**	**.48531**
Stddev	.00003	.00010	.00121	.00097	.0129	.059	.00232
%RSD	.10112	.09308	.47399	.37227	.66881	.24795	.47839
#1	.02532	.10681	.25591	.25978	1.9126	23.850	.48507
#2	.02527	.10689	.25375	.25962	1.9357	23.965	.48774
#3	.02529	.10701	.25391	.26137	1.9144	23.932	.48311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.9533**	**.24970**	**.50592**	**24.349**	**.25837**	F **-.00697**	**.25784**
Stddev	.0221	.00070	.00102	.029	.00047	.00325	.00075
%RSD	.44506	.28108	.20201	.11936	.18167	46.583	.29040
#1	4.9280	.24955	.50701	24.357	.25812	-.00345	.25760
#2	4.9689	.24908	.50576	24.316	.25808	-.00985	.25723
#3	4.9629	.25046	.50498	24.373	.25891	-.00760	.25867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS B2 Acquired: 4/6/2011 15:28:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.588**	**5.3851**	F **-17.648**	**.59732**	**.19686**	**2.5875**	**.51849**
Stddev	13.057	.0259	4.474	.00109	.00215	.0035	.00295
%RSD	89.509	.48150	25.351	.18247	1.0944	.13483	.56892
#1	29.086	5.4149	-22.177	.59818	.19564	2.5870	.52155
#2	3.7558	5.3676	-17.536	.59610	.19560	2.5843	.51566
#3	10.921	5.3728	-13.231	.59769	.19935	2.5912	.51825
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48172**	**.49431**	**.26076**	**.52652**	**.50263**	**.00062**
Stddev	.00088	.00163	.00284	.00197	.00073	.00004
%RSD	.18275	.33062	1.0903	.37427	.14515	6.5499
#1	.48272	.49290	.26220	.52493	.50323	.00061
#2	.48108	.49610	.25748	.52873	.50182	.00059
#3	.48135	.49392	.26259	.52590	.50283	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31438.**	**25859.**
Stddev	49.	40.
%RSD	.15566	.15549
#1	31398.	25894.
#2	31424.	25868.
#3	31493.	25815.

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:31:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	F **909.44**	**-.00679**	**.00053**	**-.00038**	**-.00006**	**.01490**
Stddev	.00021	18.74	.00148	.00049	.00008	.00001	.00708
%RSD	116.54	2.0609	21.759	92.464	21.399	12.232	47.525
#1	.00043	920.54	-.00682	.00101	-.00047	-.00005	.00907
#2	.00002	919.97	-.00530	.00003	-.00038	-.00007	.02278
#3	.00011	887.80	-.00826	.00056	-.00030	-.00007	.01285
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		810.00					
Low Limit		-.10000					

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00071**	**-.00011**	**-.00037**	**.00049**	**.15539**	**.00044**
Stddev	.00011	.00016	.00024	.00049	.00101	.07070	.00080
%RSD	76.111	22.746	230.51	132.05	204.54	45.501	180.03
#1	-.00009	.00080	-.00017	-.00044	-.00054	.23702	.00136
#2	-.00008	.00081	.00017	-.00083	.00054	.11357	-.00008
#3	-.00028	.00052	-.00031	.00015	.00149	.11557	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01115**	**.00305**	**.00050**	**.01456**	**-.00361**	**.07537**	**.01119**
Stddev	.00772	.00041	.00016	.00158	.00019	.00635	.00404
%RSD	69.257	13.396	32.198	10.870	5.1718	8.4253	36.063
#1	.00667	.00305	.00052	.01289	-.00364	.08092	.01068
#2	.00671	.00264	.00065	.01473	-.00379	.07676	.00744
#3	.02007	.00346	.00033	.01604	-.00342	.06844	.01546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:31:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.238**	**1.0423**	F **-197.24**	**-.00732**	F **-.02159**	**-.00436**	**-.00119**
Stddev	8.741	.0604	5.88	.00078	.00568	.00143	.00015
%RSD	47.926	5.7957	2.9816	10.681	26.310	32.897	12.565
#1	12.367	.97358	-201.37	-.00785	-.02647	-.00573	-.00121
#2	28.284	1.0662	-199.85	-.00770	-.02295	-.00287	-.00103
#3	14.064	1.0870	-190.51	-.00642	-.01536	-.00449	-.00132
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000		9.0000		81.000		
Low Limit	-.00400		-.00400		-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00070**	**-.00197**	**.00012**	F **-.01728**	**.00007**
Stddev	.00003	.00047	.00145	.00022	.00080	.00007
%RSD	64.317	66.852	73.363	175.54	4.6060	104.60
#1	.00007	.00021	-.00225	.00035	-.01771	-.00001
#2	.00007	.00114	-.00325	.00010	-.01776	.00011
#3	.00001	.00075	-.00040	-.00008	-.01636	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					45.000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31857.**	**28280.**
Stddev	35.	74.
%RSD	.11045	.25994
#1	31844.	28195.
#2	31897.	28326.
#3	31830.	28318.

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:35:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00067**	**-.01614**	**-.00842**	**.38735**	**-.00021**	**-.00017**
Stddev	.00026	.01496	.00034	.00561	.00023	.00000
%RSD	38.638	92.633	4.0397	1.4484	107.04	3.0197
#1	-.00073	-.00156	-.00862	.39375	-.00047	-.00017
#2	-.00089	-.03144	-.00802	.38503	-.00004	-.00017
#3	-.00039	-.01544	-.00861	.38327	-.00013	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02121**	**.00124**	**-.00190**	F **-.03925**	**.11575**	F **946.66**
Stddev	.00442	.00005	.00027	.00040	.00137	7.85
%RSD	20.817	3.6413	13.971	1.0106	1.1808	.82931
#1	-.02539	.00129	-.00159	-.03970	.11577	955.57
#2	-.01659	.00123	-.00205	-.03902	.11438	940.76
#3	-.02166	.00121	-.00206	-.03902	.11711	943.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit				90.000		900.00
Low Limit				-.00300		-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06819**	**-.00034**	**-.01450**	**.00091**	**-.00441**	**-.00147**
Stddev	.01131	.00245	.00255	.00020	.00013	.00852
%RSD	16.583	709.58	17.576	21.452	2.9036	578.25
#1	-.07581	.00126	-.01709	.00084	-.00426	.00577
#2	-.07356	.00086	-.01441	.00077	-.00444	.00067
#3	-.05520	-.00316	-.01200	.00114	-.00451	-.01086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

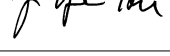
Sample Name: LRC Acquired: 4/6/2011 15:35:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00381**	kF **-.43823**	**.03194**	F **12.747**	**.37250**	F **180.71**
Stddev	.00080	.00665	.00151	9.344	.05907	7.93
%RSD	20.936	1.5177	4.7200	73.299	15.859	4.3864
#1	-.00472	k -.44590	.03061	17.084	.42962	187.49
#2	-.00320	k -.43409	.03358	19.135	.31165	182.64
#3	-.00351	k -.43470	.03163	2.0233	.37624	171.99
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail
High Limit		900.00		9.0000		9.0000
Low Limit		-.00400		-.00400		-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00429**	**.00282**	**.00261**	**.00527**	**-.00004**	**.00245**
Stddev	.00053	.00068	.00013	.00016	.00005	.00029
%RSD	12.467	23.964	4.9934	3.1129	124.17	11.744
#1	-.00464	.00339	.00275	.00544	-.00007	.00221
#2	-.00456	.00207	.00249	.00511	.00002	.00277
#3	-.00367	.00299	.00259	.00526	-.00006	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00396**	F **-.01418**	**.00504**	^ *****
Stddev	.00055	.00024	.00008	-----
%RSD	13.946	1.6597	1.6323	-----
#1	.00337	-.01442	.00514	^ -----
#2	.00447	-.01419	.00500	^ -----
#3	.00403	-.01394	.00499	^ -----
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		90.000		
Low Limit		-.01000		

Approved: April 07, 2011



Sample Name: LRC Acquired: 4/6/2011 15:35:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31081.**	**26317.**
Stddev	75.	110.
%RSD	.24150	.41976
#1	31042.	26275.
#2	31167.	26442.
#3	31033.	26233.

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:38:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07411**	**.14872**	**.00585**	**-.01803**	**-.00022**	**.00011**	**-.01031**
Stddev	.00015	.00360	.00052	.00099	.00014	.00001	.00443
%RSD	.19959	2.4229	8.9110	5.4858	65.034	12.679	42.981
#1	.07416	.15271	.00565	-.01720	-.00017	.00012	-.01388
#2	.07394	.14570	.00546	-.01913	-.00011	.00012	-.00535
#3	.07422	.14775	.00644	-.01777	-.00038	.00010	-.01171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00069**	F **-.01323**	**.00221**	**.01697**	**.01931**	**.00140**
Stddev	.00001	.00006	.00030	.00022	.00608	.01461	.00106
%RSD	1.5529	9.2379	2.2344	10.116	35.812	75.655	75.660
#1	.00033	.00063	-.01289	.00205	.02399	.01654	.00088
#2	.00034	.00069	-.01337	.00247	.01358	.00628	.00070
#3	.00034	.00076	-.01343	.00212	.01335	.03510	.00262
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.00300				

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02654**	F **196.46**	F **-.01153**	**.00953**	**.00173**	F **-.17441**	**.02538**
Stddev	.01443	.57	.00007	.01050	.00028	.00205	.00194
%RSD	54.367	.28858	.64831	110.20	16.429	1.1736	7.6371
#1	.04318	195.81	-.01160	.00004	.00155	-.17646	.02701
#2	.01767	196.71	-.01145	.00773	.00157	-.17237	.02323
#3	.01875	196.85	-.01154	.02081	.00205	-.17440	.02589
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		180.00	18.000			900.00	
Low Limit		-.00300	-.01000			-.00400	

Approved: April 07, 2011

Sample Name: LRC Acquired: 4/6/2011 15:38:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.9435**	F **32.764**	F **-5224.0**	**-.00186**	**.07365**	**.00147**	**-.00044**
Stddev	2.1082	.312	39.5	.00085	.00139	.00053	.00018
%RSD	35.470	.95245	.75632	45.898	1.8838	35.981	41.307
#1	-8.2815	32.498	-5205.5	-.00136	.07238	.00188	-.00025
#2	-4.1875	32.686	-5197.0	-.00285	.07513	.00166	-.00061
#3	-5.3616	33.107	-5269.3	-.00137	.07344	.00087	-.00048
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00440**	**.06791**	F **-.01871**	**.00273**	**-.00010**
Stddev	.00005	.00043	.00338	.00058	.00007	.00008
%RSD	69.996	9.7376	4.9788	3.0916	2.5530	84.522
#1	-.00001	-.00489	.06649	-.01805	.00266	.00000
#2	-.00009	-.00418	.06546	-.01894	.00274	-.00014
#3	-.00011	-.00412	.07176	-.01914	.00280	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32298.**	**26497.**
Stddev	108.	227.
%RSD	.33553	.85696
#1	32418.	26679.
#2	32271.	26571.
#3	32206.	26243.

Approved: April 07, 2011

Sample Name: L1104018001 Acquired: 4/6/2011 15:42:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01824**	**319.25**	**.04843**	**.27402**	**1.1686**	**.00589**	**3.1307**
Stddev	.00031	2.70	.00128	.00715	.0062	.00003	.0179
%RSD	1.6781	.84464	2.6508	2.6077	.52771	.44855	.57251
#1	.01808	317.03	.04833	.27369	1.1633	.00591	3.1109
#2	.01805	318.48	.04976	.28132	1.1671	.00586	3.1357
#3	.01859	322.25	.04720	.26704	1.1754	.00591	3.1457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00312**	**.12543**	**.32370**	**.28678**	**660.78**	**13.212**	**.08145**
Stddev	.00010	.00036	.00123	.00340	7.26	.075	.00106
%RSD	3.3136	.28677	.37984	1.1844	1.0987	.56607	1.2978
#1	.00309	.12533	.32252	.28323	657.48	13.126	.08237
#2	.00323	.12512	.32360	.28713	669.10	13.245	.08029
#3	.00303	.12582	.32497	.29000	655.75	13.265	.08168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.892**	**11.149**	**.00851**	**.35375**	**.12002**	**6.8999**	**.18681**
Stddev	.081	.052	.00020	.00578	.00060	.0190	.00174
%RSD	.67819	.46585	2.3464	1.6342	.49716	.27560	.93238
#1	11.800	11.093	.00872	.35994	.12063	6.9013	.18651
#2	11.924	11.157	.00846	.35283	.11943	6.8802	.18524
#3	11.951	11.196	.00833	.34849	.12001	6.9182	.18869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104018001 Acquired: 4/6/2011 15:42:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **65.476**	F **51.085**	F **-10377.**	**.00222**	**.00497**	**2.9438**	**.02310**
Stddev	10.267	.252	24.	.00225	.00121	.0083	.00005
%RSD	15.681	.49343	.23291	101.11	24.299	.28023	.19523
#1	59.987	50.887	-10396.	.00127	.00400	2.9356	.02315
#2	77.321	51.000	-10384.	.00479	.00632	2.9521	.02306
#3	59.120	51.369	-10350.	.00061	.00459	2.9435	.02311
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04326**	**1.9459**	**.04002**	**1.3865**	**.49143**	**.17550**
Stddev	.00008	.0095	.00091	.0086	.00097	.00051
%RSD	.19434	.48623	2.2842	.61707	.19659	.29131
#1	.04318	1.9406	.04080	1.3813	.49248	.17526
#2	.04325	1.9403	.03901	1.3818	.49058	.17514
#3	.04335	1.9568	.04025	1.3964	.49124	.17608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32387.**	**28122.**
Stddev	27.	117.
%RSD	.08269	.41682
#1	32356.	28257.
#2	32406.	28047.
#3	32399.	28062.

Approved: April 07, 2011

Sample Name: L1104018002S Acquired: 4/6/2011 15:46:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23487**	**332.99**	**.21563**	**.92759**	**1.4863**	**.02256**	**6.4326**
Stddev	.00122	2.19	.00259	.00622	.0012	.00011	.0242
%RSD	.51958	.65893	1.2028	.67049	.08264	.47582	.37597
#1	.23438	331.38	.21456	.92049	1.4876	.02245	6.4176
#2	.23397	332.11	.21859	.93026	1.4852	.02256	6.4196
#3	.23626	335.49	.21374	.93204	1.4860	.02266	6.4605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02532**	**.30071**	**.51791**	**.50621**	**637.90**	**36.187**	**.49917**
Stddev	.00006	.00043	.00333	.00120	5.19	.084	.00175
%RSD	.22248	.14268	.64373	.23643	.81370	.23286	.35024
#1	.02531	.30021	.51413	.50533	632.12	36.130	.49715
#2	.02527	.30098	.51914	.50572	639.41	36.147	.50010
#3	.02538	.30093	.52045	.50757	642.17	36.284	.50026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.484**	**18.288**	**.43487**	**21.560**	**.35909**	**7.0817**	**.46335**
Stddev	.028	.027	.00037	.153	.00063	.0093	.00178
%RSD	.15230	.14789	.08438	.70913	.17634	.13134	.38499
#1	18.467	18.261	.43515	21.424	.35868	7.0864	.46416
#2	18.517	18.288	.43501	21.530	.35878	7.0877	.46459
#3	18.469	18.315	.43445	21.725	.35982	7.0709	.46131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104018002S Acquired: 4/6/2011 15:46:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **53.669**	F **50.676**	F **-9296.5**	**.51112**	**.15449**	**6.6759**	**.43807**
Stddev	10.176	.184	23.8	.00344	.00090	.0101	.00060
%RSD	18.961	.36325	.25596	.67245	.58494	.15190	.13621
#1	45.598	50.469	-9312.5	.50843	.15552	6.6658	.43838
#2	50.308	50.820	-9307.9	.51499	.15412	6.6861	.43738
#3	65.101	50.739	-9269.2	.50994	.15383	6.6759	.43845
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45515**	**6.8361**	**.25504**	**1.9327**	**.98874**	**.17150**
Stddev	.00245	.0149	.00059	.0086	.00154	.00250
%RSD	.53856	.21823	.22977	.44338	.15559	1.4595
#1	.45351	6.8282	.25571	1.9275	.98816	.16897
#2	.45398	6.8268	.25464	1.9279	.98759	.17155
#3	.45797	6.8533	.25477	1.9426	.99049	.17397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31694.**	**27961.**
Stddev	70.	159.
%RSD	.22014	.56893
#1	31702.	27843.
#2	31759.	27899.
#3	31620.	28142.

Approved: April 07, 2011

Sample Name: L1104018003SD Acquired: 4/6/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24332**	**324.77**	**.21742**	**.94326**	**1.9979**	**.02164**	**6.4353**
Stddev	.00229	3.35	.00272	.01884	.0112	.00013	.0537
%RSD	.94059	1.0310	1.2505	1.9969	.56072	.61949	.83513
#1	.24299	323.90	.21450	.93010	1.9877	.02160	6.4114
#2	.24121	321.95	.21786	.93486	1.9961	.02152	6.3977
#3	.24576	328.47	.21989	.96484	2.0099	.02178	6.4969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02560**	**.44862**	**.51217**	**.51905**	**634.64**	**36.807**	**.49985**
Stddev	.00019	.00149	.00252	.00292	21.36	.232	.00377
%RSD	.75779	.33157	.49139	.56342	3.3654	.63074	.75397
#1	.02544	.44692	.51261	.51593	617.88	36.609	.49803
#2	.02554	.44924	.50947	.52173	627.37	36.749	.49733
#3	.02582	.44969	.51444	.51950	658.69	37.062	.50418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.925**	**28.938**	**.44213**	**21.818**	**.36313**	**7.0094**	**.60007**
Stddev	.165	.433	.00067	.169	.00028	.0080	.00053
%RSD	.87291	1.4968	.15142	.77264	.07778	.11421	.08856
#1	18.786	28.750	.44281	21.785	.36345	7.0107	.60062
#2	18.882	29.433	.44212	21.669	.36304	7.0167	.60003
#3	19.108	28.630	.44147	22.001	.36291	7.0008	.59956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104018003SD Acquired: 4/6/2011 15:49:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360981-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **57.143**	F **52.362**	F **-9479.3**	**.52317**	**.16027**	**8.2626**	**.47368**
Stddev	7.757	.319	5.8	.00028	.00148	.0374	.00079
%RSD	13.575	.60858	.06161	.05316	.92387	.45240	.16714
#1	58.312	52.043	-9472.5	.52286	.15870	8.2706	.47295
#2	48.868	52.363	-9482.3	.52323	.16165	8.2953	.47355
#3	64.250	52.680	-9483.0	.52341	.16045	8.2219	.47452
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45913**	**7.5334**	**.26531**	**1.9397**	**1.0083**	**.17134**
Stddev	.00271	.0397	.00142	.0146	.0016	.00420
%RSD	.59077	.52675	.53435	.75482	.16196	2.4533
#1	.45850	7.5105	.26382	1.9344	1.0077	.16862
#2	.45679	7.5105	.26546	1.9284	1.0070	.16921
#3	.46211	7.5792	.26665	1.9562	1.0101	.17618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31625.**	**28191.**
Stddev	71.	212.
%RSD	.22352	.75314
#1	31641.	28354.
#2	31687.	28269.
#3	31548.	27951.

Approved: April 07, 2011

Sample Name: L1103018001PS Acquired: 4/6/2011 15:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360996-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22180**	**286.73**	**.24043**	**1.1236**	**1.4909**	**.03045**	**7.1888**
Stddev	.00106	.33	.00119	.0025	.0039	.00006	.0178
%RSD	.47843	.11496	.49700	.21989	.26319	.19998	.24744
#1	.22267	286.76	.24160	1.1264	1.4868	.03048	7.1752
#2	.22213	286.38	.23921	1.1224	1.4911	.03050	7.1823
#3	.22062	287.04	.24047	1.1219	1.4947	.03038	7.2089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02725**	**.21378**	**.53433**	**.49977**	**591.51**	**34.471**	**.53213**
Stddev	.00000	.00056	.00125	.00262	5.36	.043	.00265
%RSD	.01472	.26336	.23396	.52513	.90624	.12584	.49719
#1	.02725	.21361	.53571	.50119	593.55	34.426	.52909
#2	.02724	.21441	.53402	.50138	585.43	34.473	.53350
#3	.02725	.21333	.53327	.49674	595.56	34.512	.53382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.287**	**10.272**	**.48249**	**23.207**	**.34893**	**6.3035**	**.40410**
Stddev	.023	.006	.00019	.015	.00016	.0107	.00068
%RSD	.14988	.06221	.03840	.06644	.04719	.16906	.16791
#1	15.263	10.278	.48270	23.201	.34879	6.3102	.40489
#2	15.291	10.272	.48240	23.197	.34911	6.3090	.40374
#3	15.309	10.266	.48236	23.225	.34889	6.2912	.40368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103018001PS Acquired: 4/6/2011 15:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360996-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **49.372**	F **51.690**	F **-9472.8**	**.57126**	**.19211**	**5.0913**	**.02189**
Stddev	1.958	.238	20.5	.00245	.00462	.0137	.00020
%RSD	3.9663	.46009	.21607	.42805	2.4044	.26917	.93129
#1	47.313	51.689	-9449.5	.56920	.19414	5.1060	.02187
#2	49.593	51.928	-9488.0	.57396	.18683	5.0789	.02170
#3	51.210	51.452	-9480.8	.57062	.19537	5.0891	.02211
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49043**	**2.2035**	**.26724**	**1.7703**	**.92514**	**.15848**
Stddev	.00051	.0038	.00242	.0039	.00115	.00091
%RSD	.10318	.17171	.90528	.22250	.12457	.57129
#1	.49100	2.2035	.26839	1.7736	.92644	.15951
#2	.49025	2.1997	.26888	1.7714	.92476	.15813
#3	.49004	2.2072	.26447	1.7660	.92423	.15780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32345.**	**28396.**
Stddev	63.	174.
%RSD	.19483	.61398
#1	32324.	28230.
#2	32295.	28578.
#3	32416.	28378.

Approved: April 07, 2011

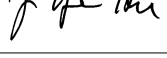
Sample Name: L1103018001SDL Acquired: 4/6/2011 15:56:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00433**	**67.045**	**.01076**	**.05904**	**.24143**	**.00124**	**.65080**
Stddev	.00046	.352	.00114	.00057	.00083	.00003	.00667
%RSD	10.701	.52573	10.564	.96878	.34206	2.5513	1.0252
#1	.00485	67.270	.01051	.05936	.24097	.00123	.64388
#2	.00397	66.639	.01201	.05838	.24095	.00122	.65134
#3	.00416	67.226	.00977	.05937	.24239	.00128	.65719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.02850**	**.06895**	**.06341**	**144.01**	**3.0140**	**.01748**
Stddev	.00006	.00013	.00015	.00060	.41	.0051	.00075
%RSD	11.407	.47222	.21937	.94709	.28469	.16898	4.3079
#1	.00046	.02866	.06905	.06395	143.84	3.0196	.01723
#2	.00055	.02844	.06902	.06352	143.71	3.0097	.01832
#3	.00044	.02841	.06877	.06276	144.48	3.0127	.01688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6545**	**2.3999**	**.00149**	**.07986**	**.02687**	**1.5877**	**.04335**
Stddev	.0231	.0033	.00018	.00778	.00012	.0060	.00024
%RSD	.87070	.13571	11.811	9.7380	.43671	.37752	.54620
#1	2.6731	2.4036	.00130	.07092	.02674	1.5809	.04362
#2	2.6619	2.3980	.00151	.08368	.02690	1.5919	.04317
#3	2.6286	2.3980	.00165	.08500	.02697	1.5905	.04327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103018001SDL Acquired: 4/6/2011 15:56:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **13.491**	F **11.707**	F **-2358.9**	**-.00014**	**.00084**	**.67837**	**.00486**
Stddev	10.622	.029	13.7	.00137	.00070	.01506	.00010
%RSD	78.735	.24894	.58228	959.40	83.668	2.2200	2.0049
#1	2.3396	11.699	-2347.2	-.00142	.00094	.69316	.00479
#2	23.490	11.739	-2374.0	-.00031	.00148	.67889	.00497
#3	14.644	11.683	-2355.4	.00130	.00009	.66306	.00482
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00902**	**.41209**	**.00883**	**.29126**	**.10910**	**.03418**
Stddev	.00008	.00084	.00060	.00077	.00045	.00034
%RSD	.89801	.20320	6.7807	.26331	.41167	.98678
#1	.00896	.41300	.00950	.29054	.10872	.03448
#2	.00899	.41191	.00865	.29118	.10960	.03423
#3	.00911	.41135	.00834	.29207	.10898	.03382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33491.**	**27615.**
Stddev	35.	52.
%RSD	.10472	.18861
#1	33531.	27582.
#2	33466.	27675.
#3	33476.	27587.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:59:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43796**	**9.5116**	**.42527**	**.52224**	**.95632**	**.05174**	**9.4546**
Stddev	.00177	.0480	.00164	.00133	.00424	.00004	.0467
%RSD	.40335	.50449	.38631	.25387	.44301	.08074	.49385
#1	.43598	9.4826	.42419	.52073	.95896	.05176	9.4386
#2	.43853	9.4851	.42446	.52276	.95143	.05169	9.4181
#3	.43937	9.5670	.42716	.52322	.95856	.05176	9.5072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05384**	**.21805**	**.51578**	**.54494**	**3.8768**	**48.383**	**.97717**
Stddev	.00019	.00072	.00117	.00324	.0126	.129	.00422
%RSD	.34464	.32814	.22748	.59428	.32393	.26638	.43169
#1	.05366	.21726	.51444	.54172	3.8905	48.422	.97973
#2	.05383	.21822	.51663	.54491	3.8657	48.239	.97230
#3	.05403	.21867	.51626	.54820	3.8743	48.487	.97948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.021**	**.50703**	**.97846**	**48.030**	**.52485**	F **.00189**	**.53945**
Stddev	.037	.00250	.00038	.198	.00095	.00149	.00199
%RSD	.36919	.49364	.03874	.41273	.18079	78.820	.36947
#1	9.9919	.50965	.97814	47.945	.52380	.00258	.53801
#2	10.009	.50467	.97836	47.888	.52509	.00018	.53860
#3	10.063	.50677	.97888	48.256	.52565	.00292	.54172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 15:59:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **5.2334**	**10.931**	F **30.403**	**1.3038**	**.42874**	F **.01891**	**1.0707**
Stddev	10.734	.120	7.166	.0073	.00212	.00120	.0030
%RSD	205.10	1.0975	23.570	.56288	.49486	6.3574	.27879
#1	-6.4070	10.877	38.631	1.3032	.42818	.01752	1.0694
#2	7.3673	10.847	25.523	1.2968	.42696	.01959	1.0686
#3	14.740	11.068	27.056	1.3115	.43109	.01962	1.0741
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97010**	**1.0009**	**.54795**	**1.0458**	**1.0368**	F **.00168**
Stddev	.00477	.0035	.00266	.0022	.0028	.00016
%RSD	.49192	.35051	.48472	.21311	.26983	9.4991
#1	.97007	1.0018	.54620	1.0433	1.0343	.00156
#2	.96534	.99704	.54664	1.0464	1.0362	.00162
#3	.97488	1.0039	.55100	1.0477	1.0398	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31638.**	**26446.**
Stddev	113.	190.
%RSD	.35853	.71740
#1	31719.	26596.
#2	31686.	26233.
#3	31508.	26508.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:03:15 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.02313**	**-.00027**	**-.00111**	**-.00008**	**.00004**	**-.01090**
Stddev	.00040	.00461	.00114	.00058	.00019	.00001	.00314
%RSD	469.23	19.921	428.49	52.042	224.18	31.042	28.802
#1	-.00031	-.02475	-.00112	-.00049	.00012	.00004	-.01355
#2	.00009	-.01793	-.00070	-.00163	-.00024	.00005	-.01172
#3	.00048	-.02671	.00103	-.00122	-.00013	.00003	-.00743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00009**	**-.00001**	**-.00034**	**-.00074**	**.12539**	**.00036**
Stddev	.00002	.00007	.00011	.00020	.00134	.00700	.00099
%RSD	69.983	75.566	1265.6	58.344	181.18	5.5806	271.63
#1	.00006	.00009	-.00008	-.00055	-.00158	.11892	.00088
#2	.00001	.00002	-.00006	-.00029	.00081	.12443	-.00078
#3	.00003	.00015	.00012	-.00017	-.00145	.13282	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**-.00014**	**.00003**	**.01307**	**-.00008**	**-.00095**	**-.00126**
Stddev	.00515	.00029	.00016	.00349	.00019	.00314	.00156
%RSD	45.072	208.82	465.35	26.664	252.63	332.22	124.02
#1	.01688	.00006	-.00014	.01501	-.00016	-.00268	.00005
#2	.01073	.00000	.00010	.00905	-.00021	-.00284	-.00298
#3	.00665	-.00048	.00015	.01516	.00014	.00268	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:03:15 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.1907**	**.00446**	F **-.94435**	**.00126**	**-.00093**	**.00057**	**-.00035**
Stddev	14.784	.01590	3.8804	.00169	.00117	.00144	.00004
%RSD	674.83	356.50	410.91	133.86	125.36	252.82	12.212
#1	12.439	.01938	-5.4094	-.00053	-.00217	-.00109	-.00032
#2	8.8899	.00627	.96411	.00148	.00015	.00148	-.00040
#3	-14.757	-.01227	1.6123	.00283	-.00078	.00131	-.00034
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00054**	**-.00026**	**.00002**	**-.00013**	**.00005**
Stddev	.00003	.00109	.00055	.00029	.00005	.00000
%RSD	28.522	201.73	213.19	1177.1	40.653	5.8159
#1	-.00011	-.00056	-.00037	.00035	-.00007	.00005
#2	-.00010	.00161	-.00075	-.00020	-.00014	.00005
#3	-.00006	.00057	.00034	-.00008	-.00017	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32096.**	**26891.**
Stddev	118.	153.
%RSD	.36625	.56886
#1	32132.	27020.
#2	32191.	26931.
#3	31965.	26722.

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:06:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**13.176**	**.00354**	**.00842**	**.04729**	**.00025**	**.11397**
Stddev	.00028	.008	.00062	.00154	.00038	.00002	.00460
%RSD	27.686	.06349	17.382	18.266	.80458	7.8264	4.0356
#1	.00081	13.168	.00420	.00938	.04702	.00023	.11548
#2	.00086	13.185	.00344	.00924	.04713	.00026	.11762
#3	.00131	13.176	.00298	.00665	.04773	.00025	.10880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00580**	**.01320**	**.01344**	**28.175**	**.67703**	**.00326**
Stddev	.00003	.00009	.00066	.00040	.140	.01223	.00121
%RSD	83.070	1.5416	4.9909	2.9556	.49559	1.8068	37.272
#1	-.00001	.00584	.01263	.01378	28.014	.68734	.00278
#2	-.00007	.00587	.01392	.01300	28.252	.68025	.00464
#3	-.00004	.00570	.01304	.01355	28.260	.66352	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53581**	**.47477**	**.00002**	**.01596**	**.00515**	**.33314**	**.00861**
Stddev	.00662	.00079	.00012	.00597	.00026	.00106	.00011
%RSD	1.2358	.16599	486.53	37.431	5.0298	.31729	1.2566
#1	.53712	.47387	.00009	.01273	.00494	.33193	.00849
#2	.54169	.47517	.00010	.01229	.00506	.33383	.00871
#3	.52864	.47528	-.00011	.02285	.00544	.33368	.00861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:06:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.3955**	**2.4319**	F **-473.56**	**-.00090**	**-.00022**	**.13235**	**.00094**
Stddev	1.3863	.0256	11.44	.00041	.00134	.00097	.00007
%RSD	31.539	1.0505	2.4155	44.938	601.21	.73326	7.2402
#1	-4.9833	2.4263	-464.05	-.00085	.00114	.13323	.00088
#2	-5.3911	2.4097	-486.25	-.00133	-.00026	.13131	.00093
#3	-2.8122	2.4598	-470.37	-.00052	-.00155	.13249	.00101
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.08097**	**.00256**	**.05766**	**.02281**	**.00470**
Stddev	.00007	.00032	.00043	.00044	.00024	.00018
%RSD	4.2439	.40047	16.843	.75897	1.0710	3.8614
#1	.00183	.08105	.00259	.05716	.02257	.00490
#2	.00171	.08125	.00211	.05785	.02281	.00456
#3	.00169	.08061	.00297	.05797	.02306	.00463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33105.**	**27016.**
Stddev	95.	154.
%RSD	.28613	.57102
#1	33214.	26882.
#2	33060.	27185.
#3	33041.	26981.

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:10:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**2.7146**	**.00173**	**-.00048**	**.00993**	**.00006**	**.02062**
Stddev	.00073	.0063	.00026	.00063	.00012	.00001	.00508
%RSD	3434.5	.23273	14.916	130.76	1.2512	20.481	24.647
#1	.00036	2.7196	.00200	-.00088	.00997	.00005	.02649
#2	.00043	2.7075	.00149	.00025	.01002	.00007	.01754
#3	-.00086	2.7168	.00169	-.00083	.00979	.00007	.01784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00126**	**.00263**	**.00261**	**5.8625**	**.17915**	**.00096**
Stddev	.00001	.00015	.00051	.00013	.0341	.02541	.00048
%RSD	6.3959	12.221	19.538	5.0955	.58132	14.183	50.026
#1	-.00011	.00126	.00257	.00258	5.8949	.19374	.00042
#2	-.00012	.00141	.00214	.00249	5.8657	.14981	.00134
#3	-.00013	.00110	.00317	.00275	5.8269	.19390	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11354**	**.10082**	**-.00006**	**.00135**	**.00085**	**.07552**	**.00211**
Stddev	.01259	.00080	.00015	.00478	.00014	.00070	.00092
%RSD	11.089	.78969	250.45	354.00	16.243	.92498	43.691
#1	.12126	.10161	-.00023	.00507	.00091	.07556	.00153
#2	.12035	.10084	.00002	-.00404	.00094	.07619	.00162
#3	.09901	.10002	.00003	.00302	.00069	.07479	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103018001SDL Acquired: 4/6/2011 16:10:27 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG360996-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-7.3021**	**.53005**	F **-101.25**	**-.00007**	**-.00200**	**.02475**	**.00001**
Stddev	11.220	.04326	4.82	.00050	.00188	.00149	.00012
%RSD	153.66	8.1615	4.7578	757.53	93.829	6.0187	2373.6
#1	-9.8800	.57917	-104.18	-.00059	-.00389	.02303	.00005
#2	-17.009	.49762	-95.693	.00039	-.00013	.02560	-.00013
#3	4.9826	.51336	-103.89	.00001	-.00198	.02562	.00009
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01698**	**.00056**	**.01203**	**.00582**	**.00113**
Stddev	.00005	.00037	.00047	.00040	.00005	.00008
%RSD	17.756	2.1676	84.405	3.3539	.94257	6.7765
#1	.00025	.01656	.00045	.01228	.00587	.00105
#2	.00035	.01718	.00107	.01156	.00576	.00120
#3	.00027	.01721	.00015	.01224	.00583	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32803.**	**26987.**
Stddev	45.	165.
%RSD	.13651	.61089
#1	32753.	26888.
#2	32838.	26896.
#3	32818.	27177.

Approved: April 07, 2011

Sample Name: L1104017901 Acquired: 4/6/2011 16:14:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02788**	**320.76**	**.03570**	**.26513**	**.60953**	**.00245**	**5.4089**
Stddev	.00029	2.13	.00130	.00289	.00194	.00004	.0340
%RSD	1.0483	.66451	3.6446	1.0918	.31798	1.5973	.62770
#1	.02822	318.88	.03420	.26681	.60858	.00246	5.3805
#2	.02772	320.34	.03635	.26179	.60826	.00249	5.3997
#3	.02771	323.08	.03654	.26679	.61176	.00241	5.4465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**.11983**	**.29315**	**.25573**	**660.19**	**7.0619**	**.05239**
Stddev	.00009	.00070	.00297	.00830	2.34	.0397	.00112
%RSD	2.7910	.58314	1.0141	3.2464	.35380	.56196	2.1377
#1	.00300	.12058	.29653	.26451	660.21	7.0189	.05363
#2	.00302	.11969	.29201	.25466	657.84	7.0696	.05144
#3	.00315	.11921	.29092	.24801	662.51	7.0971	.05212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8126**	**5.7895**	**.00734**	**.57501**	**.11973**	**6.7260**	**.20801**
Stddev	.0462	.0184	.00012	.00243	.00048	.0253	.00388
%RSD	.52392	.31726	1.6019	.42239	.40380	.37653	1.8653
#1	8.7605	5.7707	.00744	.57294	.11920	6.7523	.21136
#2	8.8292	5.7904	.00737	.57768	.12014	6.7238	.20892
#3	8.8482	5.8074	.00721	.57441	.11985	6.7018	.20376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017901 Acquired: 4/6/2011 16:14:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **45.186**	F **64.828**	F **-12685.**	**.05361**	**.00429**	**3.0359**	**.02460**
Stddev	1.191	.579	30.	.00028	.00319	.0134	.00020
%RSD	2.6361	.89270	.23553	.52638	74.428	.44078	.81810
#1	46.105	65.423	-12718.	.05328	.00231	3.0386	.02437
#2	43.840	64.793	-12677.	.05379	.00258	3.0478	.02469
#3	45.613	64.267	-12660.	.05375	.00796	3.0214	.02475
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03353**	**3.8098**	**.04130**	**1.4534**	**.41852**	**.13759**
Stddev	.00021	.0101	.00030	.0093	.00197	.00123
%RSD	.64071	.26515	.73505	.64207	.47026	.89678
#1	.03340	3.8018	.04122	1.4640	.42065	.13889
#2	.03341	3.8064	.04164	1.4495	.41815	.13644
#3	.03378	3.8211	.04105	1.4466	.41677	.13743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30997.**	**27339.**
Stddev	224.	76.
%RSD	.72165	.27677
#1	30780.	27417.
#2	30985.	27332.
#3	31227.	27266.

Approved: April 07, 2011

Sample Name: L1104017902 Acquired: 4/6/2011 16:17:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03857**	**309.35**	**.03902**	**.25660**	**1.2817**	^ *****	**2.1503**
Stddev	.00011	1.22	.00044	.00475	.0029	-----	.0052
%RSD	.28207	.39417	1.1314	1.8521	.22555	-----	.24240
#1	.03866	308.38	.03879	.25745	1.2850	^ -----	2.1562
#2	.03845	308.96	.03874	.26087	1.2805	^ -----	2.1479
#3	.03860	310.72	.03953	.25148	1.2796	^ -----	2.1467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00616**	**.15725**	**.39588**	**.32870**	**646.86**	**24.350**	**.12584**
Stddev	.00010	.00030	.00277	.00067	4.40	.029	.00065
%RSD	1.5645	.19294	.69895	.20314	.68012	.12077	.51638
#1	.00617	.15725	.39432	.32795	646.57	24.369	.12576
#2	.00625	.15755	.39907	.32894	651.39	24.316	.12524
#3	.00606	.15695	.39424	.32922	642.61	24.365	.12653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.946**	**7.5738**	**.00681**	**3.4492**	**.17133**	**11.897**	**.23116**
Stddev	.079	.0065	.00020	.0167	.00027	.018	.00093
%RSD	.31560	.08638	2.9355	.48308	.15767	.15549	.40317
#1	24.994	7.5777	.00665	3.4358	.17149	11.885	.23188
#2	24.855	7.5663	.00703	3.4441	.17147	11.918	.23149
#3	24.988	7.5775	.00673	3.4679	.17101	11.887	.23010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017902 Acquired: 4/6/2011 16:17:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **75.187**	F **30.683**	F **-5889.6**	**.00803**	**.00025**	**2.9367**	**.02664**
Stddev	6.955	.120	15.2	.00045	.00232	.0094	.00033
%RSD	9.2496	.39242	.25853	5.6253	917.97	.31850	1.2223
#1	68.337	30.569	-5885.0	.00797	.00176	2.9475	.02675
#2	82.241	30.673	-5906.6	.00851	.00141	2.9324	.02689
#3	74.982	30.809	-5877.2	.00761	-.00242	2.9303	.02627
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02796**	**5.4395**	**.04449**	**1.4654**	**.86506**	**.13112**
Stddev	.00014	.0055	.00074	.0039	.00278	.00052
%RSD	.50740	.10129	1.6712	.26764	.32122	.39342
#1	.02807	5.4418	.04396	1.4610	.86491	.13121
#2	.02780	5.4332	.04416	1.4672	.86792	.13159
#3	.02801	5.4434	.04534	1.4682	.86236	.13057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32869.**	**29300.**
Stddev	77.	196.
%RSD	.23347	.66875
#1	32870.	29100.
#2	32791.	29491.
#3	32945.	29309.

Approved: April 07, 2011

Sample Name: L1104017903 Acquired: 4/6/2011 16:20:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04475**	**343.33**	**.03672**	**.26530**	**1.1757**	^ *****	**2.6080**
Stddev	.00041	.71	.00046	.00087	.0021	-----	.0063
%RSD	.92646	.20558	1.2466	.32946	.18006	-----	.24012
#1	.04520	343.23	.03724	.26577	1.1734	^ -----	2.6073
#2	.04466	344.08	.03643	.26429	1.1776	^ -----	2.6022
#3	.04439	342.68	.03647	.26584	1.1759	^ -----	2.6146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.21998**	**.36174**	**.32641**	**678.57**	**19.588**	**.09953**
Stddev	.00006	.00097	.00218	.00412	4.52	.062	.00145
%RSD	2.3269	.44155	.60261	1.2631	.66617	.31671	1.4572
#1	.00281	.22107	.36362	.33032	678.15	19.546	.10116
#2	.00273	.21920	.35935	.32211	674.27	19.659	.09905
#3	.00268	.21968	.36226	.32681	683.28	19.559	.09837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.354**	**9.8958**	**.00550**	**.26273**	**.16083**	**6.6012**	**.29510**
Stddev	.065	.0125	.00022	.00397	.00136	.0122	.00070
%RSD	.31841	.12640	4.0347	1.5127	.84543	.18448	.23854
#1	20.344	9.8817	.00567	.26413	.16206	6.6153	.29556
#2	20.294	9.9002	.00525	.25824	.15937	6.5941	.29429
#3	20.423	9.9055	.00558	.26580	.16107	6.5942	.29546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017903 Acquired: 4/6/2011 16:20:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **73.586**	F **42.387**	F **-8245.4**	**-.00047**	**.00039**	**3.1668**	**.02864**
Stddev	11.271	.428	36.8	.00208	.00285	.0086	.00020
%RSD	15.316	1.0090	.44608	444.07	734.86	.27081	.70478
#1	60.622	42.875	-8285.9	.00186	.00306	3.1720	.02845
#2	81.059	42.207	-8214.0	-.00213	-.00262	3.1569	.02886
#3	79.076	42.079	-8236.2	-.00114	.00073	3.1715	.02862
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03585**	**6.4188**	**.04593**	**1.5148**	**.70734**	**.14559**
Stddev	.00004	.0055	.00185	.0044	.00163	.00070
%RSD	.11406	.08523	4.0332	.29020	.23079	.48089
#1	.03586	6.4130	.04522	1.5192	.70923	.14639
#2	.03588	6.4239	.04804	1.5104	.70640	.14509
#3	.03580	6.4195	.04454	1.5147	.70640	.14528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32585.**	**29261.**
Stddev	141.	150.
%RSD	.43296	.51137
#1	32422.	29100.
#2	32667.	29396.
#3	32665.	29288.

Approved: April 07, 2011

Sample Name: L1104017904 Acquired: 4/6/2011 16:24:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02560**	**305.00**	**.04058**	**.25727**	**1.0557**	**.00447**	**2.4433**
Stddev	.00129	1.38	.00035	.00402	.0016	.00003	.0065
%RSD	5.0346	.45081	.86938	1.5629	.15187	.68734	.26403
#1	.02534	303.45	.04027	.25272	1.0562	.00449	2.4361
#2	.02445	305.47	.04052	.25873	1.0539	.00449	2.4453
#3	.02699	306.08	.04096	.26035	1.0570	.00444	2.4485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00268**	**.17960**	**.29657**	**.28178**	**633.25**	**14.259**	**.07652**
Stddev	.00009	.00040	.00081	.00365	5.38	.020	.00151
%RSD	3.2478	.22009	.27375	1.2945	.84908	.14232	1.9676
#1	.00261	.18002	.29575	.28587	627.66	14.240	.07498
#2	.00266	.17923	.29737	.28062	638.38	14.281	.07798
#3	.00278	.17954	.29660	.27886	633.71	14.256	.07660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.147**	**15.022**	**.00643**	**.32759**	**.13079**	**6.6434**	**.21438**
Stddev	.018	.024	.00027	.00612	.00102	.0124	.00109
%RSD	.14019	.16232	4.2508	1.8683	.78208	.18594	.50818
#1	13.140	15.001	.00643	.32368	.13146	6.6516	.21494
#2	13.134	15.016	.00615	.33465	.12962	6.6493	.21313
#3	13.168	15.049	.00669	.32445	.13130	6.6292	.21508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104017904 Acquired: 4/6/2011 16:24:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **47.422**	F **46.851**	F **-9504.6**	**.00323**	**.00233**	**2.9600**	**.02325**
Stddev	6.569	.144	7.0	.00368	.00322	.0161	.00046
%RSD	13.851	.30843	.07381	113.97	137.75	.54506	1.9912
#1	47.300	46.916	-9510.0	.00562	.00603	2.9483	.02378
#2	54.050	46.952	-9507.1	-.00101	.00021	2.9784	.02307
#3	40.914	46.686	-9496.6	.00509	.00076	2.9533	.02290
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03517**	**3.1291**	**.03980**	**1.3516**	**.52556**	**.15302**
Stddev	.00013	.0064	.00016	.0038	.00109	.00084
%RSD	.37512	.20516	.40060	.27914	.20737	.54956
#1	.03505	3.1226	.03984	1.3510	.52659	.15211
#2	.03531	3.1292	.03962	1.3556	.52442	.15321
#3	.03514	3.1354	.03993	1.3481	.52568	.15376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32236.**	**28273.**
Stddev	22.	10.
%RSD	.06765	.03678
#1	32216.	28263.
#2	32259.	28271.
#3	32232.	28284.

Approved: April 07, 2011

Sample Name: L1104007812 Acquired: 4/6/2011 16:27:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**145.12**	**.22315**	**.18847**	**3.2124**	**.02110**	**33.783**
Stddev	.00019	.28	.00002	.00364	.0137	.00015	.095
%RSD	1.7339	.19097	.00790	1.9310	.42625	.70064	.28250
#1	.01089	145.44	.22317	.18701	3.2254	.02126	33.891
#2	.01127	144.98	.22315	.19261	3.1981	.02106	33.710
#3	.01105	144.94	.22314	.18579	3.2136	.02097	33.749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.24146**	**.40298**	**.25955**	**465.20**	**9.1451**	**.07789**
Stddev	.00010	.00028	.00236	.00152	6.98	.0128	.00038
%RSD	.95619	.11391	.58618	.58743	1.5009	.13987	.48812
#1	.00998	.24124	.40569	.26129	464.48	9.1584	.07790
#2	.01001	.24177	.40137	.25885	472.52	9.1440	.07751
#3	.00984	.24136	.40187	.25849	458.61	9.1329	.07827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.327**	**25.736**	**.01662**	**.44902**	**.30513**	**6.2018**	**.70307**
Stddev	.003	.218	.00020	.00935	.00050	.0020	.00119
%RSD	.01755	.84862	1.1818	2.0830	.16475	.03215	.16973
#1	15.328	25.490	.01654	.44965	.30538	6.1999	.70440
#2	15.329	25.909	.01647	.45804	.30546	6.2016	.70272
#3	15.324	25.808	.01684	.43937	.30455	6.2039	.70209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007812 Acquired: 4/6/2011 16:27:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **65.612**	F **154.59**	F **-25773.**	**.01666**	**.01802**	**2.1533**	**.01217**
Stddev	3.754	.37	14.	.00103	.00095	.0065	.00001
%RSD	5.7211	.24111	.05420	6.2023	5.2815	.29973	.05812
#1	69.637	154.80	-25776.	.01716	.01808	2.1567	.01217
#2	62.206	154.82	-25786.	.01547	.01893	2.1574	.01217
#3	64.995	154.16	-25758.	.01734	.01703	2.1459	.01218
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22926**	**.29047**	**.02459**	**.71597**	**.70977**	**.10513**
Stddev	.00044	.00052	.00102	.00267	.00082	.00028
%RSD	.19034	.17986	4.1568	.37286	.11542	.26231
#1	.22972	.28994	.02387	.71800	.71039	.10525
#2	.22923	.29099	.02414	.71696	.70884	.10533
#3	.22884	.29046	.02576	.71294	.71008	.10482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33512.**	**29936.**
Stddev	75.	130.
%RSD	.22277	.43390
#1	33427.	29826.
#2	33543.	29902.
#3	33566.	30079.

Approved: April 07, 2011

Sample Name: L1104007813 Acquired: 4/6/2011 16:31:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01328**	**193.63**	**.25313**	**.22974**	**4.1946**	**.02472**	**47.212**
Stddev	.00027	.26	.00150	.00121	.0066	.00013	.057
%RSD	2.0300	.13235	.59429	.52785	.15624	.50604	.12006
#1	.01334	193.44	.25155	.23010	4.2015	.02467	47.174
#2	.01352	193.92	.25328	.22839	4.1937	.02486	47.277
#3	.01299	193.53	.25455	.23073	4.1885	.02462	47.186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01133**	**.29986**	**.48033**	**.30862**	**548.83**	**14.470**	**.11672**
Stddev	.00007	.00073	.00075	.00077	1.58	.017	.00161
%RSD	.59797	.24184	.15615	.24848	.28870	.11912	1.3787
#1	.01128	.29921	.47949	.30843	547.02	14.452	.11685
#2	.01141	.30064	.48093	.30946	549.97	14.474	.11505
#3	.01129	.29972	.48058	.30796	549.50	14.485	.11826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.553**	**37.594**	**.01922**	**.86077**	**.42675**	**8.9260**	**.77226**
Stddev	.103	.267	.00020	.00240	.00037	.0081	.00135
%RSD	.55496	.71018	1.0213	.27936	.08709	.09120	.17452
#1	18.453	37.297	.01925	.86215	.42677	8.9226	.77270
#2	18.547	37.814	.01902	.86216	.42711	8.9353	.77075
#3	18.659	37.671	.01941	.85799	.42637	8.9202	.77334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007813 Acquired: 4/6/2011 16:31:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **79.860**	F **236.65**	F **-41229.**	**.01826**	**.02497**	**2.1832**	**.01370**
Stddev	2.283	.63	60.	.00038	.00167	.0043	.00019
%RSD	2.8582	.26473	.14632	2.0754	6.7019	.19792	1.3834
#1	78.627	236.69	-41294.	.01869	.02671	2.1862	.01392
#2	78.459	237.27	-41217.	.01800	.02337	2.1782	.01359
#3	82.494	236.01	-41175.	.01808	.02485	2.1852	.01360
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27161**	**.23034**	**.02671**	**.76003**	**.66959**	**.11341**
Stddev	.00048	.00172	.00057	.00411	.00065	.00024
%RSD	.17844	.74528	2.1463	.54016	.09661	.20795
#1	.27146	.23223	.02675	.75784	.66902	.11357
#2	.27215	.22887	.02727	.76476	.66947	.11352
#3	.27121	.22992	.02612	.75748	.67029	.11314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33851.**	**30859.**
Stddev	76.	165.
%RSD	.22360	.53603
#1	33904.	31043.
#2	33764.	30810.
#3	33885.	30723.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 16:35:08 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.44253**	**9.5465**	**.43311**	**.53215**	**.97103**	**.05267**	**9.5497**
Stddev	.00360	.0331	.00076	.00148	.00280	.00017	.0209
%RSD	.81364	.34687	.17572	.27857	.28813	.32347	.21921
#1	.44309	9.5615	.43225	.53277	.97401	.05257	9.5574
#2	.44582	9.5695	.43336	.53322	.97063	.05286	9.5657
#3	.43868	9.5085	.43371	.53046	.96846	.05257	9.5260
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05464**	F **.22076**	**.52690**	F **.55144**	**3.9441**	**48.832**	**.98717**
Stddev	.00004	.00047	.00141	.00024	.0147	.096	.00104
%RSD	.06743	.21159	.26750	.04331	.37261	.19610	.10521
#1	.05468	.22111	.52562	.55168	3.9606	48.925	.98726
#2	.05462	.22093	.52841	.55146	3.9388	48.838	.98816
#3	.05462	.22023	.52666	.55120	3.9327	48.734	.98609
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.20000		.50000			
Range		10.000%		10.000%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.056**	**.51014**	**.99045**	**48.214**	**.53249**	F **.00039**	**.54351**
Stddev	.030	.00055	.00051	.036	.00051	.00178	.00267
%RSD	.29679	.10695	.05193	.07539	.09617	462.30	.49047
#1	10.067	.50954	.99090	48.189	.53279	.00230	.54231
#2	10.079	.51029	.98989	48.256	.53278	.00007	.54656
#3	10.023	.51060	.99055	48.198	.53190	-.00122	.54166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 16:35:08 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.969**	F **11.056**	F **6.3761**	**1.3174**	**.43473**	F **.01902**	**1.0814**
Stddev	2.362	.049	1.0548	.0036	.00376	.00029	.0005
%RSD	13.918	.44417	16.543	.27190	.86574	1.5404	.04418
#1	14.535	11.055	5.4008	1.3133	.43408	.01906	1.0819
#2	19.251	11.106	6.2321	1.3190	.43878	.01928	1.0814
#3	17.122	11.008	7.4956	1.3200	.43133	.01870	1.0809
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	10.000%	10.000%	-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97704**	**1.0087**	F **.55335**	**1.0631**	**1.0451**	F **.00075**
Stddev	.00042	.0008	.00058	.0039	.0011	.00010
%RSD	.04272	.07409	.10392	.36818	.10367	12.792
#1	.97737	1.0084	.55401	1.0645	1.0451	.00073
#2	.97717	1.0082	.55314	1.0661	1.0462	.00086
#3	.97657	1.0096	.55292	1.0587	1.0441	.00067
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31984.**	**27450.**
Stddev	21.	162.
%RSD	.06489	.58853
#1	31994.	27510.
#2	31998.	27267.
#3	31960.	27573.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:38:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.02105**	**.00017**	**-.00216**	**-.00015**	**.00003**	**-.01254**
Stddev	.00010	.01600	.00056	.00017	.00010	.00001	.01028
%RSD	47.028	76.037	334.00	7.9207	63.961	45.335	81.951
#1	.00016	-.02137	-.00048	-.00236	-.00025	.00002	-.01869
#2	.00032	-.03689	.00052	-.00209	-.00006	.00004	-.00068
#3	.00014	-.00489	.00047	-.00204	-.00015	.00003	-.01826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00006**	**-.00044**	**-.00008**	**.00149**	**.12139**	**-.00004**
Stddev	.00002	.00015	.00018	.00030	.00336	.00854	.00040
%RSD	317.41	238.81	40.773	383.79	225.11	7.0314	1131.7
#1	.00003	-.00022	-.00042	-.00023	.00293	.12793	.00031
#2	-.00002	.00006	-.00062	-.00027	.00389	.12451	.00007
#3	.00001	-.00003	-.00026	.00027	-.00234	.11174	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00415**	**-.00018**	**.00005**	**.01562**	**-.00011**	**.00014**	**-.00064**
Stddev	.00938	.00037	.00008	.00400	.00028	.00182	.00217
%RSD	225.69	201.06	164.44	25.583	248.95	1263.8	340.13
#1	-.00456	-.00029	.00012	.01704	-.00010	.00205	-.00174
#2	.01408	-.00049	.00005	.01111	-.00041	-.00003	-.00205
#3	.00295	.00023	-.00003	.01872	.00016	-.00158	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 16:38:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.7345**	F **.03597**	F **-5.5614**	**.00069**	**.00051**	**.00047**	**-.00006**
Stddev	16.187	.03222	2.7893	.00128	.00162	.00086	.00014
%RSD	185.33	89.591	50.155	185.59	315.96	181.41	236.42
#1	8.2425	.05902	-4.5815	.00148	-.00021	-.00050	-.00018
#2	-7.2012	.04973	-3.3942	-.00079	-.00061	.00080	.00010
#3	25.162	-.00085	-8.7084	.00137	.00236	.00113	-.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00034**	**-.00058**	**.00001**	**-.00010**	**-.00014**
Stddev	.00005	.00027	.00047	.00016	.00005	.00002
%RSD	46.526	79.541	81.211	2158.8	50.195	16.840
#1	-.00007	-.00054	-.00025	.00007	-.00004	-.00016
#2	-.00008	-.00003	-.00037	.00013	-.00011	-.00011
#3	-.00015	-.00046	-.00112	-.00017	-.00014	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32626.**	**26819.**
Stddev	131.	52.
%RSD	.40296	.19459
#1	32517.	26875.
#2	32588.	26772.
#3	32772.	26811.

Approved: April 07, 2011

Sample Name: L1104007814 Acquired: 4/6/2011 16:42:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01357**	**220.85**	**.26302**	**.23959**	**4.4215**	**.02634**	**47.640**
Stddev	.00029	.20	.00155	.00682	.0209	.00014	.079
%RSD	2.1090	.08870	.58938	2.8483	.47324	.54959	.16592
#1	.01351	221.08	.26124	.23521	4.4456	.02630	47.726
#2	.01388	220.73	.26376	.24745	4.4086	.02650	47.622
#3	.01332	220.75	.26406	.23610	4.4102	.02621	47.571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01129**	**.30888**	**.53073**	**.32448**	**576.32**	**13.397**	**.12978**
Stddev	.00012	.00202	.00347	.00211	11.24	.014	.00118
%RSD	1.0323	.65375	.65424	.65039	1.9510	.10130	.90591
#1	.01116	.30878	.53110	.32480	568.19	13.385	.13114
#2	.01139	.31095	.53401	.32641	589.16	13.395	.12922
#3	.01131	.30691	.52710	.32222	571.62	13.412	.12900
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.438**	**35.596**	**.02150**	**1.0378**	**.45767**	**8.0133**	**.74450**
Stddev	.100	.234	.00007	.0046	.00197	.0512	.00679
%RSD	.49133	.65625	.32984	.44240	.42946	.63884	.91174
#1	20.336	35.540	.02142	1.0359	.45769	8.0417	.74584
#2	20.441	35.853	.02154	1.0431	.45962	8.0440	.75052
#3	20.537	35.396	.02155	1.0345	.45569	7.9542	.73715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007814 Acquired: 4/6/2011 16:42:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **94.891**	F **210.37**	F **-35362.**	**.01967**	**.02162**	**2.0517**	**.01526**
Stddev	11.185	1.51	182.	.00194	.00173	.0125	.00020
%RSD	11.787	.71597	.51382	9.8828	8.0159	.61107	1.3154
#1	103.00	210.24	-35463.	.01742	.01995	2.0481	.01507
#2	99.546	211.93	-35470.	.02083	.02151	2.0657	.01523
#3	82.130	208.93	-35152.	.02075	.02341	2.0414	.01547
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27831**	**.21504**	**.02677**	**.80310**	**.67015**	**.13071**
Stddev	.00063	.00068	.00261	.00360	.00337	.00088
%RSD	.22746	.31589	9.7497	.44773	.50306	.67079
#1	.27903	.21429	.02896	.80174	.67150	.13079
#2	.27806	.21561	.02388	.80718	.67263	.13154
#3	.27784	.21523	.02748	.80039	.66631	.12979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34046.**	**31110.**
Stddev	157.	169.
%RSD	.46138	.54323
#1	34010.	31287.
#2	33909.	31093.
#3	34217.	30951.

Approved: April 07, 2011

Sample Name: L1104007815 Acquired: 4/6/2011 16:45:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01225**	**191.64**	**.24142**	**.22963**	**4.0088**	**.02367**	**66.053**
Stddev	.00059	.83	.00102	.00288	.0175	.00010	.225
%RSD	4.7878	.43366	.42442	1.2541	.43573	.41997	.34020
#1	.01173	190.90	.24182	.22960	3.9995	.02379	65.869
#2	.01289	192.54	.24026	.23253	4.0290	.02362	66.303
#3	.01214	191.48	.24219	.22677	3.9980	.02361	65.986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.26165**	**.40901**	**.40036**	**527.84**	**14.290**	**.10412**
Stddev	.00007	.00091	.00180	.00260	6.72	.068	.00091
%RSD	.69983	.34881	.44126	.64922	1.2739	.47844	.86946
#1	.01068	.26158	.41099	.40160	530.94	14.227	.10307
#2	.01080	.26077	.40747	.39737	532.45	14.363	.10458
#3	.01066	.26260	.40856	.40211	520.12	14.281	.10469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.906**	**32.700**	**.02171**	**1.7883**	**.38425**	**9.0504**	**.67940**
Stddev	.055	.335	.00008	.0083	.00070	.0325	.00039
%RSD	.30971	1.0230	.36094	.46243	.18129	.35856	.05706
#1	17.863	33.084	.02164	1.7840	.38464	9.0730	.67964
#2	17.969	32.537	.02179	1.7979	.38344	9.0132	.67896
#3	17.887	32.478	.02168	1.7831	.38466	9.0649	.67962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007815 Acquired: 4/6/2011 16:45:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.307**	F **291.81**	F **-49929.**	**.01598**	**.02224**	**2.3467**	**.01416**
Stddev	6.368	1.85	76.	.00295	.00089	.0057	.00016
%RSD	7.6435	.63458	.15182	18.439	3.9894	.24224	1.1070
#1	79.692	292.41	-49996.	.01295	.02198	2.3401	.01401
#2	90.659	289.73	-49847.	.01614	.02151	2.3497	.01433
#3	79.570	293.28	-49943.	.01884	.02323	2.3502	.01415
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32668**	**.21937**	**.02301**	**.73485**	**.61829**	**.11267**
Stddev	.00072	.00128	.00047	.00153	.00100	.00010
%RSD	.22178	.58514	2.0500	.20753	.16140	.08888
#1	.32589	.21867	.02295	.73550	.61944	.11267
#2	.32732	.22085	.02257	.73311	.61767	.11257
#3	.32684	.21858	.02351	.73595	.61776	.11277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33873.**	**30584.**
Stddev	65.	169.
%RSD	.19140	.55288
#1	33798.	30442.
#2	33912.	30538.
#3	33908.	30771.

Approved: April 07, 2011

Sample Name: L1104007816 Acquired: 4/6/2011 16:49:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01538**	**185.76**	**.25458**	**.23495**	**4.2313**	**.02658**	**49.179**
Stddev	.00033	1.49	.00055	.00433	.0124	.00009	.251
%RSD	2.1328	.80284	.21616	1.8445	.29383	.33323	.51056
#1	.01500	184.29	.25411	.23180	4.2169	.02663	48.925
#2	.01560	187.27	.25519	.23315	4.2394	.02663	49.427
#3	.01554	185.72	.25446	.23989	4.2374	.02648	49.183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.32719**	**.45298**	**.36955**	**567.63**	**8.8226**	**.11785**
Stddev	.00004	.00049	.00225	.00147	8.31	.0559	.00114
%RSD	.31272	.14956	.49597	.39652	1.4634	.63385	.96743
#1	.01141	.32721	.45431	.37082	561.14	8.7641	.11705
#2	.01144	.32766	.45425	.36988	564.78	8.8756	.11735
#3	.01137	.32669	.45039	.36795	576.99	8.8280	.11916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.988**	**42.596**	**.02212**	**3.0974**	**.55761**	**5.9269**	**.72482**
Stddev	.052	.127	.00003	.0230	.00130	.0251	.00316
%RSD	.32545	.29795	.13004	.74337	.23333	.42385	.43536
#1	15.928	42.517	.02212	3.0903	.55855	5.9407	.72160
#2	16.018	42.529	.02208	3.1231	.55815	5.9420	.72495
#3	16.017	42.743	.02214	3.0787	.55612	5.8979	.72790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007816 Acquired: 4/6/2011 16:49:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.592**	F **197.73**	F **-31989.**	**.01672**	**.02455**	**2.2762**	**.01410**
Stddev	2.704	.55	27.	.00230	.00021	.0022	.00040
%RSD	3.2350	.27826	.08585	13.736	.86000	.09904	2.8116
#1	81.855	197.88	-31983.	.01453	.02474	2.2753	.01424
#2	86.708	198.19	-32019.	.01911	.02457	2.2788	.01441
#3	82.213	197.12	-31965.	.01652	.02432	2.2745	.01366
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25541**	**.19772**	**.03000**	**.77107**	**.53599**	**.10959**
Stddev	.00104	.00529	.00061	.00184	.00031	.00023
%RSD	.40675	2.6764	2.0369	.23917	.05783	.20845
#1	.25451	.20376	.03065	.77008	.53630	.10940
#2	.25655	.19553	.02991	.77320	.53568	.10984
#3	.25518	.19387	.02943	.76993	.53598	.10954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34088.**	**31047.**
Stddev	38.	87.
%RSD	.11178	.27972
#1	34076.	31064.
#2	34057.	30953.
#3	34130.	31124.

Approved: April 07, 2011

Sample Name: L1104007817 Acquired: 4/6/2011 16:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01073**	**148.65**	**.21195**	**.19640**	**3.6320**	**.02082**	**555.90**
Stddev	.00022	.49	.00179	.00131	.0138	.00002	9.97
%RSD	2.0402	.32968	.84571	.66541	.38053	.10897	1.7935
#1	.01064	148.43	.20995	.19494	3.6276	.02080	549.26
#2	.01098	149.22	.21341	.19744	3.6475	.02083	567.36
#3	.01057	148.31	.21249	.19683	3.6209	.02084	551.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01217**	**.15935**	**.32618**	**.35128**	**429.18**	**15.828**	**.12487**
Stddev	.00008	.00028	.00027	.00056	2.89	.054	.00073
%RSD	.68612	.17614	.08300	.15825	.67378	.33907	.58224
#1	.01226	.15931	.32617	.35154	426.02	15.805	.12544
#2	.01213	.15964	.32592	.35165	431.70	15.889	.12406
#3	.01210	.15909	.32646	.35064	429.82	15.790	.12513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.154**	**21.008**	**.01618**	**1.8880**	**.39155**	**12.132**	**.61499**
Stddev	.158	.233	.00022	.0097	.00094	.016	.00147
%RSD	.58260	1.1075	1.3468	.51117	.23907	.13498	.23916
#1	27.035	20.848	.01616	1.8805	.39064	12.148	.61350
#2	27.333	20.901	.01640	1.8989	.39150	12.134	.61644
#3	27.093	21.275	.01597	1.8845	.39251	12.115	.61501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007817 Acquired: 4/6/2011 16:53:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.664**	F **900.76**	F **-60923.**	**.01990**	**.01861**	**3.1591**	**.01390**
Stddev	8.512	1.15	58.	.00189	.00157	.0142	.00027
%RSD	9.7093	.12779	.09578	9.5156	8.4205	.44886	1.9400
#1	80.493	901.34	-60875.	.02088	.01964	3.1489	.01418
#2	85.429	901.51	-60988.	.01772	.01939	3.1753	.01364
#3	97.070	899.44	-60905.	.02111	.01681	3.1531	.01388
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7843**	**.19950**	**.01784**	**.54598**	**.90556**	**.09483**
Stddev	.0042	.00373	.00082	.00093	.00088	.00023
%RSD	.23599	1.8709	4.6236	.16989	.09740	.23885
#1	1.7845	.19725	.01728	.54553	.90461	.09457
#2	1.7884	.20380	.01879	.54704	.90635	.09496
#3	1.7800	.19743	.01745	.54536	.90571	.09496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32463.**	**30600.**
Stddev	44.	203.
%RSD	.13469	.66256
#1	32457.	30647.
#2	32423.	30378.
#3	32510.	30775.

Approved: April 07, 2011

Sample Name: L1104007818 Acquired: 4/6/2011 16:56:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01376**	**191.91**	**.24083**	**.23101**	**4.4886**	**.02476**	**184.54**
Stddev	.00026	1.05	.00081	.00581	.0195	.00003	.88
%RSD	1.9045	.54612	.33833	2.5157	.43531	.12809	.47578
#1	.01346	190.88	.24027	.22430	4.5058	.02476	183.72
#2	.01395	191.88	.24177	.23431	4.4926	.02479	184.44
#3	.01387	192.98	.24046	.23441	4.4674	.02473	185.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01395**	**.20579**	**.42783**	**.61192**	**531.91**	**15.041**	**.12827**
Stddev	.00002	.00014	.00085	.00024	8.28	.079	.00060
%RSD	.13503	.06889	.19778	.03925	1.5574	.52617	.47090
#1	.01394	.20587	.42796	.61176	522.35	14.958	.12839
#2	.01397	.20563	.42860	.61180	536.79	15.048	.12762
#3	.01395	.20588	.42692	.61220	536.61	15.116	.12881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.110**	**31.235**	**.01630**	**.95497**	**.50956**	**9.4324**	**.78522**
Stddev	.176	.221	.00008	.00228	.00102	.0107	.00139
%RSD	.72806	.70705	.48009	.23832	.19934	.11348	.17657
#1	23.912	31.237	.01638	.95254	.51007	9.4444	.78629
#2	24.170	31.014	.01627	.95531	.50839	9.4289	.78571
#3	24.247	31.455	.01624	.95705	.51022	9.4239	.78365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007818 Acquired: 4/6/2011 16:56:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.311**	F **379.13**	F **-41997.**	**.02293**	**.02245**	**2.3586**	**.01513**
Stddev	10.445	.58	42.	.00142	.00183	.0108	.00036
%RSD	11.963	.15285	.10109	6.2063	8.1346	.45720	2.4068
#1	79.293	379.27	-42044.	.02456	.02393	2.3505	.01479
#2	83.517	378.49	-41960.	.02194	.02302	2.3708	.01552
#3	99.123	379.62	-41988.	.02228	.02041	2.3544	.01509
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69050**	**.16229**	**.02242**	**.65843**	**.90952**	**.12011**
Stddev	.00170	.00098	.00054	.00229	.00027	.00059
%RSD	.24647	.60177	2.3963	.34824	.02930	.49480
#1	.68884	.16121	.02289	.66042	.90924	.11952
#2	.69042	.16254	.02183	.65895	.90978	.12070
#3	.69224	.16312	.02254	.65592	.90953	.12011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34123.**	**30893.**
Stddev	37.	72.
%RSD	.10729	.23275
#1	34082.	30953.
#2	34153.	30913.
#3	34134.	30813.

Approved: April 07, 2011

Sample Name: L1104007819 Acquired: 4/6/2011 17:00:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01507**	**169.00**	**.23099**	**.21700**	**3.8568**	**.02160**	**48.821**
Stddev	.00050	.32	.00169	.00110	.0031	.00003	.083
%RSD	3.3392	.19218	.73199	.50823	.08147	.12862	.17003
#1	.01468	168.66	.23001	.21644	3.8536	.02161	48.739
#2	.01564	169.04	.23001	.21628	3.8599	.02157	48.818
#3	.01489	169.31	.23294	.21827	3.8571	.02162	48.905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01184**	**.39256**	**.40478**	**.29125**	**513.94**	**15.630**	**.14236**
Stddev	.00004	.00164	.00263	.00255	3.12	.040	.00068
%RSD	.34102	.41902	.65028	.87624	.60708	.25549	.47787
#1	.01179	.39189	.40310	.29009	516.62	15.586	.14301
#2	.01187	.39136	.40342	.28949	510.51	15.638	.14166
#3	.01186	.39444	.40781	.29418	514.67	15.665	.14242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.200**	**43.407**	**.01814**	**.44366**	**.53692**	**7.9379**	**.82260**
Stddev	.044	.493	.00012	.00599	.00305	.0131	.00095
%RSD	.20686	1.1358	.66304	1.3508	.56762	.16451	.11506
#1	21.188	43.973	.01813	.44599	.53699	7.9340	.82213
#2	21.163	43.070	.01826	.44815	.53384	7.9273	.82369
#3	21.248	43.179	.01802	.43686	.53993	7.9525	.82199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007819 Acquired: 4/6/2011 17:00:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **84.720**	F **225.14**	F **-38318.**	**.01464**	**.02718**	**2.4554**	**.01327**
Stddev	7.896	1.31	77.	.00110	.00239	.0068	.00042
%RSD	9.3200	.57971	.20109	7.4986	8.7772	.27779	3.1685
#1	85.646	224.58	-38325.	.01510	.02617	2.4561	.01309
#2	76.403	224.21	-38237.	.01544	.02547	2.4483	.01297
#3	92.113	226.63	-38391.	.01339	.02990	2.4619	.01375
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32222**	**.21201**	**.02543**	**.62700**	**.70959**	**.09948**
Stddev	.00066	.00071	.00121	.00254	.00105	.00055
%RSD	.20366	.33717	4.7412	.40473	.14816	.55587
#1	.32156	.21164	.02568	.62710	.70878	.09907
#2	.32222	.21283	.02412	.62442	.70922	.09925
#3	.32287	.21155	.02649	.62949	.71078	.10011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33407.**	**30411.**
Stddev	101.	195.
%RSD	.30285	.64160
#1	33481.	30240.
#2	33448.	30368.
#3	33292.	30624.

Approved: April 07, 2011

Sample Name: L1104007820 Acquired: 4/6/2011 17:04:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01368**	**183.92**	**.23053**	**.21510**	**4.0210**	**.02276**	**36.747**
Stddev	.00037	.82	.00106	.00418	.0029	.00009	.091
%RSD	2.7252	.44616	.45837	1.9413	.07103	.40003	.24788
#1	.01408	184.84	.23013	.21221	4.0191	.02271	36.852
#2	.01334	183.26	.23173	.21989	4.0243	.02287	36.690
#3	.01362	183.65	.22973	.21319	4.0196	.02271	36.700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.53019**	**.40679**	**.29113**	**535.51**	**7.7067**	**.14528**
Stddev	.00003	.00099	.00234	.00136	4.87	.0112	.00013
%RSD	.34864	.18581	.57481	.46563	.90890	.14529	.09163
#1	.00988	.53037	.40632	.29266	533.61	7.7089	.14543
#2	.00987	.53107	.40933	.29061	541.04	7.6945	.14521
#3	.00982	.52912	.40472	.29011	531.88	7.7166	.14519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.691**	**42.620**	**.01666**	**.67995**	**.55810**	**4.8583**	**.85809**
Stddev	.059	.652	.00014	.00614	.00167	.0087	.00356
%RSD	.26056	1.5297	.85737	.90247	.30001	.17846	.41432
#1	22.659	42.008	.01651	.68246	.55858	4.8598	.85941
#2	22.759	42.547	.01679	.68444	.55948	4.8661	.86080
#3	22.654	43.306	.01668	.67296	.55624	4.8490	.85406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007820 Acquired: 4/6/2011 17:04:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.774**	F **130.42**	F **-19824.**	**.01226**	**.02305**	**1.7978**	**.01180**
Stddev	9.306	.12	25.	.00252	.00216	.0023	.00043
%RSD	11.813	.09380	.12820	20.585	9.3527	.12890	3.6623
#1	89.512	130.31	-19819.	.01073	.02068	1.7989	.01224
#2	73.737	130.55	-19851.	.01087	.02489	1.7992	.01179
#3	73.071	130.40	-19801.	.01517	.02358	1.7951	.01137
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27566**	**.12639**	**.02473**	**.57996**	**.47636**	**.09053**
Stddev	.00080	.00094	.00167	.00049	.00081	.00093
%RSD	.29184	.74219	6.7343	.08365	.16930	1.0275
#1	.27659	.12550	.02607	.58049	.47647	.09000
#2	.27522	.12737	.02287	.57983	.47711	.09161
#3	.27518	.12629	.02526	.57955	.47551	.08999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33445.**	**30387.**
Stddev	62.	167.
%RSD	.18500	.54984
#1	33409.	30194.
#2	33410.	30476.
#3	33516.	30491.

Approved: April 07, 2011

Sample Name: L1104007821 Acquired: 4/6/2011 17:07:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01162**	**196.32**	**.23660**	**.23175**	**3.8219**	**.02299**	**64.452**
Stddev	.00033	1.26	.00045	.01089	.0123	.00011	.432
%RSD	2.8009	.64304	.18906	4.6980	.32204	.48345	.67025
#1	.01126	196.18	.23673	.22654	3.8202	.02287	64.350
#2	.01174	195.13	.23697	.22444	3.8105	.02301	64.079
#3	.01187	197.64	.23610	.24426	3.8349	.02309	64.925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.31077**	**.46725**	**.33822**	**548.31**	**14.058**	**.15250**
Stddev	.00006	.00115	.00287	.00170	15.25	.084	.00108
%RSD	.56790	.36872	.61379	.50313	2.7812	.59402	.71121
#1	.01013	.30948	.46396	.33708	540.56	14.033	.15231
#2	.01020	.31169	.46919	.34017	538.50	13.989	.15153
#3	.01024	.31113	.46860	.33740	565.88	14.151	.15367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.344**	**31.423**	**.01578**	**1.3165**	**.49654**	**9.1264**	**.71554**
Stddev	.165	.725	.00037	.0081	.00051	.0190	.00171
%RSD	.70674	2.3086	2.3591	.61900	.10261	.20777	.23867
#1	23.221	31.076	.01566	1.3079	.49621	9.1297	.71603
#2	23.278	30.936	.01548	1.3241	.49712	9.1435	.71695
#3	23.531	32.257	.01619	1.3174	.49627	9.1060	.71364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007821 Acquired: 4/6/2011 17:07:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.939**	F **270.74**	F **-45079.**	**.01600**	**.02264**	**2.2272**	**.01332**
Stddev	8.938	1.04	33.	.00114	.00211	.0048	.00010
%RSD	11.323	.38537	.07234	7.1333	9.3363	.21446	.76208
#1	75.851	269.70	-45042.	.01585	.02359	2.2226	.01324
#2	89.012	271.79	-45105.	.01720	.02411	2.2321	.01343
#3	71.955	270.75	-45089.	.01494	.02021	2.2270	.01329
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31619**	**.15087**	**.02249**	**.61055**	**.61253**	**.10089**
Stddev	.00170	.00058	.00044	.00121	.00046	.00063
%RSD	.53903	.38323	1.9578	.19775	.07552	.62590
#1	.31582	.15028	.02273	.61193	.61285	.10059
#2	.31471	.15092	.02276	.61003	.61274	.10047
#3	.31805	.15143	.02198	.60968	.61200	.10162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33535.**	**30623.**
Stddev	6.	364.
%RSD	.01718	1.1895
#1	33531.	30722.
#2	33531.	30929.
#3	33541.	30220.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:11:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44725	9.4805	.43391	.53555	.96717	.05288	9.5235
Stddev	.00332	.0774	.00195	.00481	.00368	.00068	.0474
%RSD	.74162	.81688	.45001	.89839	.38076	1.2923	.49745
#1	.44483	9.4039	.43229	.53110	.96669	.05226	9.4872
#2	.44590	9.4790	.43337	.53489	.96376	.05277	9.5061
#3	.45103	9.5587	.43608	.54066	.97107	.05361	9.5771
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05476	F .22123	.52798	F .55252	3.9760	48.647	.98742
Stddev	.00019	.00109	.00618	.00331	.0184	.197	.00247
%RSD	.35472	.49094	1.1710	.59996	.46274	.40550	.24980
#1	.05461	.22019	.52197	.54925	3.9948	48.487	.98772
#2	.05468	.22116	.52765	.55245	3.9580	48.587	.98482
#3	.05498	.22235	.53432	.55588	3.9753	48.868	.98973
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.20000		.50000			
Range		10.000%		10.000%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.047	.51325	.99258	48.111	.53346	F .00065	.54469
Stddev	.022	.00017	.00138	.368	.00099	.00220	.00393
%RSD	.22201	.03250	.13885	.76407	.18648	337.45	.72168
#1	10.029	.51325	.99390	47.694	.53309	-.00185	.54092
#2	10.041	.51341	.99270	48.250	.53270	.00151	.54440
#3	10.072	.51308	.99115	48.389	.53458	.00228	.54876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:11:27 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 20.746	F 11.146	F 6.1993	F 1.3268	.43882	F .01904	1.0848
Stddev	8.106	.083	10.264	.0091	.00351	.00150	.0036
%RSD	39.072	.74089	165.56	.68512	.80100	7.8978	.32830
#1	15.995	11.062	18.012	1.3186	.43674	.01732	1.0822
#2	16.137	11.149	1.1173	1.3251	.43685	.01970	1.0833
#3	30.105	11.228	-.53192	1.3366	.44288	.02011	1.0888
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000	1.2000		5.0000	
Range	10.000%	10.000%	-10.000%	10.000%		-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.97451	1.0075	F .55546	1.0705	1.0448	F .00062
Stddev	.00626	.0023	.00318	.0083	.0048	.00008
%RSD	.64201	.22810	.57244	.77883	.45702	13.346
#1	.96784	1.0061	.55251	1.0621	1.0403	.00055
#2	.97545	1.0063	.55504	1.0706	1.0442	.00072
#3	.98025	1.0102	.55883	1.0788	1.0498	.00060
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	32300.	27717.
Stddev	189.	88.
%RSD	.58542	.31581
#1	32478.	27816.
#2	32320.	27650.
#3	32101.	27685.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 17:14:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.02472**	**.00004**	**-.00291**	**-.00027**	**.00003**	**-.00572**
Stddev	.00002	.00795	.00084	.00023	.00012	.00003	.00466
%RSD	9.8814	32.183	1985.5	7.9091	41.993	93.081	81.500
#1	.00025	-.03180	.00101	-.00309	-.00015	.00005	-.00474
#2	.00020	-.01611	-.00040	-.00298	-.00030	.00000	-.00163
#3	.00023	-.02623	-.00048	-.00265	-.00038	.00005	-.01079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00003**	**-.00038**	**-.00008**	**-.00097**	**.12119**	**.00060**
Stddev	.00004	.00006	.00018	.00002	.00204	.02182	.00048
%RSD	365.63	218.62	47.370	27.728	209.87	18.006	79.988
#1	.00000	.00003	-.00057	-.00007	-.00302	.13607	.00115
#2	.00006	-.00010	-.00021	-.00007	-.00096	.13137	.00034
#3	-.00002	-.00002	-.00037	-.00011	.00106	.09614	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00006**	**.00005**	**.02109**	**-.00001**	**-.00244**	**.00027**
Stddev	.00379	.00030	.00003	.00207	.00029	.00160	.00145
%RSD	1814.8	467.32	53.246	9.8020	5310.2	65.497	531.83
#1	.00102	-.00015	.00008	.02326	-.00034	-.00379	-.00140
#2	-.00392	.00027	.00004	.01915	.00016	-.00067	.00124
#3	.00352	-.00031	.00003	.02086	.00016	-.00287	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 17:14:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.442**	**.00946**	F **3.7700**	**.00086**	**.00144**	**.00024**	**.00002**
Stddev	5.293	.01193	1.8497	.00069	.00141	.00027	.00009
%RSD	32.191	126.08	49.064	80.471	98.521	111.17	453.95
#1	21.185	-.00422	1.8504	.00062	.00160	.00048	-.00002
#2	10.732	.01767	5.5408	.00032	.00276	-.00005	-.00004
#3	17.410	.01493	3.9187	.00164	-.00006	.00029	.00012
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000		.01000				
Low Limit	-.01000		-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00093**	**-.00016**	**-.00014**	**-.00015**	**-.00012**
Stddev	.00002	.00029	.00034	.00005	.00001	.00013
%RSD	31.565	31.105	208.15	39.713	6.1736	109.10
#1	-.00004	.00126	.00012	-.00010	-.00015	.00003
#2	-.00007	.00072	-.00054	-.00010	-.00016	-.00019
#3	-.00008	.00081	-.00007	-.00020	-.00014	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32974.**	**27487.**
Stddev	8.	120.
%RSD	.02430	.43724
#1	32966.	27559.
#2	32982.	27348.
#3	32975.	27554.

Approved: April 07, 2011

Sample Name: L1104007822 Acquired: 4/6/2011 17:18:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01514**	**204.88**	**.25815**	**.23091**	**4.3821**	**.02706**	**70.618**
Stddev	.00027	1.16	.00128	.00352	.0531	.00011	.412
%RSD	1.7508	.56580	.49566	1.5263	1.2122	.41320	.58344
#1	.01541	204.29	.25701	.23341	4.3925	.02693	70.458
#2	.01488	206.22	.25789	.23245	4.3246	.02712	71.087
#3	.01512	204.14	.25954	.22688	4.4293	.02713	70.311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01157**	**.30737**	**.48828**	**.31948**	**571.28**	**9.1074**	**.13068**
Stddev	.00013	.00097	.00244	.00270	4.28	.0631	.00215
%RSD	1.1439	.31584	.50071	.84400	.74836	.69302	1.6486
#1	.01170	.30669	.48546	.32114	574.50	9.0937	.13001
#2	.01144	.30694	.48961	.31637	572.91	9.1762	.13309
#3	.01159	.30848	.48978	.32093	566.43	9.0522	.12894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.306**	**42.557**	**.01664**	**2.2837**	**.52839**	**6.0695**	**.78417**
Stddev	.167	.501	.00006	.0132	.00118	.0112	.00122
%RSD	.82405	1.1761	.38664	.57580	.22315	.18523	.15588
#1	20.202	42.322	.01665	2.2898	.52761	6.0656	.78279
#2	20.499	43.132	.01669	2.2928	.52782	6.0607	.78513
#3	20.217	42.217	.01657	2.2687	.52975	6.0822	.78458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007822 Acquired: 4/6/2011 17:18:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **97.973**	F **181.66**	F **-23359.**	**.01839**	**.02114**	**2.3282**	**.01402**
Stddev	5.856	.58	7.	.00276	.00269	.0092	.00009
%RSD	5.9775	.32067	.03143	15.028	12.732	.39642	.63588
#1	101.09	181.29	-23365.	.01598	.01813	2.3208	.01392
#2	91.218	181.37	-23351.	.01779	.02331	2.3252	.01407
#3	101.61	182.33	-23361.	.02141	.02199	2.3385	.01408
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26454**	**.16639**	**.02777**	**.70333**	**.58535**	**.11166**
Stddev	.00147	.00214	.00186	.00155	.00076	.00048
%RSD	.55512	1.2858	6.6920	.22097	.13006	.42942
#1	.26513	.16537	.02721	.70183	.58461	.11120
#2	.26562	.16885	.02984	.70323	.58532	.11216
#3	.26286	.16496	.02625	.70493	.58613	.11163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34551.**	**31965.**
Stddev	27.	217.
%RSD	.07799	.67810
#1	34569.	31960.
#2	34563.	31751.
#3	34520.	32184.

Approved: April 07, 2011

Sample Name: L1104007823 Acquired: 4/6/2011 17:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01634**	**165.94**	**.22556**	**.19388**	**4.4314**	**.02127**	**87.414**
Stddev	.00013	.77	.00156	.00456	.0440	.00010	.339
%RSD	.79216	.46680	.69266	2.3525	.99244	.45130	.38734
#1	.01638	166.07	.22521	.19464	4.4438	.02135	87.447
#2	.01619	165.11	.22726	.18899	4.4679	.02129	87.060
#3	.01644	166.65	.22420	.19802	4.3826	.02117	87.735
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	**.41555**	**.32924**	**.29617**	**454.75**	**15.903**	**.10712**
Stddev	.00008	.00079	.00304	.00181	8.65	.075	.00039
%RSD	.68911	.19033	.92331	.60973	1.9031	.47273	.36314
#1	.01147	.41645	.33182	.29752	455.40	15.872	.10686
#2	.01147	.41521	.33001	.29687	445.79	15.848	.10756
#3	.01161	.41498	.32589	.29412	463.06	15.989	.10692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.548**	**45.125**	**.01708**	**1.5477**	**.42015**	**11.922**	**.74224**
Stddev	.074	.454	.00022	.0066	.00042	.019	.00210
%RSD	.36170	1.0063	1.3163	.42862	.10113	.15837	.28283
#1	20.507	45.384	.01686	1.5402	.42062	11.943	.74321
#2	20.502	44.601	.01707	1.5498	.42003	11.917	.73983
#3	20.633	45.391	.01731	1.5530	.41979	11.906	.74367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007823 Acquired: 4/6/2011 17:22:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **80.692**	F **389.65**	F **-64543.**	**.01780**	**.02540**	**2.0785**	**.01239**
Stddev	6.260	1.36	50.	.00065	.00145	.0052	.00021
%RSD	7.7573	.34823	.07738	3.6385	5.7245	.25180	1.6618
#1	87.493	391.12	-64492.	.01712	.02406	2.0781	.01263
#2	79.408	389.36	-64591.	.01841	.02521	2.0840	.01225
#3	75.173	388.46	-64546.	.01788	.02695	2.0735	.01230
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33179**	**.16287**	**.02529**	**.63148**	**.74122**	**.09887**
Stddev	.00115	.00058	.00133	.00041	.00108	.00056
%RSD	.34793	.35623	5.2466	.06491	.14585	.56299
#1	.33215	.16341	.02447	.63164	.74246	.09951
#2	.33050	.16295	.02457	.63178	.74052	.09856
#3	.33272	.16225	.02682	.63101	.74067	.09854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33427.**	**30936.**
Stddev	44.	127.
%RSD	.13130	.40898
#1	33379.	30928.
#2	33436.	31066.
#3	33466.	30813.

Approved: April 07, 2011

Sample Name: L1104007824 Acquired: 4/6/2011 17:25:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01460**	**198.00**	**.25664**	**.22249**	**4.7353**	**.02730**	**64.485**
Stddev	.00027	1.64	.00443	.00588	.0305	.00007	.471
%RSD	1.8830	.82963	1.7267	2.6407	.64497	.24322	.73076
#1	.01481	196.10	.25240	.21897	4.7088	.02730	63.942
#2	.01429	199.06	.25627	.21922	4.7284	.02736	64.725
#3	.01470	198.83	.26124	.22927	4.7687	.02723	64.787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01063**	**.32654**	**.50284**	**.34485**	**564.35**	**9.9343**	**.15153**
Stddev	.00011	.00064	.00019	.00154	9.43	.0327	.00155
%RSD	1.0794	.19719	.03729	.44528	1.6711	.32887	1.0202
#1	.01054	.32581	.50305	.34308	558.34	9.8996	.15014
#2	.01059	.32684	.50270	.34586	559.49	9.9388	.15126
#3	.01076	.32699	.50276	.34560	575.22	9.9645	.15320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.722**	**40.547**	**.01896**	**1.5184**	**.56283**	**6.5599**	**.91447**
Stddev	.138	.744	.00024	.0143	.00061	.0126	.00219
%RSD	.60557	1.8338	1.2398	.94112	.10778	.19215	.23961
#1	22.563	40.303	.01898	1.5033	.56333	6.5567	.91195
#2	22.790	41.382	.01918	1.5317	.56301	6.5738	.91579
#3	22.812	39.956	.01871	1.5203	.56215	6.5492	.91569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007824 Acquired: 4/6/2011 17:25:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.514**	F **186.25**	F **-25545.**	**.01730**	**.02150**	**2.0336**	**.01358**
Stddev	3.239	.36	7.	.00070	.00209	.0106	.00030
%RSD	3.7011	.19088	.02898	4.0712	9.7360	.51939	2.1863
#1	91.249	185.83	-25544.	.01727	.01940	2.0225	.01392
#2	85.486	186.45	-25539.	.01662	.02152	2.0435	.01344
#3	85.805	186.45	-25553.	.01802	.02359	2.0347	.01338
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28883**	**.14730**	**.02564**	**.67127**	**.65218**	**.10575**
Stddev	.00163	.00084	.00284	.00216	.00060	.00032
%RSD	.56585	.57030	11.056	.32107	.09216	.30161
#1	.28701	.14671	.02788	.66932	.65151	.10539
#2	.29017	.14693	.02659	.67359	.65268	.10601
#3	.28932	.14826	.02245	.67090	.65235	.10583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34057.**	**31355.**
Stddev	53.	128.
%RSD	.15439	.40931
#1	34112.	31465.
#2	34007.	31214.
#3	34052.	31385.

Approved: April 07, 2011

Sample Name: L1104007825 Acquired: 4/6/2011 17:29:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**160.71**	**.21688**	**.18427**	**3.6711**	**.02000**	**191.85**
Stddev	.00009	.68	.00055	.00087	.0065	.00003	.66
%RSD	.89754	.42241	.25588	.47408	.17706	.12902	.34383
#1	.00981	160.33	.21752	.18375	3.6762	.02001	191.54
#2	.00975	161.50	.21659	.18378	3.6733	.02002	192.60
#3	.00964	160.31	.21653	.18528	3.6638	.01997	191.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.20779**	**.31162**	**.31974**	**443.33**	**16.084**	**.14155**
Stddev	.00006	.00065	.00064	.00147	1.55	.037	.00138
%RSD	.53826	.31296	.20585	.46071	.34890	.22853	.97256
#1	.01092	.20854	.31236	.32144	441.58	16.058	.14308
#2	.01084	.20746	.31133	.31878	444.52	16.126	.14042
#3	.01081	.20737	.31118	.31901	443.88	16.066	.14114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.403**	**24.793**	**.01232**	**.47636**	**.47985**	**9.4035**	**.55523**
Stddev	.024	.523	.00025	.00679	.00144	.0281	.00184
%RSD	.09189	2.1115	1.9895	1.4264	.29943	.29879	.33055
#1	26.415	24.393	.01251	.47877	.48144	9.4352	.55312
#2	26.420	25.385	.01204	.48162	.47864	9.3817	.55609
#3	26.375	24.600	.01239	.46869	.47946	9.3935	.55648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007825 Acquired: 4/6/2011 17:29:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **81.131**	F **417.20**	F **-46373.**	**.01760**	**.01999**	**2.4632**	**.01258**
Stddev	7.436	1.74	64.	.00096	.00016	.0071	.00009
%RSD	9.1650	.41727	.13828	5.4273	.80331	.28661	.72368
#1	77.456	419.20	-46439.	.01830	.01988	2.4709	.01267
#2	76.249	416.12	-46368.	.01651	.01991	2.4570	.01249
#3	89.689	416.27	-46311.	.01798	.02017	2.4618	.01256
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33603**	**.14831**	**.01750**	**.47690**	**.74246**	**.07838**
Stddev	.00116	.00170	.00030	.00094	.00153	.00013
%RSD	.34388	1.1441	1.7316	.19750	.20608	.16910
#1	.33497	.14978	.01776	.47660	.74395	.07851
#2	.33727	.14645	.01758	.47615	.74089	.07825
#3	.33586	.14871	.01717	.47796	.74254	.07839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33232.**	**30736.**
Stddev	112.	165.
%RSD	.33730	.53764
#1	33103.	30707.
#2	33291.	30587.
#3	33303.	30914.

Approved: April 07, 2011

Sample Name: L1104007826 Acquired: 4/6/2011 17:33:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01256**	**183.31**	**.24189**	**.20720**	**4.1066**	**.02439**	**120.39**
Stddev	.00030	1.07	.00072	.00193	.0546	.00011	.59
%RSD	2.3865	.58615	.29912	.93220	1.3293	.43670	.49311
#1	.01240	182.71	.24110	.20939	4.1013	.02436	119.99
#2	.01291	184.55	.24204	.20644	4.1637	.02430	121.07
#3	.01237	182.68	.24252	.20576	4.0549	.02450	120.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01033**	**.27252**	**.36690**	**.32596**	**514.38**	**9.3167**	**.13093**
Stddev	.00015	.00104	.00128	.00280	2.31	.0372	.00083
%RSD	1.4953	.38084	.34848	.85869	.44900	.39893	.63195
#1	.01018	.27179	.36633	.32417	517.00	9.3413	.13078
#2	.01049	.27207	.36600	.32453	513.54	9.3349	.13182
#3	.01031	.27371	.36836	.32919	512.62	9.2739	.13018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.523**	**30.688**	**.01660**	**.79792**	**.49995**	**5.9678**	**.68588**
Stddev	.143	.079	.00027	.00744	.00054	.0141	.00174
%RSD	.63619	.25633	1.6162	.93275	.10768	.23556	.25336
#1	22.363	30.623	.01671	.79873	.49952	5.9573	.68442
#2	22.640	30.775	.01629	.80492	.49978	5.9623	.68541
#3	22.566	30.665	.01680	.79010	.50055	5.9837	.68780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1104007826 Acquired: 4/6/2011 17:33:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **101.16**	F **252.63**	F **-27249.**	**.01780**	**.01903**	**1.6599**	**.01324**
Stddev	7.36	1.41	40.	.00149	.00184	.0063	.00032
%RSD	7.2720	.55923	.14747	8.3712	9.6474	.38161	2.4062
#1	109.57	252.07	-27205.	.01742	.02085	1.6595	.01301
#2	98.040	251.58	-27261.	.01944	.01718	1.6537	.01360
#3	95.886	254.24	-27282.	.01653	.01907	1.6664	.01310
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30973**	**.13579**	**.02351**	**.61434**	**.56438**	**.09678**
Stddev	.00100	.00143	.00106	.00334	.00096	.00055
%RSD	.32210	1.0521	4.5158	.54443	.17073	.56881
#1	.30915	.13595	.02362	.61205	.56382	.09655
#2	.31089	.13429	.02239	.61280	.56382	.09639
#3	.30917	.13713	.02450	.61818	.56549	.09741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34409.**	**32530.**
Stddev	70.	133.
%RSD	.20258	.40788
#1	34440.	32613.
#2	34457.	32377.
#3	34329.	32600.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:37:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44294	9.1520	.42488	.52094	.93048	.05194	9.1669
Stddev	.00107	.0309	.00060	.00123	.00644	.00015	.0442
%RSD	.24188	.33718	.14044	.23639	.69202	.28114	.48260
#1	.44189	9.1318	.42554	.51981	.92357	.05184	9.1441
#2	.44288	9.1366	.42438	.52225	.93156	.05211	9.1386
#3	.44403	9.1875	.42472	.52075	.93631	.05187	9.2178
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05345	.21658	.51213	.53949	3.9995	47.038	.96000
Stddev	.00007	.00008	.00157	.00202	.0179	.221	.00519
%RSD	.13530	.03561	.30617	.37518	.44754	.46913	.54064
#1	.05353	.21656	.51058	.54180	4.0078	46.846	.95485
#2	.05344	.21666	.51372	.53861	4.0118	46.989	.95993
#3	.05339	.21652	.51210	.53805	3.9790	47.279	.96523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.6892	.50857	.98312	47.120	.52175	F .00264	.53384
Stddev	.0384	.00198	.00248	.123	.00086	.00078	.00182
%RSD	.39659	.38936	.25265	.26140	.16552	29.419	.34061
#1	9.6816	.51069	.98039	47.077	.52268	.00174	.53193
#2	9.6552	.50824	.98369	47.025	.52162	.00307	.53406
#3	9.7309	.50678	.98526	47.259	.52097	.00309	.53555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 17:37:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **32.373**	**10.982**	F **-.89058**	**1.2882**	**.42953**	F **2.3256**	**1.0553**
Stddev	4.903	.025	8.8035	.0035	.00155	.0028	.0012
%RSD	15.146	.22617	988.51	.27362	.36165	.12133	.11310
#1	28.636	10.956	-6.9753	1.2850	.43123	2.3230	1.0539
#2	30.557	11.005	9.2040	1.2875	.42919	2.3253	1.0562
#3	37.925	10.984	-4.9005	1.2920	.42818	2.3286	1.0556
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94245**	**.97112**	**.54056**	**1.0582**	**1.0303**	F **.00102**
Stddev	.00304	.00541	.00171	.0012	.0015	.00014
%RSD	.32212	.55689	.31620	.10888	.14944	13.566
#1	.94002	.96576	.53870	1.0581	1.0286	.00087
#2	.94146	.97102	.54207	1.0594	1.0309	.00104
#3	.94585	.97658	.54090	1.0571	1.0315	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32816.**	**28778.**
Stddev	39.	227.
%RSD	.12034	.78924
#1	32854.	28679.
#2	32775.	29037.
#3	32820.	28617.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 17:40:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.02561**	**-.00028**	**-.00258**	**-.00030**	**.00004**	**-.00102**
Stddev	.00104	.00380	.00080	.00035	.00015	.00000	.00665
%RSD	2099.4	14.840	290.02	13.428	49.418	12.433	651.73
#1	.00067	-.02192	.00032	-.00269	-.00021	.00004	-.00804
#2	-.00115	-.02541	.00003	-.00286	-.00022	.00004	.00519
#3	.00063	-.02952	-.00119	-.00220	-.00047	.00003	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00006**	**-.00021**	**.00004**	**.01040**	**.13682**	**.00079**
Stddev	.00010	.00004	.00028	.00041	.00335	.00631	.00096
%RSD	3067.9	68.763	135.09	1147.7	32.185	4.6147	120.59
#1	.00012	-.00007	-.00012	-.00035	.01279	.13556	-.00007
#2	-.00001	-.00009	-.00052	.00000	.01182	.13123	.00063
#3	-.00009	-.00001	.00002	.00046	.00657	.14367	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01057**	**.00057**	**-.00003**	**.03016**	**-.00022**	**-.00082**	**-.00094**
Stddev	.01266	.00016	.00010	.00304	.00022	.00188	.00079
%RSD	119.74	27.755	350.80	10.095	98.272	227.57	83.919
#1	.00905	.00065	.00006	.03240	.00003	-.00053	-.00102
#2	.02393	.00066	-.00001	.02669	-.00034	.00089	-.00168
#3	-.00126	.00039	-.00014	.03139	-.00036	-.00283	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 17:40:30 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **27.803**	F **.01594**	F **6.2314**	**.00082**	**.00099**	**.00171**	**-.00003**
Stddev	7.149	.02085	9.1858	.00034	.00083	.00133	.00012
%RSD	25.714	130.78	147.41	41.260	83.286	77.994	349.21
#1	28.166	.03705	.50078	.00063	.00167	.00325	-.00005
#2	20.479	-.00463	1.3670	.00062	.00007	.00085	-.00014
#3	34.764	.01540	16.826	.00121	.00124	.00103	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00095**	**-.00033**	**-.00016**	**-.00008**	**.00003**
Stddev	.00005	.00028	.00045	.00013	.00006	.00003
%RSD	85.341	28.886	133.73	82.158	77.602	100.78
#1	-.00005	.00125	-.00039	-.00027	-.00003	.00000
#2	-.00011	.00071	-.00075	-.00021	-.00005	.00005
#3	-.00001	.00090	.00014	-.00001	-.00014	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32877.**	**28130.**
Stddev	304.	124.
%RSD	.92417	.44111
#1	32526.	28000.
#2	33061.	28142.
#3	33043.	28247.

Approved: April 07, 2011

Sample Name: PBS 6R Acquired: 4/6/2011 17:44:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.02073**	**-.00265**	**-.00290**	**.00022**	**.00004**	**.04139**
Stddev	.00006	.00577	.00042	.00057	.00009	.00001	.00264
%RSD	14.782	27.815	15.973	19.582	41.697	34.133	6.3840
#1	.00040	-.02518	-.00304	-.00266	.00023	.00004	.04254
#2	.00037	-.02280	-.00220	-.00354	.00013	.00003	.04326
#3	.00049	-.01422	-.00271	-.00249	.00031	.00006	.03837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00048**	**.00243**	**.00007**	**.02341**	**.17441**	**.00049**
Stddev	.00002	.00017	.00015	.00032	.00052	.01357	.00049
%RSD	7.7471	35.982	6.2055	474.09	2.2271	7.7781	99.917
#1	.00022	-.00033	.00235	.00040	.02337	.19000	-.00001
#2	.00022	-.00044	.00233	.00004	.02396	.16529	.00098
#3	.00019	-.00067	.00260	-.00024	.02292	.16794	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01529**	**.00004**	**.00011**	**.07877**	**.00129**	F **-.01212**	**-.00040**
Stddev	.00770	.00016	.00017	.00381	.00023	.00230	.00060
%RSD	50.368	372.22	156.07	4.8384	17.432	19.019	149.60
#1	.00640	.00022	.00015	.08234	.00126	-.01025	.00027
#2	.01946	.00000	.00026	.07922	.00154	-.01141	-.00058
#3	.02001	-.00009	-.00008	.07475	.00109	-.01470	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 6R Acquired: 4/6/2011 17:44:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **41.086**	**1.1186**	F **-218.26**	**.00180**	**.00241**	**.00941**	**.00005**
Stddev	3.363	.0432	7.66	.00062	.00059	.00048	.00009
%RSD	8.1848	3.8623	3.5082	34.301	24.390	5.0661	158.54
#1	44.331	1.1649	-210.50	.00235	.00175	.00986	.00002
#2	37.616	1.1117	-225.81	.00192	.00288	.00944	-.00001
#3	41.311	1.0793	-218.46	.00113	.00259	.00891	.00015
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00172**	**-.00239**	**-.00006**	**.00331**	**-.00003**
Stddev	.00002	.00029	.00051	.00028	.00006	.00004
%RSD	86.834	16.650	21.224	434.28	1.9464	147.02
#1	-.00003	.00192	-.00186	-.00001	.00338	-.00003
#2	-.00003	.00186	-.00244	.00018	.00326	.00001
#3	.00000	.00139	-.00287	-.00037	.00330	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32503.**	**28004.**
Stddev	202.	148.
%RSD	.61994	.52724
#1	32287.	28174.
#2	32535.	27913.
#3	32687.	27924.

Approved: April 07, 2011

Sample Name: LCSS 6R Acquired: 4/6/2011 17:47:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20677**	**-.01837**	**.20217**	**-.00336**	**.00024**	**.00008**	**.01804**
Stddev	.00287	.00052	.00134	.00031	.00004	.00002	.00330
%RSD	1.3888	2.8178	.66344	9.1081	17.580	24.234	18.265
#1	.20465	-.01881	.20169	-.00360	.00028	.00008	.02184
#2	.20563	-.01780	.20113	-.00302	.00020	.00006	.01589
#3	.21004	-.01850	.20368	-.00348	.00023	.00009	.01640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02594**	**-.00035**	**.00072**	**.27247**	**.01230**	**.10685**	**.00077**
Stddev	.00008	.00006	.00017	.00198	.00096	.01733	.00067
%RSD	.30875	16.524	23.102	.72744	7.8039	16.220	86.986
#1	.02597	-.00037	.00053	.27091	.01191	.09619	.00033
#2	.02585	-.00028	.00083	.27180	.01339	.12685	.00154
#3	.02601	-.00039	.00081	.27470	.01159	.09752	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.26171**	**.00006**	**.06787**	**.00097**	F **-.01281**	**.27394**
Stddev	.01186	.00048	.00013	.00210	.00010	.00230	.00034
%RSD	104.80	.18354	224.15	3.0977	10.464	17.938	.12258
#1	.00980	.26147	.00003	.06563	.00092	-.01504	.27381
#2	.00029	.26140	.00020	.06820	.00089	-.01294	.27432
#3	.02387	.26227	-.00005	.06979	.00108	-.01045	.27369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 6R Acquired: 4/6/2011 17:47:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **36.460**	**.07754**	F **-.03369**	**.00152**	**.00254**	**.00631**	**.00004**
Stddev	3.060	.00059	8.7382	.00027	.00159	.00021	.00027
%RSD	8.3935	.75560	25935.	17.732	62.609	3.3870	651.46
#1	34.406	.07749	1.9605	.00174	.00396	.00627	-.00005
#2	34.996	.07815	7.5350	.00159	.00082	.00654	.00034
#3	39.977	.07698	-9.5966	.00122	.00283	.00611	-.00016
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00178**	**-.00077**	**.00000**	**.00270**	**-.00006**
Stddev	.00006	.00068	.00035	.0001	.00005	.00004
%RSD	65.684	38.152	45.394	1890.5	1.8195	63.812
#1	-.00016	.00208	-.00093	-.00007	.00265	-.00011
#2	-.00006	.00225	-.00037	.00000	.00275	-.00005
#3	-.00005	.00100	-.00102	.00005	.00270	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32667.**	**27827.**
Stddev	117.	115.
%RSD	.35852	.41408
#1	32705.	27819.
#2	32760.	27946.
#3	32536.	27716.

Approved: April 07, 2011

Sample Name: L1103090626 Acquired: 4/6/2011 17:51:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03486**	**182.00**	**.22667**	**.22197**	**2.3095**	^ *****	**435.53**
Stddev	.00017	.56	.00199	.00217	.0036	-----	3.32
%RSD	.48298	.30635	.87936	.97905	.15681	-----	.76186
#1	.03470	181.36	.22438	.22148	2.3056	^ -----	432.70
#2	.03484	182.24	.22802	.22434	2.3100	^ -----	439.18
#3	.03503	182.40	.22760	.22008	2.3128	^ -----	434.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01301**	**.15699**	**.35099**	**15.104**	**331.67**	**46.137**	**.30442**
Stddev	.00002	.00039	.00103	.035	2.13	.107	.00194
%RSD	.16583	.25117	.29373	.23377	.64125	.23258	.63761
#1	.01302	.15729	.34999	15.106	332.20	46.014	.30230
#2	.01303	.15712	.35205	15.139	333.48	46.186	.30486
#3	.01299	.15654	.35094	15.068	329.32	46.211	.30611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**129.55**	**5.8220**	**.07416**	**3.3417**	**.27395**	**14.063**	**.79177**
Stddev	.67	.0140	.00031	.0070	.00069	.010	.00080
%RSD	.51527	.23979	.41550	.20854	.25151	.07011	.10069
#1	128.87	5.8080	.07407	3.3390	.27460	14.058	.79125
#2	129.58	5.8221	.07450	3.3496	.27403	14.074	.79268
#3	130.21	5.8359	.07390	3.3365	.27322	14.056	.79137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090626 Acquired: 4/6/2011 17:51:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.029**	F **868.21**	F **-87459.**	**.01788**	**.01453**	**1.9323**	**.10064**
Stddev	1.989	1.14	56.	.00059	.00296	.0014	.00008
%RSD	2.2347	.13105	.06403	3.2818	20.334	.07516	.08331
#1	87.701	868.58	-87518.	.01788	.01328	1.9330	.10054
#2	88.069	869.12	-87452.	.01847	.01791	1.9334	.10071
#3	91.316	866.94	-87407.	.01730	.01241	1.9307	.10066
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9283**	**4.6485**	**.02122**	**.66702**	**1.6111**	**.10294**
Stddev	.0046	.0092	.00086	.00201	.0019	.00052
%RSD	.23580	.19770	4.0747	.30203	.12109	.50212
#1	1.9243	4.6402	.02041	.66864	1.6106	.10293
#2	1.9333	4.6468	.02213	.66476	1.6133	.10346
#3	1.9274	4.6584	.02112	.66765	1.6095	.10242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31198.**	**29735.**
Stddev	32.	101.
%RSD	.10257	.33969
#1	31185.	29819.
#2	31174.	29763.
#3	31234.	29623.

Approved: April 07, 2011

Sample Name: L1103090626PS Acquired: 4/6/2011 17:54:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360942-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24796**	**171.49**	**.40675**	**1.1518**	**2.5684**	**.02804**	**404.36**
Stddev	.00120	.75	.00335	.0039	.0104	.00003	8.03
%RSD	.48553	.43639	.82359	.33597	.40568	.10713	1.9869
#1	.24935	170.76	.41046	1.1532	2.5593	.02803	395.92
#2	.24733	171.46	.40585	1.1474	2.5662	.02802	411.92
#3	.24720	172.26	.40394	1.1547	2.5798	.02807	405.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03745**	**.23927**	**.56095**	**13.883**	**304.86**	**65.625**	**.75917**
Stddev	.00008	.00071	.00115	.054	1.54	.218	.00155
%RSD	.21555	.29669	.20514	.39163	.50360	.33178	.20445
#1	.03754	.23990	.56088	13.945	303.19	65.402	.75774
#2	.03740	.23850	.55983	13.844	305.19	65.636	.75895
#3	.03741	.23940	.56213	13.860	306.21	65.837	.76082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**122.89**	**5.5602**	**.54974**	**26.825**	**.48517**	**12.795**	**.94903**
Stddev	.39	.0023	.00100	.053	.00156	.042	.00388
%RSD	.31855	.04095	.18197	.19626	.32246	.32706	.40886
#1	122.59	5.5576	.54926	26.765	.48692	12.843	.95285
#2	122.75	5.5618	.55089	26.862	.48390	12.769	.94510
#3	123.33	5.5613	.54907	26.849	.48470	12.773	.94915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090626PS Acquired: 4/6/2011 17:54:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360942-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.903**	F **789.05**	F **-79753.**	**.61090**	**.21155**	**4.2949**	**.09238**
Stddev	1.824	3.05	111.	.00068	.00389	.0118	.00022
%RSD	2.1229	.38699	.13866	.11083	1.8408	.27566	.23635
#1	84.621	792.31	-79877.	.61167	.20728	4.3086	.09246
#2	85.098	786.25	-79717.	.61058	.21245	4.2877	.09256
#3	87.991	788.59	-79664.	.61043	.21491	4.2885	.09214
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.2300**	**4.7236**	**.24475**	**1.1240**	**1.9225**	**.09408**
Stddev	.0018	.0081	.00119	.0021	.0022	.00019
%RSD	.08109	.17187	.48783	.18718	.11339	.20207
#1	2.2279	4.7154	.24444	1.1264	1.9250	.09427
#2	2.2306	4.7239	.24373	1.1226	1.9209	.09389
#3	2.2313	4.7316	.24606	1.1229	1.9216	.09409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31246.**	**29474.**
Stddev	49.	21.
%RSD	.15612	.07036
#1	31210.	29497.
#2	31302.	29470.
#3	31227.	29456.

Approved: April 07, 2011

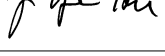
Sample Name: L1103090626SDL Acquired: 4/6/2011 17:58:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00743**	**37.643**	**.04742**	**.04871**	**.47273**	**.00052**	**95.911**
Stddev	.00067	.242	.00103	.00056	.00263	.00001	.516
%RSD	9.0684	.64200	2.1723	1.1502	.55672	2.2767	.53748
#1	.00761	37.736	.04634	.04925	.47311	.00051	96.132
#2	.00669	37.369	.04754	.04875	.46992	.00053	95.322
#3	.00800	37.825	.04839	.04813	.47514	.00052	96.280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**.03448**	**.07324**	**3.2405**	**72.023**	**9.7690**	**.06160**
Stddev	.00008	.00025	.00033	.0093	.269	.0464	.00186
%RSD	2.7068	.71066	.44778	.28572	.37359	.47455	3.0126
#1	.00291	.03420	.07288	3.2399	72.101	9.7808	.06166
#2	.00275	.03459	.07352	3.2315	71.724	9.7179	.05972
#3	.00283	.03465	.07331	3.2500	72.245	9.8083	.06343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.359**	**1.2463**	**.01504**	**.70837**	**.05979**	**3.0782**	**.18224**
Stddev	.094	.0025	.00025	.01193	.00027	.0125	.00151
%RSD	.33204	.19702	1.6887	1.6836	.44464	.40635	.82938
#1	28.462	1.2491	.01492	.71868	.05974	3.0654	.18049
#2	28.278	1.2449	.01486	.71113	.05955	3.0787	.18318
#3	28.336	1.2448	.01533	.69531	.06007	3.0904	.18304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103090626SDL Acquired: 4/6/2011 17:58:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **37.476**	F **191.89**	F **-18926.**	**.00366**	**.00321**	**.40976**	**.02198**
Stddev	1.628	.47	89.	.00119	.00075	.00160	.00028
%RSD	4.3434	.24566	.47256	32.600	23.409	.38950	1.2632
#1	37.746	191.70	-18836.	.00309	.00311	.40794	.02217
#2	38.951	191.54	-18926.	.00503	.00401	.41041	.02166
#3	35.729	192.43	-19015.	.00285	.00252	.41093	.02211
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39664**	**.96866**	**.00532**	**.13603**	**.35028**	**.02007**
Stddev	.00165	.00160	.00018	.00034	.00079	.00012
%RSD	.41644	.16568	3.2990	.24890	.22679	.60986
#1	.39749	.97040	.00545	.13622	.35061	.02013
#2	.39474	.96836	.00512	.13623	.34937	.02015
#3	.39769	.96723	.00539	.13564	.35085	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33474.**	**29015.**
Stddev	115.	131.
%RSD	.34293	.45153
#1	33562.	29015.
#2	33516.	29146.
#3	33344.	28884.

Approved: April 07, 2011

Sample Name: L1103090626SDL Acquired: 4/6/2011 18:01:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00138**	**7.6142**	**.01105**	**.00723**	**.09430**	**.00010**	**19.287**
Stddev	.00030	.0160	.00076	.00014	.00018	.00003	.039
%RSD	22.006	.21075	6.9066	1.9272	.18791	25.806	.20244
#1	.00104	7.6191	.01093	.00718	.09450	.00012	19.309
#2	.00163	7.6272	.01186	.00739	.09423	.00012	19.309
#3	.00147	7.5962	.01035	.00713	.09417	.00007	19.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00737**	**.01488**	**.68449**	**14.462**	**2.0701**	**.01278**
Stddev	.00006	.00015	.00012	.00103	.033	.0162	.00106
%RSD	11.171	2.0253	.78739	.15113	.22689	.78387	8.2533
#1	.00050	.00731	.01476	.68397	14.485	2.0888	.01157
#2	.00056	.00754	.01500	.68568	14.477	2.0602	.01331
#3	.00044	.00726	.01488	.68381	14.425	2.0613	.01348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.8592**	**.25805**	**.00281**	**.15879**	**.01274**	**.64268**	**.03786**
Stddev	.0191	.00063	.00023	.00577	.00043	.00183	.00086
%RSD	.32642	.24462	8.0463	3.6363	3.3502	.28517	2.2631
#1	5.8546	.25806	.00266	.15376	.01225	.64301	.03772
#2	5.8802	.25741	.00270	.16510	.01292	.64070	.03878
#3	5.8428	.25867	.00307	.15753	.01304	.64432	.03708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090626SDL Acquired: 4/6/2011 18:01:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360942-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.838**	F **42.252**	F **-3923.5**	**-.00007**	**.00071**	**.08117**	**.00431**
Stddev	8.813	.255	10.3	.00083	.00233	.00004	.00010
%RSD	28.579	.60384	.26304	1139.8	327.51	.04868	2.3835
#1	39.280	41.965	-3919.3	-.00077	-.00176	.08118	.00425
#2	31.541	42.454	-3915.8	-.00030	.00101	.08120	.00424
#3	21.695	42.336	-3935.2	.00085	.00288	.08112	.00442
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08064**	**.19711**	**.00209**	**.02761**	**.07466**	**.00366**
Stddev	.00009	.00010	.00030	.00012	.00031	.00005
%RSD	.11033	.04956	14.376	.42598	.41161	1.4031
#1	.08055	.19720	.00243	.02764	.07431	.00367
#2	.08072	.19711	.00184	.02771	.07489	.00360
#3	.08065	.19701	.00200	.02748	.07478	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**34032.**	**28813.**
Stddev	63.	49.
%RSD	.18616	.16997
#1	34105.	28758.
#2	33993.	28828.
#3	33998.	28853.

Approved: April 07, 2011

Sample Name: L1103090627 Acquired: 4/6/2011 18:05:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03451**	**174.98**	**.16173**	**.18510**	**2.7889**	^ *****	**400.87**
Stddev	.00058	.52	.00089	.00275	.0063	-----	1.28
%RSD	1.6918	.29716	.55087	1.4861	.22703	-----	.31882
#1	.03483	175.32	.16258	.18649	2.7902	^ -----	400.39
#2	.03487	174.38	.16179	.18688	2.7821	^ -----	399.90
#3	.03384	175.23	.16080	.18193	2.7945	^ -----	402.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00925**	**.14935**	**.32423**	**7.1334**	**306.93**	**46.908**	**.27473**
Stddev	.00004	.00004	.00198	.0147	5.13	.136	.00059
%RSD	.46620	.02862	.61002	.20545	1.6705	.28906	.21358
#1	.00920	.14940	.32629	7.1474	308.18	46.909	.27487
#2	.00927	.14931	.32234	7.1182	311.31	46.772	.27523
#3	.00928	.14936	.32404	7.1346	301.29	47.043	.27409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.69**	**5.9288**	**.04723**	**1.8481**	**.27289**	**13.258**	**.35572**
Stddev	.29	.0089	.00022	.0057	.00034	.016	.00118
%RSD	.24158	.14983	.47204	.31061	.12601	.12190	.33116
#1	120.55	5.9354	.04738	1.8547	.27250	13.276	.35585
#2	120.49	5.9187	.04697	1.8448	.27313	13.247	.35448
#3	121.02	5.9323	.04733	1.8447	.27305	13.251	.35682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090627 Acquired: 4/6/2011 18:05:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **103.32**	F **592.87**	F **-35703.**	**.00995**	**.00766**	**1.5084**	**.03283**
Stddev	3.44	1.05	59.	.00291	.00124	.0008	.00041
%RSD	3.3342	.17670	.16562	29.212	16.228	.05148	1.2483
#1	99.658	593.25	-35723.	.01081	.00879	1.5088	.03287
#2	106.50	591.68	-35636.	.01233	.00785	1.5075	.03321
#3	103.82	593.67	-35750.	.00671	.00633	1.5089	.03240
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7418**	**5.0084**	**.02033**	**.60291**	**.97385**	**.09602**
Stddev	.0040	.0058	.00162	.00204	.00091	.00073
%RSD	.22848	.11512	7.9790	.33914	.09324	.76341
#1	1.7458	5.0121	.01888	.60461	.97468	.09684
#2	1.7379	5.0018	.02208	.60346	.97288	.09578
#3	1.7416	5.0114	.02002	.60064	.97400	.09544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31455.**	**30302.**
Stddev	73.	251.
%RSD	.23326	.82717
#1	31373.	30027.
#2	31514.	30360.
#3	31479.	30519.

Approved: April 07, 2011

Sample Name: L1103090628 Acquired: 4/6/2011 18:08:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03566**	**170.32**	**.19848**	**.19139**	**2.2603**	^ *****	**334.07**
Stddev	.00028	.69	.00147	.00182	.0104	-----	3.22
%RSD	.77229	.40799	.74289	.94926	.46200	-----	.96244
#1	.03557	169.57	.19727	.19339	2.2491	^ -----	332.01
#2	.03545	170.94	.19805	.19094	2.2622	^ -----	332.42
#3	.03597	170.46	.20012	.18984	2.2697	^ -----	337.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.14159**	**.33409**	**10.377**	**289.35**	**46.005**	**.25904**
Stddev	.00004	.00007	.00205	.028	2.93	.203	.00045
%RSD	.35854	.05056	.61294	.26820	1.0130	.44070	.17257
#1	.01110	.14151	.33176	10.354	292.46	45.771	.25947
#2	.01102	.14164	.33493	10.370	288.96	46.108	.25908
#3	.01107	.14163	.33559	10.408	286.64	46.135	.25858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.92**	**5.6818**	**.04144**	**2.6204**	**.27084**	**13.219**	**.41273**
Stddev	.63	.0123	.00027	.0119	.00025	.029	.00188
%RSD	.54200	.21722	.64696	.45552	.09137	.21813	.45539
#1	116.25	5.6695	.04163	2.6163	.27057	13.188	.41068
#2	117.00	5.6942	.04156	2.6339	.27105	13.224	.41312
#3	117.50	5.6815	.04113	2.6111	.27090	13.245	.41438
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090628 Acquired: 4/6/2011 18:08:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **103.57**	F **565.77**	F **-45161.**	**.01145**	**.01148**	**1.9054**	**.03502**
Stddev	5.79	2.04	36.	.00058	.00110	.0025	.00011
%RSD	5.5880	.36097	.07894	5.0804	9.5785	.13204	.31104
#1	97.359	564.09	-45120.	.01101	.01035	1.9027	.03498
#2	108.81	565.19	-45178.	.01122	.01156	1.9059	.03493
#3	104.53	568.04	-45184.	.01211	.01254	1.9077	.03514
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6029**	**5.0538**	**.01830**	**.58299**	**.96588**	**.08685**
Stddev	.0048	.0089	.00071	.00253	.00263	.00064
%RSD	.29686	.17550	3.8813	.43411	.27179	.73734
#1	1.6019	5.0440	.01761	.58037	.96332	.08611
#2	1.6080	5.0562	.01903	.58317	.96577	.08717
#3	1.5987	5.0612	.01825	.58542	.96856	.08726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31726.**	**30434.**
Stddev	109.	18.
%RSD	.34233	.06073
#1	31826.	30435.
#2	31743.	30452.
#3	31610.	30415.

Approved: April 07, 2011

Sample Name: L1103090629 Acquired: 4/6/2011 18:12:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05744**	**195.85**	**.19609**	**.18439**	**3.3972**	**.00673**	**467.57**
Stddev	.00059	.25	.00093	.00369	.0063	.00007	3.04
%RSD	1.0198	.12725	.47316	2.0010	.18404	1.0708	.65089
#1	.05788	195.68	.19523	.18274	3.4043	.00681	466.92
#2	.05678	195.74	.19707	.18181	3.3924	.00671	470.88
#3	.05767	196.14	.19595	.18861	3.3949	.00667	464.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.14925**	**.34702**	**10.236**	**324.48**	**45.698**	**.29942**
Stddev	.00010	.00027	.00052	.019	3.14	.021	.00093
%RSD	.89557	.18329	.15076	.18098	.96844	.04526	.31095
#1	.01062	.14904	.34658	10.219	324.32	45.719	.29837
#2	.01081	.14955	.34760	10.256	321.42	45.677	.30013
#3	.01075	.14914	.34688	10.233	327.70	45.699	.29977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**123.56**	**6.1267**	**.05542**	**2.3214**	**.26935**	**13.077**	**.34286**
Stddev	.16	.0059	.00026	.0070	.00022	.022	.00040
%RSD	.13054	.09588	.46049	.30163	.08140	.16999	.11717
#1	123.38	6.1262	.05571	2.3211	.26912	13.072	.34239
#2	123.68	6.1329	.05528	2.3145	.26955	13.102	.34311
#3	123.63	6.1211	.05525	2.3285	.26939	13.059	.34307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090629 Acquired: 4/6/2011 18:12:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **92.843**	F **735.81**	F **-49606.**	**.01484**	**.00867**	**2.5330**	**.02732**
Stddev	5.386	1.68	31.	.00085	.00441	.0074	.00004
%RSD	5.8010	.22880	.06217	5.7520	50.872	.29106	.13350
#1	96.719	734.07	-49639.	.01388	.00568	2.5348	.02732
#2	86.693	737.43	-49578.	.01552	.00659	2.5393	.02728
#3	95.118	735.93	-49602.	.01512	.01373	2.5249	.02735
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0655**	**3.4888**	**.01810**	**.62462**	**.96368**	**.12556**
Stddev	.0032	.0019	.00051	.00073	.00159	.00030
%RSD	.15277	.05493	2.8095	.11728	.16516	.23924
#1	2.0644	3.4910	.01839	.62537	.96207	.12559
#2	2.0631	3.4873	.01751	.62460	.96525	.12525
#3	2.0691	3.4882	.01839	.62390	.96373	.12585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31545.**	**30341.**
Stddev	60.	134.
%RSD	.18953	.44287
#1	31572.	30323.
#2	31476.	30217.
#3	31587.	30483.

Approved: April 07, 2011

Sample Name: L1103090630 Acquired: 4/6/2011 18:16:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02539**	**179.47**	**.18572**	**.18073**	**2.4418**	**.00459**	**419.50**
Stddev	.00039	1.50	.00127	.00115	.0126	.00003	3.88
%RSD	1.5370	.83852	.68509	.63881	.51615	.74678	.92585
#1	.02503	178.09	.18427	.17974	2.4277	.00456	415.11
#2	.02581	179.24	.18621	.18044	2.4457	.00463	420.94
#3	.02532	181.08	.18666	.18200	2.4519	.00459	422.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00734**	**.13543**	**.34243**	**4.0238**	**301.15**	**47.950**	**.27486**
Stddev	.00011	.00049	.00185	.0168	.78	.267	.00241
%RSD	1.5507	.36326	.54138	.41679	.25836	.55639	.87742
#1	.00722	.13486	.34072	4.0047	300.67	47.705	.27244
#2	.00745	.13569	.34216	4.0305	300.73	47.911	.27727
#3	.00736	.13573	.34440	4.0362	302.05	48.234	.27488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.28**	**5.5798**	**.02280**	**2.2665**	**.26704**	**11.781**	**.24255**
Stddev	.30	.0017	.00038	.0146	.00048	.032	.00085
%RSD	.25183	.03025	1.6451	.64438	.17990	.27580	.35087
#1	119.95	5.5779	.02298	2.2586	.26649	11.747	.24261
#2	120.55	5.5801	.02305	2.2576	.26739	11.783	.24167
#3	120.34	5.5813	.02237	2.2834	.26724	11.812	.24336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090630 Acquired: 4/6/2011 18:16:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.705**	F **568.20**	F **-26407.**	**.00926**	**.00816**	**1.6990**	**.02027**
Stddev	5.928	1.95	12.	.00167	.00426	.0017	.00058
%RSD	6.3257	.34262	.04402	17.995	52.187	.10085	2.8463
#1	90.488	566.09	-26396.	.01024	.00779	1.6970	.02063
#2	100.55	568.58	-26405.	.00733	.01260	1.7002	.01960
#3	90.081	569.93	-26419.	.01019	.00410	1.6997	.02057
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6006**	**3.8111**	**.01638**	**.57304**	**.78174**	**.09792**
Stddev	.0104	.0094	.00224	.00317	.00162	.00059
%RSD	.65318	.24768	13.646	.55298	.20762	.59963
#1	1.5935	3.8013	.01585	.57085	.78088	.09754
#2	1.5957	3.8119	.01446	.57161	.78074	.09762
#3	1.6126	3.8201	.01883	.57668	.78362	.09860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31745.**	**29594.**
Stddev	52.	42.
%RSD	.16506	.14260
#1	31801.	29552.
#2	31737.	29594.
#3	31697.	29637.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 18:19:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43927**	**9.4750**	**.42756**	**.53146**	**.96727**	**.05223**	**9.4842**
Stddev	.00284	.0948	.00224	.00323	.00822	.00020	.0874
%RSD	.64570	1.0002	.52384	.60757	.85003	.38924	.92154
#1	.43795	9.3871	.42659	.52801	.96022	.05200	9.4089
#2	.43733	9.4625	.42597	.53197	.96529	.05233	9.4635
#3	.44252	9.5754	.43012	.53440	.97630	.05237	9.5800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05409**	**.21758**	**.52297**	**.54467**	**3.8951**	**48.807**	**.98587**
Stddev	.00009	.00094	.00317	.00189	.0286	.332	.00443
%RSD	.17150	.43285	.60694	.34656	.73356	.67924	.44938
#1	.05404	.21721	.51945	.54448	3.8675	48.565	.98235
#2	.05403	.21689	.52562	.54288	3.8932	48.671	.98441
#3	.05419	.21866	.52384	.54664	3.9246	49.184	.99085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.008**	**.50579**	**.98922**	**47.924**	**.52912**	F **.00029**	**.53926**
Stddev	.033	.00287	.00178	.298	.00149	.00264	.00240
%RSD	.33000	.56662	.17996	.62247	.28109	915.47	.44419
#1	9.9736	.50255	.98852	47.692	.53001	.00180	.53816
#2	10.013	.50681	.98790	47.819	.52741	.00183	.54201
#3	10.039	.50800	.99124	48.261	.52995	-.00276	.53762
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 18:19:58 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.158**	**10.989**	F **15.330**	**1.3071**	**.42974**	F **.01795**	**1.0730**
Stddev	4.835	.052	.778	.0061	.00269	.00186	.0024
%RSD	39.766	.47445	5.0772	.46710	.62661	10.379	.22686
#1	9.0902	10.932	15.697	1.3047	.42685	.01641	1.0711
#2	9.6524	11.034	15.857	1.3026	.43022	.01742	1.0721
#3	17.731	11.002	14.436	1.3141	.43217	.02002	1.0758
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96868**	**1.0009**	F **.55089**	**1.0576**	**1.0347**	F **.00076**
Stddev	.00659	.0052	.00150	.0063	.0019	.00005
%RSD	.68006	.52340	.27283	.59963	.18144	6.9073
#1	.96243	.99624	.54915	1.0528	1.0330	.00079
#2	.96806	1.0000	.55166	1.0553	1.0343	.00070
#3	.97556	1.0066	.55184	1.0648	1.0367	.00080
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32351.**	**27603.**
Stddev	71.	178.
%RSD	.21899	.64481
#1	32432.	27612.
#2	32323.	27777.
#3	32299.	27421.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 18:23:19 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.03210**	**-.00082**	**-.00182**	**-.00025**	**.00002**	**-.00772**
Stddev	.00125	.01566	.00084	.00038	.00012	.00001	.00277
%RSD	400.32	48.788	102.10	20.712	47.168	45.577	35.831
#1	-.00120	-.01413	-.00154	-.00195	-.00017	.00001	-.00523
#2	-.00086	-.04286	-.00101	-.00139	-.00019	.00003	-.00724
#3	.00112	-.03932	.00010	-.00211	-.00038	.00003	-.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00004**	**-.00006**	**-.00012**	**-.00029**	**.18689**	**.00038**
Stddev	.00005	.00017	.00011	.00011	.00126	.03642	.00036
%RSD	90.324	444.23	176.22	90.191	431.41	19.487	95.689
#1	.00005	-.00013	.00000	.00000	.00115	.22617	.00077
#2	.00001	-.00015	-.00018	-.00022	-.00121	.18025	.00006
#3	.00010	.00016	.00001	-.00014	-.00082	.15424	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00536**	**-.00017**	**.00012**	**.01512**	**-.00012**	**-.00195**	**-.00096**
Stddev	.00715	.00017	.00011	.00045	.00027	.00197	.00114
%RSD	133.37	95.597	93.478	2.9881	226.12	100.87	118.79
#1	.00589	-.00018	.00021	.01563	-.00043	-.00311	.00015
#2	.01223	-.00001	.00016	.01478	.00001	-.00306	-.00090
#3	-.00204	-.00034	-.00001	.01494	.00006	.00032	-.00213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 18:23:19 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.9087**	F **.02512**	F **7.6453**	**.00070**	**.00341**	**.00115**	**-.00001**
Stddev	5.5668	.02469	6.3923	.00173	.00066	.00019	.00014
%RSD	70.389	98.271	83.611	246.47	19.300	16.961	1000.1
#1	10.726	.02603	1.1976	.00145	.00299	.00096	-.00009
#2	11.503	.04935	7.7574	-.00127	.00417	.00135	.00015
#3	1.4963	.00000	13.981	.00193	.00308	.00113	-.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	TI1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00015**	**.00022**	**.00002**	**-.00021**	**.00004**
Stddev	.00003	.00073	.00033	.00013	.00003	.00002
%RSD	34.389	483.15	153.38	692.72	14.971	61.134
#1	-.00011	-.00061	.00011	-.00013	-.00022	.00004
#2	-.00005	.00022	-.00005	.00011	-.00018	.00007
#3	-.00008	.00084	.00059	.00007	-.00024	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32869.**	**26959.**
Stddev	28.	85.
%RSD	.08448	.31679
#1	32892.	26969.
#2	32838.	26869.
#3	32878.	27039.

Approved: April 07, 2011

Sample Name: L1103090631 Acquired: 4/6/2011 18:27:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02292**	**160.12**	**.21808**	**.21337**	**1.8846**	**.00564**	**336.51**
Stddev	.00029	.51	.00221	.00373	.0082	.00005	5.76
%RSD	1.2457	.31663	1.0155	1.7486	.43421	.97222	1.7112
#1	.02311	160.51	.21587	.20944	1.8937	.00561	338.65
#2	.02259	160.32	.21806	.21380	1.8825	.00562	340.90
#3	.02306	159.55	.22030	.21686	1.8777	.00571	329.99
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01401**	**.14037**	**.33844**	**12.046**	**308.54**	**49.843**	**.24346**
Stddev	.00007	.00022	.00111	.027	5.21	.096	.00063
%RSD	.51189	.15630	.32809	.22680	1.6888	.19265	.25904
#1	.01406	.14056	.33861	12.053	302.70	49.918	.24419
#2	.01403	.14013	.33725	12.015	310.22	49.876	.24302
#3	.01392	.14042	.33945	12.069	312.71	49.735	.24318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**114.00**	**5.3953**	**.06390**	**2.5358**	**.26454**	**14.295**	**.74910**
Stddev	.21	.0127	.00006	.0010	.00091	.020	.00183
%RSD	.18827	.23456	.09224	.04093	.34551	.14194	.24401
#1	113.83	5.3853	.06386	2.5368	.26542	14.310	.75120
#2	114.25	5.4096	.06388	2.5347	.26460	14.272	.74814
#3	113.93	5.3911	.06397	2.5358	.26359	14.303	.74795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090631 Acquired: 4/6/2011 18:27:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.258**	F **666.08**	F **-64785.**	**.01779**	**.01291**	**2.5357**	**.04575**
Stddev	3.765	1.93	77.	.00143	.00295	.0040	.00034
%RSD	4.5220	.28907	.11935	8.0345	22.836	.15833	.74927
#1	87.596	667.16	-64874.	.01652	.01596	2.5386	.04595
#2	80.841	663.86	-64745.	.01751	.01270	2.5311	.04536
#3	81.336	667.23	-64735.	.01933	.01007	2.5374	.04595
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3188**	**2.7278**	**.01540**	**.55608**	**1.6923**	**.09388**
Stddev	.0031	.0057	.00043	.00073	.0030	.00037
%RSD	.23129	.20760	2.7969	.13209	.17557	.39554
#1	1.3186	2.7320	.01530	.55646	1.6930	.09430
#2	1.3219	2.7301	.01504	.55524	1.6891	.09368
#3	1.3158	2.7214	.01588	.55655	1.6949	.09364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31082.**	**29385.**
Stddev	79.	111.
%RSD	.25435	.37913
#1	31024.	29308.
#2	31172.	29333.
#3	31050.	29513.

Approved: April 07, 2011

Sample Name: L1103090632 Acquired: 4/6/2011 18:30:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03065**	**174.66**	**.22225**	**.20521**	**2.0943**	^ *****	**353.33**
Stddev	.00045	.42	.00266	.00187	.0056	-----	2.46
%RSD	1.4792	.23950	1.1951	.90964	.26878	-----	.69590
#1	.03075	174.39	.22490	.20537	2.0916	^ -----	353.64
#2	.03016	174.46	.22226	.20327	2.1007	^ -----	355.63
#3	.03105	175.14	.21959	.20699	2.0905	^ -----	350.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01139**	**.13974**	**.33823**	**8.5176**	**292.99**	**47.888**	**.25414**
Stddev	.00012	.00036	.00023	.0259	2.21	.074	.00134
%RSD	1.0387	.25945	.06929	.30367	.75558	.15412	.52671
#1	.01136	.14013	.33814	8.5472	294.94	47.828	.25341
#2	.01129	.13966	.33806	8.4995	290.58	47.971	.25568
#3	.01152	.13942	.33850	8.5061	293.46	47.866	.25332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**116.18**	**5.5401**	**.03762**	**2.5233**	**.26460**	**12.443**	**.57980**
Stddev	.17	.0020	.00033	.0063	.00081	.028	.00017
%RSD	.14971	.03576	.87295	.24827	.30437	.22098	.02925
#1	116.04	5.5379	.03727	2.5161	.26517	12.475	.57981
#2	116.37	5.5414	.03793	2.5259	.26496	12.426	.57997
#3	116.12	5.5412	.03765	2.5278	.26368	12.428	.57963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090632 Acquired: 4/6/2011 18:30:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.777**	F **580.58**	F **-43128.**	**.01383**	**.00862**	**1.7221**	**.03998**
Stddev	2.743	1.48	114.	.00091	.00048	.0042	.00029
%RSD	3.1973	.25432	.26479	6.5630	5.6094	.24403	.71776
#1	82.753	582.28	-43256.	.01389	.00819	1.7229	.04016
#2	88.104	579.60	-43036.	.01470	.00853	1.7175	.04013
#3	86.473	579.86	-43092.	.01289	.00914	1.7258	.03964
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4613**	**4.2108**	**.01791**	**.57151**	**1.3611**	**.09636**
Stddev	.0029	.0057	.00070	.00205	.0016	.00015
%RSD	.19776	.13490	3.8988	.35806	.11797	.15690
#1	1.4610	4.2042	.01722	.57377	1.3627	.09624
#2	1.4586	4.2138	.01862	.57099	1.3595	.09632
#3	1.4643	4.2143	.01789	.56978	1.3609	.09653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31142.**	**29444.**
Stddev	81.	138.
%RSD	.25882	.46895
#1	31049.	29311.
#2	31193.	29433.
#3	31183.	29587.

Approved: April 07, 2011

Sample Name: L1103090633 Acquired: 4/6/2011 18:34:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02836**	**183.71**	**.28504**	**.19577**	**2.0806**	**.00474**	**323.49**
Stddev	.00056	1.34	.00306	.00084	.0060	.00004	2.74
%RSD	1.9725	.72913	1.0734	.42850	.28692	.76999	.84742
#1	.02771	182.49	.28721	.19481	2.0747	.00475	320.58
#2	.02869	183.49	.28638	.19635	2.0806	.00470	326.02
#3	.02868	185.14	.28155	.19615	2.0866	.00477	323.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01223**	**.14957**	**.36430**	**11.079**	**331.01**	**48.588**	**.27519**
Stddev	.00010	.00050	.00133	.015	.95	.174	.00336
%RSD	.83743	.33101	.36607	.13855	.28832	.35753	1.2198
#1	.01230	.14965	.36344	11.087	329.92	48.442	.27220
#2	.01211	.15002	.36362	11.088	331.71	48.543	.27455
#3	.01228	.14904	.36584	11.061	331.39	48.780	.27883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**124.13**	**5.8867**	**.04290**	**5.1870**	**.27229**	**12.737**	**.74709**
Stddev	.26	.0088	.00039	.0267	.00055	.014	.00267
%RSD	.21301	.14915	.89793	.51395	.20031	.11162	.35743
#1	123.83	5.8768	.04284	5.1649	.27235	12.748	.74944
#2	124.23	5.8894	.04332	5.1794	.27281	12.743	.74765
#3	124.33	5.8937	.04256	5.2166	.27172	12.721	.74418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090633 Acquired: 4/6/2011 18:34:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **70.403**	F **729.69**	F **-85260.**	**.01881**	**.00835**	**2.6099**	**.03456**
Stddev	13.135	2.68	139.	.00099	.00142	.0067	.00063
%RSD	18.657	.36675	.16290	5.2526	16.988	.25608	1.8215
#1	57.630	731.30	-85341.	.01777	.00683	2.6083	.03517
#2	69.707	731.16	-85339.	.01891	.00857	2.6172	.03391
#3	83.873	726.60	-85100.	.01974	.00964	2.6042	.03459
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1433**	**3.7361**	**.01761**	**.59461**	**1.0734**	**.11511**
Stddev	.0054	.0061	.00115	.00068	.0014	.00036
%RSD	.46874	.16244	6.5200	.11395	.12579	.31309
#1	1.1386	3.7305	.01775	.59473	1.0749	.11489
#2	1.1422	3.7353	.01640	.59388	1.0728	.11491
#3	1.1491	3.7425	.01869	.59522	1.0724	.11552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31574.**	**29033.**
Stddev	27.	21.
%RSD	.08508	.07238
#1	31549.	29010.
#2	31571.	29050.
#3	31602.	29040.

Approved: April 07, 2011

Sample Name: L1103090634 Acquired: 4/6/2011 18:37:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02623**	**177.05**	**.26750**	**.24921**	**2.0529**	**.00473**
Stddev	.00036	1.53	.00312	.00368	.0028	.00003
%RSD	1.3566	.86657	1.1675	1.4786	.13519	.61488
#1	.02636	178.72	.26406	.24577	2.0518	.00474
#2	.02651	175.70	.27015	.24877	2.0508	.00475
#3	.02583	176.74	.26828	.25310	2.0561	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**383.82**	**.01586**	**.14574**	**.33879**	**12.097**	**377.91**
Stddev	9.00	.00003	.00030	.00051	.009	5.02
%RSD	2.3445	.18722	.20326	.14966	.07201	1.3279
#1	391.34	.01590	.14559	.33903	12.089	373.04
#2	373.85	.01586	.14608	.33820	12.097	377.64
#3	386.27	.01584	.14555	.33913	12.106	383.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.508**	**.27633**	**118.86**	**5.6255**	**.07332**	**3.9398**
Stddev	.216	.00059	.44	.0138	.00026	.0274
%RSD	.38188	.21231	.37162	.24548	.35259	.69451
#1	56.682	.27684	119.02	5.6365	.07308	3.9706
#2	56.267	.27568	118.36	5.6100	.07359	3.9182
#3	56.576	.27646	119.21	5.6300	.07328	3.9307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090634 Acquired: 4/6/2011 18:37:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25981**	**16.580**	**.63601**	F **77.655**	F **904.10**	F **-109370.**
Stddev	.00072	.010	.00166	3.660	1.60	34.
%RSD	.27618	.06313	.26150	4.7131	.17677	.03139
#1	.25919	16.571	.63410	81.472	904.96	-109390.
#2	.25964	16.578	.63718	74.175	905.08	-109390.
#3	.26059	16.592	.63674	77.317	902.26	-109330.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01420**	**.00986**	**2.3844**	**.10218**	**3.9871**	**3.3846**
Stddev	.00138	.00166	.0034	.00040	.0153	.0080
%RSD	9.7176	16.882	.14388	.38690	.38264	.23678
#1	.01419	.00871	2.3842	.10262	3.9731	3.3901
#2	.01283	.01177	2.3879	.10186	4.0034	3.3754
#3	.01559	.00909	2.3810	.10207	3.9848	3.3884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01970**	**.62485**	**2.0502**	**.11840**
Stddev	.00095	.00387	.0021	.00022
%RSD	4.8042	.61893	.10080	.18433
#1	.02048	.62409	2.0478	.11825
#2	.01996	.62904	2.0516	.11865
#3	.01865	.62142	2.0511	.11830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090634 Acquired: 4/6/2011 18:37:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31064.**	**29036.**
Stddev	66.	291.
%RSD	.21305	1.0033
#1	31041.	28781.
#2	31013.	29353.
#3	31139.	28973.

Approved: April 07, 2011

Sample Name: L1103090635 Acquired: 4/6/2011 18:41:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02513**	**162.38**	**.17504**	**.19182**	**2.1580**	**.00399**	**356.75**
Stddev	.00043	.92	.00049	.00321	.0118	.00005	5.73
%RSD	1.7173	.56813	.28027	1.6713	.54666	1.2122	1.6056
#1	.02495	161.32	.17459	.19154	2.1444	.00398	350.29
#2	.02482	162.81	.17557	.19516	2.1646	.00394	361.21
#3	.02562	163.01	.17497	.18877	2.1651	.00404	358.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.13738**	**.32575**	**7.8948**	**298.48**	**47.793**	**.25396**
Stddev	.00008	.00047	.00012	.0260	3.31	.174	.00166
%RSD	.79877	.34012	.03669	.32975	1.1080	.36400	.65288
#1	.00941	.13684	.32577	7.8689	297.02	47.618	.25225
#2	.00951	.13766	.32562	7.8943	302.26	47.796	.25407
#3	.00955	.13765	.32585	7.9210	296.15	47.966	.25556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**121.69**	**5.7848**	**.03895**	**2.3062**	**.27491**	**13.453**	**.35717**
Stddev	.42	.0053	.00020	.0117	.00035	.021	.00132
%RSD	.34367	.09209	.51935	.50646	.12667	.15567	.36862
#1	121.30	5.7800	.03917	2.2932	.27520	13.444	.35655
#2	122.13	5.7905	.03877	2.3097	.27453	13.438	.35628
#3	121.64	5.7838	.03890	2.3158	.27500	13.477	.35869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090635 Acquired: 4/6/2011 18:41:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.097**	F **564.93**	F **-40922.**	**.01138**	**.00882**	**1.6707**	**.02578**
Stddev	7.428	1.65	65.	.00116	.00253	.0076	.00029
%RSD	10.448	.29188	.15825	10.190	28.680	.45761	1.1419
#1	79.264	563.15	-40884.	.01135	.00618	1.6645	.02559
#2	64.741	565.22	-40884.	.01256	.00904	1.6792	.02611
#3	69.287	566.41	-40996.	.01024	.01123	1.6683	.02562
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5306**	**3.5970**	**.01610**	**.55305**	**.91029**	**.07538**
Stddev	.0031	.0061	.00148	.00310	.00052	.00020
%RSD	.20044	.17001	9.1768	.56140	.05665	.27026
#1	1.5273	3.5901	.01643	.55088	.90970	.07536
#2	1.5311	3.6018	.01738	.55166	.91046	.07559
#3	1.5333	3.5990	.01448	.55660	.91069	.07518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31229.**	**28596.**
Stddev	30.	130.
%RSD	.09485	.45325
#1	31263.	28559.
#2	31216.	28488.
#3	31209.	28740.

Approved: April 07, 2011

Sample Name: L1103090636 Acquired: 4/6/2011 18:45:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01025**	**183.96**	**.11696**	**.19022**	**1.8230**	**.00913**
Stddev	.00082	.63	.00122	.00485	.0026	.00006
%RSD	8.0275	.34181	1.0464	2.5520	.14445	.60617
#1	.00930	183.34	.11837	.18476	1.8259	.00906
#2	.01075	183.96	.11628	.19182	1.8225	.00914
#3	.01070	184.59	.11623	.19406	1.8207	.00917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**161.52**	**.00627**	**.12179**	**.26657**	**5.2665**	**301.54**
Stddev	.36	.00011	.00013	.00144	.0101	6.20
%RSD	.22005	1.7694	.10372	.53983	.19125	2.0566
#1	161.22	.00637	.12165	.26547	5.2712	294.60
#2	161.43	.00615	.12189	.26604	5.2550	303.48
#3	161.91	.00630	.12184	.26820	5.2734	306.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.193**	**.25282**	**101.11**	**5.4992**	**.04105**	**10.923**
Stddev	.114	.00120	.11	.0107	.00024	.068
%RSD	.23755	.47608	.10566	.19434	.57628	.62536
#1	48.064	.25308	101.03	5.4884	.04106	10.852
#2	48.230	.25388	101.07	5.4995	.04081	10.930
#3	48.284	.25151	101.23	5.5098	.04128	10.988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090636 Acquired: 4/6/2011 18:45:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21951**	**8.6096**	**.29202**	F **77.269**	F **616.48**	F **-101100.**
Stddev	.00065	.0111	.00164	2.274	1.54	79.
%RSD	.29547	.12856	.56302	2.9431	.24950	.07856
#1	.22026	8.6207	.29191	75.157	616.60	-101090.
#2	.21918	8.5986	.29043	79.676	614.88	-101190.
#3	.21910	8.6095	.29372	76.974	617.95	-101040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00949**	**.00562**	**1.9075**	**.02053**	**.71464**	**1.2947**
Stddev	.00172	.00124	.0056	.00017	.00229	.0008
%RSD	18.094	22.003	.29157	.81873	.32063	.06492
#1	.01131	.00669	1.9120	.02072	.71250	1.2941
#2	.00789	.00591	1.9092	.02042	.71435	1.2943
#3	.00927	.00426	1.9013	.02045	.71706	1.2956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01266**	**.44950**	**.96961**	**.11994**
Stddev	.00152	.00238	.00133	.00102
%RSD	11.982	.53002	.13740	.84873
#1	.01217	.44769	.96975	.11888
#2	.01436	.44861	.96822	.12002
#3	.01144	.45220	.97087	.12091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090636 Acquired: 4/6/2011 18:45:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31883.**	**28833.**
Stddev	61.	91.
%RSD	.19163	.31691
#1	31856.	28811.
#2	31953.	28934.
#3	31840.	28755.

Approved: April 07, 2011

Sample Name: L1103090637 Acquired: 4/6/2011 18:48:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01834**	**147.30**	**.13331**	**.24634**	**1.8275**	**.00517**	**143.83**
Stddev	.00024	.40	.00205	.00213	.0049	.00001	.36
%RSD	1.3197	.27361	1.5381	.86633	.26637	.27922	.24988
#1	.01862	147.53	.13566	.24697	1.8329	.00517	144.05
#2	.01824	146.84	.13241	.24396	1.8235	.00516	143.42
#3	.01817	147.54	.13186	.24808	1.8261	.00519	144.04
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01217**	**.11646**	**.39872**	**2.4793**	**334.06**	**41.186**	**.21465**
Stddev	.00005	.00079	.00133	.0113	1.68	.061	.00151
%RSD	.38850	.67949	.33422	.45403	.50219	.14871	.70487
#1	.01212	.11736	.39722	2.4909	335.45	41.211	.21306
#2	.01220	.11617	.39917	2.4786	332.20	41.116	.21481
#3	.01219	.11586	.39977	2.4684	334.52	41.231	.21607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.022**	**4.9134**	**.02769**	**6.3594**	**.24593**	**11.685**	**1.4192**
Stddev	.035	.0043	.00015	.0030	.00101	.017	.0018
%RSD	.03811	.08833	.55321	.04728	.41149	.14121	.12452
#1	92.013	4.9115	.02778	6.3594	.24595	11.703	1.4182
#2	91.992	4.9103	.02778	6.3565	.24692	11.678	1.4212
#3	92.061	4.9184	.02752	6.3625	.24490	11.673	1.4182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090637 Acquired: 4/6/2011 18:48:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **64.898**	F **324.35**	F **-38697.**	**.01559**	**.00421**	**2.2748**	**.09678**
Stddev	7.523	1.26	50.	.00224	.00102	.0081	.00031
%RSD	11.592	.38930	.12997	14.389	24.269	.35490	.32498
#1	71.111	325.73	-38720.	.01731	.00385	2.2822	.09714
#2	67.051	324.09	-38732.	.01641	.00537	2.2759	.09665
#3	56.534	323.24	-38640.	.01306	.00342	2.2661	.09655
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62701**	**2.4373**	**.01659**	**.56709**	**3.2775**	**.09972**
Stddev	.00165	.0039	.00067	.00181	.0025	.00013
%RSD	.26295	.15835	4.0272	.31910	.07560	.12952
#1	.62694	2.4372	.01626	.56849	3.2775	.09958
#2	.62540	2.4335	.01736	.56773	3.2800	.09977
#3	.62869	2.4412	.01616	.56505	3.2750	.09982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32014.**	**28686.**
Stddev	72.	74.
%RSD	.22406	.25898
#1	31932.	28606.
#2	32043.	28699.
#3	32066.	28752.

Approved: April 07, 2011

Sample Name: L1103090638 Acquired: 4/6/2011 18:52:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01557**	**190.72**	**.08770**	**.20053**	**2.0837**	**.00818**	**198.32**
Stddev	.00050	1.52	.00101	.00331	.0077	.00002	1.27
%RSD	3.2049	.79788	1.1499	1.6489	.37132	.28109	.63789
#1	.01516	191.35	.08688	.20255	2.0923	.00818	199.25
#2	.01543	188.98	.08883	.20233	2.0812	.00816	196.88
#3	.01612	191.82	.08739	.19672	2.0775	.00820	198.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00722**	**.12638**	**.41112**	**1.2750**	**332.55**	**51.692**	**.24418**
Stddev	.00014	.00045	.00144	.0041	3.48	.218	.00220
%RSD	1.9532	.35489	.35049	.31893	1.0476	.42221	.90283
#1	.00738	.12601	.41258	1.2705	334.95	51.859	.24668
#2	.00714	.12626	.41107	1.2763	334.16	51.446	.24252
#3	.00714	.12688	.40970	1.2783	328.56	51.772	.24335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**108.87**	**5.5301**	**.01422**	**10.306**	**.27172**	**9.1865**	**1.0165**
Stddev	.19	.0103	.00022	.057	.00091	.0243	.0034
%RSD	.17671	.18582	1.5189	.55662	.33549	.26493	.33465
#1	109.06	5.5365	.01397	10.323	.27102	9.1584	1.0147
#2	108.67	5.5182	.01432	10.242	.27139	9.1993	1.0144
#3	108.90	5.5355	.01436	10.353	.27275	9.2017	1.0205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090638 Acquired: 4/6/2011 18:52:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **81.684**	F **423.19**	F **-47272.**	**.01625**	**.00279**	**2.3213**	**.06656**
Stddev	3.235	1.25	78.	.00030	.00346	.0040	.00013
%RSD	3.9601	.29424	.16469	1.8387	123.81	.17049	.18870
#1	78.166	421.86	-47188.	.01657	.00567	2.3195	.06655
#2	84.530	423.39	-47343.	.01597	.00375	2.3259	.06644
#3	82.356	424.32	-47284.	.01620	-.00104	2.3186	.06669
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82348**	**2.2975**	**.01561**	**.56523**	**1.5141**	**.11357**
Stddev	.00533	.0043	.00103	.00202	.0030	.00012
%RSD	.64682	.18811	6.5943	.35748	.19751	.10624
#1	.82597	2.3005	.01673	.56338	1.5110	.11359
#2	.81736	2.2926	.01542	.56493	1.5143	.11369
#3	.82710	2.2995	.01469	.56739	1.5170	.11345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31834.**	**29200.**
Stddev	42.	167.
%RSD	.13176	.57120
#1	31867.	29009.
#2	31849.	29314.
#3	31787.	29278.

Approved: April 07, 2011

Sample Name: L1103090639 Acquired: 4/6/2011 18:55:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02682**	**185.98**	**.14976**	**.26933**	**2.3890**	**.00447**
Stddev	.00081	.28	.00078	.00104	.0060	.00002
%RSD	3.0273	.14798	.52233	.38689	.25004	.35115
#1	.02774	185.93	.15061	.26861	2.3824	.00447
#2	.02619	185.73	.14962	.27053	2.3940	.00449
#3	.02653	186.28	.14907	.26886	2.3906	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**296.48**	**.01781**	**.12696**	**.43577**	**3.4937**	**332.40**
Stddev	1.36	.00005	.00046	.00432	.0139	.74
%RSD	.45751	.25998	.36538	.99200	.39840	.22232
#1	296.85	.01776	.12653	.43185	3.4794	332.24
#2	297.61	.01786	.12745	.44040	3.5072	333.21
#3	294.97	.01781	.12689	.43505	3.4944	331.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.035**	**.24339**	**110.94**	**5.2535**	**.03071**	**18.970**
Stddev	.026	.00066	.12	.0027	.00013	.015
%RSD	.04496	.26954	.10674	.05060	.42456	.08049
#1	58.005	.24355	110.84	5.2505	.03066	18.982
#2	58.055	.24266	111.07	5.2550	.03085	18.953
#3	58.044	.24395	110.92	5.2551	.03060	18.975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090639 Acquired: 4/6/2011 18:55:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28074**	**18.946**	**8.6380**	F **82.729**	F **968.06**	F **-142480.**
Stddev	.00039	.041	.0232	5.176	4.67	206.
%RSD	.13820	.21733	.26909	6.2562	.48221	.14489
#1	.28117	18.907	8.6126	87.511	963.35	-142490.
#2	.28059	18.989	8.6583	77.234	972.68	-142670.
#3	.28044	18.942	8.6431	83.443	968.14	-142260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02547**	**.00348**	**2.6338**	**.22431**	**1.0448**	**3.6776**
Stddev	.00058	.00047	.0058	.00061	.0019	.0034
%RSD	2.2861	13.396	.21868	.27165	.18464	.09232
#1	.02611	.00375	2.6293	.22362	1.0435	3.6737
#2	.02535	.00294	2.6403	.22476	1.0439	3.6789
#3	.02496	.00375	2.6318	.22456	1.0470	3.6801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01790**	**.57604**	**5.5535**	**.11656**
Stddev	.00083	.00074	.0126	.00031
%RSD	4.6140	.12903	.22701	.26481
#1	.01852	.57519	5.5397	.11648
#2	.01696	.57635	5.5644	.11690
#3	.01822	.57657	5.5564	.11630
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090639 Acquired: 4/6/2011 18:55:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31374.**	**29359.**
Stddev	101.	185.
%RSD	.32077	.62949
#1	31485.	29166.
#2	31289.	29377.
#3	31347.	29534.

Approved: April 07, 2011

Sample Name: L1103090640 Acquired: 4/6/2011 18:59:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02124**	**178.62**	**.09610**	**.24670**	**2.2685**	**.00722**
Stddev	.00088	1.27	.00119	.00332	.0095	.00003
%RSD	4.1417	.70864	1.2405	1.3475	.42080	.40876
#1	.02113	177.27	.09747	.24430	2.2579	.00719
#2	.02218	179.79	.09544	.25050	2.2764	.00725
#3	.02043	178.80	.09538	.24531	2.2712	.00722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**202.48**	**.01377**	**.12753**	**.42895**	**2.4709**	**317.08**
Stddev	1.39	.00006	.00022	.00109	.0044	5.82
%RSD	.68446	.42179	.16952	.25344	.17924	1.8362
#1	200.98	.01379	.12777	.42771	2.4755	312.14
#2	203.71	.01381	.12736	.42946	2.4703	323.50
#3	202.74	.01370	.12745	.42969	2.4667	315.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.375**	**.23719**	**107.34**	**5.7080**	**.02246**	**20.785**
Stddev	.322	.00048	.80	.0230	.00021	.100
%RSD	.60352	.20343	.74092	.40372	.95416	.47945
#1	53.011	.23670	106.43	5.6821	.02268	20.692
#2	53.625	.23720	107.89	5.7261	.02225	20.890
#3	53.487	.23766	107.70	5.7158	.02245	20.772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090640 Acquired: 4/6/2011 18:59:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28736**	**16.056**	**4.5170**	F **70.837**	F **762.67**	F **-120780.**
Stddev	.00046	.034	.0020	5.212	3.19	212.
%RSD	.15920	.21274	.04404	7.3581	.41889	.17545
#1	.28762	16.094	4.5152	75.958	766.36	-121020.
#2	.28762	16.044	4.5191	71.015	760.86	-120620.
#3	.28683	16.029	4.5166	65.538	760.80	-120710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02000**	**.00404**	**2.2337**	**.12125**	**.84825**	**2.3883**
Stddev	.00137	.00076	.0091	.00038	.00422	.0116
%RSD	6.8238	18.723	.40930	.31493	.49749	.48441
#1	.02137	.00441	2.2441	.12124	.84418	2.3763
#2	.02001	.00454	2.2270	.12164	.85260	2.3994
#3	.01864	.00317	2.2299	.12087	.84797	2.3893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01453**	**.53763**	**3.3591**	**.11413**
Stddev	.00149	.00155	.0057	.00034
%RSD	10.268	.28811	.17080	.29953
#1	.01296	.53586	3.3537	.11375
#2	.01471	.53875	3.3651	.11441
#3	.01593	.53828	3.3585	.11424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090640 Acquired: 4/6/2011 18:59:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31645.**	**28944.**
Stddev	57.	262.
%RSD	.18012	.90520
#1	31671.	29234.
#2	31580.	28724.
#3	31685.	28875.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 19:02:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44785	9.2762	.43028	.52991	.95363	.05224	9.3140
Stddev	.00209	.0401	.00168	.00073	.00201	.00009	.0405
%RSD	.46605	.43278	.39125	.13815	.21030	.17796	.43503
#1	.44922	9.2304	.42834	.52955	.95183	.05216	9.2708
#2	.44888	9.3052	.43122	.53075	.95579	.05221	9.3511
#3	.44545	9.2929	.43129	.52943	.95328	.05234	9.3201
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05438	.21984	.51854	.54905	3.8694	48.197	.97676
Stddev	.00015	.00063	.00227	.00152	.0083	.080	.00147
%RSD	.27380	.28671	.43720	.27705	.21450	.16619	.15090
#1	.05422	.21941	.51617	.54749	3.8608	48.114	.97541
#2	.05441	.21954	.51875	.54915	3.8774	48.274	.97833
#3	.05451	.22056	.52069	.55052	3.8701	48.202	.97654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.019	.50622	.98337	47.353	.53002	F -.00007	.54064
Stddev	.026	.00018	.00185	.129	.00107	.00176	.00038
%RSD	.25497	.03587	.18823	.27152	.20126	2367.7	.06942
#1	9.9896	.50602	.98139	47.219	.52892	-.00108	.54023
#2	10.036	.50629	.98505	47.364	.53105	-.00109	.54075
#3	10.032	.50636	.98367	47.475	.53009	.00196	.54095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 19:02:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.331**	**10.943**	F **17.571**	**1.3131**	**.43508**	F **.01939**	**1.0775**
Stddev	5.420	.064	3.841	.0042	.00383	.00134	.0030
%RSD	47.827	.58594	21.859	.31739	.87927	6.9287	.27605
#1	6.6365	10.887	16.207	1.3089	.43095	.01792	1.0742
#2	10.095	10.929	21.907	1.3132	.43579	.01968	1.0781
#3	17.262	11.013	14.598	1.3172	.43851	.02056	1.0801
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95514**	**.99748**	F **.55378**	**1.0668**	**1.0436**	F **.00090**
Stddev	.00173	.00155	.00250	.0023	.0025	.00013
%RSD	.18068	.15578	.45111	.21140	.24314	14.196
#1	.95318	.99667	.55092	1.0679	1.0409	.00079
#2	.95642	.99928	.55556	1.0683	1.0459	.00104
#3	.95583	.99650	.55485	1.0642	1.0439	.00086
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32131.**	**27430.**
Stddev	71.	129.
%RSD	.22124	.46907
#1	32184.	27567.
#2	32159.	27409.
#3	32050.	27313.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:06:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.02447**	**.00026**	**-.00228**	**-.00014**	**.00004**	**-.00939**
Stddev	.00052	.01085	.00058	.00059	.00012	.00001	.00146
%RSD	247.23	44.348	223.19	25.959	84.369	22.386	15.547
#1	.00080	-.01427	.00037	-.00161	-.00012	.00005	-.00781
#2	-.00003	-.03587	.00078	-.00250	-.00003	.00003	-.00965
#3	-.00015	-.02326	-.00037	-.00273	-.00027	.00004	-.01070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00005**	**-.00009**	**-.00008**	**-.00094**	**.18570**	**.00016**
Stddev	.00002	.00021	.00017	.00053	.00256	.02209	.00057
%RSD	582.32	399.96	181.08	656.25	273.39	11.893	362.84
#1	-.00002	-.00025	.00010	-.00067	.00031	.19473	.00061
#2	.00002	-.00007	-.00016	.00007	-.00388	.20184	.00033
#3	.00002	.00016	-.00021	.00035	.00076	.16053	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00958**	**-.00027**	**.00006**	**.02135**	**.00006**	**-.00188**	**-.00089**
Stddev	.01595	.00016	.00014	.00258	.00009	.00157	.00008
%RSD	166.43	60.830	222.07	12.098	165.90	83.637	9.0170
#1	.00256	-.00017	-.00001	.02125	.00008	-.00034	-.00080
#2	-.00165	-.00018	.00023	.01882	-.00005	-.00181	-.00096
#3	.02784	-.00045	-.00003	.02398	.00013	-.00348	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:06:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **11.278**	F **.04587**	F **-5.4184**	**-.00037**	**.00161**	**-.00028**	**-.00025**
Stddev	8.125	.00350	3.5608	.00113	.00109	.00004	.00014
%RSD	72.041	7.6314	65.716	305.95	67.771	13.780	56.588
#1	18.992	.04208	-2.8503	-.00102	.00198	-.00032	-.00027
#2	12.047	.04654	-3.9218	-.00103	.00248	-.00025	-.00038
#3	2.7965	.04898	-9.4832	.00094	.00038	-.00027	-.00010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00058**	**-.00083**	**-.00020**	**-.00014**	**.00001**
Stddev	.00001	.00108	.00133	.00020	.00003	.00005
%RSD	14.467	184.95	159.62	100.97	20.324	653.69
#1	-.00007	.00135	-.00161	-.00008	-.00016	.00007
#2	-.00009	.00105	.00070	-.00008	-.00016	-.00001
#3	-.00007	-.00065	-.00159	-.00043	-.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32594.**	**27136.**
Stddev	129.	130.
%RSD	.39683	.47831
#1	32740.	27147.
#2	32495.	27002.
#3	32547.	27261.

Approved: April 07, 2011

Sample Name: L1103090641 Acquired: 4/6/2011 19:09:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02329**	**173.50**	**.09658**	**.19408**	**1.9879**	**.00731**	**163.39**
Stddev	.00057	1.30	.00071	.00132	.0131	.00003	1.15
%RSD	2.4474	.74727	.73195	.67918	.66099	.43324	.70140
#1	.02300	174.47	.09597	.19557	1.9976	.00734	164.30
#2	.02293	174.00	.09735	.19307	1.9931	.00731	163.77
#3	.02395	172.02	.09641	.19360	1.9729	.00728	162.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00914**	**.12749**	**.39374**	**2.5744**	**328.29**	**49.236**	**.23368**
Stddev	.00002	.00058	.00123	.0107	2.16	.317	.00061
%RSD	.24980	.45878	.31360	.41521	.65888	.64305	.26177
#1	.00916	.12801	.39499	2.5846	330.57	49.484	.23297
#2	.00915	.12686	.39252	2.5633	326.27	49.345	.23396
#3	.00912	.12759	.39371	2.5752	328.04	48.880	.23409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**108.06**	**5.5459**	**.02132**	**2.8148**	**.27810**	**10.085**	**1.3816**
Stddev	.50	.0158	.00028	.0105	.00096	.029	.0057
%RSD	.46566	.28559	1.3098	.37404	.34396	.28798	.41649
#1	108.22	5.5434	.02155	2.8245	.27914	10.116	1.3880
#2	108.46	5.5629	.02101	2.8163	.27792	10.058	1.3768
#3	107.50	5.5316	.02140	2.8036	.27725	10.081	1.3801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090641 Acquired: 4/6/2011 19:09:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.408**	F **250.88**	F **-18071.**	**.02762**	**.00403**	**2.5820**	**.16356**
Stddev	6.954	.63	24.	.00146	.00417	.0065	.00040
%RSD	9.7379	.25247	.13463	5.2689	103.59	.25206	.24314
#1	74.933	251.58	-18099.	.02601	.00861	2.5894	.16391
#2	63.398	250.36	-18062.	.02885	.00046	2.5769	.16366
#3	75.893	250.69	-18053.	.02801	.00301	2.5799	.16313
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.76281**	**2.2593**	**.01529**	**.53921**	**1.6751**	**.10302**
Stddev	.00311	.0075	.00125	.00033	.0043	.00038
%RSD	.40785	.33002	8.1912	.06171	.25568	.36475
#1	.76572	2.2631	.01484	.53906	1.6800	.10319
#2	.76319	2.2640	.01432	.53959	1.6719	.10259
#3	.75953	2.2507	.01670	.53898	1.6735	.10329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31807.**	**28529.**
Stddev	114.	457.
%RSD	.35979	1.6025
#1	31678.	28136.
#2	31899.	28419.
#3	31842.	29031.

Approved: April 07, 2011

Sample Name: L1103090642 Acquired: 4/6/2011 19:13:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02187**	**197.89**	**.07893**	**.21154**	**2.0113**	**.00593**	**121.65**
Stddev	.00050	1.30	.00148	.00174	.0101	.00003	.72
%RSD	2.2642	.65526	1.8756	.82042	.50139	.43011	.59325
#1	.02232	199.19	.07749	.21220	2.0229	.00593	122.37
#2	.02196	196.60	.08045	.21285	2.0059	.00595	120.93
#3	.02134	197.87	.07884	.20957	2.0051	.00590	121.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00528**	**.12766**	**.43803**	**.81559**	**351.04**	**50.004**	**.23447**
Stddev	.00013	.00076	.00161	.00699	2.53	.216	.00115
%RSD	2.4099	.59569	.36767	.85763	.71950	.43233	.48885
#1	.00542	.12683	.43732	.80793	352.47	50.239	.23569
#2	.00521	.12782	.43689	.81720	352.53	49.813	.23342
#3	.00520	.12833	.43987	.82164	348.13	49.962	.23430
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**107.28**	**5.4207**	**.01179**	**4.1862**	**.28007**	**7.3791**	**.47528**
Stddev	.21	.0083	.00024	.0230	.00137	.0236	.00133
%RSD	.19137	.15375	2.0015	.54910	.49065	.31912	.28002
#1	107.52	5.4302	.01152	4.2010	.27889	7.3607	.47375
#2	107.14	5.4144	.01188	4.1597	.27972	7.3709	.47617
#3	107.19	5.4175	.01197	4.1979	.28158	7.4056	.47591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090642 Acquired: 4/6/2011 19:13:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **95.588**	F **172.46**	F **-10017.**	**.00701**	**.00251**	**2.0569**	**.02991**
Stddev	7.862	.88	24.	.00123	.00361	.0108	.00013
%RSD	8.2254	.50994	.24027	17.553	144.03	.52460	.44775
#1	104.43	171.60	-9994.2	.00743	.00626	2.0457	.03000
#2	92.932	172.43	-10016.	.00563	.00222	2.0578	.02975
#3	89.397	173.35	-10042.	.00798	-.00095	2.0672	.02997
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62367**	**3.4373**	**.01952**	**.61750**	**.98022**	**.11238**
Stddev	.00314	.0116	.00071	.00208	.00361	.00023
%RSD	.50388	.33785	3.6164	.33636	.36817	.20057
#1	.62634	3.4504	.01914	.61533	.97650	.11256
#2	.62021	3.4281	.02033	.61771	.98043	.11212
#3	.62445	3.4335	.01908	.61947	.98371	.11245
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32238.**	**29556.**
Stddev	87.	207.
%RSD	.26955	.70167
#1	32330.	29319.
#2	32225.	29646.
#3	32158.	29704.

Approved: April 07, 2011

Sample Name: L1103090643 Acquired: 4/6/2011 19:16:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03198**	**207.88**	**.12228**	**.22125**	**2.8503**	^ *****	**433.93**
Stddev	.00033	.84	.00125	.00249	.0084	-----	7.39
%RSD	1.0419	.40585	1.0186	1.1245	.29589	-----	1.7037
#1	.03232	208.66	.12370	.22401	2.8554	^ -----	439.55
#2	.03197	208.01	.12180	.21918	2.8549	^ -----	425.56
#3	.03166	206.98	.12135	.22057	2.8405	^ -----	436.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01798**	**.13750**	**.40480**	**5.7908**	**310.49**	**64.801**	**.28481**
Stddev	.00005	.00032	.00235	.0263	2.56	.116	.00116
%RSD	.26419	.22950	.58002	.45504	.82587	.17974	.40573
#1	.01803	.13775	.40446	5.8092	313.34	64.874	.28394
#2	.01796	.13761	.40730	5.8026	308.36	64.863	.28612
#3	.01794	.13715	.40264	5.7606	309.78	64.667	.28437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.29**	**5.6135**	**.02966**	**2.5299**	**.29516**	**16.651**	**2.6874**
Stddev	.16	.0047	.00015	.0130	.00036	.064	.0079
%RSD	.12720	.08344	.50148	.51237	.12222	.38207	.29238
#1	125.10	5.6088	.02958	2.5337	.29519	16.705	2.6916
#2	125.39	5.6134	.02983	2.5406	.29551	16.668	2.6921
#3	125.37	5.6182	.02956	2.5155	.29479	16.581	2.6783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090643 Acquired: 4/6/2011 19:16:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.757**	F **650.93**	F **-37879.**	**.02237**	**.00421**	**1.4908**	**.11006**
Stddev	8.194	2.42	95.	.00110	.00108	.0055	.00095
%RSD	9.3371	.37104	.25192	4.9050	25.687	.36797	.86309
#1	95.322	651.85	-37962.	.02149	.00377	1.4952	.11113
#2	88.897	652.75	-37901.	.02201	.00341	1.4925	.10973
#3	79.053	648.19	-37775.	.02360	.00544	1.4847	.10931
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1685**	**4.1240**	**.01640**	**.55695**	**3.6011**	**.13278**
Stddev	.0051	.0047	.00018	.00235	.0076	.00089
%RSD	.23365	.11444	1.0839	.42254	.21008	.67112
#1	2.1737	4.1289	.01622	.55826	3.6037	.13315
#2	2.1682	4.1234	.01639	.55835	3.6069	.13344
#3	2.1636	4.1195	.01658	.55423	3.5925	.13177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31472.**	**29870.**
Stddev	97.	49.
%RSD	.30914	.16420
#1	31460.	29815.
#2	31382.	29889.
#3	31575.	29907.

Approved: April 07, 2011

Sample Name: L1103090644 Acquired: 4/6/2011 19:20:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02935**	**187.03**	**.13656**	**.22266**	**3.3915**	**.00507**	**374.92**
Stddev	.00056	3.54	.00132	.00757	.0777	.00002	3.86
%RSD	1.9023	1.8901	.96429	3.3990	2.2921	.42254	1.0307
#1	.02974	190.84	.13701	.22846	3.4797	.00507	379.36
#2	.02871	183.85	.13508	.21410	3.3332	.00505	373.10
#3	.02960	186.42	.13760	.22543	3.3615	.00509	372.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02217**	**.14002**	**.42792**	**5.0411**	**318.80**	**58.581**	**.25975**
Stddev	.00011	.00023	.00122	.0051	12.57	1.173	.00687
%RSD	.50641	.16481	.28460	.10161	3.9430	2.0031	2.6440
#1	.02230	.13978	.42699	5.0394	328.25	59.885	.26754
#2	.02209	.14024	.42747	5.0469	304.53	57.611	.25458
#3	.02211	.14005	.42930	5.0371	323.61	58.248	.25714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**118.03**	**6.4177**	**.03812**	**3.9400**	**.28603**	**18.562**	**2.7460**
Stddev	2.60	.1406	.00005	.0669	.00108	.034	.0010
%RSD	2.2057	2.1908	.14334	1.6972	.37594	.18195	.03524
#1	120.93	6.5770	.03812	4.0164	.28659	18.558	2.7471
#2	115.88	6.3110	.03818	3.8923	.28671	18.597	2.7452
#3	117.29	6.3651	.03807	3.9113	.28479	18.530	2.7456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090644 Acquired: 4/6/2011 19:20:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.635**	F **556.61**	F **-33443.**	**.02203**	**.00977**	**1.9308**	**.17251**
Stddev	8.589	.54	45.	.00065	.00094	.0013	.00037
%RSD	9.1729	.09674	.13588	2.9723	9.5813	.06915	.21265
#1	83.815	556.73	-33496.	.02221	.01012	1.9301	.17286
#2	99.745	557.08	-33414.	.02257	.00871	1.9323	.17213
#3	97.346	556.02	-33420.	.02130	.01048	1.9300	.17253
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5721**	**3.4241**	**.01671**	**.55587**	**5.3488**	**.09583**
Stddev	.0320	.0729	.00118	.00148	.0025	.00081
%RSD	2.0341	2.1289	7.0731	.26640	.04637	.84943
#1	1.6079	3.5074	.01807	.55658	5.3513	.09631
#2	1.5466	3.3719	.01614	.55417	5.3485	.09489
#3	1.5617	3.3930	.01591	.55686	5.3464	.09629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31587.**	**29567.**
Stddev	51.	594.
%RSD	.16197	2.0096
#1	31554.	28912.
#2	31561.	30071.
#3	31646.	29717.

Approved: April 07, 2011

Sample Name: L1103090645S Acquired: 4/6/2011 19:23:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23992**	**199.20**	**.33025**	**.24075**	**3.2632**	^ *****	**382.62**
Stddev	.00127	.55	.00209	.00183	.0127	-----	5.48
%RSD	.52953	.27683	.63176	.75915	.39009	-----	1.4330
#1	.24060	199.46	.33207	.24145	3.2735	^ -----	376.65
#2	.24071	199.58	.33071	.23867	3.2490	^ -----	387.42
#3	.23846	198.57	.32798	.24212	3.2672	^ -----	383.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04665**	**.13986**	**.43906**	**5.4379**	**328.69**	**60.826**	**.26664**
Stddev	.00009	.00055	.00151	.0155	.31	.089	.00092
%RSD	.19329	.39575	.34334	.28498	.09524	.14710	.34427
#1	.04667	.13946	.44007	5.4285	329.03	60.900	.26566
#2	.04673	.14049	.43732	5.4558	328.41	60.727	.26676
#3	.04655	.13962	.43978	5.4295	328.65	60.853	.26748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**121.24**	**6.1502**	**.03472**	**3.9780**	**.29197**	**18.698**	**2.8366**
Stddev	.14	.0081	.00014	.0134	.00056	.017	.0059
%RSD	.11752	.13189	.39686	.33771	.19112	.09196	.20835
#1	121.19	6.1529	.03457	3.9768	.29195	18.688	2.8298
#2	121.13	6.1567	.03476	3.9920	.29253	18.717	2.8401
#3	121.40	6.1411	.03484	3.9652	.29142	18.687	2.8399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090645S Acquired: 4/6/2011 19:23:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **86.853**	F **562.58**	F **-33037.**	**.02165**	**.00783**	**1.5768**	**.17195**
Stddev	6.705	1.13	4.	.00206	.00229	.0023	.00053
%RSD	7.7196	.20141	.01103	9.5317	29.289	.14718	.30537
#1	79.993	562.61	-33040.	.02275	.00573	1.5753	.17192
#2	93.390	563.70	-33038.	.01927	.00748	1.5795	.17248
#3	87.176	561.44	-33033.	.02292	.01028	1.5757	.17143
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5990**	**4.5839**	**.01969**	**.59349**	**5.4021**	**.10161**
Stddev	.0044	.0037	.00121	.00137	.0081	.00029
%RSD	.27386	.08093	6.1357	.23006	.14917	.28884
#1	1.6020	4.5881	.01845	.59406	5.3963	.10170
#2	1.6009	4.5822	.01977	.59449	5.4113	.10128
#3	1.5939	4.5813	.02086	.59194	5.3987	.10185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31550.**	**29632.**
Stddev	82.	20.
%RSD	.26088	.06661
#1	31565.	29610.
#2	31461.	29641.
#3	31624.	29646.

Approved: April 07, 2011

Sample Name: L1103090646SD Acquired: 4/6/2011 19:27:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23211**	**187.98**	**.33032**	**.22598**	**3.2385**	**.00473**	**379.66**
Stddev	.00101	1.07	.00091	.00334	.0096	.00004	7.94
%RSD	.43571	.57070	.27562	1.4762	.29647	.86192	2.0917
#1	.23223	188.23	.33073	.22296	3.2467	.00475	374.57
#2	.23306	186.80	.33096	.22542	3.2280	.00475	375.60
#3	.23105	188.90	.32928	.22956	3.2408	.00468	388.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04650**	**.13911**	**.43032**	**5.4075**	**320.14**	**59.537**	**.26087**
Stddev	.00009	.00077	.00107	.0093	4.99	.215	.00107
%RSD	.18639	.55472	.24810	.17221	1.5573	.36042	.41171
#1	.04645	.13890	.43151	5.4041	315.06	59.603	.26186
#2	.04660	.13997	.42945	5.4180	320.34	59.298	.26103
#3	.04645	.13847	.42999	5.4004	325.02	59.712	.25973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.72**	**6.1654**	**.03259**	**3.9139**	**.29297**	**18.394**	**3.0845**
Stddev	.57	.0175	.00025	.0223	.00040	.026	.0066
%RSD	.47598	.28345	.76471	.56973	.13685	.14310	.21313
#1	119.37	6.1571	.03274	3.9165	.29335	18.399	3.0786
#2	119.42	6.1536	.03230	3.8904	.29302	18.418	3.0916
#3	120.38	6.1854	.03272	3.9348	.29255	18.366	3.0832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090646SD Acquired: 4/6/2011 19:27:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360445-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **103.34**	F **568.35**	F **-33051.**	**.02336**	**.00866**	**2.4455**	**.16827**
Stddev	6.22	1.52	37.	.00365	.00077	.0041	.00042
%RSD	6.0236	.26810	.11333	15.643	8.8717	.16602	.25050
#1	107.37	568.63	-33071.	.02452	.00791	2.4488	.16836
#2	106.48	569.72	-33074.	.02630	.00944	2.4467	.16864
#3	96.167	566.71	-33008.	.01927	.00864	2.4410	.16781
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5926**	**3.6814**	**.01707**	**.58295**	**5.3824**	**.09807**
Stddev	.0052	.0090	.00071	.00125	.0083	.00059
%RSD	.32345	.24562	4.1515	.21364	.15440	.60280
#1	1.5962	3.6879	.01746	.58151	5.3750	.09768
#2	1.5867	3.6710	.01749	.58357	5.3914	.09778
#3	1.5950	3.6852	.01625	.58376	5.3808	.09875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31521.**	**29983.**
Stddev	64.	286.
%RSD	.20261	.95450
#1	31528.	29983.
#2	31454.	30269.
#3	31581.	29697.

Approved: April 07, 2011

Sample Name: L1103090647 Acquired: 4/6/2011 19:31:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01981**	**167.70**	**.16062**	**.25253**	**2.0316**	**.00599**
Stddev	.00026	.87	.00070	.00217	.0066	.00002
%RSD	1.3060	.51892	.43299	.85962	.32474	.40531
#1	.02005	167.44	.16100	.25022	2.0369	.00600
#2	.01954	167.00	.16104	.25286	2.0242	.00596
#3	.01984	168.68	.15982	.25453	2.0336	.00601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**332.01**	**.01777**	**.12283**	**.41707**	**4.1096**	**321.49**
Stddev	6.85	.00009	.00007	.00469	.0046	4.58
%RSD	2.0625	.50365	.05905	1.1253	.11210	1.4231
#1	324.46	.01769	.12274	.42085	4.1096	317.56
#2	333.73	.01776	.12287	.41855	4.1142	320.40
#3	337.83	.01787	.12286	.41182	4.1050	326.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.896**	**.23793**	**108.04**	**5.0427**	**.03833**	**17.492**
Stddev	.104	.00186	.14	.0076	.00002	.061
%RSD	.19028	.78244	.13364	.15115	.05949	.34739
#1	54.863	.24004	108.13	5.0390	.03836	17.438
#2	54.813	.23652	107.88	5.0376	.03832	17.481
#3	55.013	.23723	108.12	5.0515	.03832	17.558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090647 Acquired: 4/6/2011 19:31:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27811**	**18.775**	**11.052**	F **89.329**	F **861.75**	F **-113240.**
Stddev	.00069	.028	.005	6.118	1.39	142.
%RSD	.24702	.14669	.04869	6.8490	.16159	.12559
#1	.27782	18.789	11.052	82.302	861.73	-113400.
#2	.27889	18.794	11.058	93.468	863.15	-113210.
#3	.27761	18.744	11.047	92.218	860.37	-113120.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02753**	**.00555**	**3.8517**	**.18301**	**1.0335**	**2.6101**
Stddev	.00100	.00110	.0062	.00100	.0040	.0023
%RSD	3.6256	19.779	.16151	.54511	.38501	.08899
#1	.02803	.00678	3.8541	.18260	1.0314	2.6095
#2	.02638	.00519	3.8563	.18414	1.0311	2.6082
#3	.02818	.00467	3.8446	.18228	1.0381	2.6127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01549**	**.55211**	**6.5361**	**.10911**
Stddev	.00057	.00174	.0057	.00076
%RSD	3.7068	.31476	.08720	.69266
#1	.01615	.55408	6.5388	.10976
#2	.01511	.55142	6.5398	.10929
#3	.01521	.55081	6.5295	.10828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090647 Acquired: 4/6/2011 19:31:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31540.**	**29264.**
Stddev	23.	126.
%RSD	.07319	.43208
#1	31514.	29118.
#2	31547.	29337.
#3	31558.	29337.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 19:34:51 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43734**	**9.4582**	**.42684**	**.52507**	**.96757**	**.05169**	**9.4836**
Stddev	.00116	.0318	.00209	.00052	.00066	.00016	.0317
%RSD	.26535	.33568	.49068	.09823	.06856	.31587	.33473
#1	.43796	9.4268	.42572	.52452	.96690	.05185	9.4553
#2	.43806	9.4903	.42554	.52553	.96823	.05169	9.5179
#3	.43600	9.4575	.42926	.52518	.96758	.05152	9.4775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05384**	**.21708**	**.51606**	**.54363**	**3.9289**	**48.824**	**.98738**
Stddev	.00007	.00051	.00217	.00111	.0113	.104	.00295
%RSD	.13426	.23291	.42123	.20355	.28696	.21263	.29898
#1	.05379	.21665	.51672	.54247	3.9230	48.729	.98399
#2	.05381	.21697	.51363	.54377	3.9419	48.935	.98942
#3	.05392	.21764	.51782	.54467	3.9217	48.807	.98872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.109**	**.50786**	**.98727**	**47.853**	**.52785**	F **-.00078**	**.53884**
Stddev	.044	.00065	.00107	.159	.00116	.00158	.00184
%RSD	.43096	.12756	.10885	.33144	.21888	201.91	.34105
#1	10.099	.50717	.98845	47.672	.52673	-.00261	.53886
#2	10.157	.50795	.98701	47.968	.52778	.00015	.54066
#3	10.072	.50846	.98635	47.919	.52904	.00011	.53699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 19:34:51 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.969**	**10.903**	F **18.603**	**1.3059**	**.42985**	F **.01777**	**1.0712**
Stddev	6.332	.040	4.801	.0071	.00347	.00050	.0014
%RSD	37.315	.36335	25.805	.54613	.80813	2.8227	.13365
#1	22.154	10.889	15.448	1.2980	.42665	.01762	1.0697
#2	9.9119	10.872	16.233	1.3078	.42934	.01736	1.0713
#3	18.841	10.948	24.128	1.3118	.43354	.01833	1.0725
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96631**	**1.0032**	**.54788**	**1.0502**	**1.0329**	F **.00081**
Stddev	.00205	.0015	.00278	.0031	.0008	.00011
%RSD	.21200	.14944	.50725	.29655	.08128	13.155
#1	.96397	1.0016	.54469	1.0526	1.0328	.00092
#2	.96781	1.0045	.54912	1.0514	1.0321	.00079
#3	.96713	1.0035	.54981	1.0467	1.0338	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32664.**	**27325.**
Stddev	42.	212.
%RSD	.12932	.77520
#1	32666.	27544.
#2	32704.	27121.
#3	32620.	27310.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:38:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.02421**	**-.00073**	**-.00261**	**-.00039**	**.00003**	**-.00580**
Stddev	.00039	.00481	.00053	.00032	.00006	.00001	.00822
%RSD	423.07	19.885	72.429	12.125	15.373	14.751	141.70
#1	-.00033	-.02067	-.00116	-.00297	-.00045	.00003	-.01349
#2	.00042	-.02969	-.00091	-.00251	-.00038	.00004	-.00678
#3	.00019	-.02226	-.00014	-.00237	-.00033	.00003	.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00005**	**-.00012**	**-.00066**	**-.00095**	**.19313**	**.00157**
Stddev	.00006	.00007	.00031	.00032	.00144	.03678	.00078
%RSD	122.09	159.80	261.48	48.230	150.83	19.047	49.887
#1	.00011	-.00001	.00024	-.00101	.00068	.23063	.00135
#2	-.00002	-.00013	-.00024	-.00062	-.00154	.19165	.00092
#3	.00007	.00000	-.00036	-.00037	-.00200	.15710	.00244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01023**	**-.00016**	**-.00003**	**.02552**	**.00006**	**-.00270**	**-.00060**
Stddev	.00859	.00020	.00011	.00477	.00032	.00144	.00137
%RSD	83.882	128.55	329.63	18.698	542.64	53.506	228.60
#1	.01917	-.00039	.00005	.02762	.00038	-.00208	-.00193
#2	.00204	-.00002	.00000	.02006	.00007	-.00435	.00082
#3	.00949	-.00007	-.00016	.02888	-.00026	-.00166	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 19:38:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.688**	F **.01116**	F **-3.4043**	**-.00021**	**.00124**	**-.00011**	**.00014**
Stddev	5.543	.01353	7.0645	.00136	.00096	.00112	.00015
%RSD	24.433	121.21	207.52	643.89	77.253	1045.4	108.11
#1	20.404	-.00372	3.7625	-.00044	.00103	-.00011	.00010
#2	18.651	.01447	-10.362	.00125	.00041	-.00122	.00001
#3	29.009	.02272	-3.6133	-.00144	.00229	.00101	.00030
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00115**	**-.00052**	**-.00021**	**-.00016**	**-.00003**
Stddev	.00010	.00057	.00043	.00025	.00006	.00006
%RSD	128.36	49.873	83.872	119.30	37.731	181.25
#1	.00002	.00179	-.00086	-.00050	-.00012	.00002
#2	-.00008	.00098	-.00067	-.00001	-.00012	-.00002
#3	-.00017	.00068	-.00003	-.00012	-.00022	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33221.**	**27617.**
Stddev	4.	300.
%RSD	.01101	1.0869
#1	33225.	27278.
#2	33219.	27851.
#3	33218.	27721.

Approved: April 07, 2011

Sample Name: PBS 1P Acquired: 4/6/2011 19:41:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.02080**	**-.00208**	**-.00253**	**.00023**	**.00004**	**.06277**
Stddev	.00009	.01384	.00094	.00036	.00018	.00001	.00810
%RSD	45.930	66.513	45.436	14.147	77.333	20.387	12.909
#1	-.00013	-.03489	-.00102	-.00256	.00008	.00005	.07176
#2	-.00028	-.00723	-.00284	-.00287	.00043	.00005	.05602
#3	-.00014	-.02030	-.00238	-.00215	.00018	.00003	.06053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00034**	**.00055**	**-.00032**	**.02911**	**.37219**	**.00076**
Stddev	.00005	.00013	.00018	.00038	.00155	.01950	.00199
%RSD	25.261	38.042	32.072	118.79	5.3100	5.2385	261.54
#1	.00013	-.00019	.00075	-.00037	.02925	.35255	.00098
#2	.00019	-.00041	.00047	.00008	.02750	.37249	.00264
#3	.00023	-.00041	.00043	-.00068	.03058	.39154	-.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02091**	**.00010**	**.00002**	**.08153**	**.00228**	F **-.01027**	**-.00026**
Stddev	.00635	.00021	.00014	.00578	.00025	.00210	.00138
%RSD	30.378	211.17	593.53	7.0896	11.166	20.403	522.10
#1	.01541	.00000	-.00004	.07714	.00200	-.01259	-.00114
#2	.01944	.00034	.00018	.07937	.00249	-.00850	.00132
#3	.02786	-.00004	-.00008	.08808	.00236	-.00974	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 1P Acquired: 4/6/2011 19:41:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **30.905**	**5.7226**	F **-1223.9**	**.00214**	**.00322**	**.00859**	**.00028**
Stddev	16.899	.0543	7.8	.00084	.00142	.00112	.00005
%RSD	54.679	.94827	.63649	39.059	44.280	13.012	17.634
#1	29.816	5.6988	-1222.1	.00282	.00377	.00967	.00034
#2	48.322	5.6842	-1217.1	.00240	.00428	.00744	.00026
#3	14.578	5.7846	-1232.4	.00121	.00160	.00865	.00025
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00040**	**-.00163**	**-.00019**	**.00214**	**.00006**
Stddev	.00000	.00076	.00032	.00026	.00002	.00001
%RSD	1.9400	191.70	19.904	136.95	.85787	16.332
#1	.00008	-.00048	-.00141	.00006	.00216	.00005
#2	.00008	.00083	-.00200	-.00017	.00212	.00005
#3	.00009	.00085	-.00148	-.00045	.00213	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32380.**	**27626.**
Stddev	51.	124.
%RSD	.15670	.44976
#1	32408.	27648.
#2	32410.	27738.
#3	32321.	27492.

Approved: April 07, 2011

Sample Name: LCSS 1P Acquired: 4/6/2011 19:45:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20852**	**-.02823**	**.20122**	**-.00286**	**.00016**	**.00006**	**.02813**
Stddev	.00179	.00645	.00069	.00070	.00015	.00001	.00205
%RSD	.85855	22.848	.34538	24.587	95.118	20.312	7.2701
#1	.20767	-.03321	.20181	-.00367	.00028	.00005	.02637
#2	.21057	-.02094	.20045	-.00244	.00022	.00005	.02765
#3	.20731	-.03054	.20140	-.00247	-.00001	.00007	.03038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02579**	**-.00027**	**.00059**	**.27114**	**.01128**	**.12558**	**.00157**
Stddev	.00002	.00005	.00042	.00007	.00248	.00608	.00113
%RSD	.06889	18.154	70.698	.02642	21.951	4.8418	72.092
#1	.02577	-.00030	.00012	.27120	.01119	.12600	.00041
#2	.02581	-.00030	.00073	.27106	.01381	.11929	.00162
#3	.02579	-.00021	.00092	.27115	.00886	.13143	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01308**	**.25944**	**.00002**	**.07317**	**.00062**	F **-.00787**	**.27362**
Stddev	.00608	.00045	.00012	.00437	.00027	.00162	.00084
%RSD	46.503	.17200	543.94	5.9710	44.612	20.607	.30761
#1	.01954	.25904	.00015	.07122	.00031	-.00793	.27267
#2	.00747	.25936	.00000	.07011	.00069	-.00945	.27393
#3	.01222	.25992	-.00008	.07818	.00084	-.00621	.27427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 1P Acquired: 4/6/2011 19:45:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **32.269**	**.21399**	F **-30.697**	**.00215**	**.00111**	**.00787**	**.00033**
Stddev	8.013	.00660	.285	.00091	.00086	.00045	.00011
%RSD	24.832	3.0860	.92990	42.372	77.523	5.7699	32.701
#1	28.006	.22120	-30.549	.00267	.00012	.00764	.00038
#2	27.289	.21253	-30.517	.00268	.00153	.00840	.00021
#3	41.513	.20823	-31.026	.00110	.00167	.00758	.00042
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00085**	**-.00140**	**-.00015**	**.00314**	**-.00002**
Stddev	.00008	.00042	.00090	.00023	.00004	.00014
%RSD	2297.1	50.105	64.089	147.97	1.2636	686.60
#1	.00010	.00078	-.00178	-.00020	.00309	-.00014
#2	-.00006	.00130	-.00038	.00009	.00315	-.00004
#3	-.00002	.00046	-.00205	-.00035	.00317	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32420.**	**27525.**
Stddev	73.	112.
%RSD	.22380	.40848
#1	32411.	27434.
#2	32353.	27491.
#3	32497.	27651.

Approved: April 07, 2011

Sample Name: L1103090648 Acquired: 4/6/2011 19:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**91.682**	**.15172**	**.17274**	**1.2126**	**.00696**	**167.34**
Stddev	.00060	.141	.00100	.00078	.0022	.00002	.32
%RSD	6.0320	.15326	.65875	.45055	.17986	.28148	.19039
#1	.01009	91.653	.15195	.17353	1.2141	.00694	167.56
#2	.01032	91.835	.15063	.17272	1.2135	.00697	167.50
#3	.00919	91.558	.15259	.17197	1.2101	.00696	166.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.10671**	**.29081**	**6.9660**	**210.98**	**32.464**	**.17045**
Stddev	.00003	.00005	.00226	.0232	.35	.067	.00040
%RSD	.31869	.04997	.77743	.33230	.16730	.20712	.23613
#1	.00958	.10673	.29248	6.9914	211.09	32.464	.17091
#2	.00964	.10675	.29170	6.9607	211.27	32.531	.17026
#3	.00962	.10665	.28823	6.9460	210.59	32.397	.17018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**78.313**	**4.6621**	**.10683**	**5.6658**	**.20113**	**20.877**	**1.2076**
Stddev	.238	.0044	.00030	.0150	.00069	.041	.0028
%RSD	.30397	.09472	.27666	.26413	.34362	.19608	.22842
#1	78.228	4.6589	.10717	5.6606	.20191	20.916	1.2100
#2	78.582	4.6671	.10662	5.6827	.20058	20.881	1.2083
#3	78.129	4.6602	.10671	5.6541	.20092	20.834	1.2046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090648 Acquired: 4/6/2011 19:48:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **79.285**	F **433.83**	F **-57347.**	**.01622**	**.00843**	**1.5931**	**.07264**
Stddev	3.704	1.51	43.	.00145	.00071	.0047	.00023
%RSD	4.6711	.34709	.07478	8.9372	8.4406	.29809	.32310
#1	78.913	435.49	-57338.	.01660	.00805	1.5893	.07244
#2	83.160	433.44	-57394.	.01744	.00925	1.5916	.07257
#3	75.781	432.56	-57310.	.01462	.00799	1.5985	.07289
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75826**	**.91564**	**.00761**	**.33095**	**2.4528**	**.04827**
Stddev	.00090	.00160	.00033	.00148	.0065	.00035
%RSD	.11856	.17529	4.2855	.44778	.26635	.71705
#1	.75900	.91626	.00724	.33262	2.4600	.04830
#2	.75852	.91684	.00778	.33045	2.4510	.04861
#3	.75726	.91382	.00782	.32978	2.4473	.04791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32213.**	**29319.**
Stddev	135.	224.
%RSD	.41863	.76378
#1	32063.	29233.
#2	32253.	29150.
#3	32323.	29573.

Approved: April 07, 2011

Sample Name: L1103090701 Acquired: 4/6/2011 19:52:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02024**	**90.773**	**.11375**	**.12974**	**1.6823**	**.00757**	**231.58**
Stddev	.00018	.109	.00117	.00076	.0015	.00003	.18
%RSD	.86605	.12000	1.0293	.58270	.08828	.41495	.07586
#1	.02031	90.699	.11295	.12939	1.6807	.00758	231.68
#2	.02038	90.898	.11321	.12922	1.6836	.00760	231.68
#3	.02005	90.723	.11510	.13061	1.6826	.00754	231.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**.10344**	**.27314**	**1.8472**	**171.35**	**28.910**	**.16237**
Stddev	.00001	.00081	.00132	.0017	.33	.005	.00112
%RSD	.12845	.78657	.48482	.09265	.19040	.01697	.68977
#1	.00671	.10407	.27225	1.8483	171.20	28.906	.16112
#2	.00671	.10252	.27466	1.8452	171.12	28.909	.16327
#3	.00672	.10372	.27251	1.8480	171.72	28.915	.16273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**73.718**	**4.7321**	**.03202**	**15.547**	**.20688**	**13.426**	**.56811**
Stddev	.230	.0074	.00032	.023	.00096	.016	.00199
%RSD	.31215	.15674	.98673	.14668	.46408	.11752	.34955
#1	73.786	4.7363	.03203	15.560	.20790	13.431	.56812
#2	73.461	4.7235	.03170	15.560	.20600	13.408	.56612
#3	73.906	4.7365	.03234	15.520	.20673	13.438	.57009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701 Acquired: 4/6/2011 19:52:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.329**	F **412.61**	F **-35597.**	**.01608**	**.00827**	**1.6073**	**.04807**
Stddev	3.385	.29	30.	.00124	.00218	.0037	.00037
%RSD	4.3216	.06929	.08415	7.7211	26.362	.23207	.76131
#1	74.544	412.60	-35631.	.01701	.00716	1.6104	.04789
#2	79.377	412.33	-35587.	.01467	.00686	1.6032	.04782
#3	81.066	412.90	-35574.	.01655	.01078	1.6083	.04849
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87892**	**.71546**	**.00612**	**.29358**	**1.1480**	**.05368**
Stddev	.00190	.00090	.00037	.00016	.0005	.00020
%RSD	.21652	.12546	6.1092	.05305	.04634	.36976
#1	.87996	.71454	.00641	.29368	1.1486	.05380
#2	.88007	.71552	.00625	.29366	1.1475	.05380
#3	.87672	.71633	.00569	.29340	1.1479	.05345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31910.**	**29678.**
Stddev	33.	210.
%RSD	.10199	.70597
#1	31873.	29470.
#2	31926.	29889.
#3	31932.	29676.

Approved: April 07, 2011

Sample Name: L1103090701PS Acquired: 4/6/2011 19:55:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360965-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23342**	**86.770**	**.30592**	**1.0761**	**1.9829**	**.03261**	**214.65**
Stddev	.00048	.552	.00191	.0042	.0091	.00008	1.19
%RSD	.20604	.63596	.62339	.39058	.45832	.25619	.55425
#1	.23360	86.491	.30712	1.0728	1.9827	.03264	214.03
#2	.23288	86.414	.30372	1.0747	1.9739	.03252	213.90
#3	.23379	87.406	.30692	1.0808	1.9921	.03268	216.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03162**	**.19378**	**.49271**	**1.9066**	**157.09**	**49.349**	**.62019**
Stddev	.00007	.00024	.00118	.0033	.70	.195	.00242
%RSD	.22733	.12351	.23909	.17328	.44690	.39600	.39016
#1	.03155	.19375	.49251	1.9072	157.07	49.219	.61843
#2	.03169	.19356	.49165	1.9030	156.39	49.253	.61918
#3	.03163	.19404	.49398	1.9096	157.80	49.573	.62295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**71.215**	**4.5105**	**.51822**	**37.439**	**.42982**	**12.219**	**.74886**
Stddev	.297	.0094	.00008	.195	.00033	.015	.00051
%RSD	.41683	.20744	.01598	.51986	.07581	.11935	.06809
#1	71.014	4.5012	.51831	37.253	.43011	12.220	.74943
#2	71.076	4.5104	.51817	37.425	.42947	12.204	.74867
#3	71.556	4.5199	.51817	37.641	.42987	12.233	.74847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701PS Acquired: 4/6/2011 19:55:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360965-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **71.035**	F **376.33**	F **-32485.**	**.61284**	**.20779**	**4.0038**	**.04366**
Stddev	1.230	.82	55.	.00157	.00283	.0067	.00062
%RSD	1.7320	.21772	.16989	.25681	1.3618	.16675	1.4227
#1	70.625	376.04	-32469.	.61243	.20685	4.0062	.04414
#2	70.062	375.69	-32440.	.61151	.20555	3.9962	.04296
#3	72.418	377.25	-32547.	.61458	.21097	4.0089	.04389
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2565**	**1.1182**	**.24401**	**.78918**	**1.5125**	**.04906**
Stddev	.0054	.0031	.00108	.00227	.0028	.00020
%RSD	.42675	.27855	.44264	.28736	.18708	.40939
#1	1.2519	1.1154	.24500	.78773	1.5108	.04894
#2	1.2554	1.1177	.24286	.78803	1.5110	.04895
#3	1.2624	1.1216	.24416	.79180	1.5158	.04930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31936.**	**29459.**
Stddev	24.	125.
%RSD	.07546	.42583
#1	31952.	29406.
#2	31948.	29602.
#3	31909.	29368.

Approved: April 07, 2011

Sample Name: L1103090701SDL Acquired: 4/6/2011 19:58:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00387**	**18.740**	**.02493**	**.02684**	**.33970**	**.00154**	**48.401**
Stddev	.00080	.175	.00064	.00044	.00109	.00001	.279
%RSD	20.533	.93547	2.5481	1.6425	.32039	.49447	.57659
#1	.00309	18.638	.02470	.02708	.34027	.00155	48.235
#2	.00468	18.640	.02444	.02633	.33844	.00154	48.245
#3	.00385	18.943	.02565	.02710	.34037	.00154	48.723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.02231**	**.05725**	**.40012**	**35.962**	**6.1756**	**.03453**
Stddev	.00007	.00012	.00007	.00033	.121	.0171	.00080
%RSD	4.7304	.52421	.13086	.08265	.33634	.27745	2.3306
#1	.00145	.02237	.05734	.40042	35.903	6.1772	.03499
#2	.00136	.02218	.05721	.40017	35.882	6.1578	.03360
#3	.00149	.02238	.05721	.39976	36.101	6.1919	.03500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.010**	**1.0018**	**.00631**	**3.2054**	**.04485**	**2.9732**	**.12850**
Stddev	.088	.0042	.00012	.0215	.00041	.0029	.00108
%RSD	.54896	.42342	1.8546	.66919	.92423	.09706	.83855
#1	15.928	.99808	.00619	3.1999	.04533	2.9761	.12729
#2	15.999	1.0010	.00633	3.1872	.04464	2.9704	.12888
#3	16.103	1.0064	.00642	3.2291	.04458	2.9733	.12935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701SDL Acquired: 4/6/2011 19:58:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **29.200**	F **94.449**	F **-7816.4**	**.00189**	**.00197**	**.34476**	**.01027**
Stddev	8.003	.354	20.2	.00072	.00072	.00114	.00035
%RSD	27.407	.37472	.25854	37.930	36.622	.33077	3.3847
#1	33.506	94.811	-7797.8	.00268	.00134	.34587	.00987
#2	34.128	94.431	-7813.6	.00168	.00275	.34481	.01040
#3	19.966	94.104	-7837.9	.00130	.00181	.34359	.01053
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17936**	**.14823**	**.00255**	**.06015**	**.24947**	**.01048**
Stddev	.00131	.00066	.00042	.00019	.00037	.00015
%RSD	.73252	.44740	16.470	.31887	.14964	1.4593
#1	.17876	.14890	.00221	.06019	.24979	.01051
#2	.17845	.14822	.00302	.06032	.24906	.01062
#3	.18086	.14758	.00243	.05994	.24957	.01032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33349.**	**29026.**
Stddev	49.	475.
%RSD	.14609	1.6382
#1	33293.	29477.
#2	33375.	29072.
#3	33380.	28529.

Approved: April 07, 2011

Sample Name: L1103090701SDL Acquired: 4/6/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**3.8138**	**.00612**	**.00305**	**.06732**	**.00031**	**9.7915**
Stddev	.00068	.0273	.00070	.00063	.00019	.00002	.0260
%RSD	84.882	.71524	11.370	20.799	.28177	5.3617	.26509
#1	.00052	3.7970	.00582	.00265	.06741	.00029	9.7781
#2	.00157	3.7992	.00691	.00272	.06710	.00032	9.7750
#3	.00030	3.8453	.00562	.00378	.06745	.00031	9.8214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00459**	**.01101**	**.08123**	**7.1718**	**1.3349**	**.00643**
Stddev	.00008	.00013	.00034	.00019	.0193	.0059	.00087
%RSD	44.418	2.9213	3.0852	.23947	.26865	.44393	13.567
#1	.00013	.00474	.01140	.08102	7.1522	1.3281	.00558
#2	.00026	.00448	.01082	.08125	7.1727	1.3391	.00640
#3	.00012	.00454	.01081	.08141	7.1907	1.3376	.00732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2704**	**.20304**	**.00094**	**.66838**	**.00860**	**.59628**	**.02593**
Stddev	.0027	.00031	.00004	.00222	.00028	.00254	.00067
%RSD	.08195	.15270	3.8144	.33188	3.2462	.42641	2.5836
#1	3.2677	.20268	.00097	.67088	.00828	.59657	.02648
#2	3.2730	.20322	.00094	.66665	.00881	.59361	.02518
#3	3.2703	.20321	.00090	.66761	.00871	.59867	.02612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090701SDL Acquired: 4/6/2011 20:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360965-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **20.294**	F **19.499**	F **-1560.0**	**-.00019**	**.00021**	**.06569**	**.00156**
Stddev	6.664	.111	5.8	.00108	.00128	.00090	.00026
%RSD	32.838	.56938	.37142	581.60	617.27	1.3648	16.556
#1	12.715	19.616	-1562.3	-.00070	.00094	.06585	.00139
#2	22.927	19.484	-1553.5	-.00090	-.00127	.06650	.00143
#3	25.239	19.395	-1564.4	.00105	.00096	.06473	.00186
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03643**	**.03008**	**.00125**	**.01154**	**.05099**	**.00157**
Stddev	.00012	.00071	.00093	.00027	.00004	.00007
%RSD	.32817	2.3663	74.717	2.3658	.07100	4.5135
#1	.03639	.03019	.00228	.01181	.05095	.00165
#2	.03633	.02932	.00100	.01153	.05102	.00152
#3	.03656	.03073	.00046	.01126	.05101	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33883.**	**28132.**
Stddev	75.	98.
%RSD	.22098	.34730
#1	33796.	28236.
#2	33928.	28115.
#3	33924.	28043.

Approved: April 07, 2011

Sample Name: L1103090702 Acquired: 4/6/2011 20:05:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00717**	**111.32**	**.07066**	**.10667**	**2.0761**	**.00738**	**544.57**
Stddev	.00028	.71	.00150	.00006	.0022	.00002	2.54
%RSD	3.9222	.64040	2.1264	.05642	.10515	.32706	.46600
#1	.00715	110.55	.07195	.10670	2.0741	.00737	546.60
#2	.00690	111.43	.07101	.10671	2.0756	.00740	541.73
#3	.00747	111.96	.06901	.10660	2.0784	.00735	545.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00642**	**.11763**	**.23898**	**1.3351**	**203.44**	**32.077**	**.20171**
Stddev	.00007	.00041	.00144	.0028	.42	.134	.00132
%RSD	1.0989	.35023	.60369	.20686	.20818	.41714	.65313
#1	.00635	.11804	.23919	1.3381	202.95	31.932	.20190
#2	.00643	.11764	.24030	1.3342	203.67	32.104	.20030
#3	.00649	.11721	.23744	1.3328	203.70	32.195	.20292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.30**	**5.1752**	**.01192**	**1.4754**	**.24045**	**12.128**	**.43188**
Stddev	.47	.0190	.00013	.0099	.00076	.031	.00032
%RSD	.46755	.36787	1.1062	.66992	.31503	.25202	.07299
#1	100.76	5.1533	.01184	1.4646	.24076	12.161	.43161
#2	101.62	5.1878	.01184	1.4776	.23959	12.124	.43182
#3	101.53	5.1844	.01207	1.4840	.24100	12.100	.43223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090702 Acquired: 4/6/2011 20:05:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.507**	F **719.55**	F **-23353.**	**.00900**	**.00402**	**1.9894**	**.02118**
Stddev	1.761	.57	84.	.00151	.00045	.0018	.00046
%RSD	2.1088	.07878	.36173	16.778	11.106	.09220	2.1840
#1	82.457	720.00	-23451.	.00741	.00428	1.9875	.02151
#2	85.540	719.74	-23305.	.00918	.00427	1.9912	.02138
#3	82.524	718.92	-23304.	.01042	.00350	1.9896	.02065
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3484**	**1.1106**	**.00905**	**.36490**	**1.0761**	**.06880**
Stddev	.0070	.0036	.00056	.00161	.0017	.00034
%RSD	.51809	.31965	6.2216	.44082	.16070	.49427
#1	1.3407	1.1065	.00969	.36307	1.0747	.06891
#2	1.3502	1.1126	.00863	.36609	1.0780	.06907
#3	1.3544	1.1128	.00883	.36555	1.0754	.06842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30525.**	**28713.**
Stddev	73.	143.
%RSD	.24077	.49829
#1	30515.	28666.
#2	30457.	28599.
#3	30603.	28874.

Approved: April 07, 2011

Sample Name: L1103090703 Acquired: 4/6/2011 20:09:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00643**	**130.90**	**.07321**	**.11942**	**2.0530**	**.00918**	**485.29**
Stddev	.00013	.50	.00052	.00129	.0088	.00003	2.57
%RSD	1.9896	.37952	.71053	1.0782	.42618	.35423	.53024
#1	.00640	130.47	.07371	.11832	2.0441	.00921	482.74
#2	.00632	130.79	.07323	.12084	2.0616	.00917	485.24
#3	.00657	131.45	.07267	.11910	2.0532	.00915	487.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00513**	**.12304**	**.29700**	**.89260**	**240.26**	**36.142**	**.21259**
Stddev	.00011	.00022	.00117	.00197	1.10	.084	.00137
%RSD	2.1651	.17833	.39447	.22116	.45622	.23172	.64482
#1	.00502	.12293	.29692	.89474	239.26	36.045	.21124
#2	.00513	.12291	.29821	.89220	241.43	36.183	.21398
#3	.00524	.12330	.29587	.89085	240.09	36.196	.21256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**107.32**	**5.1567**	**.00964**	**1.5564**	**.25993**	**11.498**	**.27890**
Stddev	.24	.0035	.00013	.0102	.00041	.006	.00104
%RSD	.22787	.06806	1.3422	.65278	.15742	.05093	.37259
#1	107.03	5.1527	.00949	1.5647	.25996	11.504	.27999
#2	107.46	5.1583	.00973	1.5451	.25950	11.492	.27881
#3	107.46	5.1592	.00971	1.5593	.26032	11.498	.27791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090703 Acquired: 4/6/2011 20:09:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **80.420**	F **612.03**	F **-16664.**	**.00783**	**.00464**	**1.5115**	**.01343**
Stddev	3.600	.51	19.	.00201	.00117	.0062	.00015
%RSD	4.4762	.08413	.11538	25.686	25.276	.41285	1.1050
#1	76.288	612.24	-16655.	.00979	.00528	1.5110	.01352
#2	82.091	612.41	-16686.	.00791	.00536	1.5055	.01350
#3	82.881	611.45	-16652.	.00578	.00329	1.5180	.01326
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2810**	**.91682**	**.01030**	**.43548**	**.82883**	**.07277**
Stddev	.0025	.00195	.00176	.00038	.00097	.00018
%RSD	.19532	.21261	17.093	.08795	.11699	.24154
#1	1.2807	.91467	.00957	.43539	.82772	.07264
#2	1.2786	.91731	.01231	.43590	.82949	.07297
#3	1.2836	.91848	.00902	.43515	.82928	.07270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30964.**	**29352.**
Stddev	40.	77.
%RSD	.12995	.26128
#1	30927.	29281.
#2	30959.	29342.
#3	31007.	29434.

Approved: April 07, 2011

Sample Name: L1103090704 Acquired: 4/6/2011 20:13:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02432**	**121.84**	**.12106**	**.16235**	**1.9233**	**.00840**	**238.52**
Stddev	.00037	.50	.00180	.00238	.0081	.00006	1.01
%RSD	1.5097	.40926	1.4840	1.4683	.42114	.72733	.42412
#1	.02397	121.63	.11936	.15971	1.9183	.00835	238.07
#2	.02429	121.49	.12294	.16298	1.9190	.00838	237.80
#3	.02470	122.41	.12088	.16435	1.9327	.00847	239.67
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.12124**	**.36004**	**2.0525**	**224.73**	**36.732**	**.20853**
Stddev	.00007	.00071	.00391	.0112	2.29	.119	.00042
%RSD	1.0265	.58951	1.0864	.54766	1.0195	.32499	.20289
#1	.00704	.12051	.35632	2.0408	222.09	36.660	.20807
#2	.00706	.12129	.35969	2.0534	225.94	36.666	.20863
#3	.00693	.12194	.36412	2.0633	226.16	36.870	.20890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**93.072**	**5.1093**	**.03341**	**16.178**	**.25457**	**13.189**	**.57232**
Stddev	.301	.0059	.00029	.026	.00086	.037	.00244
%RSD	.32386	.11508	.86432	.16045	.33840	.27706	.42716
#1	92.761	5.1027	.03326	16.180	.25386	13.152	.56949
#2	93.091	5.1114	.03374	16.151	.25433	13.189	.57369
#3	93.363	5.1139	.03323	16.203	.25553	13.225	.57377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090704 Acquired: 4/6/2011 20:13:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.148**	F **432.93**	F **-39915.**	**.01739**	**.00838**	**1.4708**	**.06300**
Stddev	5.202	2.25	134.	.00201	.00174	.0059	.00032
%RSD	5.8349	.52062	.33673	11.559	20.749	.40127	.51576
#1	94.591	430.53	-39776.	.01591	.00695	1.4640	.06264
#2	84.227	433.25	-39924.	.01968	.00788	1.4742	.06327
#3	88.626	435.00	-40045.	.01659	.01032	1.4742	.06309
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96031**	**1.0070**	**.00881**	**.38789**	**1.2592**	**.07136**
Stddev	.00227	.0024	.00143	.00104	.0020	.00099
%RSD	.23654	.23300	16.238	.26788	.15694	1.3911
#1	.96070	1.0043	.00784	.38696	1.2570	.07038
#2	.95786	1.0082	.01045	.38901	1.2599	.07134
#3	.96235	1.0085	.00813	.38769	1.2608	.07237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31797.**	**29851.**
Stddev	24.	63.
%RSD	.07479	.20968
#1	31805.	29880.
#2	31816.	29894.
#3	31770.	29779.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:16:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .44909	9.4264	.43445	.53549	.96532	.05269	9.4493
Stddev	.00085	.0399	.00116	.00339	.00115	.00001	.0343
%RSD	.18976	.42356	.26793	.63218	.11940	.01268	.36262
#1	.44971	9.4049	.43551	.53928	.96416	.05268	9.4138
#2	.44812	9.4725	.43463	.53442	.96534	.05270	9.4821
#3	.44945	9.4018	.43320	.53276	.96647	.05269	9.4520
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.40000						
Range	10.000%						

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05484	F .22117	.52358	F .55445	3.9129	48.617	.98571
Stddev	.00015	.00050	.00114	.00093	.0032	.145	.00085
%RSD	.27985	.22384	.21740	.16773	.08287	.29770	.08667
#1	.05489	.22127	.52438	.55530	3.9098	48.489	.98661
#2	.05467	.22161	.52407	.55461	3.9162	48.774	.98490
#3	.05496	.22063	.52227	.55346	3.9128	48.589	.98564
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value		.20000		.50000			
Range		10.000%		10.000%			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.084	.50935	.99395	47.774	.53501	F .00192	.54527
Stddev	.031	.00052	.00066	.195	.00021	.00135	.00083
%RSD	.30265	.10161	.06656	.40829	.03926	70.376	.15289
#1	10.054	.50940	.99412	47.633	.53495	.00080	.54536
#2	10.115	.50985	.99322	47.997	.53525	.00154	.54606
#3	10.082	.50882	.99451	47.692	.53484	.00342	.54439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:16:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8078**	F **11.064**	F **21.112**	F **1.3227**	**.43786**	F **.01935**	**1.0869**
Stddev	4.0944	.080	3.560	.0064	.00296	.00091	.0012
%RSD	41.746	.72471	16.864	.48144	.67504	4.7007	.11412
#1	11.568	11.063	19.190	1.3204	.44105	.01856	1.0881
#2	5.1276	11.144	18.926	1.3299	.43734	.02034	1.0869
#3	12.728	10.984	25.220	1.3178	.43521	.01914	1.0856
Check ?	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value		10.000	10.000	1.2000		5.0000	
Range		10.000%	10.000%	10.000%		-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96580**	**1.0057**	F **.55680**	**1.0738**	**1.0517**	F **.00076**
Stddev	.00325	.0015	.00285	.0019	.0009	.00008
%RSD	.33654	.14540	.51188	.17787	.08314	11.105
#1	.96334	1.0041	.55822	1.0758	1.0514	.00080
#2	.96949	1.0070	.55865	1.0737	1.0527	.00067
#3	.96458	1.0059	.55351	1.0720	1.0510	.00082
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value			.50000			1.0000
Range			10.000%			-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31836.**	**27461.**
Stddev	22.	250.
%RSD	.06869	.91118
#1	31848.	27750.
#2	31811.	27323.
#3	31850.	27310.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 20:19:54 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.02020**	**-.00052**	**-.00299**	**-.00013**	**.00005**	**-.00446**
Stddev	.00038	.00938	.00052	.00079	.00018	.00001	.00346
%RSD	122.81	46.454	99.636	26.499	137.85	23.933	77.624
#1	-.00034	-.02564	-.00059	-.00225	-.00003	.00006	-.00130
#2	.00009	-.00936	.00003	-.00291	-.00002	.00004	-.00816
#3	-.00067	-.02559	-.00100	-.00383	-.00034	.00005	-.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00004**	**-.00025**	**-.00023**	**.00017**	**.15203**	**.00066**
Stddev	.00008	.00006	.00010	.00020	.00156	.00402	.00066
%RSD	148.00	150.73	41.825	86.107	914.37	2.6411	100.46
#1	.00012	.00010	-.00018	-.00003	-.00148	.14797	.00113
#2	.00008	-.00001	-.00020	-.00043	.00035	.15213	-.00010
#3	-.00004	.00002	-.00037	-.00023	.00164	.15599	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.00020**	**.00009**	**.01913**	**.00016**	**-.00131**	**-.00068**
Stddev	.00160	.00006	.00007	.00412	.00016	.00103	.00096
%RSD	40.609	31.184	75.056	21.545	101.01	78.556	142.05
#1	.00417	-.00025	.00013	.02041	.00032	-.00249	.00037
#2	.00542	-.00013	.00001	.01452	.00000	-.00064	-.00089
#3	.00224	-.00021	.00014	.02246	.00017	-.00079	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 20:19:54 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **9.6983**	F **-.01938**	F **5.1811**	**.00066**	**.00212**	**.00013**	**-.00014**
Stddev	.8691	.05103	7.4239	.00075	.00080	.00089	.00020
%RSD	8.9619	263.35	143.29	112.92	37.672	687.95	140.15
#1	10.677	-.03159	13.184	.00029	.00169	-.00080	-.00026
#2	9.4006	.03665	-1.4817	.00152	.00305	.00021	.00009
#3	9.0172	-.06319	3.8413	.00018	.00164	.00098	-.00024
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00035**	**.00007**	**-.00010**	**-.00018**	**-.00009**
Stddev	.00003	.00080	.00136	.00002	.00005	.00008
%RSD	42.591	226.98	2032.4	17.269	28.069	91.197
#1	-.00004	-.00126	.00163	-.00011	-.00023	-.00006
#2	-.00009	-.00004	-.00054	-.00008	-.00013	-.00003
#3	-.00009	.00024	-.00089	-.00011	-.00020	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32680.**	**27100.**
Stddev	80.	165.
%RSD	.24328	.60782
#1	32602.	26925.
#2	32761.	27122.
#3	32678.	27252.

Approved: April 07, 2011

Sample Name: L1103090705 Acquired: 4/6/2011 20:23:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05226**	**127.85**	**.41331**	**.18375**	**1.9558**	**.00830**
Stddev	.00039	1.06	.00334	.00148	.0042	.00003
%RSD	.74815	.83125	.80783	.80723	.21403	.37229
#1	.05194	126.84	.40946	.18308	1.9510	.00827
#2	.05270	127.76	.41530	.18544	1.9577	.00833
#3	.05213	128.96	.41518	.18271	1.9587	.00829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**263.68**	**.01969**	**.12279**	**.17734**	**58.723**	**353.24**
Stddev	1.38	.00003	.00024	.00025	.084	2.43
%RSD	.52145	.15733	.19329	.14196	.14324	.68916
#1	262.43	.01966	.12259	.17717	58.626	351.41
#2	263.47	.01972	.12305	.17763	58.768	356.00
#3	265.16	.01969	.12273	.17722	58.776	352.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.557**	**.23314**	**109.25**	**3.7729**	**.13083**	**2.1467**
Stddev	.099	.00151	.51	.0126	.00016	.0111
%RSD	.31405	.64977	.46610	.33408	.11887	.51566
#1	31.456	.23296	108.85	3.7664	.13086	2.1420
#2	31.561	.23474	109.07	3.7649	.13067	2.1387
#3	31.654	.23172	109.82	3.7875	.13097	2.1593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090705 Acquired: 4/6/2011 20:23:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20026**	**13.367**	**1.9569**	F **73.978**	F **1202.8**	F **-205380.**
Stddev	.00083	.025	.0025	6.273	2.5	62.
%RSD	.41451	.18641	.12829	8.4799	.21189	.03013
#1	.19978	13.350	1.9542	68.619	1199.9	-205410.
#2	.19979	13.355	1.9573	80.878	1204.0	-205420.
#3	.20122	13.395	1.9591	72.438	1204.5	-205310.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05753**	**.06628**	**1.5721**	**.16773**	**1.1284**	**.56598**
Stddev	.00249	.00239	.0024	.00036	.0060	.00110
%RSD	4.3282	3.6049	.15258	.21473	.53404	.19482
#1	.05493	.06624	1.5730	.16733	1.1239	.56650
#2	.05990	.06868	1.5740	.16785	1.1260	.56471
#3	.05777	.06391	1.5694	.16802	1.1352	.56672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00886**	**.46532**	**2.6574**	**.05773**
Stddev	.00128	.00067	.0026	.00022
%RSD	14.449	.14382	.09709	.37397
#1	.00750	.46529	2.6546	.05795
#2	.01005	.46601	2.6580	.05772
#3	.00902	.46467	2.6597	.05752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090705 Acquired: 4/6/2011 20:23:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31181.**	**29116.**
Stddev	35.	91.
%RSD	.11184	.31286
#1	31195.	29043.
#2	31141.	29218.
#3	31207.	29087.

Approved: April 07, 2011

Sample Name: L1103090706 Acquired: 4/6/2011 20:27:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05497**	**132.50**	**.45610**	**.18073**	**2.0214**	**.00893**
Stddev	.00059	.74	.00241	.00546	.0055	.00004
%RSD	1.0668	.55479	.52787	3.0220	.27144	.48311
#1	.05557	131.92	.45419	.17476	2.0189	.00891
#2	.05494	132.24	.45880	.18195	2.0177	.00898
#3	.05440	133.32	.45531	.18548	2.0277	.00891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**258.14**	**.02163**	**.12605**	**.17228**	**73.812**	**337.20**
Stddev	1.33	.00005	.00053	.00042	.326	8.56
%RSD	.51593	.23637	.41783	.24563	.44116	2.5399
#1	257.20	.02160	.12552	.17277	73.438	327.88
#2	257.55	.02169	.12605	.17211	74.033	338.98
#3	259.66	.02160	.12658	.17198	73.966	344.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.300**	**.24202**	**109.22**	**3.9411**	**.12264**	**2.1385**
Stddev	.142	.00029	.35	.0081	.00034	.0112
%RSD	.46831	.11895	.32117	.20489	.27750	.52299
#1	30.250	.24220	109.00	3.9354	.12237	2.1267
#2	30.190	.24169	109.03	3.9376	.12302	2.1400
#3	30.460	.24218	109.62	3.9503	.12252	2.1489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090706 Acquired: 4/6/2011 20:27:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20618**	**13.257**	**2.9272**	F **69.716**	F **1188.1**	F **-206600.**
Stddev	.00073	.018	.0112	8.752	4.1	170.
%RSD	.35443	.13360	.38250	12.554	.34127	.08251
#1	.20644	13.247	2.9200	77.940	1184.2	-206470.
#2	.20675	13.278	2.9401	70.690	1192.3	-206550.
#3	.20535	13.247	2.9215	60.518	1187.7	-206790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07422**	**.07072**	**1.8036**	**.14928**	**1.0547**	**.54525**
Stddev	.00319	.00342	.0011	.00025	.0053	.00155
%RSD	4.2940	4.8420	.06316	.16932	.50038	.28354
#1	.07303	.06685	1.8023	.14941	1.0503	.54418
#2	.07783	.07198	1.8045	.14944	1.0533	.54455
#3	.07180	.07334	1.8039	.14899	1.0606	.54703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00868**	**.43628**	**2.9313**	**.05711**
Stddev	.00143	.00128	.0072	.00044
%RSD	16.525	.29356	.24625	.76239
#1	.00931	.43545	2.9249	.05661
#2	.00704	.43775	2.9391	.05740
#3	.00968	.43564	2.9297	.05733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090706 Acquired: 4/6/2011 20:27:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31347.**	**29143.**
Stddev	84.	109.
%RSD	.26810	.37307
#1	31405.	29105.
#2	31251.	29266.
#3	31386.	29059.

Approved: April 07, 2011

Sample Name: L1103090707 Acquired: 4/6/2011 20:30:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03558**	**135.86**	**.28873**	**.16439**	**2.3078**	**.00857**
Stddev	.00044	.83	.00101	.00277	.0081	.00001
%RSD	1.2484	.60924	.34979	1.6836	.34971	.16785
#1	.03515	136.69	.28801	.16163	2.3119	.00856
#2	.03557	135.84	.28830	.16717	2.3129	.00857
#3	.03604	135.03	.28989	.16437	2.2984	.00859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**283.72**	**.01418**	**.12866**	**.21873**	**28.991**	**312.68**
Stddev	2.65	.00006	.00041	.00087	.033	3.45
%RSD	.93417	.39624	.31488	.39578	.11424	1.1027
#1	282.23	.01413	.12896	.21795	28.970	309.05
#2	286.78	.01418	.12820	.21858	28.974	315.90
#3	282.15	.01424	.12882	.21966	29.029	313.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.493**	**.23084**	**111.76**	**4.7096**	**.10001**	**2.1092**
Stddev	.080	.00129	.27	.0072	.00033	.0141
%RSD	.21312	.55703	.23786	.15313	.33321	.66668
#1	37.550	.23233	111.52	4.7090	.10016	2.1194
#2	37.526	.23007	112.05	4.7171	.10025	2.0931
#3	37.401	.23013	111.72	4.7027	.09963	2.1150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090707 Acquired: 4/6/2011 20:30:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25390**	**12.039**	**1.6493**	F **85.053**	F **845.51**	F **-122540.**
Stddev	.00054	.004	.0001	2.945	1.39	73.
%RSD	.21307	.03298	.00919	3.4626	.16396	.05970
#1	.25333	12.037	1.6493	88.396	846.31	-122600.
#2	.25396	12.037	1.6494	82.838	843.91	-122460.
#3	.25441	12.044	1.6491	83.927	846.31	-122550.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04636**	**.03875**	**3.7097**	**.19053**	**1.1460**	**.79573**
Stddev	.00120	.00206	.0043	.00031	.0061	.00269
%RSD	2.5857	5.3050	.11642	.16410	.53422	.33768
#1	.04548	.03849	3.7096	.19080	1.1528	.79873
#2	.04588	.03684	3.7054	.19019	1.1441	.79356
#3	.04772	.04092	3.7141	.19060	1.1410	.79489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00909**	**.46131**	**3.1113**	**.07146**
Stddev	.00115	.00205	.0024	.00043
%RSD	12.649	.44482	.07831	.59905
#1	.00930	.46125	3.1110	.07104
#2	.00785	.45930	3.1091	.07143
#3	.01013	.46340	3.1139	.07190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090707 Acquired: 4/6/2011 20:30:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31545.**	**29105.**
Stddev	61.	66.
%RSD	.19380	.22608
#1	31531.	29146.
#2	31612.	29029.
#3	31493.	29140.

Approved: April 07, 2011

Sample Name: L1103090708 Acquired: 4/6/2011 20:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00638**	**77.737**	**.07740**	**.10610**	**1.2107**	**.00468**	**208.44**
Stddev	.00020	.451	.00044	.00070	.0020	.00001	.92
%RSD	3.2077	.57954	.56709	.66284	.16478	.31639	.44070
#1	.00619	77.892	.07731	.10634	1.2128	.00468	208.77
#2	.00660	77.229	.07788	.10666	1.2088	.00469	207.40
#3	.00636	78.089	.07702	.10531	1.2105	.00466	209.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00579**	**.08006**	**.15692**	**1.5198**	**145.81**	**29.654**	**.13631**
Stddev	.00012	.00055	.00018	.0050	.30	.107	.00157
%RSD	2.1425	.69083	.11560	.32601	.20515	.36117	1.1488
#1	.00586	.07983	.15671	1.5144	145.96	29.718	.13513
#2	.00565	.08069	.15703	1.5242	145.46	29.530	.13572
#3	.00586	.07966	.15703	1.5207	146.00	29.714	.13809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**70.922**	**4.0605**	**.01247**	**7.9712**	**.16139**	**10.059**	**.41496**
Stddev	.321	.0116	.00012	.0340	.00055	.015	.00100
%RSD	.45275	.28501	.95664	.42684	.33927	.15202	.24010
#1	70.907	4.0564	.01259	7.9880	.16139	10.046	.41415
#2	70.608	4.0515	.01247	7.9320	.16194	10.076	.41607
#3	71.250	4.0736	.01235	7.9935	.16085	10.054	.41465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090708 Acquired: 4/6/2011 20:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **66.174**	F **469.78**	F **-55423.**	**.00920**	**.00265**	**1.5390**	**.01423**
Stddev	5.397	2.05	107.	.00260	.00174	.0043	.00026
%RSD	8.1551	.43603	.19351	28.207	65.409	.27799	1.8194
#1	66.538	467.43	-55316.	.00781	.00232	1.5379	.01442
#2	71.380	471.15	-55421.	.00760	.00453	1.5437	.01433
#3	60.605	470.77	-55531.	.01220	.00111	1.5354	.01393
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60304**	**.93315**	**.00704**	**.26035**	**1.2654**	**.05223**
Stddev	.00200	.00102	.00075	.00082	.0014	.00028
%RSD	.33154	.10892	10.623	.31686	.10900	.53612
#1	.60402	.93423	.00633	.26116	1.2639	.05255
#2	.60074	.93220	.00696	.26039	1.2657	.05206
#3	.60437	.93303	.00782	.25951	1.2666	.05207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31876.**	**29043.**
Stddev	20.	277.
%RSD	.06216	.95397
#1	31899.	28837.
#2	31861.	29358.
#3	31868.	28934.

Approved: April 07, 2011

Sample Name: L1103090709 Acquired: 4/6/2011 20:37:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**114.43**	**.06156**	**.10872**	**1.8776**	**.00613**	**266.80**
Stddev	.00092	.48	.00192	.00020	.0003	.00001	.84
%RSD	9.0161	.41730	3.1165	.18574	.01543	.09790	.31608
#1	.00954	113.89	.06022	.10850	1.8779	.00613	265.83
#2	.00983	114.76	.06070	.10877	1.8775	.00612	267.19
#3	.01125	114.66	.06376	.10889	1.8773	.00613	267.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00538**	**.11196**	**.22406**	**1.2915**	**208.03**	**39.409**	**.19244**
Stddev	.00003	.00017	.00028	.0037	.33	.112	.00085
%RSD	.64244	.15292	.12665	.28644	.16103	.28497	.44185
#1	.00534	.11197	.22376	1.2873	207.75	39.288	.19321
#2	.00538	.11212	.22433	1.2945	207.93	39.429	.19258
#3	.00541	.11178	.22409	1.2926	208.40	39.510	.19153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.52**	**5.4375**	**.01087**	**6.5200**	**.22018**	**9.6371**	**.27663**
Stddev	.39	.0168	.00027	.0223	.00086	.0103	.00218
%RSD	.37790	.30847	2.4792	.34172	.39265	.10647	.78942
#1	102.09	5.4188	.01097	6.4968	.22104	9.6270	.27898
#2	102.62	5.4426	.01057	6.5412	.22020	9.6367	.27624
#3	102.84	5.4511	.01108	6.5219	.21931	9.6475	.27466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090709 Acquired: 4/6/2011 20:37:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **78.157**	F **374.70**	F **-20974.**	**.00619**	**.00466**	**1.6176**	**.02950**
Stddev	1.864	1.32	3.	.00033	.00196	.0060	.00032
%RSD	2.3849	.35151	.01523	5.2934	41.985	.36933	1.0744
#1	77.571	373.18	-20974.	.00617	.00567	1.6136	.02947
#2	80.244	375.58	-20972.	.00587	.00591	1.6148	.02921
#3	76.657	375.32	-20978.	.00653	.00241	1.6245	.02984
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68818**	**1.4092**	**.00975**	**.37036**	**.91733**	**.06266**
Stddev	.00255	.0028	.00073	.00137	.00161	.00004
%RSD	.36984	.20007	7.5012	.37119	.17545	.06474
#1	.68532	1.4070	.01039	.36962	.91605	.06264
#2	.69019	1.4124	.00992	.37195	.91681	.06271
#3	.68902	1.4082	.00895	.36951	.91914	.06264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31891.**	**29015.**
Stddev	81.	65.
%RSD	.25320	.22429
#1	31930.	29042.
#2	31798.	29062.
#3	31945.	28941.

Approved: April 07, 2011

Sample Name: L1103090710 Acquired: 4/6/2011 20:41:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03252**	**144.23**	**.08216**	**.14099**	**2.2512**	^ *****	**422.97**
Stddev	.00042	.74	.00042	.00423	.0078	-----	3.41
%RSD	1.2982	.51115	.50698	3.0028	.34797	-----	.80673
#1	.03241	143.38	.08226	.13685	2.2443	^ -----	422.89
#2	.03299	144.61	.08171	.14531	2.2496	^ -----	419.59
#3	.03217	144.70	.08253	.14082	2.2597	^ -----	426.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00719**	**.14350**	**.27685**	**2.8711**	**263.70**	**66.623**	**.27141**
Stddev	.00008	.00043	.00116	.0006	7.16	.347	.00154
%RSD	1.0726	.29784	.41776	.01996	2.7153	.52115	.56704
#1	.00710	.14369	.27779	2.8715	255.61	66.237	.27180
#2	.00721	.14380	.27556	2.8705	269.22	66.719	.27272
#3	.00725	.14301	.27721	2.8714	266.26	66.912	.26971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**144.08**	**6.7602**	**.01433**	**2.3117**	**.26337**	**12.617**	**.44395**
Stddev	.70	.0159	.00026	.0166	.00092	.003	.00175
%RSD	.48505	.23456	1.8112	.71774	.34872	.02715	.39459
#1	143.36	6.7427	.01461	2.3029	.26253	12.617	.44343
#2	144.13	6.7645	.01410	2.3014	.26435	12.614	.44590
#3	144.76	6.7735	.01429	2.3309	.26322	12.620	.44252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090710 Acquired: 4/6/2011 20:41:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **101.99**	F **531.90**	F **-18109.**	**.03913**	**.00480**	**1.8308**	**.03331**
Stddev	5.88	.29	9.	.00146	.00171	.0008	.00023
%RSD	5.7617	.05518	.04762	3.7382	35.522	.04493	.68398
#1	104.84	532.23	-18102.	.03963	.00623	1.8299	.03311
#2	105.91	531.67	-18118.	.04027	.00527	1.8315	.03355
#3	95.236	531.80	-18106.	.03748	.00291	1.8309	.03326
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88097**	**4.8912**	**.01855**	**.53838**	**1.5466**	**.06861**
Stddev	.00372	.0124	.00112	.00099	.0004	.00013
%RSD	.42217	.25367	6.0501	.18439	.02845	.18733
#1	.87668	4.8781	.01928	.53953	1.5466	.06857
#2	.88306	4.8928	.01726	.53775	1.5461	.06875
#3	.88318	4.9028	.01911	.53788	1.5470	.06851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31359.**	**29342.**
Stddev	65.	127.
%RSD	.20833	.43234
#1	31283.	29479.
#2	31397.	29320.
#3	31396.	29229.

Approved: April 07, 2011

Sample Name: L1103090711 Acquired: 4/6/2011 20:44:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03021**	**131.70**	**.08113**	**.13714**	**2.0211**	^ *****	**487.03**
Stddev	.00050	.60	.00304	.00140	.0068	-----	3.76
%RSD	1.6655	.45210	3.7470	1.0244	.33691	-----	.77263
#1	.03026	132.33	.08260	.13821	2.0289	^ -----	482.82
#2	.02968	131.62	.08315	.13766	2.0164	^ -----	488.19
#3	.03068	131.15	.07763	.13555	2.0180	^ -----	490.07
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00789**	**.13845**	**.24952**	**1.7497**	**248.46**	**52.353**	**.25988**
Stddev	.00010	.00036	.00109	.0041	3.74	.141	.00034
%RSD	1.2147	.25989	.43687	.23412	1.5038	.26852	.12947
#1	.00800	.13877	.25052	1.7519	251.91	52.515	.26012
#2	.00781	.13853	.24836	1.7522	248.99	52.287	.25950
#3	.00785	.13806	.24967	1.7450	244.49	52.258	.26003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**129.81**	**6.7129**	**.01335**	**2.8920**	**.25977**	**14.233**	**.68090**
Stddev	.25	.0117	.00017	.0030	.00031	.034	.00096
%RSD	.19628	.17425	1.2488	.10405	.11891	.23729	.14035
#1	129.85	6.7043	.01324	2.8912	.25971	14.259	.68009
#2	129.53	6.7083	.01328	2.8954	.25950	14.244	.68067
#3	130.04	6.7262	.01355	2.8895	.26011	14.194	.68195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090711 Acquired: 4/6/2011 20:44:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **96.358**	F **619.91**	F **-18096.**	**.01821**	**.00547**	**1.7854**	**.03306**
Stddev	5.672	1.58	41.	.00164	.00169	.0028	.00028
%RSD	5.8864	.25495	.22789	9.0061	30.950	.15568	.84046
#1	99.610	621.04	-18140.	.01962	.00444	1.7845	.03282
#2	99.656	620.58	-18090.	.01641	.00742	1.7832	.03336
#3	89.809	618.10	-18058.	.01860	.00454	1.7886	.03300
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94550**	**4.5186**	**.01836**	**.51862**	**1.5143**	**.07035**
Stddev	.00192	.0011	.00241	.00370	.0029	.00064
%RSD	.20284	.02369	13.116	.71390	.19439	.90782
#1	.94717	4.5198	.01727	.52271	1.5166	.07104
#2	.94592	4.5180	.02113	.51549	1.5153	.06977
#3	.94340	4.5179	.01670	.51767	1.5110	.07024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31134.**	**29449.**
Stddev	86.	159.
%RSD	.27615	.54061
#1	31059.	29269.
#2	31115.	29511.
#3	31228.	29568.

Approved: April 07, 2011

Sample Name: L1103090712 Acquired: 4/6/2011 20:48:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01949**	**143.43**	**.25774**	**.23395**	**1.3496**	**.00848**
Stddev	.00033	.48	.00126	.00175	.0033	.00004
%RSD	1.7043	.33402	.48954	.75007	.24492	.41515
#1	.01984	143.81	.25755	.23210	1.3482	.00845
#2	.01946	143.60	.25658	.23416	1.3534	.00852
#3	.01918	142.89	.25908	.23559	1.3472	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**530.42**	**.01613**	**.15997**	**.26426**	**50.754**	**303.63**
Stddev	2.03	.00019	.00142	.00083	.265	.73
%RSD	.38223	1.1630	.88978	.31300	.52129	.24011
#1	528.80	.01597	.15835	.26331	50.450	303.22
#2	532.69	.01609	.16101	.26474	50.879	304.47
#3	529.76	.01634	.16055	.26474	50.933	303.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.421**	**.31445**	**123.36**	**5.5496**	**.06377**	**24.794**
Stddev	.072	.00123	.15	.0087	.00031	.084
%RSD	.22914	.38960	.12445	.15626	.49088	.33795
#1	31.429	.31354	123.27	5.5588	.06350	24.875
#2	31.489	.31585	123.54	5.5483	.06369	24.799
#3	31.346	.31398	123.28	5.5416	.06411	24.708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090712 Acquired: 4/6/2011 20:48:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27442**	**12.112**	**.54028**	F **78.378**	F **3136.8**	F **-579050.**
Stddev	.00180	.059	.00178	7.958	30.0	1828.
%RSD	.65709	.48353	.33009	10.153	.95496	.31575
#1	.27234	12.048	.53825	81.710	3105.5	-576970.
#2	.27546	12.164	.54098	84.129	3165.2	-579780.
#3	.27547	12.123	.54160	69.296	3139.7	-580390.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02450**	**.02519**	**2.5776**	**.26831**	**1.8190**	**.85164**
Stddev	.00079	.00192	.0120	.00206	.0060	.00157
%RSD	3.2219	7.6281	.46416	.76737	.32919	.18476
#1	.02527	.02406	2.5648	.26618	1.8249	.85311
#2	.02369	.02411	2.5884	.26846	1.8192	.85184
#3	.02455	.02741	2.5795	.27029	1.8129	.84998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01360**	**.51589**	**1.8851**	**.08258**
Stddev	.00086	.00071	.0083	.00063
%RSD	6.3420	.13690	.44091	.76113
#1	.01320	.51519	1.8755	.08207
#2	.01301	.51660	1.8908	.08238
#3	.01459	.51589	1.8889	.08328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090712 Acquired: 4/6/2011 20:48:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30750.**	**29004.**
Stddev	131.	171.
%RSD	.42630	.58894
#1	30897.	28859.
#2	30645.	28960.
#3	30707.	29192.

Approved: April 07, 2011

Sample Name: L1103090713 Acquired: 4/6/2011 20:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01226**	**121.25**	**.15578**	**.20624**	**1.3231**	**.00693**
Stddev	.00074	.28	.00054	.00135	.0033	.00001
%RSD	5.9995	.23079	.34475	.65291	.24826	.18306
#1	.01193	121.57	.15524	.20728	1.3267	.00693
#2	.01176	121.14	.15632	.20671	1.3220	.00694
#3	.01311	121.04	.15579	.20472	1.3204	.00691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**489.70**	**.00806**	**.12691**	**.20203**	**23.179**	**228.82**
Stddev	8.59	.00005	.00056	.00088	.100	.53
%RSD	1.7540	.61429	.44207	.43476	.43239	.23379
#1	497.86	.00800	.12727	.20226	23.261	229.43
#2	480.73	.00810	.12719	.20106	23.209	228.54
#3	490.50	.00807	.12626	.20278	23.068	228.47
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.991**	**.28012**	**115.52**	**4.8244**	**.04614**	**30.183**
Stddev	.073	.00167	.17	.0064	.00016	.081
%RSD	.24190	.59569	.14365	.13195	.33671	.26952
#1	30.074	.28182	115.56	4.8298	.04597	30.272
#2	29.940	.28007	115.34	4.8174	.04616	30.113
#3	29.960	.27848	115.66	4.8260	.04628	30.163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090713 Acquired: 4/6/2011 20:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21412**	**11.901**	**.39920**	F **71.215**	F **2015.8**	F **-338180.**
Stddev	.00028	.026	.00044	16.001	15.5	947.
%RSD	.12971	.22100	.10991	22.468	.76984	.27995
#1	.21387	11.927	.39957	57.639	2027.7	-338880.
#2	.21407	11.900	.39871	88.856	2021.5	-338560.
#3	.21442	11.875	.39931	67.151	1998.2	-337110.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01489**	**.01467**	**2.9377**	**.11315**	**1.8783**	**.77275**
Stddev	.00029	.00230	.0106	.00072	.0032	.00201
%RSD	1.9662	15.688	.36174	.63772	.16823	.25978
#1	.01504	.01422	2.9478	.11236	1.8819	.77341
#2	.01456	.01716	2.9387	.11378	1.8762	.77050
#3	.01509	.01262	2.9267	.11330	1.8767	.77435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01103**	**.42909**	**.99541**	**.07259**
Stddev	.00173	.00054	.00083	.00029
%RSD	15.682	.12609	.08383	.40530
#1	.01184	.42953	.99628	.07292
#2	.00904	.42849	.99536	.07250
#3	.01220	.42926	.99461	.07236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090713 Acquired: 4/6/2011 20:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30972.**	**28334.**
Stddev	48.	109.
%RSD	.15416	.38424
#1	30919.	28223.
#2	30986.	28441.
#3	31011.	28338.

Approved: April 07, 2011

Sample Name: L1103090714 Acquired: 4/6/2011 20:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01151**	**145.75**	**.12717**	**.19607**	**1.4817**	**.00711**
Stddev	.00048	.67	.00019	.00312	.0022	.00003
%RSD	4.2125	.46130	.15203	1.5897	.15119	.45114
#1	.01099	144.99	.12731	.19619	1.4792	.00714
#2	.01196	145.97	.12695	.19913	1.4835	.00711
#3	.01157	146.28	.12725	.19290	1.4823	.00708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.24**	**.00830**	**.14244**	**.22788**	**11.262**	**271.37**
Stddev	5.29	.00003	.00042	.00089	.026	3.60
%RSD	1.1756	.34873	.29615	.39103	.22946	1.3262
#1	448.55	.00833	.14292	.22891	11.292	270.11
#2	456.17	.00827	.14228	.22733	11.247	275.42
#3	446.00	.00831	.14213	.22741	11.246	268.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**39.206**	**.28267**	**114.92**	**5.5537**	**.02620**	**19.210**
Stddev	.055	.00220	.47	.0141	.00023	.078
%RSD	.14144	.77880	.40817	.25347	.87489	.40590
#1	39.144	.28030	114.51	5.5400	.02647	19.121
#2	39.251	.28308	115.43	5.5681	.02605	19.243
#3	39.222	.28464	114.83	5.5531	.02609	19.266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090714 Acquired: 4/6/2011 20:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22975**	**16.058**	**.40156**	F **81.519**	F **2669.8**	F **-504320.**
Stddev	.00023	.035	.00233	6.667	13.5	742.
%RSD	.10091	.21561	.58087	8.1790	.50567	.14707
#1	.22995	16.098	.40425	81.875	2685.3	-505180.
#2	.22950	16.039	.40007	74.681	2663.2	-503940.
#3	.22980	16.037	.40037	88.002	2660.8	-503850.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01481**	**.00881**	**2.1405**	**.45252**	**1.3481**	**1.2481**
Stddev	.00084	.00183	.0044	.00058	.0056	.0009
%RSD	5.6756	20.804	.20717	.12795	.41584	.07532
#1	.01514	.01089	2.1455	.45198	1.3419	1.2471
#2	.01544	.00811	2.1392	.45313	1.3494	1.2489
#3	.01385	.00744	2.1369	.45245	1.3529	1.2484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01444**	**.50988**	**1.1778**	**.06752**
Stddev	.00031	.00135	.0019	.00013
%RSD	2.1130	.26485	.16306	.18838
#1	.01419	.51047	1.1800	.06762
#2	.01435	.51084	1.1768	.06758
#3	.01478	.50833	1.1766	.06738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090714 Acquired: 4/6/2011 20:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31411.**	**28985.**
Stddev	81.	268.
%RSD	.25835	.92567
#1	31319.	28952.
#2	31471.	28734.
#3	31445.	29268.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:59:12 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43324**	**9.5696**	**.42418**	**.52479**	**.97042**	**.05175**	**9.5804**
Stddev	.00233	.0319	.00269	.00118	.00067	.00013	.0160
%RSD	.53690	.33370	.63323	.22449	.06885	.26055	.16704
#1	.43417	9.5327	.42211	.52541	.97070	.05169	9.5632
#2	.43060	9.5888	.42322	.52552	.96966	.05166	9.5949
#3	.43497	9.5872	.42722	.52343	.97091	.05191	9.5830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05368**	**.21591**	**.51867**	**.53986**	**3.9340**	**49.121**	**.98474**
Stddev	.00025	.00072	.00124	.00207	.0084	.053	.00213
%RSD	.46561	.33335	.23823	.38398	.21415	.10865	.21670
#1	.05342	.21538	.51768	.53848	3.9409	49.072	.98448
#2	.05370	.21563	.51827	.53885	3.9365	49.178	.98699
#3	.05392	.21673	.52005	.54224	3.9246	49.112	.98275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.111**	**.50747**	**.98381**	**48.249**	**.52476**	F **.00035**	**.53698**
Stddev	.013	.00168	.00073	.176	.00023	.00230	.00099
%RSD	.12875	.33067	.07397	.36508	.04309	659.19	.18392
#1	10.107	.50668	.98453	48.058	.52461	.00300	.53751
#2	10.126	.50633	.98308	48.285	.52464	-.00073	.53759
#3	10.101	.50940	.98381	48.404	.52502	-.00122	.53584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 20:59:12 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.500**	**10.907**	F **11.553**	**1.3004**	**.42732**	F **.01841**	**1.0659**
Stddev	9.835	.024	9.220	.0057	.00379	.00089	.0016
%RSD	78.680	.21944	79.809	.44109	.88742	4.8408	.15284
#1	3.3854	10.905	9.8029	1.2962	.42381	.01793	1.0649
#2	11.191	10.884	21.522	1.2981	.42680	.01786	1.0650
#3	22.925	10.932	3.3329	1.3070	.43134	.01944	1.0678
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97493**	**1.0042**	**.54387**	**1.0436**	**1.0298**	F **.00082**
Stddev	.00296	.0003	.00061	.0010	.0020	.00005
%RSD	.30341	.02974	.11174	.09548	.19510	5.7239
#1	.97241	1.0039	.54339	1.0443	1.0301	.00081
#2	.97420	1.0042	.54367	1.0441	1.0276	.00086
#3	.97819	1.0045	.54455	1.0425	1.0316	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32643.**	**27217.**
Stddev	111.	191.
%RSD	.33854	.69991
#1	32686.	27272.
#2	32725.	27006.
#3	32517.	27375.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:02:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.02784**	**-.00015**	**-.00250**	**-.00004**	**.00004**	**-.00538**
Stddev	.00018	.02300	.00015	.00015	.00016	.00001	.00341
%RSD	713.79	82.591	97.111	5.8767	433.59	26.293	63.466
#1	-.00010	-.03077	-.00023	-.00233	.00010	.00003	-.00422
#2	.00018	-.00353	-.00024	-.00261	-.00021	.00003	-.00922
#3	-.00015	-.04924	.00002	-.00255	.00000	.00005	-.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00001**	**-.00007**	**-.00029**	**-.00091**	**.18002**	**.00059**
Stddev	.00007	.00008	.00018	.00040	.00079	.01997	.00117
%RSD	307.88	1164.1	274.89	135.84	86.697	11.092	199.55
#1	-.00004	-.00009	.00014	.00006	-.00005	.20299	-.00069
#2	.00001	.00007	-.00021	-.00072	-.00106	.17033	.00160
#3	.00010	.00001	-.00013	-.00022	-.00161	.16675	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01237**	**-.00040**	**.00010**	**.02786**	**.00023**	**-.00149**	**-.00020**
Stddev	.00518	.00011	.00011	.00100	.00016	.00159	.00064
%RSD	41.845	28.854	114.03	3.5899	67.861	106.84	326.77
#1	.00641	-.00053	.00017	.02897	.00041	-.00233	.00030
#2	.01494	-.00032	-.00003	.02702	.00018	.00035	.00003
#3	.01577	-.00034	.00015	.02760	.00010	-.00247	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:02:35 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **18.590**	F **.03751**	F **-3.3279**	**.00071**	**.00068**	**-.00025**	**-.00019**
Stddev	6.559	.02538	7.0753	.00031	.00031	.00080	.00030
%RSD	35.282	67.662	212.61	43.111	45.614	324.99	156.69
#1	26.137	.06505	-6.7317	.00072	.00088	.00048	-.00050
#2	15.369	.03243	-8.0580	.00101	.00084	-.00110	-.00016
#3	14.265	.01505	4.8061	.00040	.00032	-.00011	.00009
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00036**	**-.00010**	**-.00004**	**-.00008**	**.00003**
Stddev	.00013	.00057	.00084	.00013	.00009	.00004
%RSD	154.78	158.28	843.00	356.66	114.50	117.89
#1	-.00006	-.00021	-.00012	-.00016	-.00009	.00000
#2	.00003	.00093	-.00093	-.00004	-.00017	.00003
#3	-.00022	.00036	.00075	.00010	.00001	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33275.**	**27480.**
Stddev	17.	85.
%RSD	.05137	.30762
#1	33277.	27383.
#2	33291.	27541.
#3	33257.	27515.

Approved: April 07, 2011

Sample Name: L1103090715S Acquired: 4/6/2011 21:06:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21179**	**151.64**	**.32424**	**.21082**	**1.5905**	**.00708**
Stddev	.00234	.80	.00401	.00197	.0062	.00004
%RSD	1.1047	.53007	1.2360	.93485	.38931	.60706
#1	.21145	152.41	.32785	.21289	1.5966	.00708
#2	.21428	150.81	.32494	.21059	1.5842	.00712
#3	.20964	151.70	.31993	.20897	1.5907	.00704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.18**	**.03315**	**.13954**	**.29022**	**11.261**	**284.97**
Stddev	5.99	.00019	.00089	.00188	.062	2.94
%RSD	1.3297	.56057	.63900	.64645	.54848	1.0322
#1	451.15	.03335	.14036	.29074	11.314	287.78
#2	443.77	.03311	.13966	.29178	11.276	285.20
#3	455.63	.03299	.13859	.28814	11.193	281.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**40.466**	**.28326**	**114.04**	**5.7243**	**.02800**	**19.395**
Stddev	.119	.00016	.15	.0058	.00011	.066
%RSD	.29422	.05799	.13480	.10099	.37925	.34091
#1	40.591	.28342	114.15	5.7305	.02801	19.459
#2	40.354	.28326	113.86	5.7231	.02811	19.327
#3	40.455	.28309	114.10	5.7191	.02789	19.397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090715S Acquired: 4/6/2011 21:06:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25430**	**16.570**	**.77665**	F **85.408**	F **2712.6**	F **-506500.**
Stddev	.00155	.073	.00184	6.375	28.1	1891.
%RSD	.60945	.44115	.23731	7.4642	1.0361	.37326
#1	.25608	16.628	.77874	92.072	2735.0	-508100.
#2	.25359	16.593	.77600	84.784	2721.6	-506980.
#3	.25324	16.488	.77523	79.368	2681.0	-504410.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**.01044**	**2.5459**	**.48475**	**1.3657**	**1.4250**
Stddev	.00139	.00276	.0132	.00165	.0047	.0026
%RSD	2.6809	26.422	.52005	.34006	.34548	.18191
#1	.05294	.00955	2.5548	.48327	1.3711	1.4276
#2	.05272	.00823	2.5521	.48652	1.3625	1.4224
#3	.05042	.01353	2.5307	.48445	1.3634	1.4250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01466**	**.54690**	**1.1825**	**.07157**
Stddev	.00093	.00226	.0026	.00055
%RSD	6.3768	.41403	.22040	.76352
#1	.01442	.54600	1.1839	.07205
#2	.01387	.54947	1.1841	.07168
#3	.01569	.54522	1.1795	.07098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090715S Acquired: 4/6/2011 21:06:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30981.**	**28726.**
Stddev	146.	181.
%RSD	.47178	.62896
#1	30856.	28518.
#2	30946.	28818.
#3	31141.	28842.

Approved: April 07, 2011

Sample Name: L1103090716SD Acquired: 4/6/2011 21:09:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21183**	**165.12**	**.33016**	**.21894**	**1.6539**	**.00765**
Stddev	.00054	.63	.00170	.00260	.0045	.00005
%RSD	.25282	.38152	.51384	1.1892	.27331	.70419
#1	.21144	165.08	.33199	.22168	1.6591	.00760
#2	.21161	164.51	.32987	.21650	1.6508	.00770
#3	.21244	165.76	.32863	.21865	1.6519	.00765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**450.55**	**.03353**	**.16107**	**.24450**	**11.778**	**308.73**
Stddev	5.39	.00020	.00039	.00203	.034	3.56
%RSD	1.1964	.59984	.24316	.83041	.28655	1.1546
#1	447.11	.03373	.16113	.24463	11.795	312.85
#2	447.77	.03352	.16144	.24647	11.800	306.66
#3	456.76	.03333	.16066	.24241	11.740	306.68
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**43.873**	**.31659**	**129.55**	**6.2177**	**.02753**	**19.410**
Stddev	.099	.00168	.33	.0105	.00035	.052
%RSD	.22646	.53021	.25624	.16890	1.2789	.26940
#1	43.945	.31467	129.42	6.2179	.02724	19.408
#2	43.760	.31735	129.30	6.2071	.02743	19.360
#3	43.914	.31775	129.93	6.2281	.02792	19.464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090716SD Acquired: 4/6/2011 21:09:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24998**	**16.726**	**.61889**	F **83.734**	F **2818.3**	F **-533440.**
Stddev	.00009	.027	.00185	4.733	18.3	1126.
%RSD	.03500	.16155	.29815	5.6524	.64769	.21115
#1	.24989	16.735	.61801	83.913	2830.1	-533900.
#2	.25006	16.747	.62101	88.374	2827.5	-534270.
#3	.25000	16.696	.61765	78.914	2797.3	-532160.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01569**	**.00796**	**2.2860**	**.44707**	**1.3713**	**1.4529**
Stddev	.00105	.00014	.0066	.00287	.0038	.0031
%RSD	6.7192	1.7165	.28973	.64196	.27723	.21611
#1	.01502	.00796	2.2875	.45020	1.3734	1.4561
#2	.01691	.00782	2.2918	.44646	1.3669	1.4498
#3	.01515	.00809	2.2788	.44455	1.3735	1.4529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01616**	**.59007**	**1.2657**	**.07469**
Stddev	.00157	.00105	.0005	.00048
%RSD	9.7355	.17776	.04207	.64698
#1	.01509	.58961	1.2655	.07486
#2	.01542	.59127	1.2663	.07506
#3	.01796	.58932	1.2653	.07414
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090716SD Acquired: 4/6/2011 21:09:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360470-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31090.**	**29097.**
Stddev	79.	37.
%RSD	.25356	.12745
#1	31089.	29139.
#2	31012.	29084.
#3	31170.	29069.

Approved: April 07, 2011

Sample Name: L1103090717 Acquired: 4/6/2011 21:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**136.30**	**.13541**	**.17915**	**1.3071**	**.00720**
Stddev	.00010	1.85	.00157	.00143	.0100	.00005
%RSD	.92605	1.3575	1.1596	.79625	.76173	.67953
#1	.01139	138.24	.13401	.17799	1.3179	.00725
#2	.01120	134.55	.13510	.17872	1.2983	.00717
#3	.01121	136.10	.13711	.18074	1.3050	.00717
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**311.30**	**.00889**	**.13960**	**.23579**	**15.825**	**272.24**
Stddev	2.04	.00008	.00019	.00077	.012	1.83
%RSD	.65548	.87900	.13935	.32546	.07772	.67266
#1	311.79	.00897	.13979	.23530	15.814	270.50
#2	313.05	.00882	.13940	.23538	15.825	272.07
#3	309.06	.00886	.13961	.23667	15.838	274.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.332**	**.26422**	**108.93**	**5.4330**	**.03587**	**19.049**
Stddev	.302	.00144	.69	.0232	.00023	.191
%RSD	.88033	.54612	.63072	.42662	.64965	1.0022
#1	34.637	.26419	109.70	5.4574	.03597	19.256
#2	34.033	.26279	108.39	5.4113	.03561	18.879
#3	34.325	.26567	108.68	5.4302	.03605	19.011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090717 Acquired: 4/6/2011 21:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23759**	**16.929**	**1.1112**	F **82.181**	F **2387.5**	F **-477320.**
Stddev	.00093	.007	.0016	4.616	2.7	33.
%RSD	.39286	.04365	.14162	5.6174	.11131	.00701
#1	.23656	16.930	1.1115	81.189	2385.4	-477290.
#2	.23837	16.921	1.1095	87.213	2386.5	-477310.
#3	.23785	16.935	1.1126	78.142	2390.5	-477350.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01753**	**.01334**	**2.9648**	**.53103**	**1.0398**	**.91121**
Stddev	.00164	.00160	.0033	.00258	.0100	.00358
%RSD	9.3746	12.026	.10987	.48504	.95811	.39257
#1	.01679	.01384	2.9674	.53134	1.0505	.91527
#2	.01638	.01463	2.9611	.52831	1.0307	.90851
#3	.01941	.01154	2.9658	.53343	1.0382	.90985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01295**	**.47828**	**1.3305**	**.05975**
Stddev	.00198	.00170	.0026	.00022
%RSD	15.304	.35599	.19480	.37228
#1	.01515	.48024	1.3281	.05951
#2	.01130	.47745	1.3302	.05980
#3	.01241	.47715	1.3333	.05995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090717 Acquired: 4/6/2011 21:13:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31691.**	**29178.**
Stddev	34.	354.
%RSD	.10767	1.2128
#1	31707.	28770.
#2	31714.	29399.
#3	31651.	29366.

Approved: April 07, 2011

Sample Name: L1103090718 Acquired: 4/6/2011 21:17:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01501**	**170.66**	**.15444**	**.21532**	**1.5734**	**.00758**
Stddev	.00056	.66	.00110	.00159	.0022	.00002
%RSD	3.7011	.38473	.71085	.73937	.14307	.32276
#1	.01540	170.50	.15329	.21707	1.5751	.00761
#2	.01438	170.09	.15547	.21493	1.5708	.00757
#3	.01527	171.38	.15456	.21396	1.5742	.00756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**355.52**	**.01025**	**.17173**	**.27594**	**17.295**	**319.86**
Stddev	1.88	.00002	.00073	.00152	.106	2.40
%RSD	.52827	.16128	.42278	.55152	.61479	.74936
#1	355.89	.01025	.17192	.27675	17.348	322.39
#2	353.48	.01024	.17235	.27689	17.365	317.62
#3	357.19	.01027	.17093	.27418	17.173	319.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**41.628**	**.32401**	**130.84**	**6.5142**	**.03517**	**23.320**
Stddev	.098	.00193	.40	.0189	.00029	.076
%RSD	.23632	.59435	.30497	.29002	.81569	.32541
#1	41.562	.32623	130.73	6.5088	.03512	23.287
#2	41.582	.32286	130.51	6.4986	.03547	23.267
#3	41.741	.32292	131.28	6.5352	.03491	23.407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090718 Acquired: 4/6/2011 21:17:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27557**	**18.279**	**.75389**	F **92.641**	F **3018.2**	F **-612410.**
Stddev	.00077	.074	.00142	2.371	25.7	840.
%RSD	.27964	.40597	.18769	2.5590	.85069	.13716
#1	.27575	18.307	.75234	94.604	3026.2	-612610.
#2	.27624	18.335	.75511	90.007	3039.0	-613120.
#3	.27473	18.195	.75423	93.312	2989.5	-611480.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01751**	**.00982**	**2.2137**	**.59915**	**1.1495**	**1.4963**
Stddev	.00041	.00240	.0057	.00174	.0038	.0021
%RSD	2.3593	24.425	.25748	.29064	.33092	.13829
#1	.01716	.01161	2.2153	.59783	1.1483	1.4960
#2	.01740	.01076	2.2184	.59850	1.1464	1.4944
#3	.01797	.00710	2.2074	.60113	1.1537	1.4985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01536**	**.57660**	**1.4872**	**.06833**
Stddev	.00073	.00106	.0025	.00006
%RSD	4.7202	.18466	.17052	.08556
#1	.01486	.57764	1.4886	.06835
#2	.01503	.57665	1.4887	.06838
#3	.01619	.57551	1.4843	.06827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090718 Acquired: 4/6/2011 21:17:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31552.**	**29456.**
Stddev	107.	102.
%RSD	.33826	.34774
#1	31483.	29338.
#2	31499.	29516.
#3	31675.	29514.

Approved: April 07, 2011

Sample Name: L1103090719 Acquired: 4/6/2011 21:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06661**	**297.52**	**.58086**	**.48451**	**1.4046**	**.02172**
Stddev	.00009	2.32	.00248	.00977	.0089	.00010
%RSD	.14152	.78066	.42745	2.0170	.63132	.47943
#1	.06670	296.66	.58174	.49280	1.4037	.02161
#2	.06651	300.14	.58278	.48701	1.4138	.02182
#3	.06661	295.74	.57805	.47373	1.3962	.02172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**666.08**	**.03626**	**.28886**	**.31184**	F **192.11**	**802.81**
Stddev	7.03	.00018	.00061	.00097	.97	17.78
%RSD	1.0561	.50675	.20970	.31194	.50575	2.2150
#1	665.77	.03637	.28947	.31081	191.81	816.50
#2	673.26	.03635	.28884	.31275	193.20	809.23
#3	659.20	.03604	.28826	.31195	191.32	782.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					180.00	
Low Limit					-.00500	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.660**	**.74809**	**95.128**	**8.9237**	**.27048**	**8.0082**
Stddev	.135	.00233	.290	.0179	.00036	.0443
%RSD	.50717	.31167	.30504	.20046	.13146	.55325
#1	26.652	.74615	95.098	8.9113	.27088	7.9764
#2	26.799	.75068	95.431	8.9442	.27022	8.0588
#3	26.529	.74744	94.853	8.9155	.27034	7.9894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090719 Acquired: 4/6/2011 21:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40957**	**22.155**	**1.4503**	F **105.58**	F **8931.2**	F **-1954e3**
Stddev	.00102	.022	.0026	5.55	25.8	2778.
%RSD	.24969	.09991	.17903	5.2550	.28901	.14218
#1	.40917	22.161	1.4532	102.37	8943.8	-1956e3
#2	.40880	22.173	1.4494	111.99	8948.4	-1955e3
#3	.41073	22.130	1.4482	102.39	8901.6	-1951e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08886**	**.11679**	**7.3592**	**1.6728**	**1.5544**	**.49148**
Stddev	.00342	.00431	.0088	.0020	.0076	.00217
%RSD	3.8472	3.6918	.11978	.12100	.49115	.44098
#1	.08829	.11682	7.3595	1.6737	1.5501	.48946
#2	.08577	.11247	7.3679	1.6742	1.5633	.49377
#3	.09253	.12109	7.3502	1.6705	1.5500	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02813**	**1.1148**	**7.2535**	**.10754**
Stddev	.00099	.0025	.0090	.00025
%RSD	3.5160	.22529	.12463	.23436
#1	.02921	1.1127	7.2547	.10762
#2	.02789	1.1176	7.2619	.10774
#3	.02728	1.1139	7.2440	.10725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090719 Acquired: 4/6/2011 21:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31388.**	**31382.**
Stddev	47.	196.
%RSD	.14897	.62324
#1	31421.	31208.
#2	31335.	31344.
#3	31409.	31593.

Approved: April 07, 2011

Sample Name: L1103090720 Acquired: 4/6/2011 21:24:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02034**	**304.75**	**.27070**	**.58794**	**1.0998**	**.02015**
Stddev	.00037	3.65	.00094	.00156	.0065	.00002
%RSD	1.8098	1.1982	.34819	.26469	.58905	.07881
#1	.02007	304.23	.27176	.58622	1.1007	.02015
#2	.02018	301.38	.27037	.58835	1.0930	.02017
#3	.02076	308.63	.26996	.58924	1.1058	.02014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**889.48**	**.02793**	**.27735**	**.25682**	**53.509**	F **991.28**
Stddev	11.22	.00012	.00111	.00087	.428	1.49
%RSD	1.2614	.43149	.40179	.33751	.79963	.15036
#1	877.73	.02784	.27733	.25749	53.138	990.19
#2	900.08	.02806	.27848	.25713	53.977	990.68
#3	890.63	.02787	.27625	.25584	53.410	992.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.176**	**.67199**	**82.095**	**10.612**	**.22348**	**5.5427**
Stddev	.106	.00296	.486	.038	.00050	.0397
%RSD	.50185	.44102	.59216	.36149	.22347	.71560
#1	21.145	.67080	81.745	10.584	.22405	5.5373
#2	21.089	.66981	81.890	10.597	.22331	5.5060
#3	21.295	.67537	82.650	10.656	.22309	5.5848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090720 Acquired: 4/6/2011 21:24:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26615**	**19.163**	**1.1768**	F **95.861**	F **17697.**	F **-4268e3**
Stddev	.00064	.043	.0025	7.500	111.	7831.
%RSD	.24202	.22657	.20905	7.8240	.62546	.18349
#1	.26689	19.167	1.1793	97.158	17573.	-4261e3
#2	.26570	19.204	1.1743	102.63	17787.	-4266e3
#3	.26586	19.118	1.1769	87.797	17729.	-4277e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06288**	**.03915**	**7.3899**	**1.2366**	**1.6469**	**.41684**
Stddev	.00168	.00142	.0105	.0023	.0130	.00105
%RSD	2.6692	3.6188	.14164	.18581	.78793	.25187
#1	.06416	.03808	7.3813	1.2362	1.6468	.41577
#2	.06350	.04076	7.4016	1.2391	1.6340	.41688
#3	.06098	.03862	7.3870	1.2345	1.6599	.41787
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.03334**	**1.1894**	**8.0375**	**.06671**
Stddev	.00235	.0035	.0176	.00002
%RSD	7.0406	.29700	.21907	.02710
#1	.03597	1.1873	8.0502	.06670
#2	.03145	1.1875	8.0449	.06670
#3	.03260	1.1935	8.0174	.06673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090720 Acquired: 4/6/2011 21:24:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30014.**	**29628.**
Stddev	28.	135.
%RSD	.09327	.45404
#1	30047.	29691.
#2	29996.	29720.
#3	30001.	29474.

Approved: April 07, 2011

Sample Name: L1103090721 Acquired: 4/6/2011 21:28:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02126**	**252.66**	**.52982**	**.55008**	**1.4657**	**.01837**
Stddev	.00052	.24	.00187	.00699	.0009	.00009
%RSD	2.4289	.09463	.35281	1.2713	.06191	.50070
#1	.02175	252.46	.53068	.54214	1.4667	.01830
#2	.02072	252.59	.53110	.55280	1.4649	.01848
#3	.02129	252.92	.52767	.55530	1.4654	.01834
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**564.38**	**.02856**	**.29414**	**.38094**	**89.641**	**790.46**
Stddev	10.87	.00015	.00021	.00278	.307	11.28
%RSD	1.9257	.53786	.07149	.73059	.34294	1.4269
#1	554.21	.02862	.29397	.37951	89.988	777.54
#2	563.09	.02868	.29408	.38415	89.533	795.49
#3	575.83	.02839	.29438	.37917	89.403	798.35
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.073**	**.66764**	**114.85**	**8.6851**	**.22620**	**16.303**
Stddev	.041	.00193	.13	.0102	.00031	.018
%RSD	.21286	.28914	.11730	.11743	.13800	.10848
#1	19.027	.66974	114.70	8.6759	.22656	16.287
#2	19.088	.66723	114.92	8.6961	.22597	16.322
#3	19.103	.66595	114.94	8.6832	.22607	16.301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090721 Acquired: 4/6/2011 21:28:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44203**	**20.454**	**2.8701**	F **92.752**	F **5907.9**	F **-1249e3**
Stddev	.00087	.018	.0045	6.393	6.8	1286.
%RSD	.19611	.08975	.15778	6.8931	.11455	.10302
#1	.44255	20.463	2.8650	100.07	5915.0	-1249e3
#2	.44103	20.467	2.8714	89.974	5907.1	-1249e3
#3	.44250	20.433	2.8738	88.218	5901.5	-1247e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14457**	**.06157**	**5.6156**	**2.3859**	**1.5305**	**.81833**
Stddev	.00187	.00149	.0040	.0026	.0003	.00185
%RSD	1.2932	2.4278	.07094	.10897	.01880	.22578
#1	.14652	.06064	5.6202	2.3845	1.5304	.81661
#2	.14279	.06077	5.6133	2.3889	1.5302	.82028
#3	.14440	.06329	5.6133	2.3844	1.5308	.81808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02711**	**1.0866**	**5.5223**	**.09950**
Stddev	.00073	.0019	.0093	.00063
%RSD	2.6879	.17781	.16815	.63164
#1	.02792	1.0844	5.5143	.09881
#2	.02651	1.0874	5.5325	.10004
#3	.02689	1.0880	5.5202	.09966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090721 Acquired: 4/6/2011 21:28:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31694.**	**30965.**
Stddev	32.	102.
%RSD	.09970	.32875
#1	31719.	31061.
#2	31658.	30858.
#3	31704.	30976.

Approved: April 07, 2011

Sample Name: L1103085944 Acquired: 4/6/2011 21:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**56.032**	**.07980**	**.06004**	**.68545**	**.00497**	F **911.26**
Stddev	.00030	.310	.00082	.00033	.00211	.00002	10.72
%RSD	12.611	.55375	1.0267	.54450	.30738	.30559	1.1768
#1	.00240	55.677	.08008	.06037	.68366	.00495	904.98
#2	.00204	56.250	.08045	.06003	.68777	.00497	923.64
#3	.00263	56.170	.07888	.05972	.68492	.00498	905.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.03880**	**.08659**	**.51261**	**89.021**	**12.220**	**.11665**
Stddev	.00008	.00003	.00048	.00626	.335	.044	.00054
%RSD	1.1572	.07100	.55651	1.2210	.37673	.36079	.45966
#1	.00706	.03878	.08708	.50799	88.812	12.169	.11607
#2	.00692	.03880	.08612	.51974	89.408	12.238	.11675
#3	.00706	.03883	.08658	.51011	88.843	12.251	.11712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.973**	**5.0354**	**.00507**	**.25636**	**.08070**	**3.5911**	**.37568**
Stddev	.054	.0091	.00009	.00426	.00067	.0288	.00383
%RSD	.18652	.18147	1.8061	1.6612	.83235	.80206	1.0194
#1	29.027	5.0267	.00498	.25199	.08026	3.5858	.37606
#2	28.918	5.0345	.00516	.26050	.08038	3.5654	.37167
#3	28.974	5.0449	.00507	.25659	.08148	3.6222	.37930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085944 Acquired: 4/6/2011 21:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **72.585**	F **1153.3**	F **-24883.**	**.01006**	**.00736**	**1.4554**	**.00665**
Stddev	12.251	3.0	108.	.00041	.00059	.0120	.00023
%RSD	16.877	.25932	.43250	4.0668	8.0716	.82436	3.4871
#1	58.983	1152.0	-24764.	.01001	.00730	1.4541	.00664
#2	76.022	1151.1	-24910.	.01049	.00797	1.4441	.00690
#3	82.750	1156.7	-24974.	.00968	.00679	1.4680	.00643
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28041**	**.15951**	**.00317**	**.14460**	**.50015**	**.02247**
Stddev	.00184	.00062	.00045	.00065	.00087	.00025
%RSD	.65625	.38701	14.270	.45227	.17304	1.0904
#1	.27892	.15910	.00370	.14450	.50018	.02250
#2	.27985	.15921	.00290	.14400	.49927	.02221
#3	.28247	.16022	.00292	.14530	.50100	.02270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31580.**	**28377.**
Stddev	109.	84.
%RSD	.34635	.29626
#1	31539.	28280.
#2	31704.	28429.
#3	31497.	28423.

Approved: April 07, 2011

Sample Name: L1103085944S Acquired: 4/6/2011 21:35:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10283**	**52.554**	**.17488**	**.05797**	**.66174**	**.00479**	**886.67**
Stddev	.00075	.094	.00153	.00067	.00155	.00001	9.51
%RSD	.72955	.17814	.87662	1.1636	.23488	.12932	1.0726
#1	.10297	52.661	.17660	.05759	.66353	.00478	896.65
#2	.10349	52.489	.17366	.05874	.66093	.00479	885.63
#3	.10202	52.512	.17438	.05756	.66075	.00479	877.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01900**	**.03822**	**.08343**	**.61373**	**82.634**	**11.678**	**.11192**
Stddev	.00010	.00030	.00034	.00305	.249	.048	.00133
%RSD	.54296	.79288	.40299	.49699	.30179	.40765	1.1888
#1	.01905	.03851	.08347	.61569	82.596	11.697	.11071
#2	.01907	.03824	.08307	.61528	82.900	11.714	.11170
#3	.01888	.03791	.08374	.61021	82.405	11.624	.11334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.058**	**4.5662**	**.00397**	**.24592**	**.07785**	**3.5725**	**.47023**
Stddev	.026	.0063	.00012	.00368	.00064	.0357	.00412
%RSD	.09790	.13702	3.0114	1.4955	.81989	.99954	.87544
#1	27.029	4.5593	.00404	.24236	.07825	3.5882	.47165
#2	27.061	4.5678	.00383	.24971	.07820	3.5978	.47344
#3	27.082	4.5716	.00404	.24569	.07712	3.5317	.46558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085944S Acquired: 4/6/2011 21:35:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **64.410**	F **1127.9**	F **-24129.**	**.01128**	**.00424**	**1.6990**	**.00650**
Stddev	5.783	4.6	263.	.00059	.00067	.0229	.00030
%RSD	8.9781	.41094	1.0910	5.2490	15.886	1.3472	4.5778
#1	65.560	1130.7	-24253.	.01150	.00423	1.7072	.00663
#2	69.531	1130.4	-24308.	.01061	.00357	1.7167	.00672
#3	58.139	1122.5	-23827.	.01174	.00492	1.6732	.00616
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26694**	**.17011**	**.00381**	**.14006**	**.45978**	**.02174**
Stddev	.00092	.00141	.00122	.00010	.00188	.00011
%RSD	.34559	.83080	31.915	.07463	.40870	.52557
#1	.26611	.16849	.00448	.14004	.46095	.02186
#2	.26678	.17073	.00241	.14017	.46078	.02173
#3	.26793	.17111	.00455	.13996	.45762	.02164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31285.**	**28791.**
Stddev	87.	96.
%RSD	.27889	.33467
#1	31194.	28681.
#2	31291.	28832.
#3	31368.	28860.

Approved: April 07, 2011

Sample Name: L1103085944SD Acquired: 4/6/2011 21:39:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12234**	**55.469**	**.18040**	**.05832**	**.66244**	**.00498**	**869.31**
Stddev	.00032	.297	.00203	.00129	.00276	.00002	13.95
%RSD	.25751	.53632	1.1227	2.2050	.41736	.44555	1.6044
#1	.12266	55.654	.18229	.05970	.66057	.00500	881.77
#2	.12203	55.126	.17826	.05716	.66113	.00498	854.24
#3	.12234	55.627	.18066	.05809	.66562	.00495	871.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**.03898**	**.09367**	**.63823**	**86.747**	**12.237**	**.11594**
Stddev	.00010	.00020	.00022	.00134	.439	.043	.00110
%RSD	.49317	.50623	.23731	.20938	.50585	.35122	.94637
#1	.01956	.03882	.09389	.63764	86.402	12.219	.11476
#2	.01951	.03920	.09345	.63730	86.597	12.206	.11611
#3	.01969	.03892	.09367	.63976	87.241	12.286	.11694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.968**	**4.5640**	**.00464**	**.25115**	**.08266**	**3.6920**	**.49008**
Stddev	.131	.0135	.00012	.00349	.00068	.0119	.00204
%RSD	.46888	.29638	2.6451	1.3916	.82424	.32118	.41540
#1	27.922	4.5625	.00454	.25480	.08188	3.6984	.49204
#2	27.867	4.5513	.00478	.24783	.08313	3.6993	.49023
#3	28.116	4.5782	.00460	.25083	.08297	3.6783	.48797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103085944SD Acquired: 4/6/2011 21:39:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment: WG360411-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **75.932**	F **1152.8**	F **-24187.**	**.01214**	**.00791**	**1.4283**	**.00737**
Stddev	2.774	3.0	94.	.00060	.00166	.0063	.00027
%RSD	3.6533	.26301	.38685	4.9037	20.955	.44151	3.6018
#1	76.271	1150.1	-24255.	.01244	.00940	1.4351	.00743
#2	78.522	1152.3	-24225.	.01146	.00613	1.4274	.00759
#3	73.005	1156.1	-24080.	.01253	.00819	1.4226	.00707
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27078**	**.19203**	**.00340**	**.15192**	**.48195**	**.02276**
Stddev	.00041	.00128	.00102	.00032	.00125	.00014
%RSD	.15259	.66559	29.849	.21169	.25885	.62892
#1	.27121	.19320	.00389	.15200	.48061	.02289
#2	.27038	.19067	.00223	.15157	.48216	.02279
#3	.27075	.19223	.00408	.15220	.48308	.02260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31072.**	**29136.**
Stddev	70.	181.
%RSD	.22660	.62075
#1	31114.	29141.
#2	31110.	29314.
#3	30990.	28952.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 21:43:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43131**	**9.4560**	**.42212**	**.52229**	**.96310**	**.05122**	**9.5039**
Stddev	.00405	.0462	.00306	.00137	.00509	.00022	.0541
%RSD	.94002	.48863	.72603	.26195	.52832	.43060	.56953
#1	.43405	9.4298	.41880	.52279	.96776	.05146	9.5069
#2	.43323	9.5093	.42272	.52333	.96389	.05118	9.5564
#3	.42665	9.4288	.42484	.52074	.95767	.05102	9.4483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05344**	**.21418**	**.51373**	**.53584**	**3.8708**	**48.459**	**.98010**
Stddev	.00004	.00029	.00159	.00044	.0160	.192	.00372
%RSD	.06755	.13632	.30929	.08193	.41336	.39609	.37938
#1	.05344	.21392	.51554	.53567	3.8846	48.498	.98298
#2	.05347	.21449	.51308	.53634	3.8745	48.629	.98141
#3	.05340	.21414	.51256	.53551	3.8532	48.251	.97590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8726**	**.50259**	**.98923**	**47.848**	**.52387**	F **-.00003**	**.53645**
Stddev	.0280	.00231	.00271	.309	.00074	.00051	.00297
%RSD	.28389	.45894	.27446	.64635	.14162	1705.3	.55434
#1	9.8496	.50181	.98698	47.740	.52317	-.00061	.53304
#2	9.9038	.50519	.98845	48.196	.52465	.00034	.53779
#3	9.8644	.50078	.99225	47.606	.52379	.00018	.53852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 21:43:01 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **35.714**	**10.814**	F **5.4008**	**1.3021**	**.42777**	F **.01651**	**1.0608**
Stddev	14.465	.058	11.688	.0041	.00176	.00093	.0010
%RSD	40.502	.53439	216.41	.31792	.41088	5.6526	.08940
#1	48.228	10.750	13.340	1.2997	.42907	.01685	1.0601
#2	39.037	10.863	-8.0206	1.2997	.42848	.01722	1.0604
#3	19.877	10.828	10.883	1.3069	.42577	.01545	1.0619
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97027**	**.99734**	**.54406**	**1.0396**	**1.0250**	F **.00068**
Stddev	.00614	.00389	.00211	.0047	.0009	.00017
%RSD	.63328	.39052	.38828	.45641	.09145	24.762
#1	.96934	.99914	.54598	1.0417	1.0242	.00075
#2	.97683	1.0000	.54180	1.0429	1.0248	.00049
#3	.96464	.99287	.54439	1.0342	1.0260	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32626.**	**27886.**
Stddev	37.	247.
%RSD	.11262	.88540
#1	32589.	28161.
#2	32626.	27684.
#3	32662.	27812.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:46:23 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.02913**	**-.00027**	**-.00274**	**-.00035**	**.00003**	**.00136**
Stddev	.00056	.00808	.00133	.00061	.00009	.00001	.00093
%RSD	108.65	27.752	486.40	22.280	25.881	28.470	67.968
#1	.00048	-.03831	-.00112	-.00308	-.00037	.00002	.00184
#2	.00109	-.02311	.00126	-.00204	-.00043	.00003	.00195
#3	-.00002	-.02596	-.00096	-.00310	-.00025	.00004	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00001**	**-.00025**	**-.00049**	**-.00025**	**.15942**	**.00015**
Stddev	.00008	.00007	.00032	.00040	.00173	.01165	.00113
%RSD	1617.7	580.14	126.81	81.179	686.44	7.3104	754.07
#1	-.00003	-.00002	.00009	-.00093	.00160	.17281	-.00088
#2	.00009	.00006	-.00031	-.00016	-.00053	.15383	.00137
#3	-.00005	-.00008	-.00053	-.00037	-.00182	.15161	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**-.00027**	**.00011**	**.03311**	**-.00008**	**-.00326**	**.00021**
Stddev	.00888	.00015	.00008	.00559	.00021	.00088	.00096
%RSD	87.629	57.870	69.047	16.884	269.10	27.088	451.68
#1	.01970	-.00009	.00017	.03415	.00016	-.00312	.00120
#2	.00853	-.00038	.00002	.03810	-.00023	-.00421	-.00071
#3	.00216	-.00033	.00013	.02707	-.00017	-.00246	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 21:46:23 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **28.638**	F **.05883**	F **-6.8737**	**.00101**	**.00120**	**-.00083**	**-.00026**
Stddev	10.201	.02611	2.5565	.00135	.00147	.00072	.00027
%RSD	35.619	44.386	37.192	133.66	122.95	85.955	102.22
#1	36.940	.08873	-6.9656	.00257	.00285	-.00018	-.00010
#2	31.723	.04725	-4.2724	.00026	.00002	-.00072	-.00012
#3	17.251	.04051	-9.3829	.00020	.00073	-.00160	-.00057
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00016**	**.00051**	**-.00003**	**-.00021**	**-.00002**
Stddev	.00003	.00035	.00039	.00013	.00009	.00010
%RSD	444.61	218.78	76.283	382.29	40.951	425.19
#1	-.00002	-.00004	.00036	.00012	-.00017	.00003
#2	-.00002	.00056	.00095	-.00012	-.00015	-.00015
#3	.00002	-.00005	.00022	-.00010	-.00031	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33426.**	**27560.**
Stddev	33.	109.
%RSD	.09883	.39724
#1	33403.	27444.
#2	33412.	27661.
#3	33464.	27574.

Approved: April 07, 2011

Sample Name: PBS 95 Acquired: 4/6/2011 21:50:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.02468**	**-.00167**	**-.00284**	**.00022**	**.00004**	**.04176**
Stddev	.00033	.01226	.00058	.00020	.00007	.00001	.00515
%RSD	228.79	49.691	34.729	7.1077	32.971	18.980	12.339
#1	-.00036	-.01366	-.00182	-.00281	.00030	.00004	.04632
#2	-.00032	-.03789	-.00103	-.00265	.00019	.00005	.03617
#3	.00024	-.02248	-.00216	-.00305	.00017	.00003	.04278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00044**	**.00053**	**-.00009**	**.02381**	**.57890**	**.00013**
Stddev	.00003	.00016	.00019	.00012	.00026	.01444	.00081
%RSD	11.953	35.822	35.992	140.01	1.0946	2.4938	608.23
#1	.00021	-.00047	.00040	-.00014	.02357	.57337	.00072
#2	.00026	-.00058	.00044	-.00017	.02377	.59528	.00047
#3	.00021	-.00027	.00075	.00005	.02409	.56804	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00641**	**.00021**	**.00029**	**.07629**	**.00067**	F **-.01147**	**-.00043**
Stddev	.00395	.00011	.00006	.00246	.00029	.00302	.00050
%RSD	61.600	51.111	20.731	3.2260	43.244	26.310	117.64
#1	.00338	.00025	.00022	.07912	.00062	-.01355	-.00082
#2	.01088	.00029	.00033	.07510	.00098	-.01286	-.00060
#3	.00497	.00009	.00031	.07466	.00040	-.00801	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS 95 Acquired: 4/6/2011 21:50:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **41.621**	F **9.6525**	F **-2192.5**	**.00213**	**.00183**	**.00830**	**.00065**
Stddev	4.005	.0631	13.3	.00087	.00083	.00069	.00021
%RSD	9.6215	.65359	.60454	41.126	45.358	8.3612	32.996
#1	41.527	9.5903	-2190.8	.00120	.00087	.00776	.00063
#2	45.672	9.7165	-2206.6	.00225	.00226	.00806	.00087
#3	37.665	9.6506	-2180.2	.00293	.00235	.00908	.00044
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00107**	**-.00161**	**-.00029**	**.00187**	**-.00002**
Stddev	.00002	.00051	.00067	.00011	.00002	.00002
%RSD	164.49	47.828	41.270	36.902	1.0517	119.90
#1	-.00001	.00088	-.00134	-.00019	.00188	.00000
#2	.00004	.00068	-.00237	-.00027	.00184	-.00005
#3	.00002	.00165	-.00113	-.00041	.00188	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33032.**	**27568.**
Stddev	37.	62.
%RSD	.11121	.22629
#1	33003.	27533.
#2	33020.	27640.
#3	33073.	27530.

Approved: April 07, 2011

Sample Name: LCSS 95 Acquired: 4/6/2011 21:53:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20205**	**-.01181**	**.19926**	**-.00283**	**.00060**	**.00007**	**.03401**
Stddev	.00200	.00362	.00059	.00002	.00014	.00001	.00311
%RSD	.99040	30.687	.29468	.87856	22.925	18.829	9.1445
#1	.20189	-.00960	.19952	-.00284	.00062	.00008	.03443
#2	.20013	-.00984	.19967	-.00280	.00072	.00006	.03689
#3	.20412	-.01599	.19859	-.00285	.00045	.00007	.03071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02546**	**-.00026**	**.00061**	**.26719**	**.01415**	**.11497**	**.00070**
Stddev	.00008	.00014	.00034	.00085	.00226	.01537	.00063
%RSD	.29926	52.997	56.164	.31867	15.951	13.372	90.857
#1	.02555	-.00011	.00100	.26816	.01367	.10280	.00075
#2	.02540	-.00037	.00046	.26680	.01660	.10986	.00004
#3	.02543	-.00030	.00036	.26660	.01217	.13225	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.26202**	**.00006**	**.07021**	**.00063**	F **-.01089**	**.27008**
Stddev	.00315	.00133	.00008	.00737	.00017	.00103	.00214
%RSD	74.191	.50690	128.16	10.491	26.795	9.5017	.79181
#1	.00200	.26155	.00014	.07701	.00053	-.00983	.27255
#2	.00784	.26352	.00007	.07124	.00082	-.01190	.26875
#3	.00289	.26099	-.00002	.06239	.00052	-.01094	.26894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS 95 Acquired: 4/6/2011 21:53:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **37.425**	**.17011**	F **-30.709**	**.00204**	**.00139**	**.00876**	**.00031**
Stddev	10.018	.01080	5.358	.00105	.00272	.00071	.00031
%RSD	26.767	6.3475	17.449	51.476	195.76	8.0499	99.208
#1	48.904	.15956	-36.752	.00228	-.00078	.00874	.00026
#2	30.451	.18114	-28.837	.00089	.00051	.00948	.00003
#3	32.920	.16962	-26.537	.00296	.00444	.00807	.00065
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00138**	**-.00169**	**-.00021**	**.00306**	**-.00003**
Stddev	.00004	.00045	.00110	.00010	.00001	.00000
%RSD	56.756	32.637	65.150	50.378	.48275	15.056
#1	-.00008	.00102	-.00244	-.00033	.00305	-.00003
#2	-.00003	.00124	-.00220	-.00014	.00308	-.00004
#3	-.00011	.00189	-.00043	-.00015	.00307	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32792.**	**27584.**
Stddev	72.	173.
%RSD	.21986	.62541
#1	32721.	27783.
#2	32865.	27467.
#3	32791.	27503.

Approved: April 07, 2011

Sample Name: L1103090722 Acquired: 4/6/2011 21:57:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**216.94**	**.49204**	**.45089**	**1.1109**	**.01697**
Stddev	.00082	1.04	.00172	.00706	.0043	.00004
%RSD	5.0577	.47973	.34982	1.5656	.39160	.22473
#1	.01563	216.71	.49207	.44604	1.1159	.01696
#2	.01571	218.08	.49375	.45899	1.1083	.01702
#3	.01708	216.04	.49031	.44765	1.1084	.01695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**673.34**	**.02178**	**.26207**	**.34294**	**78.960**	**585.30**
Stddev	5.89	.00014	.00088	.00088	.285	7.72
%RSD	.87465	.63085	.33625	.25654	.36080	1.3194
#1	668.48	.02166	.26212	.34244	79.029	579.96
#2	679.89	.02193	.26293	.34395	79.204	594.15
#3	671.64	.02176	.26117	.34242	78.646	581.78
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.552**	**.46350**	**114.26**	**7.4471**	**.11216**	**21.273**
Stddev	.030	.00237	.32	.0109	.00017	.108
%RSD	.19482	.51060	.27590	.14697	.15502	.50661
#1	15.558	.46276	113.90	7.4453	.11218	21.263
#2	15.578	.46614	114.46	7.4588	.11198	21.386
#3	15.519	.46158	114.42	7.4372	.11233	21.171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722 Acquired: 4/6/2011 21:57:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41973**	**18.683**	**5.1132**	F **82.171**	F **9479.5**	F **-2105e3**
Stddev	.00148	.035	.0061	8.765	79.1	3587.
%RSD	.35366	.18507	.11937	10.667	.83419	.17036
#1	.41940	18.692	5.1063	88.097	9516.4	-2107e3
#2	.42135	18.712	5.1180	86.313	9533.4	-2107e3
#3	.41844	18.645	5.1152	72.102	9388.7	-2101e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20949**	**.06013**	**6.6757**	**1.3018**	**1.6548**	**.70642**
Stddev	.00207	.00461	.0187	.0014	.0075	.00115
%RSD	.98712	7.6702	.27959	.11059	.45038	.16311
#1	.21155	.05550	6.6805	1.3024	1.6568	.70767
#2	.20951	.06473	6.6915	1.3028	1.6611	.70616
#3	.20741	.06017	6.6551	1.3001	1.6466	.70541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02224**	**.92072**	**3.8096**	**.09782**
Stddev	.00128	.00278	.0051	.00071
%RSD	5.7424	.30201	.13455	.72845
#1	.02362	.92075	3.8036	.09728
#2	.02201	.91792	3.8124	.09863
#3	.02110	.92348	3.8126	.09754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722 Acquired: 4/6/2011 21:57:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31063.**	**29567.**
Stddev	24.	253.
%RSD	.07780	.85467
#1	31075.	29854.
#2	31035.	29379.
#3	31078.	29467.

Approved: April 07, 2011

Sample Name: L1103090722PS Acquired: 4/6/2011 22:00:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360988-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22344**	**203.45**	**.64635**	**1.3525**	**1.4756**	**.04043**
Stddev	.00209	.27	.00062	.0045	.0017	.00025
%RSD	.93672	.13461	.09567	.32969	.11475	.61292
#1	.22584	203.76	.64700	1.3575	1.4759	.04072
#2	.22241	203.31	.64577	1.3511	1.4771	.04028
#3	.22205	203.27	.64628	1.3490	1.4738	.04031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**629.39**	**.04493**	**.33097**	**.54704**	**72.382**	**552.22**
Stddev	3.39	.00004	.00036	.00219	.755	6.60
%RSD	.53820	.08111	.10971	.40068	1.0427	1.1959
#1	633.03	.04492	.33136	.54932	72.912	559.78
#2	628.80	.04497	.33064	.54495	72.715	547.53
#3	626.33	.04490	.33092	.54683	71.518	549.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.433**	**.89789**	**109.56**	**7.0548**	**.57725**	**42.703**
Stddev	.026	.00244	.02	.0012	.00017	.051
%RSD	.07072	.27160	.01801	.01684	.02881	.11918
#1	37.459	.89602	109.58	7.0537	.57708	42.761
#2	37.435	.90065	109.56	7.0545	.57741	42.675
#3	37.406	.89700	109.54	7.0561	.57726	42.671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722PS Acquired: 4/6/2011 22:00:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360988-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61056**	**17.041**	**4.9103**	F **67.762**	F **8569.1**	F **-1934e3**
Stddev	.00072	.005	.0016	6.553	27.7	1710.
%RSD	.11771	.03147	.03331	9.6705	.32330	.08841
#1	.60980	17.040	4.9091	74.946	8599.0	-1935e3
#2	.61064	17.036	4.9122	66.226	8544.2	-1932e3
#3	.61123	17.047	4.9097	62.113	8564.2	-1935e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77198**	**.24836**	**8.5774**	**1.1890**	**1.9602**	**1.1055**
Stddev	.00150	.00104	.0107	.0010	.0021	.0019
%RSD	.19446	.41999	.12434	.08591	.10754	.17328
#1	.77165	.24932	8.5854	1.1893	1.9624	1.1039
#2	.77068	.24851	8.5653	1.1878	1.9598	1.1076
#3	.77362	.24725	8.5816	1.1898	1.9583	1.1051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.23546**	**1.3361**	**3.9324**	**.09067**
Stddev	.00188	.0047	.0027	.00029
%RSD	.79880	.35203	.06894	.32068
#1	.23349	1.3415	3.9331	.09095
#2	.23724	1.3337	3.9346	.09037
#3	.23565	1.3330	3.9293	.09070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722PS Acquired: 4/6/2011 22:00:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360988-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31090.**	**29120.**
Stddev	27.	141.
%RSD	.08613	.48339
#1	31059.	28963.
#2	31100.	29234.
#3	31109.	29164.

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**48.398**	**.10869**	**.11175**	**.24522**	**.00357**
Stddev	.00050	.128	.00052	.00008	.00025	.00000
%RSD	14.265	.26496	.47422	.07545	.10144	.10837
#1	.00407	48.444	.10848	.11184	.24527	.00358
#2	.00340	48.496	.10830	.11171	.24544	.00358
#3	.00308	48.253	.10927	.11168	.24495	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**164.95**	**.00496**	**.05957**	**.07550**	**18.205**	**142.32**
Stddev	.35	.00010	.00016	.00032	.084	.19
%RSD	.21502	2.0035	.27106	.41966	.46005	.13390
#1	165.01	.00501	.05942	.07515	18.153	142.54
#2	165.27	.00502	.05956	.07576	18.160	142.20
#3	164.57	.00484	.05974	.07560	18.302	142.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5874**	**.09906**	**27.402**	**1.7107**	**.02431**	**4.6773**
Stddev	.0106	.00092	.057	.0038	.00022	.0037
%RSD	.29431	.92975	.20892	.22447	.89952	.07876
#1	3.5944	.09916	27.396	1.7129	.02422	4.6802
#2	3.5752	.09992	27.462	1.7129	.02456	4.6784
#3	3.5925	.09809	27.348	1.7062	.02416	4.6731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09694**	**4.2377**	**1.2179**	F **9.6629**	F **2253.7**	F **-484410.**
Stddev	.00038	.0120	.0030	8.5061	16.0	1521.
%RSD	.39224	.28298	.24572	88.028	.70930	.31393
#1	.09652	4.2252	1.2184	10.572	2243.7	-483090.
#2	.09727	4.2388	1.2147	.73875	2245.3	-484060.
#3	.09701	4.2492	1.2207	17.678	2272.2	-486070.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04625**	**.01348**	**1.4800**	**.30557**	**.36342**	**.15715**
Stddev	.00166	.00127	.0051	.00088	.00074	.00091
%RSD	3.5812	9.4132	.34295	.28773	.20290	.58014
#1	.04790	.01479	1.4744	.30456	.36342	.15789
#2	.04458	.01340	1.4812	.30616	.36415	.15743
#3	.04626	.01225	1.4844	.30599	.36268	.15613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00582**	**.19668**	**.88252**	**.02048**
Stddev	.00069	.00084	.00287	.00016
%RSD	11.926	.42669	.32468	.76998
#1	.00610	.19721	.88115	.02066
#2	.00503	.19572	.88060	.02036
#3	.00633	.19713	.88582	.02041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:04:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360988-02

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32636.**	**27301.**
Stddev	153.	186.
%RSD	.46769	.68074
#1	32743.	27472.
#2	32702.	27103.
#3	32461.	27328.

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:08:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**9.9743**	**.02497**	**.02116**	**.04999**	**.00073**
Stddev	.00015	.0182	.00066	.00033	.00013	.00001
%RSD	15.590	.18288	2.6266	1.5646	.26353	1.6102
#1	.00090	9.9595	.02439	.02135	.04992	.00072
#2	.00111	9.9686	.02484	.02078	.04990	.00073
#3	.00083	9.9947	.02568	.02134	.05014	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.931**	**.00087**	**.01297**	**.01545**	**3.8876**	**29.214**
Stddev	.096	.00004	.00021	.00017	.0088	.064
%RSD	.28340	4.3411	1.6143	1.1011	.22505	.21981
#1	33.970	.00083	.01276	.01532	3.8789	29.269
#2	33.822	.00088	.01318	.01564	3.8874	29.144
#3	34.002	.00090	.01296	.01539	3.8964	29.230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78119**	**.01975**	**5.7529**	**.35823**	**.00466**	**.96420**
Stddev	.00366	.00104	.0174	.00070	.00018	.00486
%RSD	.46910	5.2557	.30291	.19563	3.9181	.50374
#1	.78536	.01931	5.7636	.35761	.00486	.96229
#2	.77846	.02093	5.7328	.35899	.00461	.96058
#3	.77976	.01900	5.7624	.35809	.00450	.96972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:08:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360988-02

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02014**	**.90474**	**.26772**	**2.3804**	F **487.92**	F **-101900.**
Stddev	.00044	.00148	.00158	10.445	1.13	185.
%RSD	2.1866	.16357	.58880	438.78	.23135	.18126
#1	.02032	.90645	.26927	-8.1020	486.66	-101680.
#2	.02047	.90381	.26612	2.4561	488.27	-102000.
#3	.01964	.90397	.26778	12.787	488.83	-102010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					9.0000	9.0000
Low Limit					-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**.00139**	**.30849**	**.06397**	**.07500**	**.03186**
Stddev	.00141	.00136	.00309	.00049	.00016	.00029
%RSD	16.969	98.235	1.0027	.76302	.20916	.90335
#1	.00687	.00278	.31203	.06452	.07509	.03189
#2	.00969	.00006	.30632	.06380	.07482	.03155
#3	.00838	.00133	.30712	.06360	.07509	.03213
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00145**	**.04033**	**.19124**	**.00314**
Stddev	.00073	.00036	.00098	.00009
%RSD	50.126	.88503	.51448	2.7443
#1	.00228	.04007	.19028	.00319
#2	.00116	.04018	.19120	.00320
#3	.00092	.04073	.19225	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090722SDL Acquired: 4/6/2011 22:08:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360988-02

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33345.**	**27030.**
Stddev	53.	64.
%RSD	.15793	.23797
#1	33406.	26982.
#2	33315.	27103.
#3	33315.	27004.

Approved: April 07, 2011

Sample Name: L1103090723 Acquired: 4/6/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06002**	**64.668**	**.39338**	**.18548**	**.74286**	**.00628**
Stddev	.00132	.424	.00305	.00301	.00255	.00003
%RSD	2.1952	.65598	.77407	1.6206	.34288	.50191
#1	.06021	64.179	.39576	.18551	.73995	.00632
#2	.06123	64.896	.39442	.18246	.74468	.00626
#3	.05862	64.930	.38995	.18847	.74397	.00627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**528.02**	**.01744**	**.11981**	**.21735**	**169.54**	**237.72**
Stddev	2.44	.00003	.00025	.00068	1.02	2.14
%RSD	.46199	.18366	.20480	.31063	.60153	.89901
#1	528.95	.01744	.12007	.21810	170.71	236.46
#2	525.25	.01741	.11978	.21678	168.89	236.51
#3	529.85	.01748	.11959	.21717	169.01	240.18
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6491**	**.19386**	**51.145**	**3.5747**	**.14488**	**23.411**
Stddev	.0266	.00062	.258	.0076	.00009	.122
%RSD	.27578	.32004	.50481	.21293	.06452	.52115
#1	9.6223	.19332	50.883	3.5695	.14489	23.270
#2	9.6495	.19454	51.153	3.5712	.14496	23.476
#3	9.6755	.19373	51.400	3.5834	.14478	23.487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090723 Acquired: 4/6/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21593**	**7.6243**	**.62442**	F **58.756**	F **4110.5**	F **-816140.**
Stddev	.00122	.0235	.00234	3.744	28.1	786.
%RSD	.56419	.30791	.37492	6.3719	.68441	.09627
#1	.21687	7.6456	.62711	57.134	4139.5	-817000.
#2	.21637	7.6283	.62330	56.097	4108.6	-815970.
#3	.21455	7.5991	.62285	63.038	4083.4	-815450.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03357**	**.08560**	**2.0906**	**.36815**	**1.1028**	**.16703**
Stddev	.00226	.00260	.0108	.00250	.0038	.00101
%RSD	6.7226	3.0421	.51700	.68014	.34640	.60610
#1	.03577	.08556	2.1005	.37104	1.0984	.16652
#2	.03126	.08302	2.0923	.36686	1.1052	.16639
#3	.03369	.08823	2.0791	.36656	1.1047	.16820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00710**	**.31487**	**1.3680**	**.03561**
Stddev	.00175	.00158	.0048	.00024
%RSD	24.573	.50257	.34828	.67934
#1	.00888	.31668	1.3735	.03582
#2	.00540	.31372	1.3654	.03535
#3	.00703	.31422	1.3650	.03568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090723 Acquired: 4/6/2011 22:11:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30593.**	**28342.**
Stddev	137.	163.
%RSD	.44746	.57623
#1	30435.	28498.
#2	30668.	28355.
#3	30677.	28172.

Approved: April 07, 2011

Sample Name: L1103090724 Acquired: 4/6/2011 22:15:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02565**	**86.487**	**.29066**	**.26360**	**.62302**	**.00687**
Stddev	.00058	.323	.00402	.00388	.00237	.00005
%RSD	2.2475	.37351	1.3830	1.4725	.38068	.73739
#1	.02519	86.115	.28995	.26049	.62074	.00688
#2	.02630	86.691	.29499	.26236	.62285	.00691
#3	.02546	86.656	.28704	.26795	.62547	.00681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**489.50**	**.01538**	**.12155**	**.27300**	**85.564**	**313.44**
Stddev	9.81	.00006	.00098	.00212	.272	6.77
%RSD	2.0046	.41574	.80781	.77514	.31796	2.1597
#1	485.24	.01546	.12244	.27355	85.777	309.22
#2	482.53	.01536	.12171	.27478	85.257	309.85
#3	500.72	.01533	.12050	.27066	85.656	321.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7023**	**.20794**	**51.778**	**3.8079**	**.09193**	**28.917**
Stddev	.0351	.00101	.066	.0035	.00020	.055
%RSD	.40297	.48364	.12661	.09205	.21539	.19137
#1	8.6631	.20699	51.739	3.8119	.09187	28.871
#2	8.7131	.20784	51.742	3.8063	.09177	28.978
#3	8.7307	.20899	51.854	3.8055	.09215	28.902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090724 Acquired: 4/6/2011 22:15:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23681**	**8.4012**	**.84432**	F **54.364**	F **6160.8**	F **-1348e3**
Stddev	.00129	.0415	.00311	10.817	59.7	3252.
%RSD	.54415	.49438	.36834	19.897	.96835	.24127
#1	.23765	8.4389	.84631	59.607	6212.4	-1351e3
#2	.23745	8.4080	.84592	61.560	6174.5	-1347e3
#3	.23533	8.3566	.84074	41.925	6095.5	-1345e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04218**	**.04217**	**2.7679**	**.48614**	**1.1916**	**.22987**
Stddev	.00208	.00224	.0133	.00465	.0023	.00053
%RSD	4.9392	5.3134	.48196	.95566	.19373	.23086
#1	.04444	.03959	2.7796	.49039	1.1892	.22989
#2	.04035	.04361	2.7708	.48685	1.1938	.23039
#3	.04174	.04332	2.7534	.48118	1.1917	.22933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01060**	**.36569**	**2.2999**	**.03436**
Stddev	.00100	.00035	.0052	.00021
%RSD	9.4605	.09455	.22380	.61822
#1	.01119	.36529	2.3026	.03412
#2	.01116	.36589	2.3032	.03443
#3	.00944	.36589	2.2940	.03452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090724 Acquired: 4/6/2011 22:15:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 2 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31029.**	**27900.**
Stddev	147.	324.
%RSD	.47407	1.1627
#1	30941.	27995.
#2	30947.	28166.
#3	31199.	27538.

Approved: April 07, 2011

Sample Name: L1103090725 Acquired: 4/6/2011 22:18:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00906**	**85.494**	**.26742**	**.21819**	**1.0486**	**.00462**	**288.44**
Stddev	.00084	.400	.00095	.00117	.0035	.00003	1.03
%RSD	9.2615	.46734	.35540	.53686	.33164	.54653	.35538
#1	.00837	85.052	.26670	.21724	1.0450	.00464	287.31
#2	.00999	85.829	.26707	.21784	1.0520	.00462	289.30
#3	.00882	85.602	.26850	.21950	1.0488	.00459	288.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01109**	**.11815**	**.27766**	**7.0506**	**228.40**	**25.643**	**.22574**
Stddev	.00005	.00032	.00131	.0139	1.24	.103	.00039
%RSD	.43061	.26739	.47011	.19755	.54213	.40293	.17297
#1	.01115	.11802	.27897	7.0406	226.97	25.524	.22529
#2	.01108	.11851	.27766	7.0665	229.00	25.712	.22600
#3	.01105	.11792	.27636	7.0447	229.22	25.692	.22593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**86.759**	**5.2995**	**.05172**	**9.3565**	**.19185**	**14.519**	**.31954**
Stddev	.549	.0135	.00010	.0217	.00095	.021	.00175
%RSD	.63288	.25482	.19246	.23216	.49384	.14558	.54903
#1	86.201	5.2879	.05182	9.3408	.19153	14.499	.32116
#2	86.778	5.2964	.05172	9.3813	.19291	14.541	.31979
#3	87.298	5.3143	.05162	9.3474	.19110	14.517	.31768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090725 Acquired: 4/6/2011 22:18:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **80.935**	F **595.00**	F **-68659.**	**.01189**	**.00972**	**1.4663**	**.07275**
Stddev	2.289	1.69	126.	.00201	.00245	.0058	.00044
%RSD	2.8278	.28351	.18331	16.932	25.193	.39585	.60177
#1	81.646	593.56	-68621.	.01068	.00711	1.4722	.07306
#2	78.375	596.85	-68799.	.01078	.01008	1.4661	.07294
#3	82.784	594.58	-68556.	.01422	.01197	1.4606	.07225
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1235**	**.76945**	**.01056**	**.45115**	**1.4385**	**.04562**
Stddev	.0027	.00297	.00048	.00196	.0012	.00022
%RSD	.23882	.38640	4.5857	.43389	.08416	.47836
#1	1.1233	.76611	.01073	.45341	1.4386	.04574
#2	1.1262	.77180	.01002	.45006	1.4397	.04574
#3	1.1209	.77045	.01094	.44997	1.4373	.04536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31262.**	**28129.**
Stddev	107.	170.
%RSD	.34369	.60430
#1	31159.	28216.
#2	31255.	28238.
#3	31373.	27933.

Approved: April 07, 2011

Sample Name: L1103090726 Acquired: 4/6/2011 22:22:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04004**	**159.16**	**.64271**	**.25703**	**1.9022**	**.01104**
Stddev	.00057	1.22	.00436	.00513	.0061	.00006
%RSD	1.4260	.76949	.67826	1.9947	.32160	.52991
#1	.04011	158.49	.63769	.25272	1.9044	.01108
#2	.04058	158.42	.64501	.25567	1.8953	.01107
#3	.03944	160.57	.64545	.26270	1.9069	.01097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**598.20**	**.02622**	**.18700**	**.37481**	**104.88**	**413.91**
Stddev	6.32	.00022	.00123	.00020	.41	7.43
%RSD	1.0570	.85399	.66033	.05331	.38736	1.7956
#1	592.57	.02598	.18562	.37489	104.51	407.23
#2	596.98	.02626	.18739	.37496	104.80	412.59
#3	605.04	.02642	.18799	.37459	105.32	421.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.012**	**.40507**	**110.65**	**6.5696**	**.11442**	**7.9874**
Stddev	.139	.00107	.65	.0274	.00052	.0312
%RSD	.49713	.26424	.58500	.41764	.45432	.39065
#1	27.938	.40569	110.04	6.5513	.11422	7.9617
#2	27.925	.40383	110.58	6.5563	.11501	7.9785
#3	28.173	.40569	111.33	6.6011	.11403	8.0221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090726 Acquired: 4/6/2011 22:22:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31088**	**15.812**	**1.1882**	F **83.617**	F **1508.4**	F **-196460.**
Stddev	.00092	.063	.0048	1.984	9.8	485.
%RSD	.29582	.39845	.40153	2.3729	.65174	.24675
#1	.31016	15.742	1.1828	85.841	1497.2	-195910.
#2	.31192	15.865	1.1916	82.984	1512.2	-196820.
#3	.31057	15.830	1.1904	82.027	1515.8	-196660.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04760**	**.05715**	**4.1040**	**.89684**	**1.4786**	**.66625**
Stddev	.00096	.00204	.0167	.00320	.0070	.00250
%RSD	2.0188	3.5721	.40767	.35679	.47161	.37549
#1	.04670	.05676	4.0850	.89315	1.4762	.66535
#2	.04861	.05935	4.1166	.89843	1.4732	.66432
#3	.04748	.05533	4.1104	.89893	1.4865	.66908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01750**	**.70936**	**2.3319**	**.08879**
Stddev	.00089	.00325	.0056	.00014
%RSD	5.0687	.45860	.24246	.15664
#1	.01698	.71194	2.3254	.08892
#2	.01852	.71044	2.3351	.08864
#3	.01699	.70571	2.3352	.08882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090726 Acquired: 4/6/2011 22:22:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30963.**	**29201.**
Stddev	37.	104.
%RSD	.11934	.35645
#1	31004.	29304.
#2	30934.	29203.
#3	30949.	29096.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 22:26:16 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42590**	**9.6110**	**.41926**	**.51975**	**.97103**	**.05124**	**9.6896**
Stddev	.00084	.0239	.00148	.00130	.00043	.00014	.0091
%RSD	.19780	.24861	.35304	.24923	.04447	.26507	.09402
#1	.42494	9.6073	.41772	.51842	.97150	.05139	9.6811
#2	.42622	9.6365	.41941	.52101	.97096	.05119	9.6992
#3	.42653	9.5891	.42066	.51983	.97064	.05113	9.6886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05292**	**.21369**	**.51653**	**.54824**	**3.9817**	**49.141**	**.98756**
Stddev	.00012	.00061	.00186	.00638	.0056	.049	.00101
%RSD	.22223	.28713	.36011	1.1630	.13977	.09913	.10261
#1	.05297	.21396	.51687	.55472	3.9872	49.084	.98639
#2	.05301	.21413	.51820	.54802	3.9818	49.170	.98817
#3	.05279	.21299	.51453	.54197	3.9761	49.167	.98813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.096**	**.50701**	**.98218**	**48.378**	**.51987**	F **-.00126**	**.52959**
Stddev	.026	.00074	.00045	.055	.00094	.00170	.00075
%RSD	.25717	.14568	.04613	.11271	.18078	134.95	.14187
#1	10.087	.50768	.98247	48.327	.51932	.00070	.52897
#2	10.126	.50714	.98241	48.370	.52096	-.00237	.53042
#3	10.077	.50622	.98166	48.436	.51934	-.00211	.52936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 22:26:16 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **8.2938**	F **11.103**	F **-79.560**	**1.2805**	**.41904**	F **.01954**	**1.0585**
Stddev	5.2238	.175	21.331	.0015	.00351	.00042	.0009
%RSD	62.984	1.5730	26.811	.11452	.83754	2.1641	.08153
#1	3.7884	11.262	-101.34	1.2803	.42017	.01990	1.0588
#2	14.020	11.131	-78.638	1.2821	.42185	.01963	1.0592
#3	7.0733	10.916	-58.706	1.2792	.41511	.01907	1.0575
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000	10.000	10.000			5.0000	
Range	-10.000%	10.000%	-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97684**	**1.0029**	**.53278**	**1.0325**	**1.0258**	F **.00079**
Stddev	.00213	.0023	.00099	.0028	.0008	.00008
%RSD	.21763	.22497	.18520	.27521	.08224	10.430
#1	.97478	1.0006	.53356	1.0295	1.0252	.00070
#2	.97672	1.0051	.53311	1.0351	1.0267	.00086
#3	.97902	1.0030	.53167	1.0328	1.0254	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32647.**	**27085.**
Stddev	53.	97.
%RSD	.16185	.35732
#1	32696.	27127.
#2	32591.	26975.
#3	32655.	27154.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 22:29:39 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00781**	**-.00026**	**-.00215**	**-.00033**	**.00003**	**.01003**
Stddev	.0002	.00958	.00025	.00048	.00011	.00001	.00696
%RSD	4918.5	122.59	95.041	22.449	32.846	18.694	69.447
#1	.00021	-.01463	-.00043	-.00269	-.00046	.00004	.00209
#2	-.00014	.00314	.00002	-.00176	-.00027	.00003	.01286
#3	-.00008	-.01195	-.00037	-.00199	-.00027	.00003	.01512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00008**	**-.00039**	**.00081**	**.00449**	**.15871**	**.00055**
Stddev	.00003	.00011	.00020	.00073	.00342	.02768	.00171
%RSD	142.56	143.64	50.373	90.213	76.291	17.442	311.96
#1	.00004	-.00018	-.00048	.00127	.00427	.18689	.00243
#2	.00003	.00004	-.00053	-.00003	.00118	.13156	.00014
#3	-.00001	-.00008	-.00016	.00119	.00802	.15766	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00825**	**.00009**	**.00008**	**.03233**	**.01782**	**-.00138**	**-.00048**
Stddev	.00465	.00029	.00011	.00592	.03076	.00253	.00044
%RSD	56.363	318.98	146.95	18.305	172.59	182.73	90.434
#1	.00419	.00023	-.00001	.03732	.00040	-.00400	-.00008
#2	.00724	-.00024	.00020	.02579	-.00027	-.00119	-.00043
#3	.01332	.00029	.00004	.03388	.05334	.00104	-.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 22:29:39 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.650**	F **1.3107**	F **-301.53**	**.00111**	**.00086**	**.03266**	**.00022**
Stddev	12.937	1.9430	443.22	.00034	.00015	.04975	.00015
%RSD	50.435	148.25	146.99	30.876	16.883	152.32	68.404
#1	31.322	.16512	-37.799	.00073	.00099	.00383	.00031
#2	34.782	.21277	-53.559	.00140	.00070	.00405	.00032
#3	10.846	3.5541	-813.24	.00120	.00090	.09010	.00005
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00105**	**-.00043**	**-.00028**	**.01962**	**-.00001**
Stddev	.00008	.00089	.00150	.00005	.03209	.00009
%RSD	422.20	85.228	346.13	18.067	163.59	1383.3
#1	.00006	.00013	.00018	-.00025	.00113	-.00009
#2	-.00001	.00109	.00066	-.00026	.00105	.00008
#3	-.00010	.00191	-.00214	-.00034	.05667	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32825.**	**26822.**
Stddev	368.	156.
%RSD	1.1217	.58300
#1	33122.	26737.
#2	32939.	27003.
#3	32413.	26727.

Approved: April 07, 2011

Sample Name: L1103090727 Acquired: 4/6/2011 22:33:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01470**	**153.12**	**.54726**	**.23349**	**1.9282**	**.01042**
Stddev	.00043	1.64	.00314	.00040	.0179	.00002
%RSD	2.9464	1.0699	.57336	.17273	.92678	.23026
#1	.01507	153.84	.54527	.23331	1.9430	.01044
#2	.01422	151.24	.55087	.23322	1.9084	.01043
#3	.01481	154.27	.54562	.23396	1.9333	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**444.91**	**.02623**	**.16566**	**.54292**	**36.709**	**366.73**
Stddev	6.06	.00005	.00057	.00097	.098	2.59
%RSD	1.3623	.20262	.34227	.17778	.26579	.70697
#1	440.09	.02628	.16533	.54253	36.628	368.82
#2	442.92	.02622	.16632	.54402	36.817	363.83
#3	451.71	.02618	.16535	.54221	36.682	367.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.417**	**.36059**	**104.57**	**6.4491**	**.07396**	**8.0064**
Stddev	.311	.00508	.63	.0519	.00014	.0936
%RSD	.87916	1.4097	.60719	.80461	.19565	1.1694
#1	35.554	.36511	104.64	6.4794	.07413	8.0626
#2	35.061	.35508	103.90	6.3892	.07387	7.8983
#3	35.637	.36158	105.16	6.4788	.07389	8.0582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090727 Acquired: 4/6/2011 22:33:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26928**	**15.791**	**.65213**	F **98.600**	F **927.64**	F **-104700.**
Stddev	.00043	.028	.00281	6.798	2.52	77.
%RSD	.16107	.17453	.43078	6.8943	.27136	.07321
#1	.26878	15.771	.65186	101.38	926.08	-104760.
#2	.26953	15.823	.65506	103.57	930.54	-104730.
#3	.26952	15.781	.64946	90.852	926.29	-104620.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02508**	**.01850**	**3.0776**	**.35735**	**1.3041**	**.65041**
Stddev	.00216	.00296	.0006	.00065	.0146	.00727
%RSD	8.6158	15.990	.01829	.18164	1.1155	1.1182
#1	.02519	.01540	3.0777	.35750	1.3130	.65485
#2	.02718	.01880	3.0782	.35791	1.2873	.64201
#3	.02286	.02129	3.0770	.35664	1.3120	.65435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01476**	**.61817**	**2.4739**	**.10777**
Stddev	.00112	.00181	.0043	.00064
%RSD	7.5799	.29324	.17238	.59421
#1	.01589	.61720	2.4698	.10774
#2	.01366	.62026	2.4783	.10842
#3	.01472	.61705	2.4736	.10714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090727 Acquired: 4/6/2011 22:33:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31852.**	**29827.**
Stddev	72.	100.
%RSD	.22682	.33576
#1	31817.	29940.
#2	31805.	29752.
#3	31936.	29788.

Approved: April 07, 2011

Sample Name: L1103090728 Acquired: 4/6/2011 22:36:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**136.24**	**.13046**	**.15571**	**1.8564**	**.00812**	**637.85**
Stddev	.00057	.79	.00186	.00029	.0052	.00003	4.85
%RSD	6.0616	.57980	1.4267	.18678	.28056	.37439	.76102
#1	.00887	135.60	.13157	.15554	1.8540	.00816	636.21
#2	.00997	136.00	.12831	.15605	1.8528	.00810	634.03
#3	.00917	137.12	.13150	.15555	1.8624	.00811	643.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00804**	**.12908**	**.21669**	**16.069**	**252.66**	**30.608**	**.33574**
Stddev	.00007	.00048	.00152	.053	1.09	.083	.00226
%RSD	.88229	.37187	.70332	.32719	.43009	.27189	.67218
#1	.00812	.12962	.21766	16.127	252.05	30.550	.33331
#2	.00798	.12892	.21747	16.056	252.03	30.572	.33777
#3	.00803	.12870	.21493	16.025	253.92	30.704	.33615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**119.81**	**5.0998**	**.03754**	**6.2818**	**.21436**	**12.159**	**.23021**
Stddev	.63	.0227	.00038	.0300	.00077	.020	.00088
%RSD	.52781	.44553	1.0212	.47777	.36145	.16575	.38109
#1	119.45	5.0779	.03717	6.2580	.21526	12.181	.23113
#2	119.45	5.0982	.03751	6.2718	.21395	12.154	.23013
#3	120.54	5.1232	.03794	6.3155	.21388	12.141	.22938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090728 Acquired: 4/6/2011 22:36:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **82.694**	F **861.49**	F **-41377.**	**.01141**	**.01268**	**2.6156**	**.08041**
Stddev	3.529	1.91	26.	.00090	.00172	.0016	.00062
%RSD	4.2669	.22144	.06181	7.8733	13.564	.06173	.77154
#1	84.637	863.51	-41390.	.01105	.01407	2.6169	.08029
#2	78.621	861.25	-41392.	.01244	.01076	2.6138	.08108
#3	84.824	859.72	-41347.	.01075	.01320	2.6161	.07985
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6786**	**.73047**	**.01231**	**.47008**	**.95301**	**.09959**
Stddev	.0059	.00233	.00027	.00065	.00072	.00055
%RSD	.35107	.31911	2.1605	.13822	.07569	.55480
#1	1.6722	.72787	.01227	.47083	.95384	.09996
#2	1.6799	.73115	.01207	.46965	.95271	.09987
#3	1.6838	.73238	.01259	.46976	.95249	.09896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31212.**	**28726.**
Stddev	72.	205.
%RSD	.23167	.71499
#1	31130.	28609.
#2	31240.	28963.
#3	31266.	28605.

Approved: April 07, 2011

Sample Name: L1103090729 Acquired: 4/6/2011 22:40:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01351**	**129.10**	**.38380**	**.26715**	**1.6391**	**.00858**	**569.38**
Stddev	.00042	.31	.00064	.00066	.0041	.00003	3.93
%RSD	3.0883	.24106	.16646	.24541	.24774	.30243	.69045
#1	.01313	129.16	.38412	.26788	1.6428	.00856	570.88
#2	.01345	128.76	.38306	.26696	1.6347	.00857	572.33
#3	.01396	129.37	.38421	.26661	1.6397	.00861	564.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01419**	**.14448**	**.37067**	**21.453**	**296.78**	**38.734**	**.35426**
Stddev	.00008	.00051	.00069	.031	3.29	.082	.00117
%RSD	.52949	.35091	.18487	.14368	1.1092	.21088	.32985
#1	.01427	.14501	.36992	21.473	299.62	38.714	.35357
#2	.01412	.14444	.37127	21.469	297.56	38.664	.35359
#3	.01419	.14399	.37082	21.418	293.17	38.824	.35560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.060**	**5.9417**	**.05853**	**16.997**	**.24912**	**15.468**	**.51849**
Stddev	.391	.0112	.00017	.038	.00024	.008	.00154
%RSD	.40726	.18907	.28958	.22485	.09797	.05133	.29616
#1	96.124	5.9489	.05872	16.959	.24886	15.475	.52022
#2	95.640	5.9287	.05849	16.996	.24916	15.468	.51795
#3	96.415	5.9474	.05838	17.036	.24935	15.459	.51730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090729 Acquired: 4/6/2011 22:40:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **91.952**	F **902.38**	F **-70902.**	**.02217**	**.01390**	**1.9726**	**.16821**
Stddev	5.484	.55	102.	.00173	.00222	.0047	.00069
%RSD	5.9642	.06071	.14433	7.8027	15.951	.23926	.41190
#1	88.766	902.98	-71008.	.02272	.01515	1.9751	.16824
#2	88.806	901.90	-70803.	.02356	.01521	1.9757	.16888
#3	98.285	902.26	-70895.	.02023	.01134	1.9672	.16750
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5815**	**.92837**	**.01518**	**.65456**	**1.6046**	**.10191**
Stddev	.0017	.00095	.00113	.00321	.0022	.00046
%RSD	.10715	.10272	7.4281	.49092	.13798	.45059
#1	1.5828	.92933	.01577	.65434	1.6033	.10139
#2	1.5796	.92742	.01388	.65147	1.6071	.10205
#3	1.5822	.92836	.01588	.65789	1.6033	.10228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31825.**	**29343.**
Stddev	42.	167.
%RSD	.13111	.57028
#1	31813.	29207.
#2	31791.	29530.
#3	31872.	29292.

Approved: April 07, 2011

Sample Name: L1103090730 Acquired: 4/6/2011 22:44:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01387**	**138.72**	**.62979**	**.25674**	**1.8010**	**.01093**
Stddev	.00025	.39	.00336	.00337	.0092	.00003
%RSD	1.7737	.28253	.53410	1.3128	.51203	.30458
#1	.01359	138.36	.62676	.26007	1.7923	.01092
#2	.01404	138.66	.63341	.25333	1.8000	.01090
#3	.01399	139.13	.62919	.25684	1.8106	.01096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**574.81**	**.03058**	**.17765**	**.58478**	**38.933**	**350.90**
Stddev	2.46	.00008	.00056	.00311	.116	4.14
%RSD	.42733	.27501	.31596	.53141	.29905	1.1812
#1	577.45	.03053	.17713	.58309	38.841	355.68
#2	574.39	.03054	.17824	.58289	39.064	348.39
#3	572.59	.03068	.17759	.58837	38.894	348.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.402**	**.42900**	**96.082**	**7.6867**	**.06534**	**21.733**
Stddev	.159	.00057	.141	.0022	.00012	.033
%RSD	.46129	.13188	.14690	.02807	.18144	.14958
#1	34.251	.42902	95.921	7.6876	.06547	21.714
#2	34.389	.42955	96.142	7.6882	.06524	21.715
#3	34.567	.42842	96.183	7.6842	.06531	21.771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090730 Acquired: 4/6/2011 22:44:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28213**	**20.615**	**1.0861**	F **91.941**	F **1053.0**	F **-103680.**
Stddev	.00104	.052	.0012	6.981	4.2	195.
%RSD	.36868	.25148	.10946	7.5926	.40053	.18852
#1	.28096	20.576	1.0860	89.004	1049.3	-103610.
#2	.28248	20.674	1.0873	99.911	1057.6	-103900.
#3	.28295	20.596	1.0849	86.909	1052.0	-103520.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03586**	**.02202**	**3.3344**	**.43587**	**1.5806**	**.54039**
Stddev	.00037	.00189	.0064	.00033	.0029	.00129
%RSD	1.0331	8.5758	.19280	.07493	.18123	.23807
#1	.03552	.02370	3.3281	.43570	1.5787	.53981
#2	.03626	.01998	3.3410	.43624	1.5792	.53950
#3	.03579	.02238	3.3342	.43566	1.5839	.54187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01595**	**.66604**	**3.0194**	**.08802**
Stddev	.00115	.00186	.0015	.00035
%RSD	7.1960	.27930	.04979	.40197
#1	.01512	.66402	3.0207	.08786
#2	.01726	.66640	3.0178	.08778
#3	.01547	.66769	3.0198	.08843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090730 Acquired: 4/6/2011 22:44:13 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32102.**	**29654.**
Stddev	68.	184.
%RSD	.21258	.62128
#1	32178.	29463.
#2	32046.	29667.
#3	32082.	29831.

Approved: April 07, 2011

Sample Name: L1103090731 Acquired: 4/6/2011 22:47:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01133**	**107.89**	**.51299**	**.22887**	**1.2437**	**.00715**	**307.69**
Stddev	.00055	.56	.00046	.00267	.0041	.00001	3.96
%RSD	4.8447	.52336	.08968	1.1663	.32614	.11112	1.2867
#1	.01192	107.72	.51337	.22672	1.2446	.00715	307.45
#2	.01083	108.52	.51248	.22804	1.2472	.00714	303.87
#3	.01125	107.43	.51311	.23186	1.2393	.00716	311.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02063**	**.14636**	**.63035**	**15.045**	**293.50**	**34.276**	**.31138**
Stddev	.00009	.00014	.00278	.021	5.53	.143	.00053
%RSD	.44365	.09347	.44133	.13639	1.8827	.41770	.17022
#1	.02053	.14623	.63156	15.037	287.73	34.180	.31103
#2	.02071	.14650	.62716	15.068	294.03	34.441	.31111
#3	.02065	.14636	.63231	15.028	298.75	34.208	.31199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**92.516**	**6.9446**	**.05235**	**14.890**	**.25758**	**16.348**	**.76598**
Stddev	.130	.0118	.00042	.059	.00069	.021	.00294
%RSD	.14088	.17017	.80226	.39456	.26609	.12873	.38347
#1	92.371	6.9428	.05261	14.863	.25679	16.352	.76589
#2	92.555	6.9573	.05187	14.957	.25798	16.367	.76310
#3	92.623	6.9339	.05258	14.850	.25797	16.326	.76897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090731 Acquired: 4/6/2011 22:47:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.507**	F **659.71**	F **-78676.**	**.01629**	**.01194**	**2.2290**	**.21452**
Stddev	5.458	1.23	36.	.00135	.00083	.0022	.00053
%RSD	6.0985	.18617	.04588	8.3146	6.9458	.09865	.24567
#1	83.419	659.64	-78641.	.01689	.01112	2.2297	.21482
#2	93.964	660.98	-78713.	.01474	.01192	2.2308	.21483
#3	91.137	658.53	-78673.	.01725	.01278	2.2266	.21391
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1371**	**.68653**	**.01497**	**.58354**	**1.9030**	**.07800**
Stddev	.0062	.00141	.00096	.00034	.0028	.00022
%RSD	.54651	.20594	6.3837	.05866	.14886	.28751
#1	1.1362	.68493	.01412	.58389	1.9010	.07805
#2	1.1437	.68760	.01601	.58353	1.9063	.07776
#3	1.1313	.68707	.01480	.58321	1.9018	.07820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31848.**	**29213.**
Stddev	82.	60.
%RSD	.25706	.20452
#1	31831.	29168.
#2	31775.	29281.
#3	31936.	29190.

Approved: April 07, 2011

Sample Name: L1103090732 Acquired: 4/6/2011 22:51:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02455**	**154.84**	**.48706**	**.41496**	**1.6763**	**.01095**
Stddev	.00037	.84	.00171	.00137	.0025	.00004
%RSD	1.5221	.54291	.35028	.33015	.14758	.40806
#1	.02475	155.08	.48580	.41639	1.6782	.01090
#2	.02412	153.90	.48637	.41366	1.6735	.01099
#3	.02478	155.52	.48900	.41482	1.6772	.01097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**585.93**	**.02292**	**.18943**	**.28718**	**89.617**	**470.43**
Stddev	7.38	.00011	.00058	.00124	.405	2.38
%RSD	1.2595	.49662	.30855	.43310	.45245	.50595
#1	590.67	.02283	.18892	.28581	89.327	472.87
#2	577.43	.02288	.18930	.28822	89.444	468.12
#3	589.69	.02305	.19007	.28752	90.081	470.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.642**	**.48216**	**100.34**	**6.6904**	**.14233**	**19.023**
Stddev	.068	.00075	.20	.0095	.00024	.082
%RSD	.28969	.15553	.19968	.14154	.17079	.42887
#1	23.646	.48197	100.13	6.6893	.14215	19.051
#2	23.572	.48152	100.35	6.6815	.14261	18.931
#3	23.709	.48299	100.53	6.7003	.14224	19.087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090732 Acquired: 4/6/2011 22:51:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28640**	**17.306**	**1.3837**	F **81.533**	F **1647.6**	F **-238890.**
Stddev	.00103	.034	.0040	6.173	6.7	209.
%RSD	.36071	.19646	.28777	7.5710	.40538	.08751
#1	.28522	17.269	1.3791	80.625	1641.2	-238670.
#2	.28685	17.313	1.3858	75.864	1647.1	-238910.
#3	.28713	17.336	1.3862	88.110	1654.5	-239090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06049**	**.05336**	**3.8408**	**.96832**	**1.7392**	**.54396**
Stddev	.00101	.00228	.0092	.00073	.0080	.00107
%RSD	1.6688	4.2818	.24003	.07562	.46047	.19619
#1	.05998	.05584	3.8340	.96885	1.7413	.54511
#2	.05983	.05289	3.8372	.96749	1.7303	.54376
#3	.06165	.05134	3.8513	.96863	1.7459	.54300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01781**	**.68078**	**2.6867**	**.08035**
Stddev	.00038	.00218	.0026	.00020
%RSD	2.1252	.32079	.09732	.25357
#1	.01781	.67944	2.6842	.08041
#2	.01818	.67960	2.6864	.08012
#3	.01742	.68330	2.6894	.08051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090732 Acquired: 4/6/2011 22:51:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31576.**	**29317.**
Stddev	41.	72.
%RSD	.12850	.24434
#1	31607.	29238.
#2	31591.	29376.
#3	31530.	29337.

Approved: April 07, 2011

Sample Name: L1103090733 Acquired: 4/6/2011 22:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01136**	**174.20**	**.51878**	**.28610**	**3.0227**	**.01265**
Stddev	.00004	.85	.00173	.00380	.0169	.00008
%RSD	.32222	.48879	.33434	1.3294	.55740	.64294
#1	.01134	173.29	.51678	.28235	3.0050	.01271
#2	.01133	174.36	.51970	.28996	3.0245	.01268
#3	.01140	174.97	.51987	.28598	3.0385	.01256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**475.94**	**.02463**	**.16253**	**.65441**	**18.601**	**306.69**
Stddev	3.71	.00006	.00050	.00283	.030	5.39
%RSD	.78027	.23670	.30822	.43308	.16075	1.7560
#1	475.14	.02456	.16211	.65669	18.574	301.73
#2	479.98	.02466	.16309	.65531	18.633	312.42
#3	472.68	.02467	.16239	.65124	18.596	305.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**58.284**	**.43957**	**111.12**	**7.7181**	**.07057**	**50.503**
Stddev	.314	.00260	.40	.0087	.00007	.105
%RSD	.53828	.59146	.36354	.11243	.09568	.20802
#1	57.943	.43658	110.68	7.7127	.07049	50.417
#2	58.350	.44083	111.22	7.7136	.07062	50.473
#3	58.560	.44130	111.47	7.7282	.07059	50.620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

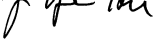
Sample Name: L1103090733 Acquired: 4/6/2011 22:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28445**	**17.804**	**.76233**	F **97.904**	F **1047.9**	F **-127910.**
Stddev	.00070	.020	.00220	7.055	3.2	222.
%RSD	.24486	.10969	.28873	7.2063	.30397	.17321
#1	.28495	17.783	.75991	100.59	1044.7	-127650.
#2	.28366	17.808	.76422	103.22	1051.0	-128060.
#3	.28476	17.821	.76285	89.900	1048.1	-128010.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02263**	**.01334**	**4.4785**	**.22942**	**1.7133**	**.59448**
Stddev	.00197	.00277	.0074	.00054	.0050	.00231
%RSD	8.6887	20.793	.16571	.23560	.29278	.38790
#1	.02484	.01033	4.4699	.22938	1.7088	.59191
#2	.02197	.01580	4.4835	.22890	1.7124	.59517
#3	.02108	.01387	4.4819	.22997	1.7187	.59637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01165**	**.50547**	**1.8255**	**.17976**
Stddev	.00134	.00308	.0008	.00067
%RSD	11.467	.60935	.04558	.37030
#1	.01019	.50840	1.8256	.18053
#2	.01195	.50575	1.8263	.17935
#3	.01281	.50226	1.8247	.17941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011



Sample Name: L1103090733 Acquired: 4/6/2011 22:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32511.**	**29876.**
Stddev	74.	70.
%RSD	.22670	.23580
#1	32477.	29880.
#2	32462.	29804.
#3	32596.	29945.

Approved: April 07, 2011

Sample Name: L1103090734 Acquired: 4/6/2011 22:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06180**	**214.44**	**.78282**	**.63167**	**1.2301**	**.01506**
Stddev	.00103	.64	.00312	.00377	.0010	.00004
%RSD	1.6615	.29977	.39885	.59750	.07966	.29677
#1	.06091	214.34	.78511	.62752	1.2291	.01511
#2	.06158	215.13	.78410	.63489	1.2310	.01502
#3	.06292	213.86	.77927	.63261	1.2301	.01505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**541.82**	**.03799**	**.31495**	**.30087**	F **203.33**	**775.51**
Stddev	3.16	.00012	.00014	.00167	1.08	6.70
%RSD	.58353	.31827	.04391	.55631	.53069	.86338
#1	543.96	.03807	.31498	.30023	202.46	768.95
#2	543.32	.03785	.31508	.29962	202.98	782.33
#3	538.19	.03805	.31480	.30277	204.53	775.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					180.00	
Low Limit					-.00500	

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.842**	**.61278**	**108.61**	**9.5886**	**.28430**	**47.305**
Stddev	.033	.00077	.34	.0180	.00011	.175
%RSD	.15820	.12596	.31491	.18787	.04024	.37001
#1	20.861	.61367	108.36	9.5945	.28418	47.339
#2	20.862	.61230	109.00	9.6029	.28441	47.461
#3	20.804	.61238	108.48	9.5684	.28432	47.116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090734 Acquired: 4/6/2011 22:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43397**	**19.181**	**2.5824**	F **91.624**	F **5709.3**	F **-1219e3**
Stddev	.00093	.007	.0050	5.345	15.5	1177.
%RSD	.21345	.03650	.19549	5.8335	.27111	.09650
#1	.43323	19.185	2.5822	97.603	5716.5	-1220e3
#2	.43501	19.186	2.5774	89.962	5719.8	-1220e3
#3	.43368	19.173	2.5875	87.308	5691.5	-1218e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11735**	**.12898**	**8.2114**	**1.4573**	**1.6182**	**.51288**
Stddev	.00230	.00086	.0050	.0018	.0059	.00084
%RSD	1.9623	.66987	.06130	.12164	.36356	.16402
#1	.11781	.12994	8.2171	1.4561	1.6218	.51245
#2	.11939	.12873	8.2099	1.4593	1.6214	.51385
#3	.11485	.12827	8.2074	1.4564	1.6114	.51234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02407**	**.86806**	**6.1952**	**.07525**
Stddev	.00099	.00199	.0047	.00043
%RSD	4.1148	.22888	.07544	.57787
#1	.02403	.86633	6.1898	.07477
#2	.02508	.86762	6.1981	.07536
#3	.02310	.87023	6.1978	.07562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090734 Acquired: 4/6/2011 22:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31144.**	**29825.**
Stddev	9.	191.
%RSD	.02754	.63967
#1	31152.	29766.
#2	31144.	29670.
#3	31135.	30038.

Approved: April 07, 2011

Sample Name: L1103090735 Acquired: 4/6/2011 23:02:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**151.85**	**.37996**	**.33184**	**1.5313**	**.01137**
Stddev	.00026	.10	.00089	.00290	.0031	.00003
%RSD	2.0673	.06427	.23544	.87353	.20130	.25735
#1	.01280	151.74	.37895	.32890	1.5278	.01139
#2	.01243	151.88	.38030	.33192	1.5336	.01134
#3	.01293	151.93	.38064	.33469	1.5325	.01139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**476.28**	**.03052**	**.17090**	**.80063**	**40.377**	**352.75**
Stddev	10.45	.00002	.00041	.00130	.077	4.90
%RSD	2.1935	.06816	.24115	.16238	.19089	1.3890
#1	477.70	.03052	.17134	.80137	40.464	347.76
#2	465.20	.03049	.17084	.79913	40.350	352.93
#3	485.95	.03053	.17052	.80139	40.317	357.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.675**	**.43466**	**97.934**	**6.4020**	**.11870**	**57.618**
Stddev	.089	.00100	.432	.0076	.00026	.020
%RSD	.23567	.23008	.44097	.11918	.22191	.03518
#1	37.574	.43351	97.807	6.3948	.11873	57.599
#2	37.711	.43518	97.580	6.4012	.11842	57.639
#3	37.740	.43530	98.415	6.4100	.11894	57.616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090735 Acquired: 4/6/2011 23:02:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27365**	**18.962**	**.91932**	F **91.021**	F **2953.2**	F **-568120.**
Stddev	.00071	.040	.00154	8.733	5.4	723.
%RSD	.26114	.21052	.16792	9.5947	.18189	.12730
#1	.27446	18.996	.91987	90.583	2959.1	-568610.
#2	.27313	18.972	.92051	99.965	2951.7	-568450.
#3	.27335	18.919	.91757	82.515	2948.7	-567290.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03185**	**.02080**	**3.7684**	**.44909**	**1.6821**	**.54381**
Stddev	.00162	.00124	.0078	.00137	.0035	.00125
%RSD	5.0815	5.9398	.20813	.30607	.20706	.22914
#1	.03370	.01950	3.7773	.44969	1.6804	.54245
#2	.03070	.02096	3.7658	.45006	1.6861	.54409
#3	.03115	.02195	3.7622	.44751	1.6798	.54490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01171**	**.51858**	**2.6880**	**.10301**
Stddev	.00206	.00069	.0037	.00053
%RSD	17.639	.13387	.13602	.51128
#1	.01409	.51858	2.6922	.10274
#2	.01048	.51789	2.6859	.10267
#3	.01054	.51928	2.6860	.10361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090735 Acquired: 4/6/2011 23:02:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31699.**	**29723.**
Stddev	73.	345.
%RSD	.23098	1.1593
#1	31614.	29457.
#2	31746.	30112.
#3	31736.	29599.

Approved: April 07, 2011

Sample Name: L1103090736 Acquired: 4/6/2011 23:06:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03150**	**244.97**	**.90185**	**.48281**	**1.8355**	**.01683**
Stddev	.00075	.76	.00359	.00387	.0043	.00004
%RSD	2.3883	.30865	.39835	.80116	.23241	.24999
#1	.03202	244.43	.90373	.48540	1.8341	.01688
#2	.03064	245.83	.89771	.47837	1.8403	.01680
#3	.03185	244.64	.90411	.48467	1.8322	.01682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**453.64**	**.03665**	**.29244**	**.34628**	**146.63**	**703.32**
Stddev	5.06	.00006	.00065	.00100	.84	3.61
%RSD	1.1147	.16305	.22182	.29009	.57417	.51374
#1	451.48	.03670	.29317	.34738	145.76	702.84
#2	459.42	.03658	.29221	.34605	147.44	699.97
#3	450.03	.03666	.29194	.34541	146.68	707.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.499**	**.70962**	**113.61**	**9.7039**	**.15855**	**54.491**
Stddev	.077	.00244	.33	.0122	.00052	.095
%RSD	.25393	.34402	.29355	.12532	.32549	.17359
#1	30.446	.70772	113.48	9.7088	.15914	54.430
#2	30.588	.71237	113.99	9.7128	.15837	54.600
#3	30.462	.70877	113.36	9.6900	.15816	54.442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090736 Acquired: 4/6/2011 23:06:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42833**	**19.655**	**2.1198**	F **95.771**	F **2666.1**	F **-509680.**
Stddev	.00131	.038	.0049	6.171	6.0	919.
%RSD	.30700	.19134	.23169	6.4431	.22460	.18021
#1	.42982	19.697	2.1223	99.475	2672.7	-510520.
#2	.42781	19.625	2.1141	88.648	2661.0	-509820.
#3	.42735	19.643	2.1229	99.191	2664.6	-508700.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10351**	**.08374**	**8.2315**	**1.1428**	**1.6255**	**.50518**
Stddev	.00131	.00300	.0062	.0013	.0014	.00128
%RSD	1.2644	3.5883	.07482	.11508	.08769	.25279
#1	.10433	.08439	8.2375	1.1442	1.6246	.50595
#2	.10200	.08047	8.2318	1.1416	1.6272	.50590
#3	.10420	.08637	8.2252	1.1427	1.6248	.50371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02132**	**.87962**	**5.7357**	**.11795**
Stddev	.00154	.00176	.0142	.00099
%RSD	7.2258	.20002	.24734	.83955
#1	.02199	.88095	5.7409	.11909
#2	.01956	.87762	5.7197	.11735
#3	.02241	.88028	5.7466	.11740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090736 Acquired: 4/6/2011 23:06:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31768.**	**30239.**
Stddev	32.	187.
%RSD	.10057	.61764
#1	31749.	30157.
#2	31805.	30107.
#3	31749.	30453.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:10:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42404**	**9.8352**	**.41866**	**.52358**	**.99035**	**.05123**	**9.8327**
Stddev	.00396	.0127	.00236	.00049	.00282	.00014	.0116
%RSD	.93396	.12936	.56322	.09394	.28515	.28129	.11810
#1	.42278	9.8492	.42125	.52389	.98741	.05137	9.8200
#2	.42848	9.8319	.41663	.52384	.99059	.05122	9.8354
#3	.42087	9.8244	.41809	.52302	.99305	.05108	9.8428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05319**	**.21402**	**.51872**	**.53686**	**4.0290**	**50.168**	**1.0026**
Stddev	.00001	.00015	.00268	.00030	.0055	.132	.0022
%RSD	.01989	.06983	.51750	.05609	.13602	.26303	.22162
#1	.05318	.21419	.52176	.53667	4.0231	50.018	1.0003
#2	.05320	.21392	.51773	.53670	4.0300	50.266	1.0047
#3	.05320	.21395	.51667	.53720	4.0339	50.220	1.0029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.281**	**.51448**	**.99636**	**49.220**	**.52483**	F **-.00045**	**.53624**
Stddev	.029	.00093	.00114	.068	.00071	.00253	.00223
%RSD	.27979	.18071	.11466	.13815	.13520	562.95	.41590
#1	10.248	.51476	.99549	49.213	.52418	.00246	.53702
#2	10.298	.51344	.99765	49.292	.52472	-.00176	.53372
#3	10.298	.51523	.99593	49.156	.52558	-.00205	.53798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:10:03 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2007**	**10.883**	F **-4.9823**	**1.2920**	**.41868**	F **.01600**	**1.0645**
Stddev	11.583	.005	7.7131	.0037	.00120	.00060	.0008
%RSD	964.68	.04289	154.81	.28709	.28590	3.7655	.07093
#1	-11.826	10.886	-.56027	1.2930	.41748	.01639	1.0640
#2	10.339	10.877	-13.889	1.2879	.41867	.01531	1.0640
#3	5.0897	10.884	-.4980	1.2951	.41987	.01631	1.0653
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99225**	**1.0193**	**.53842**	**1.0374**	**1.0342**	F **.00077**
Stddev	.00125	.0022	.00146	.0030	.0013	.00011
%RSD	.12597	.21595	.27049	.28794	.12200	14.919
#1	.99158	1.0170	.53689	1.0374	1.0335	.00071
#2	.99369	1.0193	.53858	1.0404	1.0356	.00070
#3	.99148	1.0214	.53979	1.0344	1.0334	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32571.**	**26523.**
Stddev	26.	78.
%RSD	.08081	.29520
#1	32577.	26565.
#2	32543.	26572.
#3	32594.	26433.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:13:26 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.01342**	**-.00052**	**-.00206**	**-.00022**	**.00004**	**.01071**
Stddev	.00082	.01238	.00157	.00059	.00003	.00001	.00991
%RSD	356.93	92.300	301.83	28.758	12.708	17.739	92.547
#1	-.00059	-.01383	.00122	-.00138	-.00023	.00004	.00773
#2	.00071	-.02559	-.00094	-.00234	-.00019	.00005	.00263
#3	-.00081	-.00083	-.00184	-.00246	-.00025	.00004	.02177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00003**	**-.00035**	**.00136**	**.01011**	**.17702**	**.00110**
Stddev	.00005	.00003	.00009	.00045	.00274	.03730	.00066
%RSD	248.34	88.062	26.773	33.069	27.121	21.073	59.674
#1	-.00003	.00001	-.00045	.00101	.00728	.16793	.00085
#2	.00008	.00002	-.00035	.00187	.01275	.21803	.00184
#3	.00001	.00006	-.00026	.00121	.01030	.14510	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00922**	**.00017**	**.00003**	**.03064**	**-.00024**	**-.00222**	**-.00060**
Stddev	.01171	.00031	.00006	.00455	.00037	.00118	.00043
%RSD	126.98	185.67	218.39	14.847	152.16	53.083	72.413
#1	-.00335	.00037	.00007	.02589	-.00049	-.00086	-.00102
#2	.01981	.00032	-.00004	.03496	.00018	-.00283	-.00016
#3	.01120	-.00019	.00005	.03107	-.00041	-.00297	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:13:26 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **3.9791**	F **.18393**	F **-30.811**	**.00006**	**.00070**	**.00164**	**-.00003**
Stddev	11.251	.01169	3.810	.00085	.00051	.00018	.00025
%RSD	282.76	6.3545	12.367	1477.9	73.552	11.028	873.16
#1	-6.4892	.17628	-34.653	.00090	.00027	.00165	-.00029
#2	2.5499	.17812	-27.034	-.00080	.00126	.00146	.00021
#3	15.877	.19738	-30.746	.00007	.00056	.00182	.00000
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00032**	**-.00029**	**-.00010**	**.00107**	**.00000**
Stddev	.00003	.00045	.00120	.00033	.00002	.00007
%RSD	61.418	139.51	414.66	325.28	1.5079	10771.
#1	-.00004	.00080	-.00143	.00023	.00105	.00006
#2	-.00003	-.00008	.00096	-.00012	.00108	.00002
#3	-.00010	.00024	-.00039	-.00042	.00107	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33236.**	**26482.**
Stddev	56.	125.
%RSD	.16800	.47247
#1	33172.	26355.
#2	33268.	26486.
#3	33269.	26606.

Approved: April 07, 2011

Sample Name: L1103090737 Acquired: 4/6/2011 23:17:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01587**	**159.90**	**.68910**	**.31602**	**2.0691**	**.01151**
Stddev	.00051	.53	.00333	.00543	.0045	.00004
%RSD	3.2086	.33384	.48307	1.7176	.21661	.36379
#1	.01544	159.93	.68589	.31003	2.0696	.01155
#2	.01643	160.41	.68888	.32062	2.0734	.01146
#3	.01574	159.35	.69254	.31740	2.0644	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**508.12**	**.03129**	**.17643**	**.81843**	**36.666**	**368.55**
Stddev	5.81	.00018	.00098	.00127	.182	7.85
%RSD	1.1437	.58112	.55327	.15473	.49745	2.1304
#1	501.89	.03119	.17569	.81780	36.542	360.68
#2	513.39	.03118	.17605	.81760	36.579	376.38
#3	509.08	.03150	.17753	.81989	36.875	368.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**44.500**	**.44788**	**110.55**	**7.6288**	**.09584**	**31.225**
Stddev	.098	.00163	.57	.0227	.00017	.079
%RSD	.21998	.36365	.51289	.29750	.17689	.25386
#1	44.463	.44929	109.99	7.6152	.09565	31.224
#2	44.612	.44826	111.12	7.6550	.09588	31.305
#3	44.427	.44610	110.54	7.6162	.09599	31.146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090737 Acquired: 4/6/2011 23:17:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28585**	**20.361**	**1.1212**	F **97.282**	F **1171.3**	F **-151400.**
Stddev	.00111	.058	.0041	5.746	7.8	346.
%RSD	.38744	.28499	.36544	5.9062	.66418	.22881
#1	.28499	20.326	1.1178	103.27	1164.9	-151130.
#2	.28546	20.329	1.1201	96.769	1169.0	-151300.
#3	.28710	20.428	1.1257	91.809	1179.9	-151790.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03789**	**.01810**	**2.6318**	**.56821**	**1.6462**	**.61750**
Stddev	.00132	.00083	.0091	.00222	.0070	.00236
%RSD	3.4926	4.5896	.34615	.38988	.42440	.38206
#1	.03942	.01721	2.6225	.56567	1.6499	.61779
#2	.03714	.01885	2.6321	.56922	1.6506	.61970
#3	.03712	.01825	2.6407	.56973	1.6381	.61501
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01507**	**.65663**	**2.7079**	**.11225**
Stddev	.00100	.00483	.0085	.00061
%RSD	6.6228	.73490	.31383	.54603
#1	.01455	.66092	2.7048	.11202
#2	.01443	.65141	2.7013	.11178
#3	.01622	.65755	2.7175	.11294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090737 Acquired: 4/6/2011 23:17:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31598.**	**29308.**
Stddev	58.	172.
%RSD	.18511	.58761
#1	31579.	29384.
#2	31663.	29111.
#3	31551.	29429.

Approved: April 07, 2011

Sample Name: L1103090738 Acquired: 4/6/2011 23:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03196**	**206.50**	**1.2225**	**.70179**	**1.6877**	**.01631**
Stddev	.00073	1.00	.0028	.00814	.0031	.00011
%RSD	2.2941	.48225	.22979	1.1598	.18501	.69887
#1	.03278	206.24	1.2255	.69276	1.6912	.01644
#2	.03137	207.61	1.2222	.70857	1.6870	.01626
#3	.03173	205.67	1.2199	.70403	1.6850	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**596.40**	**.05079**	**.29919**	**.48928**	**112.23**	F **1086.3**
Stddev	10.63	.00012	.00113	.00324	.41	11.6
%RSD	1.7821	.23512	.37841	.66252	.36617	1.0662
#1	585.20	.05074	.30004	.49300	112.60	1073.3
#2	606.35	.05093	.29962	.48708	111.79	1095.5
#3	597.64	.05071	.29790	.48775	112.29	1090.1
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						900.00
Low Limit						-.02000

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.583**	**.83769**	**117.03**	**9.9628**	**.21827**	**70.313**
Stddev	.086	.00106	.42	.0099	.00005	.335
%RSD	.29124	.12679	.35644	.09977	.02138	.47633
#1	29.554	.83778	116.62	9.9548	.21832	70.199
#2	29.679	.83871	117.02	9.9598	.21822	70.690
#3	29.514	.83659	117.45	9.9739	.21827	70.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090738 Acquired: 4/6/2011 23:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40284**	**42.335**	**2.4386**	F **88.091**	F **8140.6**	F **-1817e3**
Stddev	.00150	.075	.0033	7.447	58.8	2047.
%RSD	.37184	.17657	.13446	8.4535	.72237	.11270
#1	.40456	42.415	2.4421	90.999	8200.8	-1819e3
#2	.40191	42.320	2.4382	93.645	8137.7	-1817e3
#3	.40203	42.268	2.4356	79.629	8083.3	-1815e3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18862**	**.07513**	**11.121**	**9.2736**	**2.8608**	**.56517**
Stddev	.00087	.00316	.020	.0157	.0110	.00272
%RSD	.46120	4.2012	.18177	.16920	.38576	.48165
#1	.18942	.07546	11.136	9.2888	2.8636	.56232
#2	.18769	.07182	11.128	9.2745	2.8702	.56547
#3	.18874	.07811	11.098	9.2575	2.8486	.56774
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.04301**	**1.6539**	**5.0192**	**.05283**
Stddev	.00068	.0085	.0050	.00021
%RSD	1.5847	.51407	.09942	.39342
#1	.04367	1.6638	5.0245	.05259
#2	.04231	1.6489	5.0184	.05294
#3	.04306	1.6492	5.0146	.05295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090738 Acquired: 4/6/2011 23:20:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31035.**	**30010.**
Stddev	108.	34.
%RSD	.34733	.11418
#1	30915.	30047.
#2	31066.	29980.
#3	31125.	30001.

Approved: April 07, 2011

Sample Name: L1103090739 Acquired: 4/6/2011 23:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01311**	**119.05**	**.62382**	**.22138**	**1.3768**	**.00871**	**299.02**
Stddev	.00015	.31	.00292	.00083	.0000	.00003	2.43
%RSD	1.1510	.26187	.46732	.37584	.00307	.33883	.81186
#1	.01294	119.35	.62715	.22063	1.3768	.00874	296.31
#2	.01324	118.73	.62263	.22125	1.3767	.00870	301.00
#3	.01314	119.06	.62170	.22228	1.3768	.00869	299.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01924**	**.15078**	**.36330**	**31.878**	**327.82**	**30.189**	**.30122**
Stddev	.00003	.00042	.00228	.061	1.84	.069	.00037
%RSD	.16602	.27788	.62875	.19179	.56064	.22711	.12412
#1	.01924	.15125	.36561	31.948	326.01	30.265	.30087
#2	.01927	.15045	.36104	31.849	327.76	30.132	.30119
#3	.01921	.15064	.36325	31.836	329.68	30.169	.30161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**90.108**	**6.3140**	**.05834**	**9.4810**	**.25124**	**13.887**	**1.0041**
Stddev	.002	.0052	.00050	.0362	.00121	.028	.0024
%RSD	.00194	.08296	.86431	.38224	.48296	.20301	.23898
#1	90.109	6.3157	.05837	9.5216	.25229	13.918	1.0069
#2	90.109	6.3182	.05883	9.4521	.25152	13.879	1.0030
#3	90.106	6.3081	.05782	9.4692	.24991	13.864	1.0026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090739 Acquired: 4/6/2011 23:24:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **77.871**	F **684.65**	F **-87204.**	**.03640**	**.01842**	**3.1321**	**.33427**
Stddev	11.600	1.68	230.	.00253	.00255	.0063	.00093
%RSD	14.896	.24556	.26407	6.9383	13.861	.20038	.27735
#1	67.397	686.50	-87465.	.03759	.01958	3.1374	.33460
#2	75.877	684.24	-87118.	.03811	.02018	3.1339	.33322
#3	90.338	683.22	-87030.	.03350	.01549	3.1252	.33499
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0418**	**.51235**	**.01539**	**.62798**	**1.8770**	**.06949**
Stddev	.0030	.00132	.00074	.00240	.0008	.00015
%RSD	.28422	.25683	4.7930	.38156	.04371	.21822
#1	1.0448	.51366	.01576	.62732	1.8776	.06951
#2	1.0389	.51103	.01454	.62599	1.8761	.06933
#3	1.0416	.51236	.01586	.63064	1.8774	.06964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31975.**	**28822.**
Stddev	37.	212.
%RSD	.11566	.73711
#1	31983.	28667.
#2	32007.	28734.
#3	31935.	29064.

Approved: April 07, 2011

Sample Name: L1103090740 Acquired: 4/6/2011 23:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04252**	**175.48**	**.71651**	**.27946**	**2.2122**	**.01284**
Stddev	.00021	1.01	.00115	.00400	.0106	.00004
%RSD	.48432	.57501	.15986	1.4315	.48120	.28649
#1	.04230	176.54	.71520	.28195	2.2183	.01280
#2	.04257	174.53	.71704	.27485	2.1999	.01288
#3	.04270	175.38	.71730	.28158	2.2183	.01283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**551.12**	**.04562**	**.23147**	**.25314**	**120.34**	**453.93**
Stddev	9.91	.00014	.00065	.00065	1.02	6.44
%RSD	1.7977	.30572	.27896	.25681	.85166	1.4184
#1	554.18	.04578	.23156	.25244	120.98	458.87
#2	540.05	.04557	.23207	.25373	120.87	446.65
#3	559.14	.04551	.23079	.25325	119.15	456.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.585**	**.54453**	**103.18**	**8.5083**	**.13578**	**10.251**
Stddev	.163	.00437	.52	.0169	.00025	.048
%RSD	.47247	.80191	.50709	.19822	.18430	.46333
#1	34.720	.54621	103.50	8.5276	.13549	10.305
#2	34.404	.53957	102.58	8.4964	.13589	10.216
#3	34.632	.54781	103.47	8.5009	.13596	10.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090740 Acquired: 4/6/2011 23:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37676**	**13.764**	**1.3096**	F **95.238**	F **1409.5**	F **-191960.**
Stddev	.00061	.009	.0022	5.457	2.5	75.
%RSD	.16315	.06709	.17217	5.7299	.17999	.03923
#1	.37676	13.772	1.3093	89.466	1408.6	-191960.
#2	.37738	13.765	1.3119	100.31	1412.4	-191880.
#3	.37615	13.754	1.3074	95.934	1407.6	-192030.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05821**	**.06865**	**4.6197**	**1.0022**	**1.5950**	**.48503**
Stddev	.00018	.00137	.0047	.0016	.0067	.00112
%RSD	.31720	1.9902	.10092	.16009	.41774	.23013
#1	.05820	.07014	4.6203	1.0024	1.6025	.48612
#2	.05841	.06839	4.6241	1.0036	1.5925	.48507
#3	.05804	.06744	4.6148	1.0005	1.5899	.48389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01540**	**.65049**	**3.6419**	**.12948**
Stddev	.00067	.00124	.0036	.00032
%RSD	4.3299	.19028	.09793	.24526
#1	.01550	.64974	3.6447	.12982
#2	.01602	.65191	3.6431	.12943
#3	.01469	.64980	3.6379	.12919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090740 Acquired: 4/6/2011 23:28:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31852.**	**29683.**
Stddev	70.	437.
%RSD	.22040	1.4715
#1	31809.	29228.
#2	31814.	30100.
#3	31933.	29721.

Approved: April 07, 2011

Sample Name: L1103090741 Acquired: 4/6/2011 23:31:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00688**	**105.95**	**.19841**	**.26493**	**2.6083**	**.00884**
Stddev	.00018	.62	.00112	.00082	.0150	.00001
%RSD	2.6490	.58777	.56657	.30785	.57585	.11335
#1	.00694	105.25	.19827	.26581	2.5943	.00885
#2	.00702	106.18	.19736	.26420	2.6065	.00883
#3	.00667	106.43	.19960	.26478	2.6242	.00885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**470.57**	**.00986**	**.09966**	**.20050**	**5.7284**	**198.10**
Stddev	9.23	.00003	.00053	.00095	.0153	.68
%RSD	1.9605	.30498	.53019	.47420	.26686	.34460
#1	465.26	.00989	.10017	.20148	5.7408	197.37
#2	481.22	.00983	.09911	.19958	5.7113	198.20
#3	465.23	.00985	.09970	.20044	5.7331	198.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.342**	**.25565**	**96.273**	**4.1902**	**.04271**	**38.662**
Stddev	.185	.00104	.260	.0105	.00002	.168
%RSD	.52469	.40833	.26954	.25116	.05556	.43378
#1	35.136	.25521	95.996	4.1787	.04269	38.468
#2	35.395	.25490	96.510	4.1926	.04270	38.747
#3	35.495	.25684	96.315	4.1994	.04274	38.770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090741 Acquired: 4/6/2011 23:31:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17243**	**12.271**	**.73010**	F **82.109**	F **1337.7**	F **-200100.**
Stddev	.00014	.029	.00438	7.595	6.9	233.
%RSD	.08034	.23441	.59937	9.2503	.51838	.11654
#1	.17233	12.300	.73509	75.920	1343.1	-200240.
#2	.17236	12.243	.72691	90.585	1329.9	-199830.
#3	.17259	12.271	.72830	79.821	1340.0	-200230.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01143**	**.00818**	**2.1242**	**.05627**	**1.8087**	**.65223**
Stddev	.00093	.00159	.0057	.00052	.0092	.00273
%RSD	8.1271	19.461	.27018	.92242	.50688	.41922
#1	.01041	.00844	2.1265	.05568	1.7994	.64962
#2	.01223	.00962	2.1284	.05653	1.8088	.65200
#3	.01167	.00647	2.1177	.05662	1.8178	.65507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00835**	**.36004**	**1.1404**	**.10279**
Stddev	.00085	.00015	.0013	.00041
%RSD	10.208	.04270	.11212	.40268
#1	.00933	.36000	1.1419	.10327
#2	.00779	.35992	1.1399	.10252
#3	.00792	.36021	1.1395	.10259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090741 Acquired: 4/6/2011 23:31:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31751.**	**29063.**
Stddev	80.	233.
%RSD	.25188	.80162
#1	31660.	28953.
#2	31809.	28906.
#3	31783.	29331.

Approved: April 07, 2011

Sample Name: L1103090741S Acquired: 4/6/2011 23:35:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19952**	**112.03**	**.38913**	**.27676**	**2.7369**	**.00915**
Stddev	.00190	.43	.00058	.00044	.0063	.00002
%RSD	.95197	.38031	.15029	.15788	.22849	.24051
#1	.19750	111.91	.38883	.27681	2.7302	.00913
#2	.19978	112.51	.38875	.27716	2.7425	.00914
#3	.20127	111.69	.38980	.27630	2.7380	.00917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**463.87**	**.03419**	**.10216**	**.21674**	**6.1044**	**215.01**
Stddev	7.69	.00013	.00058	.00089	.0280	.49
%RSD	1.6587	.38924	.56316	.40935	.45868	.22842
#1	461.93	.03405	.10150	.21578	6.0758	214.62
#2	472.35	.03430	.10244	.21692	6.1056	215.56
#3	457.33	.03423	.10255	.21753	6.1318	214.84
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.826**	**.26344**	**99.534**	**4.4518**	**.04548**	**38.685**
Stddev	.069	.00026	.294	.0050	.00031	.129
%RSD	.18648	.09811	.29489	.11150	.68105	.33394
#1	36.774	.26343	99.464	4.4518	.04529	38.729
#2	36.904	.26319	99.856	4.4568	.04584	38.786
#3	36.800	.26370	99.281	4.4469	.04531	38.539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090741S Acquired: 4/6/2011 23:35:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18161**	**12.797**	**.97064**	F **80.836**	F **1374.8**	F **-207520.**
Stddev	.00049	.028	.00222	5.983	9.4	288.
%RSD	.26708	.21909	.22910	7.4014	.68325	.13888
#1	.18122	12.768	.96807	76.690	1364.6	-207190.
#2	.18145	12.800	.97202	78.123	1376.6	-207660.
#3	.18215	12.823	.97183	87.695	1383.1	-207710.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**.01024**	**3.5413**	**.03139**	**1.8038**	**.72067**
Stddev	.00071	.00135	.0088	.00036	.0043	.00071
%RSD	6.3003	13.192	.24898	1.1430	.23990	.09797
#1	.01070	.00962	3.5315	.03115	1.8067	.71985
#2	.01209	.00930	3.5440	.03181	1.8059	.72111
#3	.01112	.01178	3.5485	.03123	1.7988	.72104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00854**	**.39309**	**1.1849**	**.10514**
Stddev	.00156	.00165	.0031	.00030
%RSD	18.225	.41974	.26343	.28269
#1	.00998	.39155	1.1817	.10480
#2	.00689	.39288	1.1852	.10530
#3	.00876	.39483	1.1879	.10532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090741S Acquired: 4/6/2011 23:35:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31634.**	**28718.**
Stddev	90.	346.
%RSD	.28564	1.2056
#1	31736.	28518.
#2	31601.	28519.
#3	31565.	29118.

Approved: April 07, 2011

Sample Name: L1103090741SD Acquired: 4/6/2011 23:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23069**	**99.933**	**.38958**	**.26203**	**2.5298**	**.00897**
Stddev	.00194	.581	.00103	.00045	.0046	.00001
%RSD	.83924	.58138	.26443	.17149	.18373	.14871
#1	.22847	99.859	.38840	.26254	2.5346	.00897
#2	.23202	100.55	.39033	.26169	2.5296	.00896
#3	.23158	99.393	.39000	.26187	2.5253	.00899
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**464.47**	**.03396**	**.10006**	**.19641**	**5.9705**	**193.78**
Stddev	5.80	.00006	.00011	.00059	.0055	.58
%RSD	1.2481	.19038	.10967	.30218	.09174	.29746
#1	463.14	.03400	.10015	.19575	5.9650	194.32
#2	470.81	.03398	.10008	.19660	5.9759	193.85
#3	459.45	.03388	.09994	.19689	5.9707	193.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.894**	**.24737**	**93.617**	**4.4350**	**.04304**	**38.584**
Stddev	.111	.00050	.324	.0110	.00018	.204
%RSD	.32756	.20371	.34602	.24851	.42336	.52806
#1	33.902	.24708	93.635	4.4318	.04293	38.495
#2	34.001	.24795	93.932	4.4473	.04295	38.817
#3	33.779	.24708	93.285	4.4259	.04325	38.440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090741SD Acquired: 4/6/2011 23:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17151**	**12.575**	**.94220**	F **83.320**	F **1361.4**	F **-200780.**
Stddev	.00019	.005	.00175	3.659	3.0	87.
%RSD	.11263	.03781	.18571	4.3917	.22117	.04322
#1	.17156	12.570	.94222	81.266	1358.7	-200810.
#2	.17168	12.578	.94044	81.148	1364.7	-200840.
#3	.17130	12.578	.94394	87.544	1360.8	-200680.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.00988**	**2.9671**	**.03044**	**1.7941**	**.61647**
Stddev	.00041	.00289	.0039	.00014	.0062	.00177
%RSD	3.6913	29.246	.13121	.44977	.34333	.28665
#1	.01067	.00889	2.9642	.03052	1.7910	.61568
#2	.01123	.01313	2.9716	.03029	1.8012	.61849
#3	.01147	.00762	2.9656	.03053	1.7901	.61523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.00850**	**.36162**	**1.1541**	**.09327**
Stddev	.00058	.00086	.0025	.00027
%RSD	6.8041	.23659	.21783	.29126
#1	.00903	.36070	1.1521	.09356
#2	.00859	.36176	1.1533	.09325
#3	.00788	.36240	1.1569	.09301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090741SD Acquired: 4/6/2011 23:38:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360471-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31577.**	**28903.**
Stddev	14.	335.
%RSD	.04452	1.1581
#1	31592.	28740.
#2	31565.	28680.
#3	31573.	29288.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:42:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42039**	**9.8525**	**.41694**	**.51985**	**.99040**	**.05102**	**9.8667**
Stddev	.00264	.0498	.00082	.00132	.00141	.00005	.0307
%RSD	.62759	.50507	.19762	.25415	.14206	.10756	.31083
#1	.42207	9.8946	.41776	.52027	.98898	.05100	9.8839
#2	.42176	9.8654	.41695	.52091	.99179	.05108	9.8849
#3	.41735	9.7976	.41611	.51837	.99043	.05097	9.8313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05256**	**.21250**	**.51672**	**.52960**	**4.0123**	**50.193**	**1.0007**
Stddev	.00019	.00061	.00039	.00219	.0154	.113	.0008
%RSD	.36341	.28597	.07454	.41372	.38400	.22429	.08156
#1	.05275	.21304	.51630	.53130	4.0064	50.217	.99994
#2	.05257	.21263	.51679	.53036	4.0298	50.291	1.0007
#3	.05237	.21184	.51706	.52713	4.0007	50.070	1.0016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.239**	**.51185**	**.98770**	**49.320**	**.51959**	F **-.00141**	**.53202**
Stddev	.016	.00084	.00076	.100	.00101	.00135	.00310
%RSD	.15481	.16484	.07664	.20311	.19504	96.393	.58190
#1	10.222	.51091	.98818	49.396	.52032	-.00038	.53317
#2	10.254	.51254	.98810	49.358	.52003	-.00294	.53438
#3	10.241	.51209	.98683	49.206	.51844	-.00089	.52852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/6/2011 23:42:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **16.167**	**10.715**	F **2.6724**	**1.2859**	**.41798**	F **.01641**	**1.0571**
Stddev	2.605	.034	6.2435	.0039	.00278	.00025	.0025
%RSD	16.114	.31504	233.63	.30353	.66527	1.5483	.23481
#1	13.214	10.716	6.0254	1.2840	.41773	.01654	1.0592
#2	18.140	10.749	-4.5313	1.2903	.42088	.01657	1.0578
#3	17.147	10.682	6.5229	1.2833	.41533	.01612	1.0543
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99571**	**1.0189**	**.53492**	**1.0285**	**1.0241**	F **.00074**
Stddev	.00152	.0019	.00409	.0022	.0022	.00006
%RSD	.15298	.19084	.76467	.20891	.21991	7.7242
#1	.99700	1.0168	.53605	1.0281	1.0264	.00079
#2	.99609	1.0195	.53833	1.0308	1.0238	.00068
#3	.99403	1.0206	.53038	1.0265	1.0219	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32806.**	**26896.**
Stddev	26.	109.
%RSD	.07808	.40467
#1	32817.	26910.
#2	32777.	26781.
#3	32824.	26998.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:45:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.01504**	**-.00109**	**-.00216**	**-.00035**	**.00004**	**.00249**
Stddev	.00062	.00374	.00022	.00023	.00015	.00001	.00150
%RSD	226.58	24.884	19.998	10.767	42.981	22.277	60.355
#1	.00040	-.01101	-.00107	-.00232	-.00028	.00003	.00169
#2	-.00040	-.01841	-.00088	-.00189	-.00052	.00005	.00156
#3	.00083	-.01570	-.00131	-.00227	-.00024	.00004	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00013**	**-.00040**	**-.00048**	**-.00054**	**.17030**	**.00143**
Stddev	.0001	.00021	.00012	.00026	.00210	.00664	.00055
%RSD	3203.6	159.56	30.980	53.104	390.13	3.8992	38.427
#1	.00010	-.00015	-.00051	-.00022	-.00288	.17761	.00182
#2	-.00013	.00009	-.00042	-.00050	.00116	.16464	.00168
#3	.00002	-.00033	-.00026	-.00073	.00011	.16865	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00437**	**-.00014**	**.00011**	**.02500**	**.00031**	**-.00282**	**-.00082**
Stddev	.00539	.00038	.00011	.00961	.00021	.00200	.00099
%RSD	123.41	279.56	95.359	38.422	67.342	70.744	120.30
#1	-.00132	-.00056	.00003	.03517	.00053	-.00314	.00030
#2	.00939	-.00001	.00007	.02377	.00028	-.00464	-.00155
#3	.00503	.00016	.00023	.01607	.00012	-.00068	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/6/2011 23:45:48 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **21.242**	F **.11827**	F **-29.338**	**.00065**	**.00127**	**.00121**	**.00000**
Stddev	4.459	.04260	3.675	.00107	.00237	.00044	.0001
%RSD	20.991	36.017	12.526	165.34	186.78	36.701	3884.8
#1	17.193	.14784	-32.603	.00185	.00178	.00156	-.00012
#2	20.512	.13753	-30.054	.00030	.00335	.00135	.00010
#3	26.020	.06945	-25.358	-.00021	-.00132	.00071	.00002
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00039**	**-.00078**	**-.00018**	**.00099**	**.00005**
Stddev	.00006	.00043	.00090	.00036	.00002	.00001
%RSD	203.15	110.18	114.61	195.79	2.3637	28.444
#1	.00001	.00030	.00025	.00010	.00099	.00003
#2	.00000	.00001	-.00122	-.00007	.00097	.00006
#3	-.00011	.00087	-.00138	-.00058	.00101	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33258.**	**26536.**
Stddev	73.	250.
%RSD	.21877	.94332
#1	33327.	26299.
#2	33265.	26798.
#3	33182.	26512.

Approved: April 07, 2011

Sample Name: PBS A9 Acquired: 4/6/2011 23:49:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.02193**	**-.00157**	**-.00241**	**.00079**	**.00005**	**.05932**
Stddev	.00036	.00704	.00105	.00050	.00019	.00001	.00247
%RSD	115.68	32.103	66.971	20.718	24.368	11.978	4.1654
#1	.00038	-.02247	-.00172	-.00273	.00100	.00005	.06161
#2	-.00008	-.02868	-.00255	-.00183	.00065	.00005	.05964
#3	.00064	-.01463	-.00045	-.00266	.00070	.00004	.05670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00027**	**.00068**	**.00018**	**.01901**	**.37320**	**.00047**
Stddev	.00009	.00024	.00017	.00032	.00202	.04479	.00008
%RSD	64.750	87.260	24.590	179.84	10.646	12.002	16.966
#1	.00015	.00000	.00051	.00013	.01961	.36862	.00044
#2	.00024	-.00041	.00084	-.00012	.01676	.33087	.00041
#3	.00005	-.00041	.00070	.00052	.02067	.42010	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02521**	**.00025**	**.00009**	**.05204**	**.00067**	F **-.01051**	**-.00015**
Stddev	.00864	.00023	.00015	.00514	.00014	.00139	.00060
%RSD	34.291	92.662	173.21	9.8788	21.478	13.186	392.34
#1	.03510	.00005	.00022	.05795	.00058	-.01191	.00047
#2	.01911	.00019	-.00008	.04951	.00059	-.00913	-.00019
#3	.02142	.00049	.00013	.04865	.00083	-.01050	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: PBS A9 Acquired: 4/6/2011 23:49:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **25.965**	**5.2849**	F **-1209.6**	**.00142**	**.00253**	**.00905**	**.00034**
Stddev	12.958	.0479	4.3	.00161	.00080	.00019	.00006
%RSD	49.904	.90720	.35782	113.64	31.547	2.1166	16.641
#1	36.370	5.2921	-1209.1	.00214	.00234	.00908	.00029
#2	30.075	5.3288	-1214.1	-.00043	.00185	.00923	.00040
#3	11.451	5.2337	-1205.5	.00255	.00341	.00885	.00034
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00090**	**-.00100**	**-.00014**	**.00292**	**.00002**
Stddev	.00006	.00026	.00039	.00014	.00003	.00006
%RSD	58.714	29.307	38.551	98.491	.99086	303.30
#1	.00003	.00104	-.00116	-.00007	.00296	-.00003
#2	.00015	.00105	-.00129	-.00030	.00290	.00008
#3	.00013	.00059	-.00056	-.00005	.00291	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32918.**	**26828.**
Stddev	69.	113.
%RSD	.20863	.42129
#1	32846.	26862.
#2	32983.	26702.
#3	32925.	26920.

Approved: April 07, 2011

Sample Name: LCSS A9 Acquired: 4/6/2011 23:53:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19309**	**-.02267**	**.19363**	**-.00248**	**.00072**	**.00004**	**.02449**
Stddev	.00106	.01329	.00093	.00044	.00009	.00001	.00537
%RSD	.55052	58.615	.48286	17.857	12.352	18.793	21.920
#1	.19391	-.03575	.19466	-.00274	.00076	.00004	.02165
#2	.19189	-.02309	.19340	-.00197	.00078	.00005	.03068
#3	.19348	-.00918	.19283	-.00273	.00062	.00003	.02114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02498**	**-.00029**	**.00058**	**.26141**	**.01659**	**.09671**	**.00055**
Stddev	.00017	.00017	.00008	.00155	.00128	.04552	.00032
%RSD	.68623	59.313	13.273	.59337	7.6898	47.073	58.696
#1	.02510	-.00026	.00066	.26320	.01720	.06308	.00065
#2	.02478	-.00014	.00056	.26059	.01512	.07854	.00019
#3	.02505	-.00047	.00051	.26044	.01745	.14851	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01210**	**.26092**	**.00005**	**.03883**	**.00058**	F **-.01030**	**.26815**
Stddev	.00562	.00210	.00003	.00480	.00032	.00265	.00108
%RSD	46.432	.80600	64.607	12.349	54.959	25.783	.40350
#1	.01037	.26003	.00002	.03588	.00052	-.01221	.26820
#2	.00755	.25942	.00004	.04436	.00093	-.01142	.26704
#3	.01838	.26333	.00008	.03624	.00030	-.00727	.26920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: April 07, 2011

Sample Name: LCSS A9 Acquired: 4/6/2011 23:53:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **31.136**	**.14000**	F **-23.652**	**.00153**	**.00302**	**.00827**	**.00018**
Stddev	1.001	.02311	2.786	.00098	.00332	.00065	.00018
%RSD	3.2158	16.504	11.778	63.884	109.89	7.8466	98.472
#1	30.659	.11439	-26.331	.00073	.00549	.00853	.00007
#2	30.462	.14634	-23.854	.00123	.00432	.00753	.00009
#3	32.286	.15928	-20.771	.00262	-.00075	.00875	.00039
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00108**	**-.00163**	**-.00013**	**.00294**	**.00007**
Stddev	.00002	.00030	.00026	.00005	.00006	.00002
%RSD	76.814	28.033	15.730	36.086	1.9657	30.717
#1	-.00002	.00121	-.00191	-.00007	.00294	.00005
#2	-.00002	.00131	-.00142	-.00015	.00300	.00009
#3	-.00006	.00074	-.00155	-.00015	.00288	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33017.**	**26786.**
Stddev	14.	206.
%RSD	.04174	.76781
#1	33011.	26660.
#2	33008.	27023.
#3	33033.	26674.

Approved: April 07, 2011

Sample Name: L1103090742 Acquired: 4/6/2011 23:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03104**	**198.74**	**.21357**	**.31966**	**3.2233**	^ *****
Stddev	.00053	.10	.00105	.00129	.0047	-----
%RSD	1.6953	.04847	.49350	.40458	.14682	-----
#1	.03123	198.64	.21367	.32107	3.2228	^ -----
#2	.03044	198.75	.21247	.31937	3.2283	^ -----
#3	.03144	198.84	.21457	.31854	3.2189	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**526.27**	**.01048**	**.12414**	**.27290**	**9.2184**	**293.84**
Stddev	3.21	.00005	.00022	.00087	.0221	.27
%RSD	.60906	.49240	.17871	.31827	.23929	.09299
#1	523.27	.01054	.12398	.27335	9.2181	294.13
#2	525.89	.01046	.12406	.27345	9.1965	293.78
#3	529.65	.01044	.12440	.27190	9.2406	293.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.756**	**.35855**	**133.54**	**5.0029**	**.06031**	**30.673**
Stddev	.084	.00048	.28	.0047	.00027	.059
%RSD	.16880	.13432	.20605	.09346	.45345	.19162
#1	49.662	.35910	133.31	4.9987	.06014	30.651
#2	49.823	.35831	133.85	5.0079	.06063	30.629
#3	49.782	.35824	133.47	5.0021	.06017	30.740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090742 Acquired: 4/6/2011 23:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22532**	**11.964**	**.89339**	F **83.090**	F **1033.0**	F **-115490.**
Stddev	.00089	.033	.00194	13.226	2.1	138.
%RSD	.39432	.27686	.21747	15.917	.20279	.11926
#1	.22436	11.960	.89337	97.733	1033.1	-115370.
#2	.22552	11.934	.89146	72.013	1030.9	-115470.
#3	.22610	12.000	.89534	79.523	1035.1	-115640.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.01177**	**1.1200**	**.04475**	**2.0334**	**4.2418**
Stddev	.00036	.00130	.0026	.00027	.0020	.0004
%RSD	3.4640	11.009	.23524	.60075	.09899	.00845
#1	.01014	.01028	1.1202	.04461	2.0328	4.2422
#2	.01087	.01262	1.1173	.04459	2.0317	4.2418
#3	.01059	.01241	1.1225	.04506	2.0356	4.2415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01852**	**.56455**	**1.3009**	**.16845**
Stddev	.00191	.00260	.0004	.00071
%RSD	10.289	.46038	.02984	.42080
#1	.01997	.56690	1.3013	.16875
#2	.01922	.56500	1.3007	.16896
#3	.01636	.56176	1.3006	.16764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090742 Acquired: 4/6/2011 23:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31712.**	**28731.**
Stddev	36.	45.
%RSD	.11491	.15682
#1	31670.	28730.
#2	31729.	28687.
#3	31736.	28777.

Approved: April 07, 2011

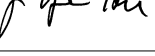
Sample Name: L1103090742PS Acquired: 4/7/2011 0:00:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360991-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23748**	**183.37**	**.39620**	**1.2303**	**3.3680**	**.02940**
Stddev	.00129	.50	.00177	.0061	.0008	.00005
%RSD	.54503	.27181	.44596	.49270	.02257	.16405
#1	.23852	183.87	.39809	1.2372	3.3673	.02942
#2	.23603	182.87	.39459	1.2280	3.3679	.02943
#3	.23788	183.36	.39593	1.2257	3.3688	.02934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**477.78**	**.03467**	**.20948**	**.48860**	**8.6261**	**265.78**
Stddev	2.94	.00014	.00095	.00165	.0407	4.42
%RSD	.61624	.41125	.45113	.33802	.47180	1.6614
#1	474.40	.03482	.20994	.49050	8.6404	270.05
#2	479.76	.03454	.20839	.48782	8.5801	266.06
#3	479.18	.03466	.21010	.48748	8.6577	261.23
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**68.934**	**.81495**	**124.70**	**4.7645**	**.54015**	**52.108**
Stddev	.126	.00085	.34	.0173	.00081	.250
%RSD	.18328	.10473	.27613	.36266	.15078	.48059
#1	69.080	.81591	125.10	4.7843	.54107	52.398
#2	68.856	.81428	124.51	4.7570	.53988	51.965
#3	68.866	.81467	124.50	4.7523	.53951	51.963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090742PS Acquired: 4/7/2011 0:00:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360991-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43866**	**10.935**	**1.0423**	F **88.835**	F **948.59**	F **-105710.**
Stddev	.00171	.028	.0024	6.436	4.37	118.
%RSD	.38936	.25992	.22937	7.2446	.46052	.11207
#1	.44019	10.943	1.0451	87.251	948.54	-105770.
#2	.43681	10.903	1.0411	83.340	944.25	-105570.
#3	.43898	10.959	1.0408	95.916	952.99	-105780.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60011**	**.20304**	**3.5559**	**.04069**	**2.3141**	**4.3081**
Stddev	.00121	.00243	.0084	.00031	.0101	.0127
%RSD	.20152	1.1982	.23507	.77281	.43445	.29573
#1	.60015	.20551	3.5612	.04102	2.3257	4.3224
#2	.59889	.20065	3.5463	.04068	2.3072	4.2981
#3	.60130	.20297	3.5603	.04039	2.3096	4.3037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.23760**	**1.0176**	**1.6465**	**.15304**
Stddev	.00124	.0031	.0017	.00077
%RSD	.52078	.30689	.10073	.50538
#1	.23697	1.0210	1.6480	.15392
#2	.23903	1.0149	1.6447	.15246
#3	.23680	1.0168	1.6467	.15273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090742PS Acquired: 4/7/2011 0:00:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360991-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31600.**	**28806.**
Stddev	51.	271.
%RSD	.16284	.93967
#1	31544.	28515.
#2	31644.	28854.
#3	31613.	29050.

Approved: April 07, 2011

Sample Name: L1103090742SDL Acquired: 4/7/2011 0:03:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**40.830**	**.04716**	**.07146**	**.65964**	**.00090**	**116.12**
Stddev	.00009	.282	.00091	.00064	.00129	.00002	.50
%RSD	1.2722	.69055	1.9215	.89687	.19567	1.7437	.42798
#1	.00677	40.972	.04613	.07220	.66021	.00088	116.39
#2	.00674	40.505	.04751	.07111	.65816	.00091	115.54
#3	.00661	41.013	.04783	.07107	.66055	.00090	116.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.02816**	**.05891**	**2.0433**	**64.049**	**10.488**	**.07484**
Stddev	.00008	.00017	.00014	.0055	.129	.044	.00136
%RSD	3.3639	.59810	.23143	.27005	.20110	.41833	1.8124
#1	.00235	.02836	.05876	2.0482	64.138	10.539	.07621
#2	.00229	.02808	.05903	2.0373	63.902	10.466	.07350
#3	.00244	.02806	.05892	2.0444	64.109	10.460	.07481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.172**	**1.0816**	**.01242**	**6.3801**	**.05027**	**2.6780**	**.21098**
Stddev	.058	.0029	.00036	.0316	.00037	.0061	.00152
%RSD	.19804	.26720	2.8765	.49505	.73220	.22921	.72202
#1	29.239	1.0835	.01210	6.3987	.05067	2.6837	.21133
#2	29.143	1.0783	.01235	6.3436	.05020	2.6715	.20930
#3	29.135	1.0832	.01280	6.3979	.04995	2.6788	.21229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090742SDL Acquired: 4/7/2011 0:03:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **31.783**	F **234.84**	F **-25425.**	**.00214**	**-.00009**	**.24168**	**.00969**
Stddev	8.476	.73	204.	.00177	.00043	.00179	.00013
%RSD	26.668	.31104	.80348	82.880	479.55	.73886	1.3504
#1	31.829	235.50	-25577.	.00018	.00039	.24232	.00981
#2	23.284	234.05	-25193.	.00259	-.00043	.23967	.00955
#3	40.236	234.97	-25505.	.00364	-.00022	.24307	.00971
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42138**	**.88973**	**.00524**	**.11967**	**.29098**	**.03360**
Stddev	.00243	.00274	.00152	.00011	.00041	.00008
%RSD	.57702	.30811	29.051	.09421	.14083	.23695
#1	.42271	.89142	.00407	.11965	.29098	.03356
#2	.41858	.88657	.00468	.11957	.29057	.03355
#3	.42286	.89120	.00696	.11979	.29139	.03369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33072.**	**28364.**
Stddev	150.	115.
%RSD	.45328	.40433
#1	33216.	28467.
#2	33084.	28240.
#3	32917.	28383.

Approved: April 07, 2011

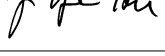
Sample Name: L1103090742SDL Acquired: 4/7/2011 0:07:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00129**	**8.2416**	**.00967**	**.01265**	**.13133**	**.00019**	**23.345**
Stddev	.00054	.0101	.00122	.00043	.00022	.00002	.040
%RSD	41.967	.12319	12.623	3.3935	.17130	7.9994	.17006
#1	.00155	8.2376	.01048	.01313	.13110	.00018	23.304
#2	.00164	8.2532	.00826	.01254	.13133	.00018	23.383
#3	.00067	8.2341	.01026	.01229	.13155	.00020	23.348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00602**	**.01148**	**.42231**	**12.894**	**2.1875**	**.01466**
Stddev	.00009	.00001	.00038	.00156	.025	.0066	.00031
%RSD	23.201	.14813	3.2713	.36830	.19761	.30137	2.1373
#1	.00033	.00601	.01191	.42326	12.874	2.1799	.01502
#2	.00049	.00602	.01120	.42315	12.884	2.1910	.01442
#3	.00035	.00603	.01133	.42051	12.922	2.1917	.01455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.0416**	**.22064**	**.00231**	**1.2769**	**.01012**	**.54934**	**.04290**
Stddev	.0147	.00119	.00008	.0163	.00022	.00216	.00069
%RSD	.24372	.53862	3.4319	1.2735	2.1356	.39405	1.6149
#1	6.0560	.22152	.00231	1.2708	.01006	.54950	.04368
#2	6.0421	.22110	.00239	1.2953	.00994	.54710	.04235
#3	6.0266	.21928	.00223	1.2645	.01036	.55143	.04268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103090742SDL Acquired: 4/7/2011 0:07:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG360991-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **10.226**	F **50.329**	F **-5167.8**	**-.00038**	**.00085**	**.04530**	**.00183**
Stddev	10.738	.250	5.3	.00008	.00304	.00067	.00021
%RSD	105.01	.49577	.10181	22.056	357.27	1.4893	11.323
#1	1.4508	50.565	-5168.8	-.00029	.00308	.04534	.00193
#2	7.0274	50.354	-5162.1	-.00042	-.00261	.04596	.00159
#3	22.200	50.068	-5172.5	-.00044	.00209	.04461	.00197
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08436**	**.17817**	**.00151**	**.02355**	**.06089**	**.00559**
Stddev	.00020	.00073	.00042	.00018	.00014	.00015
%RSD	.23772	.41150	27.658	.75184	.22177	2.6351
#1	.08423	.17763	.00128	.02371	.06103	.00575
#2	.08459	.17789	.00199	.02336	.06086	.00555
#3	.08426	.17901	.00126	.02358	.06077	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33858.**	**27520.**
Stddev	102.	72.
%RSD	.30023	.26077
#1	33779.	27476.
#2	33822.	27481.
#3	33973.	27603.

Approved: April 07, 2011

Sample Name: L1103090743 Acquired: 4/7/2011 0:10:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04737**	**219.29**	**.30507**	**.36369**	**2.3337**	**.00564**
Stddev	.00046	.64	.00038	.00295	.0056	.00004
%RSD	.97061	.29259	.12509	.81073	.24171	.68273
#1	.04787	218.57	.30543	.36175	2.3397	.00566
#2	.04727	219.48	.30511	.36709	2.3286	.00560
#3	.04697	219.82	.30467	.36224	2.3326	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**466.50**	**.01969**	**.13921**	**.40570**	**12.607**	**310.90**
Stddev	5.00	.00020	.00018	.00137	.036	4.38
%RSD	1.0728	1.0059	.13258	.33833	.28217	1.4075
#1	463.18	.01963	.13900	.40678	12.603	309.86
#2	464.07	.01992	.13929	.40416	12.644	315.71
#3	472.26	.01954	.13935	.40617	12.573	307.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.526**	**.39744**	**139.11**	**5.5604**	**.04249**	**38.639**
Stddev	.064	.00092	.43	.0028	.00017	.070
%RSD	.12359	.23097	.31213	.05099	.39154	.18226
#1	51.463	.39847	138.62	5.5575	.04248	38.562
#2	51.525	.39713	139.25	5.5631	.04234	38.701
#3	51.591	.39672	139.45	5.5604	.04267	38.653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090743 Acquired: 4/7/2011 0:10:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-01

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24602**	**16.375**	**.85461**	F **97.480**	F **1104.9**	F **-146140.**
Stddev	.00019	.022	.00219	5.952	2.7	129.
%RSD	.07686	.13365	.25666	6.1056	.24852	.08860
#1	.24580	16.373	.85232	95.633	1104.6	-146220.
#2	.24611	16.398	.85669	104.14	1107.9	-146210.
#3	.24615	16.354	.85484	92.671	1102.4	-145990.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01215**	**.00836**	**1.2769**	**.15758**	**1.7528**	**3.7841**
Stddev	.00124	.00266	.0023	.00047	.0021	.0022
%RSD	10.169	31.759	.17978	.29779	.11829	.05778
#1	.01347	.01143	1.2746	.15708	1.7529	3.7867
#2	.01196	.00669	1.2792	.15802	1.7549	3.7828
#3	.01102	.00697	1.2770	.15763	1.7507	3.7829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01679**	**.58103**	**2.2135**	**.16703**
Stddev	.00102	.00083	.0046	.00026
%RSD	6.0619	.14223	.20658	.15620
#1	.01734	.58017	2.2082	.16678
#2	.01561	.58112	2.2165	.16730
#3	.01741	.58181	2.2158	.16700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090743 Acquired: 4/7/2011 0:10:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-01

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31583.**	**28815.**
Stddev	67.	132.
%RSD	.21291	.45638
#1	31566.	28810.
#2	31526.	28687.
#3	31657.	28950.

Approved: April 07, 2011

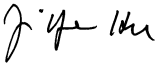
Sample Name: L1103090744S Acquired: 4/7/2011 0:14:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24062**	**204.90**	**.50036**	**.34634**	**2.3058**	**.00692**
Stddev	.00183	1.38	.00264	.00233	.0101	.00004
%RSD	.76120	.67141	.52775	.67277	.43943	.63377
#1	.24254	204.72	.50332	.34518	2.3119	.00696
#2	.23888	206.36	.49826	.34902	2.3114	.00687
#3	.24045	203.63	.49949	.34481	2.2941	.00692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**471.23**	**.04450**	**.14622**	**.41796**	**13.562**	**316.34**
Stddev	2.78	.00017	.00052	.00050	.068	3.85
%RSD	.58992	.39158	.35236	.12045	.50099	1.2186
#1	468.34	.04470	.14672	.41766	13.640	313.87
#2	471.46	.04440	.14625	.41855	13.517	320.78
#3	473.89	.04440	.14569	.41769	13.528	314.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.462**	**.38712**	**136.42**	**6.0292**	**.04431**	**35.799**
Stddev	.209	.00217	.48	.0138	.00035	.170
%RSD	.43113	.56119	.34839	.22953	.78662	.47601
#1	48.496	.38844	135.90	6.0163	.04408	35.751
#2	48.651	.38829	136.82	6.0438	.04414	35.989
#3	48.238	.38461	136.56	6.0275	.04471	35.658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090744S Acquired: 4/7/2011 0:14:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-04

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24820**	**16.890**	**1.0885**	F **103.81**	F **1110.1**	F **-143990.**
Stddev	.00074	.052	.0037	7.32	6.7	205.
%RSD	.29695	.30630	.33876	7.0530	.60260	.14211
#1	.24903	16.949	1.0928	100.07	1117.6	-144130.
#2	.24763	16.863	1.0864	112.25	1107.9	-144090.
#3	.24793	16.857	1.0864	99.122	1104.8	-143760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01459**	**.01202**	**1.5467**	**.17556**	**1.7379**	**3.0331**
Stddev	.00156	.00163	.0026	.00126	.0100	.0064
%RSD	10.712	13.573	.16617	.72026	.57263	.21049
#1	.01614	.01206	1.5496	.17702	1.7409	3.0357
#2	.01302	.01037	1.5452	.17480	1.7459	3.0377
#3	.01462	.01363	1.5451	.17486	1.7268	3.0258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01801**	**.60116**	**2.1620**	**.15226**
Stddev	.00206	.00267	.0065	.00026
%RSD	11.417	.44433	.30218	.17118
#1	.01578	.60417	2.1696	.15226
#2	.01843	.59907	2.1579	.15252
#3	.01983	.60024	2.1586	.15200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090744S Acquired: 4/7/2011 0:14:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-04

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31402.**	**28711.**
Stddev	123.	131.
%RSD	.39297	.45791
#1	31260.	28820.
#2	31480.	28565.
#3	31467.	28748.

Approved: April 07, 2011

Sample Name: L1103090745SD Acquired: 4/7/2011 0:17:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23403**	**203.26**	**.48233**	**.34591**	**2.2614**	**.00556**
Stddev	.00233	.36	.00195	.00281	.0055	.00004
%RSD	.99466	.17844	.40443	.81364	.24353	.76085
#1	.23138	203.05	.48174	.34805	2.2648	.00552
#2	.23575	203.05	.48450	.34272	2.2645	.00560
#3	.23495	203.68	.48074	.34696	2.2551	.00557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**441.36**	**.04269**	**.14143**	**.41028**	**12.778**	**319.33**
Stddev	6.98	.00005	.00047	.00254	.031	3.43
%RSD	1.5810	.12434	.33119	.61804	.24308	1.0734
#1	449.34	.04264	.14105	.41307	12.749	320.76
#2	436.36	.04270	.14128	.40965	12.774	315.42
#3	438.39	.04275	.14196	.40811	12.811	321.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.152**	**.37163**	**130.11**	**5.7386**	**.04193**	**35.121**
Stddev	.032	.00042	.30	.0136	.00024	.122
%RSD	.06592	.11308	.23198	.23612	.57970	.34632
#1	48.141	.37186	129.91	5.7299	.04177	35.060
#2	48.128	.37115	129.96	5.7317	.04221	35.041
#3	48.188	.37189	130.46	5.7542	.04181	35.261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090745SD Acquired: 4/7/2011 0:17:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-05

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24203**	**16.532**	**1.0837**	F **100.43**	F **1077.4**	F **-143530.**
Stddev	.00058	.046	.0004	9.22	3.5	62.
%RSD	.24128	.27749	.03725	9.1811	.32797	.04335
#1	.24142	16.498	1.0842	92.959	1073.6	-143550.
#2	.24211	16.514	1.0834	110.74	1078.3	-143450.
#3	.24258	16.584	1.0835	97.606	1080.5	-143570.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01303**	**.00902**	**1.3060**	**.15098**	**1.6379**	**3.5464**
Stddev	.00144	.00243	.0060	.00099	.0046	.0031
%RSD	11.083	26.987	.45781	.65293	.28021	.08784
#1	.01161	.01050	1.3030	.15019	1.6349	3.5443
#2	.01450	.01034	1.3021	.15067	1.6355	3.5449
#3	.01299	.00621	1.3129	.15208	1.6432	3.5500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01836**	**.61367**	**2.1593**	**.15255**
Stddev	.00040	.00317	.0037	.00063
%RSD	2.1572	.51654	.17218	.41617
#1	.01791	.61005	2.1555	.15328
#2	.01859	.61593	2.1595	.15223
#3	.01859	.61504	2.1629	.15215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090745SD Acquired: 4/7/2011 0:17:57 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG360473-05

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31581.**	**28787.**
Stddev	21.	139.
%RSD	.06688	.48338
#1	31602.	28707.
#2	31560.	28947.
#3	31582.	28706.

Approved: April 07, 2011

Sample Name: L1103090746 Acquired: 4/7/2011 0:21:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03915**	**218.73**	**.24457**	**.36189**	**3.3558**	^ *****
Stddev	.00072	1.44	.00109	.00195	.0086	-----
%RSD	1.8289	.65940	.44416	.53810	.25686	-----
#1	.03907	217.40	.24407	.36092	3.3507	^ -----
#2	.03848	218.54	.24383	.36413	3.3510	^ -----
#3	.03991	220.26	.24582	.36061	3.3658	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**894.83**	**.01525**	**.14104**	**.35353**	**7.8984**	**308.62**
Stddev	8.91	.00006	.00073	.00219	.0291	1.35
%RSD	.99539	.38294	.51463	.61967	.36849	.43711
#1	887.52	.01529	.14181	.35474	7.9292	307.21
#2	904.75	.01518	.14094	.35484	7.8946	309.90
#3	892.22	.01526	.14036	.35100	7.8714	308.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.795**	**.45609**	**169.46**	**5.1471**	**.02750**	**50.130**
Stddev	.238	.00256	.66	.0140	.00013	.287
%RSD	.47741	.56110	.38846	.27254	.47378	.57251
#1	49.585	.45412	168.89	5.1329	.02743	49.843
#2	49.746	.45517	169.31	5.1474	.02741	50.130
#3	50.053	.45898	170.18	5.1610	.02765	50.417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090746 Acquired: 4/7/2011 0:21:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24520**	**14.312**	**.69290**	F **92.966**	F **1714.5**	F **-166370.**
Stddev	.00059	.045	.00155	5.944	6.3	243.
%RSD	.24000	.31279	.22416	6.3935	.37030	.14608
#1	.24576	14.362	.69186	86.533	1721.6	-166650.
#2	.24459	14.299	.69468	94.112	1712.5	-166220.
#3	.24524	14.276	.69215	98.253	1709.3	-166240.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01225**	**.00993**	**1.4268**	**.06088**	**3.0787**	**4.7274**
Stddev	.00045	.00154	.0026	.00056	.0469	.0121
%RSD	3.6738	15.545	.18059	.91504	1.5230	.25673
#1	.01202	.00834	1.4277	.06054	3.0423	4.7148
#2	.01277	.01003	1.4288	.06152	3.0623	4.7285
#3	.01197	.01142	1.4239	.06058	3.1316	4.7390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01950**	**.65516**	**1.9094**	**.13083**
Stddev	.00070	.00242	.0038	.00057
%RSD	3.5764	.37000	.19882	.43470
#1	.01995	.65762	1.9126	.13103
#2	.01870	.65507	1.9104	.13126
#3	.01985	.65278	1.9052	.13018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090746 Acquired: 4/7/2011 0:21:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30483.**	**28334.**
Stddev	97.	68.
%RSD	.31747	.24165
#1	30383.	28263.
#2	30491.	28400.
#3	30576.	28340.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 0:25:18 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42243**	**9.9463**	**.41750**	**.52291**	**.99345**	**.05121**	**10.046**
Stddev	.00129	.0236	.00171	.00212	.00041	.00021	.027
%RSD	.30567	.23726	.41035	.40551	.04157	.40077	.27101
#1	.42169	9.9736	.41643	.52155	.99357	.05098	10.069
#2	.42168	9.9316	.41659	.52535	.99300	.05138	10.053
#3	.42392	9.9338	.41947	.52182	.99380	.05125	10.016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05296**	**.21341**	**.51919**	**.53259**	**4.0583**	**50.365**	**1.0068**
Stddev	.00011	.00058	.00272	.00070	.0088	.040	.0017
%RSD	.21319	.27359	.52433	.13164	.21680	.07852	.17166
#1	.05285	.21294	.51742	.53244	4.0593	50.335	1.0084
#2	.05296	.21323	.52232	.53335	4.0665	50.409	1.0070
#3	.05308	.21406	.51782	.53197	4.0490	50.349	1.0050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.243**	**.51405**	**.99462**	**49.581**	**.52285**	F **-.00055**	**.53731**
Stddev	.021	.00065	.00102	.123	.00053	.00012	.00018
%RSD	.20266	.12578	.10211	.24900	.10163	21.064	.03330
#1	10.248	.51331	.99576	49.525	.52225	-.00068	.53739
#2	10.261	.51453	.99430	49.723	.52307	-.00054	.53744
#3	10.220	.51430	.99381	49.496	.52324	-.00044	.53711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 0:25:18 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **15.515**	**10.944**	F **-2.2193**	**1.2961**	**.42200**	F **.01617**	**1.0600**
Stddev	6.141	.010	5.2046	.0034	.00220	.00086	.0012
%RSD	39.583	.09241	234.52	.26316	.52209	5.2925	.10847
#1	21.767	10.955	-7.0895	1.2946	.41947	.01622	1.0588
#2	15.286	10.937	3.2651	1.2937	.42307	.01530	1.0610
#3	9.4908	10.938	-2.8333	1.3000	.42347	.01701	1.0603
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0021**	**1.0235**	**.53987**	**1.0341**	**1.0267**	F **.00083**
Stddev	.0024	.0017	.00268	.0025	.0013	.00012
%RSD	.23765	.16419	.49649	.24455	.12730	14.161
#1	1.0014	1.0233	.54091	1.0314	1.0252	.00075
#2	1.0048	1.0253	.53683	1.0364	1.0276	.00096
#3	1.0002	1.0219	.54188	1.0344	1.0273	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32601.**	**26833.**
Stddev	94.	122.
%RSD	.28789	.45377
#1	32706.	26963.
#2	32526.	26722.
#3	32570.	26815.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 0:28:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.01759**	**-.00003**	**-.00198**	**.00000**	**.00002**	**.05403**
Stddev	.00093	.01633	.00086	.00062	.00007	.00001	.00664
%RSD	945.45	92.830	2524.3	31.145	1798.3	52.541	12.288
#1	-.00089	-.00285	-.00022	-.00184	.00008	.00002	.05947
#2	.00096	-.01478	.00091	-.00145	-.00002	.00002	.05598
#3	.00023	-.03515	-.00079	-.00266	-.00005	.00004	.04663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00002**	**.00012**	**-.00041**	**.01705**	**.17055**	**.00235**
Stddev	.00012	.00005	.00005	.00027	.00288	.03551	.00110
%RSD	534.72	252.56	46.001	67.141	16.906	20.821	46.627
#1	-.00013	-.00007	.00006	-.00065	.01960	.14612	.00302
#2	-.00005	.00002	.00017	-.00046	.01392	.21128	.00109
#3	.00011	-.00001	.00012	-.00011	.01763	.15425	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01984**	**.00055**	**.00016**	**.03252**	**.00001**	**-.00318**	**.00042**
Stddev	.00539	.00017	.00016	.01211	.00019	.00171	.00069
%RSD	27.169	29.752	103.36	37.221	1281.1	53.930	165.73
#1	.02448	.00065	.00005	.04626	.00023	-.00515	.00061
#2	.01393	.00065	.00008	.02792	-.00010	-.00201	.00100
#3	.02110	.00036	.00034	.02340	-.00009	-.00238	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 0:28:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **22.323**	F **.09970**	F **-21.259**	**.00069**	**.00028**	**.00138**	**.00017**
Stddev	2.695	.04079	7.167	.00083	.00170	.00048	.00020
%RSD	12.073	40.915	33.712	120.39	611.59	34.768	112.90
#1	24.753	.11496	-29.343	.00164	-.00155	.00083	.00005
#2	22.792	.05348	-15.687	.00009	.00055	.00158	.00040
#3	19.425	.13066	-18.746	.00034	.00183	.00172	.00008
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00078**	**.00025**	**-.00002**	**.00102**	**-.00008**
Stddev	.00013	.00071	.00106	.00005	.00006	.00006
%RSD	47.359	91.488	424.85	241.17	5.7122	70.846
#1	.00040	.00139	.00146	.00001	.00107	-.00003
#2	.00027	.00094	-.00025	-.00008	.00096	-.00007
#3	.00014	.00000	-.00047	.00000	.00102	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33492.**	**26924.**
Stddev	56.	174.
%RSD	.16665	.64472
#1	33439.	26928.
#2	33486.	27095.
#3	33550.	26748.

Approved: April 07, 2011

Sample Name: L1103090747 Acquired: 4/7/2011 0:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03173**	**208.82**	**.25050**	**.25145**	**2.4537**	**.00435**	**549.29**
Stddev	.00040	.79	.00028	.00367	.0072	.00002	6.67
%RSD	1.2479	.37967	.11018	1.4595	.29511	.54156	1.2144
#1	.03129	208.28	.25042	.24728	2.4463	.00436	550.51
#2	.03207	209.73	.25081	.25421	2.4607	.00432	542.09
#3	.03182	208.46	.25027	.25285	2.4540	.00436	555.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01585**	**.14333**	**.30544**	**16.104**	**321.12**	**49.029**	**.33759**
Stddev	.00011	.00056	.00158	.041	5.28	.106	.00047
%RSD	.71888	.39246	.51844	.25655	1.6455	.21643	.13982
#1	.01573	.14325	.30412	16.072	315.44	48.910	.33741
#2	.01595	.14281	.30500	16.089	325.89	49.115	.33813
#3	.01586	.14392	.30719	16.150	322.03	49.062	.33724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**136.82**	**6.0957**	**.04969**	**3.8692**	**.27468**	**12.930**	**1.7436**
Stddev	.34	.0031	.00023	.0137	.00016	.008	.0034
%RSD	.24668	.05142	.45534	.35279	.05879	.06337	.19255
#1	136.63	6.0993	.04943	3.8804	.27452	12.935	1.7411
#2	136.62	6.0934	.04979	3.8732	.27467	12.920	1.7424
#3	137.21	6.0945	.04984	3.8540	.27484	12.934	1.7474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090747 Acquired: 4/7/2011 0:32:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **94.093**	F **802.41**	F **-59333.**	**.01965**	**.01169**	**1.3495**	**.19821**
Stddev	4.894	2.21	62.	.00063	.00228	.0044	.00055
%RSD	5.2006	.27582	.10425	3.2073	19.465	.32404	.27831
#1	89.514	801.39	-59369.	.01903	.00946	1.3519	.19771
#2	99.250	800.90	-59262.	.01962	.01401	1.3445	.19812
#3	93.516	804.95	-59368.	.02029	.01160	1.3522	.19880
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0504**	**3.9662**	**.01868**	**.60364**	**2.1571**	**.12995**
Stddev	.0054	.0036	.00069	.00184	.0037	.00065
%RSD	.26274	.09131	3.6737	.30406	.17292	.50265
#1	2.0486	3.9629	.01904	.60342	2.1540	.12928
#2	2.0565	3.9701	.01911	.60192	2.1560	.13000
#3	2.0462	3.9655	.01789	.60557	2.1612	.13058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31711.**	**28681.**
Stddev	51.	137.
%RSD	.16170	.47666
#1	31754.	28524.
#2	31724.	28742.
#3	31654.	28776.

Approved: April 07, 2011

Sample Name: L1103090748 Acquired: 4/7/2011 0:35:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04713**	**248.14**	**.20483**	**.26468**	**4.0681**	^ *****	**664.55**
Stddev	.00019	1.13	.00147	.00045	.0040	-----	9.02
%RSD	.39596	.45525	.71601	.17128	.09765	-----	1.3571
#1	.04708	249.24	.20421	.26483	4.0656	^ -----	668.43
#2	.04733	246.98	.20377	.26418	4.0660	^ -----	670.98
#3	.04697	248.21	.20650	.26504	4.0727	^ -----	654.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00993**	**.17836**	**.46709**	**6.9022**	**369.62**	**60.572**	**.39847**
Stddev	.00010	.00038	.00125	.0051	3.43	.127	.00135
%RSD	.96089	.21086	.26843	.07375	.92825	.20956	.33815
#1	.00983	.17806	.46846	6.9078	366.22	60.617	.39787
#2	.01002	.17878	.46682	6.8979	369.56	60.428	.39752
#3	.00994	.17824	.46600	6.9007	373.08	60.670	.40001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**171.98**	**6.8033**	**.04957**	**4.2094**	**.47822**	**13.548**	**.70189**
Stddev	.16	.0077	.00027	.0176	.00035	.019	.00220
%RSD	.09179	.11266	.54735	.41834	.07301	.14380	.31312
#1	171.83	6.7983	.04968	4.2238	.47862	13.558	.70052
#2	171.97	6.7996	.04927	4.1898	.47807	13.526	.70073
#3	172.15	6.8121	.04978	4.2147	.47796	13.561	.70443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090748 Acquired: 4/7/2011 0:35:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **114.60**	F **924.83**	F **-54549.**	**.01285**	**.00937**	**1.3025**	**.04474**
Stddev	3.54	.59	77.	.00302	.00218	.0032	.00016
%RSD	3.0868	.06365	.14164	23.523	23.222	.24357	.35777
#1	117.37	925.47	-54608.	.01624	.00691	1.3056	.04456
#2	110.61	924.73	-54461.	.01043	.01016	1.2992	.04481
#3	115.80	924.30	-54576.	.01189	.01104	1.3026	.04486
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1843**	**6.0471**	**.02613**	**.74920**	**1.2763**	**.10954**
Stddev	.0093	.0084	.00110	.00262	.0011	.00067
%RSD	.42556	.13848	4.2056	.34909	.08369	.61593
#1	2.1913	6.0462	.02685	.75066	1.2750	.11004
#2	2.1737	6.0393	.02668	.75076	1.2770	.10981
#3	2.1879	6.0559	.02487	.74618	1.2768	.10878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31336.**	**29197.**
Stddev	92.	144.
%RSD	.29236	.49216
#1	31249.	29056.
#2	31328.	29190.
#3	31431.	29344.

Approved: April 07, 2011

Sample Name: L1103090801 Acquired: 4/7/2011 0:39:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02957**	**165.22**	**.09408**	**.24707**	**1.8344**	^ *****
Stddev	.00044	.76	.00106	.00193	.0051	-----
%RSD	1.4867	.46023	1.1279	.78243	.28001	-----
#1	.02907	166.02	.09330	.24906	1.8401	^ -----
#2	.02977	164.51	.09529	.24520	1.8301	^ -----
#3	.02988	165.12	.09364	.24695	1.8329	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**365.47**	**.00792**	**.12893**	**.39897**	**2.9877**	**335.17**
Stddev	6.16	.00016	.00085	.00107	.0186	4.23
%RSD	1.6846	1.9755	.66069	.26772	.62242	1.2610
#1	369.52	.00810	.12937	.39786	2.9982	339.58
#2	358.39	.00782	.12948	.39999	2.9988	331.15
#3	368.50	.00783	.12795	.39906	2.9663	334.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**42.152**	**.24445**	**113.76**	**4.9694**	**.04211**	**18.326**
Stddev	.122	.00064	.59	.0180	.00025	.041
%RSD	.28992	.26315	.51907	.36265	.60545	.22321
#1	42.259	.24519	113.80	4.9635	.04216	18.372
#2	42.019	.24403	113.16	4.9550	.04233	18.296
#3	42.179	.24413	114.33	4.9896	.04183	18.310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090801 Acquired: 4/7/2011 0:39:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26488**	**11.448**	**.83850**	F **90.087**	F **1423.5**	F **-249090.**
Stddev	.00119	.064	.00417	2.380	8.5	1212.
%RSD	.44869	.55520	.49731	2.6421	.59609	.48636
#1	.26557	11.494	.84258	90.442	1427.6	-250050.
#2	.26555	11.475	.83866	92.270	1429.1	-249490.
#3	.26351	11.376	.83425	87.549	1413.7	-247730.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.00682**	**.97352**	**.05235**	**1.2897**	**4.3379**
Stddev	.00173	.00049	.00051	.00067	.0038	.0095
%RSD	17.483	7.1730	.05266	1.2871	.29608	.21846
#1	.00828	.00631	.97349	.05265	1.2940	4.3426
#2	.01170	.00729	.97302	.05282	1.2868	4.3270
#3	.00963	.00687	.97405	.05157	1.2883	4.3441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.02043**	**.62315**	**1.5311**	**.10409**
Stddev	.00208	.00165	.0088	.00026
%RSD	10.158	.26523	.57491	.25157
#1	.02275	.62439	1.5367	.10379
#2	.01874	.62378	1.5356	.10427
#3	.01982	.62128	1.5210	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090801 Acquired: 4/7/2011 0:39:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31924.**	**28844.**
Stddev	142.	242.
%RSD	.44554	.84041
#1	31872.	28616.
#2	31816.	29098.
#3	32085.	28818.

Approved: April 07, 2011

Sample Name: L1103090802 Acquired: 4/7/2011 0:43:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02221**	**173.19**	**.09666**	**.19722**	**1.9183**	**.00481**	**383.29**
Stddev	.00066	1.44	.00065	.00057	.0112	.00003	4.62
%RSD	2.9902	.83011	.67289	.28954	.58552	.56138	1.2059
#1	.02149	174.53	.09597	.19745	1.9312	.00479	388.27
#2	.02233	171.67	.09726	.19657	1.9108	.00484	382.48
#3	.02280	173.37	.09676	.19764	1.9129	.00481	379.13
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00752**	**.12945**	**.39803**	**1.9799**	**325.43**	**46.219**	**.24962**
Stddev	.00009	.00023	.00192	.0052	.77	.239	.00025
%RSD	1.1516	.18092	.48172	.26306	.23755	.51792	.09873
#1	.00748	.12918	.39582	1.9783	324.81	46.476	.24966
#2	.00747	.12959	.39931	1.9757	325.19	46.002	.24984
#3	.00762	.12958	.39896	1.9858	326.29	46.178	.24935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**122.52**	**5.1975**	**.02395**	**9.3135**	**.27243**	**10.299**	**.49531**
Stddev	.46	.0173	.00013	.0374	.00160	.017	.00195
%RSD	.37859	.33192	.55425	.40208	.58676	.16671	.39458
#1	122.95	5.2127	.02391	9.3460	.27179	10.292	.49360
#2	122.03	5.1787	.02384	9.2725	.27125	10.286	.49489
#3	122.59	5.2010	.02410	9.3220	.27425	10.318	.49744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090802 Acquired: 4/7/2011 0:43:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **83.800**	F **528.95**	F **-34610.**	**.00704**	**.00705**	**1.6025**	**.04032**
Stddev	5.717	1.01	18.	.00234	.00134	.0007	.00024
%RSD	6.8225	.19137	.05225	33.239	19.020	.04337	.58751
#1	88.824	528.23	-34610.	.00434	.00822	1.6033	.04060
#2	77.579	528.51	-34592.	.00826	.00558	1.6024	.04020
#3	84.996	530.11	-34628.	.00853	.00734	1.6019	.04017
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4421**	**3.0167**	**.01633**	**.57665**	**1.0940**	**.09655**
Stddev	.0094	.0108	.00061	.00333	.0027	.00024
%RSD	.65285	.35783	3.7663	.57794	.24318	.24870
#1	1.4515	3.0276	.01698	.57289	1.0913	.09628
#2	1.4326	3.0060	.01577	.57924	1.0940	.09673
#3	1.4422	3.0165	.01623	.57782	1.0966	.09664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31623.**	**28544.**
Stddev	88.	196.
%RSD	.27936	.68579
#1	31702.	28320.
#2	31639.	28680.
#3	31527.	28633.

Approved: April 07, 2011

Sample Name: L1103090803 Acquired: 4/7/2011 0:46:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03824**	**179.47**	**.12456**	**.21775**	**2.0110**	^ *****	**287.43**
Stddev	.00052	.95	.00154	.00151	.0039	-----	2.22
%RSD	1.3647	.53193	1.2386	.69216	.19244	-----	.77235
#1	.03810	180.00	.12433	.21825	2.0115	^ -----	287.02
#2	.03881	178.37	.12315	.21895	2.0069	^ -----	285.44
#3	.03780	180.05	.12621	.21606	2.0146	^ -----	289.83
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00870**	**.14756**	**.42758**	**3.5416**	**340.46**	**49.533**	**.25811**
Stddev	.00012	.00023	.00186	.0093	1.99	.126	.00165
%RSD	1.4067	.15342	.43480	.26211	.58399	.25536	.64014
#1	.00866	.14730	.42544	3.5309	340.17	49.496	.25662
#2	.00860	.14770	.42886	3.5473	342.58	49.429	.25783
#3	.00883	.14767	.42843	3.5467	338.64	49.674	.25989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**125.88**	**5.7078**	**.05879**	**5.6230**	**.29552**	**13.057**	**.76448**
Stddev	.37	.0053	.00006	.0149	.00035	.007	.00146
%RSD	.29646	.09328	.10785	.26512	.11767	.05082	.19094
#1	125.49	5.7044	.05876	5.6310	.29577	13.050	.76309
#2	125.89	5.7050	.05876	5.6058	.29567	13.061	.76600
#3	126.24	5.7139	.05887	5.6321	.29513	13.061	.76434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090803 Acquired: 4/7/2011 0:46:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **88.734**	F **676.13**	F **-91522.**	**.00979**	**.00768**	**1.3178**	**.03505**
Stddev	6.034	1.80	14.	.00210	.00347	.0049	.00041
%RSD	6.8002	.26693	.01566	21.409	45.168	.37102	1.1739
#1	95.395	674.07	-91508.	.01210	.00572	1.3148	.03509
#2	83.633	676.94	-91523.	.00926	.01168	1.3152	.03462
#3	87.175	677.40	-91536.	.00801	.00563	1.3235	.03544
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1033**	**5.6750**	**.02225**	**.62881**	**1.3652**	**.08455**
Stddev	.0029	.0049	.00124	.00177	.0027	.00052
%RSD	.26661	.08620	5.5651	.28198	.19696	.62087
#1	1.1060	5.6720	.02342	.62677	1.3624	.08515
#2	1.1001	5.6724	.02096	.62976	1.3677	.08434
#3	1.1038	5.6806	.02236	.62992	1.3656	.08418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31909.**	**28607.**
Stddev	38.	64.
%RSD	.11901	.22207
#1	31949.	28535.
#2	31873.	28629.
#3	31904.	28656.

Approved: April 07, 2011

Sample Name: L1103090804 Acquired: 4/7/2011 0:50:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03242**	**176.98**	**.13432**	**.20635**	**2.1046**	^ *****	**305.62**
Stddev	.00060	.30	.00127	.00133	.0040	-----	4.41
%RSD	1.8381	.17022	.94803	.64390	.18885	-----	1.4417
#1	.03235	177.03	.13316	.20566	2.1090	^ -----	305.62
#2	.03187	176.66	.13411	.20551	2.1013	^ -----	310.03
#3	.03305	177.26	.13568	.20788	2.1035	^ -----	301.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00872**	**.14070**	**.38962**	**3.9614**	**331.78**	**47.527**	**.24890**
Stddev	.00004	.00028	.00202	.0138	1.41	.031	.00193
%RSD	.51439	.20233	.51775	.34840	.42490	.06536	.77414
#1	.00877	.14065	.38729	3.9656	330.52	47.549	.25026
#2	.00870	.14100	.39072	3.9725	331.52	47.491	.24670
#3	.00868	.14044	.39085	3.9459	333.31	47.540	.24974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**120.30**	**5.8337**	**.06360**	**7.2250**	**.27785**	**11.693**	**.63824**
Stddev	.21	.0038	.00019	.0239	.00074	.033	.00196
%RSD	.17477	.06507	.29092	.33010	.26636	.28127	.30651
#1	120.41	5.8343	.06380	7.2029	.27838	11.688	.63653
#2	120.43	5.8296	.06344	7.2218	.27816	11.729	.64038
#3	120.06	5.8371	.06356	7.2503	.27700	11.664	.63781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090804 Acquired: 4/7/2011 0:50:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.527**	F **656.27**	F **-81966.**	**.00835**	**.01032**	**1.5659**	**.03089**
Stddev	12.153	2.31	69.	.00183	.00360	.0052	.00018
%RSD	13.575	.35244	.08399	21.899	34.869	.33085	.59760
#1	94.392	656.47	-82005.	.00959	.01447	1.5708	.03068
#2	75.695	658.48	-82006.	.00920	.00819	1.5664	.03102
#3	98.495	653.87	-81886.	.00625	.00829	1.5604	.03098
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2179**	**4.2265**	**.01861**	**.59704**	**1.2440**	**.09586**
Stddev	.0033	.0051	.00143	.00233	.0027	.00063
%RSD	.26856	.12058	7.6907	.39049	.21935	.65264
#1	1.2181	4.2308	.01700	.59448	1.2414	.09515
#2	1.2145	4.2208	.01907	.59759	1.2468	.09635
#3	1.2210	4.2278	.01975	.59905	1.2438	.09607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32028.**	**28728.**
Stddev	59.	218.
%RSD	.18342	.75810
#1	32078.	28536.
#2	31963.	28683.
#3	32042.	28964.

Approved: April 07, 2011

Sample Name: L1103090805 Acquired: 4/7/2011 0:53:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03113**	**157.85**	**.27948**	**.21881**	**2.0690**	^ *****
Stddev	.00053	1.42	.00146	.00137	.0190	-----
%RSD	1.7150	.90167	.52363	.62494	.91911	-----
#1	.03168	157.51	.27789	.21778	2.0612	^ -----
#2	.03110	156.63	.28077	.21829	2.0551	^ -----
#3	.03062	159.42	.27977	.22036	2.0906	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**281.80**	**.01034**	**.14562**	**.33287**	**9.7008**	**335.37**
Stddev	2.26	.00005	.00011	.00129	.0106	2.44
%RSD	.80140	.44164	.07707	.38633	.10895	.72899
#1	281.18	.01032	.14554	.33177	9.6906	333.93
#2	279.91	.01039	.14556	.33428	9.7001	333.99
#3	284.30	.01030	.14574	.33254	9.7117	338.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**45.637**	**.23252**	**108.98**	**4.7611**	**.18820**	**11.106**
Stddev	.304	.00167	.68	.0129	.00045	.050
%RSD	.66703	.71915	.62353	.26993	.23699	.45205
#1	45.487	.23282	108.72	4.7565	.18871	11.114
#2	45.437	.23071	108.48	4.7512	.18794	11.052
#3	45.988	.23402	109.76	4.7756	.18793	11.152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090805 Acquired: 4/7/2011 0:53:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25401**	**12.626**	**.82917**	F **94.311**	F **1561.4**	F **-310480.**
Stddev	.00015	.009	.00156	4.935	4.1	109.
%RSD	.05775	.07432	.18810	5.2326	.26229	.03499
#1	.25411	12.620	.83079	92.375	1557.0	-310610.
#2	.25384	12.637	.82767	90.638	1561.9	-310410.
#3	.25407	12.620	.82904	99.921	1565.2	-310440.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01504**	**.02535**	**2.0435**	**.04031**	**1.0595**	**4.2244**
Stddev	.00199	.00127	.0050	.00037	.0057	.0156
%RSD	13.214	5.0041	.24274	.91862	.54071	.36924
#1	.01734	.02681	2.0467	.04023	1.0599	4.2242
#2	.01390	.02455	2.0378	.04071	1.0535	4.2089
#3	.01389	.02468	2.0461	.03998	1.0649	4.2401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01974**	**.60237**	**1.6336**	**.07422**
Stddev	.00164	.00114	.0020	.00015
%RSD	8.3091	.18914	.12384	.20436
#1	.01886	.60213	1.6315	.07440
#2	.01873	.60137	1.6355	.07413
#3	.02163	.60361	1.6339	.07413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090805 Acquired: 4/7/2011 0:53:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32350.**	**28928.**
Stddev	16.	126.
%RSD	.05025	.43433
#1	32368.	28817.
#2	32344.	29064.
#3	32337.	28902.

Approved: April 07, 2011

Sample Name: L1103090806 Acquired: 4/7/2011 0:57:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04495**	**178.74**	**.11949**	**.20704**	**2.1588**	^ *****	**402.83**
Stddev	.00057	1.16	.00133	.00073	.0083	-----	2.59
%RSD	1.2612	.64953	1.1099	.35471	.38256	-----	.64380
#1	.04431	178.52	.12075	.20682	2.1593	^ -----	400.73
#2	.04514	180.00	.11811	.20786	2.1668	^ -----	402.03
#3	.04540	177.71	.11961	.20645	2.1503	^ -----	405.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00831**	**.13439**	**.39930**	**3.6084**	**323.39**	**43.037**	**.29007**
Stddev	.00003	.00047	.00085	.0003	1.34	.183	.00193
%RSD	.36246	.34692	.21375	.00906	.41569	.42459	.66450
#1	.00833	.13420	.40011	3.6087	323.26	42.978	.29209
#2	.00827	.13405	.39938	3.6085	324.80	43.242	.28990
#3	.00832	.13492	.39840	3.6081	322.12	42.891	.28824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**133.71**	**5.7381**	**.06194**	**5.9403**	**.28465**	**12.192**	**.70723**
Stddev	.25	.0097	.00020	.0394	.00045	.003	.00058
%RSD	.18447	.16948	.32238	.66400	.15913	.02774	.08243
#1	133.43	5.7290	.06181	5.9258	.28430	12.193	.70663
#2	133.89	5.7483	.06217	5.9849	.28516	12.196	.70780
#3	133.81	5.7369	.06184	5.9101	.28448	12.189	.70727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090806 Acquired: 4/7/2011 0:57:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **88.584**	F **633.85**	F **-56243.**	**.00656**	**.00879**	**1.2646**	**.03058**
Stddev	10.388	.64	67.	.00155	.00266	.0058	.00011
%RSD	11.726	.10112	.11829	23.705	30.255	.45822	.37388
#1	97.712	633.11	-56167.	.00832	.00882	1.2660	.03061
#2	90.761	634.15	-56269.	.00539	.01144	1.2583	.03068
#3	77.281	634.28	-56292.	.00596	.00612	1.2696	.03046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9739**	**5.6483**	**.02195**	**.63421**	**1.1090**	**.13313**
Stddev	.0110	.0217	.00085	.00263	.0004	.00036
%RSD	.55586	.38340	3.8674	.41470	.03472	.27217
#1	1.9718	5.6451	.02110	.63560	1.1092	.13350
#2	1.9858	5.6714	.02280	.63585	1.1093	.13313
#3	1.9641	5.6285	.02196	.63118	1.1086	.13277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32021.**	**28336.**
Stddev	57.	87.
%RSD	.17780	.30825
#1	31966.	28295.
#2	32018.	28436.
#3	32080.	28275.

Approved: April 07, 2011

Sample Name: L1103090807 Acquired: 4/7/2011 1:00:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03078**	**200.65**	**.16933**	**.31041**	**2.9482**	**.00629**
Stddev	.00044	1.03	.00034	.00142	.0076	.00005
%RSD	1.4375	.51313	.20315	.45645	.25836	.82250
#1	.03100	200.23	.16934	.30976	2.9469	.00629
#2	.03027	201.83	.16967	.31203	2.9564	.00634
#3	.03108	199.91	.16898	.30943	2.9413	.00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**476.66**	**.01824**	**.14713**	**.38163**	**11.068**	**322.39**
Stddev	6.72	.00004	.00036	.00089	.031	2.31
%RSD	1.4107	.19749	.24727	.23445	.28399	.71745
#1	473.85	.01828	.14722	.38095	11.056	321.40
#2	484.33	.01821	.14745	.38265	11.103	325.03
#3	471.80	.01823	.14673	.38130	11.044	320.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.474**	**.31930**	**130.53**	**5.6072**	**.29311**	**23.543**
Stddev	.154	.00158	.28	.0084	.00050	.105
%RSD	.28884	.49331	.21753	.15052	.17096	.44704
#1	53.398	.31767	130.26	5.6073	.29353	23.485
#2	53.652	.32082	130.82	5.6156	.29256	23.665
#3	53.373	.31942	130.52	5.5988	.29325	23.480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090807 Acquired: 4/7/2011 1:00:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25239**	**15.777**	**1.5415**	F **85.888**	F **1446.2**	F **-228220.**
Stddev	.00014	.026	.0031	7.587	5.6	343.
%RSD	.05527	.16177	.19787	8.8337	.38851	.15048
#1	.25235	15.775	1.5416	77.192	1445.7	-228410.
#2	.25254	15.804	1.5445	89.315	1452.1	-228420.
#3	.25227	15.753	1.5384	91.157	1440.9	-227820.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01390**	**.00884**	**2.1675**	**.06728**	**2.5302**	**3.2023**
Stddev	.00087	.00012	.0047	.00018	.0098	.0048
%RSD	6.2523	1.3909	.21736	.26034	.38924	.14953
#1	.01351	.00882	2.1686	.06739	2.5294	3.2005
#2	.01490	.00898	2.1716	.06708	2.5405	3.2077
#3	.01329	.00873	2.1623	.06737	2.5208	3.1987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01552**	**.55972**	**3.5530**	**.15601**
Stddev	.00081	.00199	.0021	.00089
%RSD	5.2191	.35545	.05794	.56871
#1	.01474	.55919	3.5547	.15538
#2	.01636	.55805	3.5507	.15562
#3	.01545	.56192	3.5535	.15702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090807 Acquired: 4/7/2011 1:00:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31835.**	**28099.**
Stddev	54.	103.
%RSD	.16989	.36641
#1	31775.	28013.
#2	31848.	28071.
#3	31881.	28213.

Approved: April 07, 2011

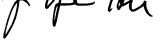
Sample Name: L1103090808 Acquired: 4/7/2011 1:04:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01781**	**196.20**	**.14934**	**.27495**	**2.5876**	**.00836**
Stddev	.00027	.97	.00200	.00191	.0060	.00002
%RSD	1.5439	.49612	1.3363	.69374	.23260	.28162
#1	.01786	196.80	.14777	.27277	2.5912	.00833
#2	.01806	196.71	.14866	.27630	2.5910	.00838
#3	.01751	195.07	.15159	.27579	2.5807	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**455.13**	**.01663**	**.12667**	**.35749**	**6.5480**	**295.36**
Stddev	3.88	.00016	.00114	.00266	.0552	2.75
%RSD	.85226	.93566	.89789	.74513	.84340	.93129
#1	458.27	.01648	.12560	.35442	6.4886	292.81
#2	456.32	.01663	.12654	.35885	6.5574	298.27
#3	450.79	.01679	.12787	.35920	6.5979	294.98
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**59.093**	**.29399**	**119.97**	**5.5594**	**.08813**	**28.592**
Stddev	.199	.00084	.27	.0105	.00040	.107
%RSD	.33652	.28441	.22710	.18837	.45647	.37445
#1	59.282	.29475	120.24	5.5715	.08856	28.683
#2	59.112	.29412	119.98	5.5531	.08806	28.620
#3	58.886	.29309	119.70	5.5535	.08777	28.474
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011



Sample Name: L1103090808 Acquired: 4/7/2011 1:04:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25839**	**15.754**	**2.6741**	F **100.13**	F **1167.8**	F **-167330.**
Stddev	.00160	.088	.0107	8.80	11.5	541.
%RSD	.61760	.55826	.40208	8.7872	.98593	.32343
#1	.25668	15.663	2.6622	103.38	1155.8	-166810.
#2	.25867	15.759	2.6771	90.168	1168.9	-167300.
#3	.25983	15.839	2.6831	106.84	1178.8	-167890.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02238**	**.00768**	**3.4297**	**.07712**	**1.8741**	**1.9728**
Stddev	.00128	.00293	.0187	.00001	.0069	.0051
%RSD	5.7384	38.127	.54401	.01081	.36701	.25830
#1	.02368	.00591	3.4103	.07713	1.8804	1.9775
#2	.02112	.00607	3.4313	.07712	1.8750	1.9734
#3	.02234	.01106	3.4476	.07712	1.8668	1.9674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01334**	**.48685**	**2.7309**	**.13802**
Stddev	.00078	.00335	.0089	.00071
%RSD	5.8303	.68833	.32436	.51661
#1	.01339	.48409	2.7214	.13742
#2	.01410	.48587	2.7326	.13783
#3	.01254	.49058	2.7389	.13881
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090808 Acquired: 4/7/2011 1:04:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31914.**	**28793.**
Stddev	133.	340.
%RSD	.41518	1.1824
#1	32065.	28460.
#2	31856.	28777.
#3	31820.	29140.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:08:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42111**	**10.014**	**.41891**	**.52543**	**1.0050**	**.05129**	**9.9968**
Stddev	.00361	.081	.00147	.00268	.0014	.00031	.0458
%RSD	.85683	.81060	.35139	.51013	.14105	.59919	.45851
#1	.42402	9.9394	.41832	.52520	1.0047	.05136	9.9565
#2	.42223	10.100	.42058	.52822	1.0066	.05156	10.047
#3	.41707	10.002	.41782	.52287	1.0038	.05096	9.9871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05295**	**.21317**	**.52327**	**.53314**	**4.0809**	**50.927**	**1.0162**
Stddev	.00028	.00087	.00152	.00381	.0150	.156	.0038
%RSD	.52016	.40853	.28970	.71482	.36756	.30680	.36985
#1	.05309	.21328	.52272	.53337	4.0679	50.889	1.0181
#2	.05312	.21398	.52499	.53683	4.0974	51.099	1.0185
#3	.05263	.21225	.52211	.52921	4.0775	50.793	1.0118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.373**	**.51873**	**1.0055**	**49.873**	**.52556**	F **-.00201**	**.53706**
Stddev	.029	.00122	.0005	.214	.00116	.00290	.00265
%RSD	.27621	.23493	.04999	.42830	.21989	144.85	.49324
#1	10.368	.51975	1.0050	49.777	.52513	-.00137	.53877
#2	10.403	.51907	1.0055	50.118	.52687	-.00517	.53839
#3	10.346	.51738	1.0060	49.725	.52468	.00053	.53401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:08:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **4.9582**	**10.867**	F **-3.8670**	**1.2990**	**.42220**	F **.01526**	**1.0677**
Stddev	1.0632	.081	2.3638	.0068	.00322	.00053	.0027
%RSD	21.444	.74386	61.127	.52428	.76377	3.4532	.25509
#1	3.7310	10.896	-6.5534	1.2961	.41849	.01477	1.0680
#2	5.5398	10.928	-2.1057	1.3067	.42375	.01582	1.0703
#3	5.6037	10.775	-2.9419	1.2941	.42435	.01520	1.0649
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0071**	**1.0315**	**.54116**	**1.0392**	**1.0359**	F **.00081**
Stddev	.0039	.0022	.00240	.0060	.0031	.00004
%RSD	.38416	.21401	.44383	.57778	.29927	4.8226
#1	1.0060	1.0325	.54038	1.0414	1.0374	.00077
#2	1.0114	1.0330	.54385	1.0438	1.0379	.00081
#3	1.0039	1.0290	.53924	1.0324	1.0323	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32578.**	**26375.**
Stddev	96.	47.
%RSD	.29497	.17813
#1	32601.	26428.
#2	32473.	26339.
#3	32661.	26358.

Approved: April 07, 2011

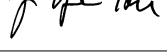
Sample Name: CCB Acquired: 4/7/2011 1:11:43 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**-.02855**	**.00009**	**-.00226**	**-.00054**	**.00004**	**.00240**
Stddev	.00018	.02218	.00075	.00065	.00019	.00001	.00686
%RSD	29.956	77.711	793.30	28.807	34.474	24.178	286.30
#1	.00041	-.02664	.00078	-.00191	-.00036	.00004	-.00508
#2	.00077	-.00738	-.00070	-.00186	-.00054	.00003	.00387
#3	.00062	-.05162	.00021	-.00302	-.00073	.00004	.00841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00020**	**-.00014**	**-.00051**	**.00124**	**.16636**	**-.00070**
Stddev	.00002	.00017	.00010	.00025	.00193	.01585	.00169
%RSD	41.828	84.077	71.093	48.473	155.64	9.5300	242.13
#1	.00004	-.00022	-.00004	-.00024	.00132	.15785	.00062
#2	.00008	-.00002	-.00025	-.00057	-.00073	.15658	-.00260
#3	.00005	-.00035	-.00014	-.00073	.00313	.18465	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**.00040**	**.00004**	**.01241**	**.00001**	**-.00215**	**-.00119**
Stddev	.00518	.00024	.00006	.00821	.00009	.00426	.00142
%RSD	44.477	60.939	166.13	66.177	995.37	197.71	119.84
#1	.01268	.00034	.00002	.01800	-.00009	.00240	-.00258
#2	.01623	.00066	-.00001	.00298	.00003	-.00283	-.00125
#3	.00603	.00019	.00011	.01624	.00009	-.00603	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: CCB Acquired: 4/7/2011 1:11:43 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2920**	F **.12330**	F **-32.423**	**-.00017**	**.00146**	**.00172**	**.00005**
Stddev	8.5653	.04941	2.569	.00055	.00185	.00132	.00005
%RSD	662.96	40.077	7.9244	318.95	126.32	77.058	110.03
#1	-1.8051	.07781	-29.626	.00040	.00100	.00322	.00006
#2	-5.2940	.11622	-32.964	-.00070	-.00011	.00121	.00009
#3	10.975	.17587	-34.679	-.00022	.00350	.00072	-.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00034**	**-.00026**	**-.00023**	**.00105**	**.00004**
Stddev	.00004	.00086	.00105	.00030	.00007	.00016
%RSD	125.60	256.94	403.59	134.55	6.3631	427.27
#1	-.00003	-.00061	.00036	.00008	.00103	-.00015
#2	.00001	.00054	-.00147	-.00053	.00100	.00015
#3	-.00007	.00108	.00033	-.00023	.00113	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32807.**	**25598.**
Stddev	15.	95.
%RSD	.04571	.37265
#1	32810.	25672.
#2	32791.	25490.
#3	32820.	25631.

Approved: April 07, 2011

Sample Name: L1103090809 Acquired: 4/7/2011 1:15:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03349**	**211.36**	**.13668**	**.28752**	**2.7329**	**.00460**
Stddev	.00063	1.09	.00047	.00311	.0015	.00005
%RSD	1.8818	.51635	.34048	1.0808	.05680	1.1282
#1	.03411	210.37	.13695	.28401	2.7321	.00466
#2	.03351	212.53	.13615	.28992	2.7319	.00456
#3	.03285	211.17	.13696	.28864	2.7347	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**506.84**	**.01060**	**.13632**	**.36224**	**7.1372**	**311.16**
Stddev	4.02	.00005	.00017	.00114	.0110	3.93
%RSD	.79265	.43428	.12621	.31591	.15403	1.2632
#1	503.07	.01061	.13624	.36110	7.1437	306.64
#2	511.07	.01055	.13652	.36339	7.1434	313.76
#3	506.40	.01064	.13621	.36224	7.1245	313.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.689**	**.34780**	**136.45**	**5.4965**	**.10612**	**23.375**
Stddev	.162	.00051	.65	.0188	.00008	.116
%RSD	.30084	.14604	.47386	.34135	.07854	.49432
#1	53.509	.34733	135.71	5.4775	.10609	23.286
#2	53.821	.34834	136.92	5.5150	.10606	23.506
#3	53.738	.34773	136.71	5.4968	.10622	23.334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090809 Acquired: 4/7/2011 1:15:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24882**	**16.992**	**.82769**	F **93.840**	F **1053.1**	F **-124960.**
Stddev	.00078	.039	.00283	7.468	1.8	190.
%RSD	.31454	.22907	.34237	7.9581	.17149	.15210
#1	.24929	17.035	.82719	95.756	1053.7	-125050.
#2	.24792	16.983	.82514	85.600	1054.5	-125080.
#3	.24926	16.958	.83074	100.16	1051.0	-124740.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00789**	**.01228**	**1.6247**	**.05071**	**2.3214**	**4.0352**
Stddev	.00146	.00148	.0054	.00015	.0084	.0095
%RSD	18.505	12.088	.33159	.29013	.36304	.23670
#1	.00683	.01251	1.6244	.05066	2.3152	4.0251
#2	.00729	.01363	1.6302	.05060	2.3310	4.0441
#3	.00956	.01069	1.6195	.05088	2.3180	4.0364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01703**	**.55726**	**2.2856**	**.12913**
Stddev	.00120	.00115	.0035	.00112
%RSD	7.0228	.20711	.15336	.86680
#1	.01794	.55668	2.2870	.12799
#2	.01748	.55651	2.2816	.13022
#3	.01568	.55859	2.2882	.12918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090809 Acquired: 4/7/2011 1:15:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31212.**	**28301.**
Stddev	44.	92.
%RSD	.14209	.32471
#1	31179.	28354.
#2	31263.	28195.
#3	31196.	28354.

Approved: April 07, 2011

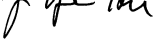
Sample Name: L1103090810 Acquired: 4/7/2011 1:19:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02826**	**220.23**	**.18944**	**.29528**	**2.4185**	**.00528**	**380.38**
Stddev	.00061	.69	.00228	.00102	.0044	.00003	2.73
%RSD	2.1686	.31340	1.2044	.34438	.18210	.59528	.71761
#1	.02882	220.07	.19170	.29611	2.4200	.00528	382.74
#2	.02835	219.63	.18947	.29557	2.4136	.00531	377.39
#3	.02761	220.98	.18714	.29414	2.4220	.00525	381.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01302**	**.12596**	**.36286**	**5.0609**	**324.58**	**62.053**	**.30443**
Stddev	.00013	.00065	.00239	.0310	2.61	.275	.00167
%RSD	.97989	.51323	.65781	.61200	.80288	.44285	.55011
#1	.01303	.12628	.36425	5.0761	324.18	62.043	.30322
#2	.01290	.12639	.36423	5.0814	322.19	61.783	.30634
#3	.01315	.12522	.36011	5.0253	327.36	62.332	.30372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**127.44**	**5.4377**	**.02634**	**23.671**	**.26138**	**13.253**	**1.0652**
Stddev	.44	.0124	.00003	.039	.00128	.054	.0048
%RSD	.34253	.22804	.10372	.16501	.48792	.40891	.44852
#1	127.18	5.4306	.02633	23.674	.26196	13.284	1.0677
#2	127.20	5.4305	.02637	23.630	.26227	13.284	1.0683
#3	127.95	5.4520	.02632	23.708	.25992	13.190	1.0597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011



Sample Name: L1103090810 Acquired: 4/7/2011 1:19:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **89.917**	F **719.66**	F **-79462.**	**.01129**	**.00716**	**2.5743**	**.04097**
Stddev	5.350	5.39	241.	.00086	.00173	.0119	.00010
%RSD	5.9501	.74862	.30345	7.6315	24.129	.46119	.23912
#1	95.951	722.53	-79681.	.01200	.00909	2.5819	.04103
#2	85.752	723.00	-79501.	.01153	.00663	2.5804	.04086
#3	88.049	713.45	-79204.	.01033	.00576	2.5606	.04103
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6788**	**3.8105**	**.01748**	**.54525**	**2.2363**	**.17310**
Stddev	.0031	.0034	.00044	.00326	.0065	.00135
%RSD	.18560	.09040	2.5144	.59842	.29118	.78096
#1	1.6796	3.8097	.01710	.54782	2.2381	.17415
#2	1.6753	3.8074	.01796	.54634	2.2418	.17358
#3	1.6814	3.8142	.01739	.54158	2.2291	.17158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31750.**	**28307.**
Stddev	206.	177.
%RSD	.64789	.62573
#1	31629.	28187.
#2	31634.	28511.
#3	31988.	28224.

Approved: April 07, 2011

Sample Name: L1103090814 Acquired: 4/7/2011 1:22:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01930**	**236.50**	**.10008**	**.28811**	**2.8253**	**.00862**
Stddev	.00089	1.12	.00300	.00160	.0136	.00007
%RSD	4.6001	.47454	2.9950	.55661	.48253	.79657
#1	.01990	236.36	.10221	.28638	2.8244	.00854
#2	.01972	237.69	.10138	.28839	2.8394	.00865
#3	.01828	235.46	.09665	.28955	2.8122	.00867
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Ca4226	Cd2288	Co2286	Cr2677	Cu2247	Fe2611
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**837.58**	**.00632**	**.12135**	**.35852**	**7.4127**	**321.03**
Stddev	6.47	.00006	.00017	.00193	.0068	2.66
%RSD	.77242	.87288	.14284	.53932	.09156	.82794
#1	833.13	.00637	.12131	.35683	7.4049	318.24
#2	834.60	.00626	.12120	.35811	7.4165	321.32
#3	845.00	.00634	.12154	.36063	7.4168	323.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**56.018**	**.33616**	**133.59**	**5.5189**	**.03531**	**10.792**
Stddev	.218	.00086	.45	.0052	.00039	.024
%RSD	.38848	.25725	.33869	.09382	1.1151	.22062
#1	55.979	.33706	133.53	5.5228	.03577	10.799
#2	56.253	.33609	134.07	5.5209	.03509	10.812
#3	55.823	.33533	133.18	5.5130	.03509	10.766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Approved: April 07, 2011

Sample Name: L1103090814 Acquired: 4/7/2011 1:22:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ni2316	P_2149	Pb2203	Rb7800	S_1807	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25172**	**8.7646**	**.33672**	F **93.113**	F **1819.2**	F **-221980.**
Stddev	.00082	.0079	.00170	5.678	3.3	55.
%RSD	.32604	.09037	.50422	6.0974	.18027	.02465
#1	.25245	8.7567	.33516	90.722	1815.9	-221980.
#2	.25188	8.7725	.33853	89.022	1819.4	-221930.
#3	.25084	8.7645	.33648	99.595	1822.4	-222040.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
High Limit				9.0000	9.0000	9.0000
Low Limit				-.00400	-.00400	-.00400

Elem	Sb2068	Se1960	Si2124	Sn1899	Sr4077	Ti3372
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00651**	**.01594**	**1.3650**	**.02809**	**2.6541**	**2.7234**
Stddev	.00262	.00073	.0012	.00020	.0052	.0049
%RSD	40.277	4.6003	.08446	.72204	.19625	.17873
#1	.00946	.01511	1.3642	.02820	2.6564	2.7242
#2	.00560	.01620	1.3663	.02785	2.6579	2.7277
#3	.00446	.01650	1.3644	.02821	2.6482	2.7181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm
Avg	**.01450**	**.56141**	**.92371**	**.11313**
Stddev	.00246	.00148	.00120	.00035
%RSD	16.977	.26355	.13025	.30868
#1	.01486	.56132	.92236	.11275
#2	.01676	.55998	.92411	.11343
#3	.01187	.56293	.92467	.11321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Approved: April 07, 2011

Sample Name: L1103090814 Acquired: 4/7/2011 1:22:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30894.**	**27738.**
Stddev	40.	171.
%RSD	.12834	.61558
#1	30937.	27633.
#2	30887.	27645.
#3	30858.	27935.

Approved: April 07, 2011

Sample Name: L1103090815 Acquired: 4/7/2011 1:26:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02156**	**259.11**	**.10360**	**.25334**	**2.3905**	**.00767**	**771.92**
Stddev	.00113	.59	.00113	.00348	.0029	.00001	7.73
%RSD	5.2207	.22924	1.0913	1.3739	.11924	.09049	1.0009
#1	.02077	259.54	.10434	.25736	2.3900	.00768	780.52
#2	.02284	258.44	.10416	.25121	2.3936	.00766	765.57
#3	.02106	259.36	.10229	.25145	2.3880	.00767	769.66
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00623**	**.12582**	**.35670**	**1.1430**	**320.31**	**56.377**	**.34488**
Stddev	.00005	.00041	.00023	.0058	5.08	.064	.00037
%RSD	.81470	.32734	.06483	.50502	1.5873	.11390	.10828
#1	.00623	.12613	.35684	1.1466	325.91	56.382	.34445
#2	.00628	.12535	.35643	1.1363	315.99	56.310	.34504
#3	.00618	.12598	.35682	1.1460	319.03	56.438	.34514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**136.90**	**4.6323**	**.01782**	**7.8444**	**.25427**	**9.4313**	**.24969**
Stddev	.25	.0081	.00013	.0162	.00042	.0310	.00056
%RSD	.17930	.17435	.70991	.20648	.16706	.32824	.22578
#1	137.01	4.6395	.01787	7.8517	.25382	9.4600	.24924
#2	136.62	4.6235	.01792	7.8259	.25433	9.3985	.24950
#3	137.06	4.6339	.01768	7.8557	.25466	9.4353	.25032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090815 Acquired: 4/7/2011 1:26:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **90.155**	F **930.58**	F **-28651.**	**.00525**	**.00193**	**1.8239**	**.02308**
Stddev	10.405	4.32	29.	.00097	.00114	.0077	.00020
%RSD	11.541	.46381	.09969	18.466	58.817	.42461	.86795
#1	89.364	934.63	-28671.	.00635	.00087	1.8297	.02324
#2	100.93	926.04	-28618.	.00490	.00179	1.8151	.02315
#3	80.168	931.08	-28664.	.00451	.00313	1.8268	.02286
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.1256**	**3.3369**	**.01716**	**.58013**	**1.1052**	**.13537**
Stddev	.0039	.0027	.00116	.00156	.0034	.00093
%RSD	.18491	.08053	6.7495	.26973	.30672	.68992
#1	2.1266	3.3344	.01848	.58189	1.1082	.13638
#2	2.1212	3.3366	.01665	.57959	1.1016	.13520
#3	2.1289	3.3397	.01634	.57891	1.1059	.13453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30974.**	**27862.**
Stddev	145.	239.
%RSD	.46724	.85907
#1	30809.	27594.
#2	31083.	28055.
#3	31028.	27937.

Approved: April 07, 2011

Sample Name: L1103090816 Acquired: 4/7/2011 1:29:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02418**	**259.46**	**.10625**	**.25149**	**2.6436**	**.00697**	F **910.83**
Stddev	.00024	.48	.00142	.00250	.0027	.00003	6.66
%RSD	1.0009	.18514	1.3387	.99561	.10115	.42759	.73144
#1	.02428	259.07	.10687	.25293	2.6412	.00701	903.22
#2	.02435	259.30	.10725	.24860	2.6432	.00696	913.65
#3	.02390	259.99	.10462	.25293	2.6465	.00696	915.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							900.00
Low Limit							-.10000

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00663**	**.12905**	**.42773**	**.87921**	**302.49**	**51.986**	**.36421**
Stddev	.00010	.00013	.00115	.00087	3.31	.044	.00248
%RSD	1.5664	.10112	.26854	.09918	1.0948	.08518	.68064
#1	.00653	.12890	.42846	.87890	304.53	51.947	.36136
#2	.00674	.12909	.42832	.87853	298.67	51.977	.36549
#3	.00661	.12915	.42641	.88019	304.27	52.034	.36579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**138.32**	**4.9968**	**.01778**	**11.227**	**.28830**	**9.5595**	**.28662**
Stddev	.30	.0074	.00034	.008	.00016	.0144	.00110
%RSD	.21645	.14846	1.8906	.07353	.05616	.15044	.38519
#1	137.98	4.9908	.01747	11.235	.28848	9.5455	.28634
#2	138.45	4.9945	.01814	11.218	.28826	9.5588	.28784
#3	138.54	5.0051	.01772	11.228	.28817	9.5742	.28568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090816 Acquired: 4/7/2011 1:29:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **93.056**	F **1194.3**	F **-41421.**	**.00709**	**.00346**	**1.3356**	**.03154**
Stddev	9.757	1.6	81.	.00125	.00204	.0020	.00021
%RSD	10.485	.13418	.19448	17.621	59.027	.15227	.67453
#1	103.90	1193.5	-41347.	.00696	.00489	1.3374	.03163
#2	84.984	1193.2	-41409.	.00592	.00437	1.3334	.03129
#3	90.286	1196.1	-41507.	.00840	.00112	1.3360	.03169
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4219**	**3.7550**	**.01584**	**.57166**	**1.2266**	**.13693**
Stddev	.0021	.0036	.00129	.00158	.0011	.00030
%RSD	.08750	.09543	8.1194	.27711	.08898	.22095
#1	2.4216	3.7524	.01457	.57112	1.2259	.13672
#2	2.4200	3.7535	.01580	.57042	1.2261	.13728
#3	2.4242	3.7591	.01715	.57345	1.2279	.13680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**30864.**	**28363.**
Stddev	26.	77.
%RSD	.08509	.27276
#1	30840.	28318.
#2	30892.	28320.
#3	30860.	28453.

Approved: April 07, 2011

Sample Name: L1103090817 Acquired: 4/7/2011 1:33:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02108**	**186.04**	**.10687**	**.19915**	**1.6987**	**.00506**	**330.35**
Stddev	.00012	.61	.00081	.00219	.0022	.00001	4.21
%RSD	.56953	.32800	.75627	1.0981	.13232	.24664	1.2731
#1	.02095	186.08	.10766	.19698	1.7001	.00506	326.29
#2	.02119	186.63	.10689	.20135	1.6999	.00504	330.09
#3	.02109	185.41	.10604	.19912	1.6961	.00507	334.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00801**	**.11069**	**.31990**	**4.1413**	**286.84**	**44.233**	**.23466**
Stddev	.00013	.00012	.00106	.0048	4.50	.048	.00086
%RSD	1.6776	.10721	.33002	.11639	1.5686	.10771	.36668
#1	.00804	.11074	.32034	4.1459	281.70	44.209	.23367
#2	.00813	.11056	.32067	4.1363	290.03	44.288	.23518
#3	.00787	.11078	.31870	4.1417	288.81	44.202	.23514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**95.048**	**4.3117**	**.03718**	**3.7217**	**.21804**	**8.1287**	**.74873**
Stddev	.191	.0025	.00028	.0019	.00051	.0142	.00045
%RSD	.20091	.05847	.74790	.05142	.23616	.17424	.05968
#1	94.839	4.3093	.03715	3.7198	.21787	8.1450	.74903
#2	95.093	4.3144	.03748	3.7237	.21862	8.1200	.74822
#3	95.213	4.3115	.03693	3.7215	.21764	8.1211	.74895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090817 Acquired: 4/7/2011 1:33:28 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **87.894**	F **454.41**	F **-27906.**	**.00981**	**.00374**	**2.8472**	**.02870**
Stddev	1.288	.57	50.	.00134	.00102	.0012	.00038
%RSD	1.4657	.12649	.17983	13.655	27.346	.04349	1.3200
#1	87.602	455.05	-27955.	.00881	.00466	2.8486	.02871
#2	89.303	453.94	-27908.	.01133	.00391	2.8469	.02907
#3	86.777	454.25	-27855.	.00929	.00264	2.8461	.02831
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0451**	**3.0240**	**.01441**	**.47335**	**1.4777**	**.11033**
Stddev	.0024	.0039	.00116	.00176	.0003	.00035
%RSD	.22572	.13040	8.0661	.37123	.01799	.31642
#1	1.0458	3.0207	.01406	.47312	1.4774	.11071
#2	1.0470	3.0283	.01345	.47171	1.4778	.11025
#3	1.0424	3.0228	.01570	.47520	1.4779	.11003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31763.**	**28376.**
Stddev	60.	40.
%RSD	.18941	.14197
#1	31696.	28398.
#2	31780.	28401.
#3	31812.	28330.

Approved: April 07, 2011

Sample Name: L1103090818 Acquired: 4/7/2011 1:37:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01645**	**196.22**	**.09388**	**.18632**	**1.9895**	**.00675**	**329.18**
Stddev	.00067	.56	.00070	.00218	.0073	.00004	.78
%RSD	4.0875	.28699	.74355	1.1677	.36565	.59136	.23798
#1	.01567	196.44	.09334	.18863	1.9830	.00673	330.07
#2	.01679	196.64	.09467	.18604	1.9883	.00672	328.88
#3	.01688	195.58	.09363	.18430	1.9974	.00679	328.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	**.10694**	**.31915**	**1.7962**	**290.92**	**43.522**	**.24005**
Stddev	.00009	.00015	.00033	.0059	2.70	.010	.00044
%RSD	1.4671	.13945	.10198	.32670	.92804	.02218	.18130
#1	.00586	.10677	.31884	1.7954	293.50	43.530	.24032
#2	.00603	.10700	.31912	1.7909	291.15	43.511	.24029
#3	.00591	.10704	.31949	1.8025	288.11	43.524	.23955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**96.788**	**4.3624**	**.02126**	**4.1521**	**.22453**	**7.3770**	**.40274**
Stddev	.082	.0071	.00033	.0203	.00045	.0076	.00139
%RSD	.08453	.16287	1.5628	.48805	.20183	.10284	.34509
#1	96.705	4.3632	.02095	4.1653	.22422	7.3754	.40270
#2	96.868	4.3691	.02161	4.1623	.22432	7.3704	.40137
#3	96.792	4.3550	.02120	4.1288	.22505	7.3853	.40415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: L1103090818 Acquired: 4/7/2011 1:37:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **85.407**	F **416.55**	F **-18490.**	**.00617**	**.00450**	**3.5645**	**.02297**
Stddev	1.863	1.17	40.	.00052	.00051	.0072	.00052
%RSD	2.1815	.28127	.21836	8.4807	11.448	.20155	2.2716
#1	87.226	416.32	-18444.	.00670	.00391	3.5592	.02354
#2	85.492	415.50	-18510.	.00615	.00472	3.5616	.02252
#3	83.502	417.81	-18516.	.00565	.00487	3.5727	.02285
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1048**	**2.5206**	**.01478**	**.49822**	**.88896**	**.11008**
Stddev	.0038	.0014	.00144	.00244	.00214	.00022
%RSD	.34558	.05336	9.7725	.48897	.24038	.20035
#1	1.1070	2.5194	.01318	.49662	.88785	.10984
#2	1.1071	2.5203	.01599	.49703	.88760	.11015
#3	1.1004	2.5220	.01516	.50103	.89142	.11026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**31952.**	**28840.**
Stddev	84.	236.
%RSD	.26256	.81725
#1	31940.	28656.
#2	32041.	28758.
#3	31875.	29106.

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:40:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42601**	**9.8746**	**.42092**	**.52538**	**.99288**	**.05167**	**9.8923**
Stddev	.00356	.0745	.00021	.00190	.00328	.00018	.0414
%RSD	.83595	.75484	.05101	.36159	.33063	.34970	.41806
#1	.42739	9.8694	.42069	.52512	.99089	.05171	9.8937
#2	.42867	9.8029	.42095	.52740	.99107	.05183	9.8503
#3	.42197	9.9517	.42111	.52363	.99666	.05148	9.9330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05336**	**.21504**	**.52361**	**.53691**	**4.0405**	**50.290**	**1.0052**
Stddev	.00008	.00032	.00059	.00139	.0037	.205	.0028
%RSD	.14441	.14871	.11285	.25800	.09074	.40856	.27616
#1	.05342	.21505	.52407	.53767	4.0364	50.177	1.0038
#2	.05339	.21535	.52381	.53775	4.0417	50.165	1.0033
#3	.05328	.21472	.52294	.53531	4.0434	50.527	1.0084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.230**	**.51155**	**1.0019**	**49.298**	**.52719**	F **-.00225**	**.54132**
Stddev	.072	.00068	.0018	.225	.00083	.00045	.00222
%RSD	.69964	.13356	.18179	.45712	.15679	20.194	.41029
#1	10.235	.51109	1.0029	49.258	.52812	-.00251	.54368
#2	10.157	.51124	1.0029	49.095	.52691	-.00252	.53927
#3	10.300	.51234	.99975	49.540	.52654	-.00173	.54100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: April 07, 2011

Sample Name: CCV Acquired: 4/7/2011 1:40:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **7.9780**	**10.862**	**10.636**	**1.3039**	**.42193**	F **.01534**	**1.0679**
Stddev	4.1671	.032	1.781	.0059	.00134	.00032	.0027
%RSD	52.232	.29399	16.745	.45483	.31817	2.1183	.25538
#1	12.547	10.889	9.3008	1.3076	.42245	.01497	1.0696
#2	4.3858	10.826	12.658	1.2971	.42041	.01547	1.0693
#3	7.0016	10.869	9.9482	1.3070	.42294	.01558	1.0647
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000					5.0000	
Range	-10.000%					-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99591**	**1.0192**	**.54294**	**1.0427**	**1.0361**	F **.00082**
Stddev	.00366	.0036	.00238	.0040	.0023	.00007
%RSD	.36787	.34816	.43748	.38773	.22049	8.8873
#1	.99478	1.0172	.54545	1.0441	1.0376	.00076
#2	.99294	1.0172	.54073	1.0459	1.0372	.00079
#3	1.0000	1.0233	.54262	1.0382	1.0335	.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**32588.**	**26849.**
Stddev	64.	207.
%RSD	.19756	.77201
#1	32625.	27009.
#2	32514.	26922.
#3	32626.	26614.

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 1:44:11 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.02629**	**-.00057**	**-.00207**	**-.00021**	**.00001**	**.00405**
Stddev	.00038	.01170	.00104	.00012	.00020	.00000	.00296
%RSD	391.78	44.506	184.49	5.7089	94.471	30.789	72.923
#1	.00033	-.01927	-.00170	-.00205	-.00039	.00001	.00264
#2	-.00041	-.03980	-.00035	-.00197	-.00023	.00001	.00207
#3	-.00022	-.01980	.00035	-.00220	.00000	.00001	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00005**	**-.00010**	**-.00021**	**.00162**	**.16099**	**.00198**
Stddev	.00003	.00014	.00014	.00014	.00131	.01129	.00191
%RSD	115.07	312.54	144.58	67.182	80.863	7.0111	96.836
#1	-.00002	.00014	-.00024	-.00037	.00040	.17068	.00414
#2	-.00006	.00012	-.00011	-.00012	.00145	.14860	.00129
#3	.00000	-.00012	.00005	-.00014	.00300	.16369	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00805**	**.00048**	**-.00005**	**.02403**	**-.00017**	**-.00416**	**-.00179**
Stddev	.01196	.00016	.00008	.00571	.00049	.00250	.00034
%RSD	148.71	32.759	161.31	23.758	286.66	60.034	18.944
#1	-.00085	.00066	-.00014	.03058	-.00070	-.00685	-.00202
#2	.00334	.00035	.00002	.02137	-.00009	-.00191	-.00140
#3	.02165	.00044	-.00003	.02013	.00027	-.00372	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: April 07, 2011

Sample Name: CCB Acquired: 4/7/2011 1:44:11 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1316) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **14.112**	F **.13364**	F **-21.459**	**-.00016**	**-.00025**	**.00105**	**.00019**
Stddev	12.148	.02020	4.281	.00112	.00150	.00062	.00029
%RSD	86.087	15.117	19.947	707.61	595.56	58.726	154.90
#1	22.817	.15557	-18.012	.00099	-.00056	.00116	.00006
#2	19.285	.12956	-26.251	-.00021	.00138	.00160	-.00001
#3	.23304	.11578	-20.115	-.00126	-.00157	.00038	.00052
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00011**	**-.00071**	**.00002**	**.00103**	**-.00006**
Stddev	.00005	.00056	.00094	.00021	.00000	.00003
%RSD	67.996	528.81	131.25	1255.8	.35712	54.063
#1	-.00002	.00071	.00036	.00000	.00103	-.00006
#2	-.00007	-.00040	-.00113	-.00018	.00103	-.00010
#3	-.00012	.00001	-.00137	.00024	.00102	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**33195.**	**26447.**
Stddev	63.	500.
%RSD	.19102	1.8920
#1	33156.	26927.
#2	33160.	26485.
#3	33268.	25928.

Approved: April 07, 2011

2.1.2 Metals ICP-MS Data

2.1.2.1 Summary Data

Login Number: L11040180

Department: Metals

Analyst: Erin Long

METHOD

Preparation: SW-846 30513051A

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG360998 - All acceptance criteria were met.All acceptance criteria were met.

Matrix Spikes: WG360998 - Sample 01 was chosen by the client for MS/MSD analysis. Samples 02(MS) and 03(MSD) yielded noncompliant recoveries for chromium. Recoveries out of range were observed for the following analytes: Chromium, Total. Please see the applicable QC report for a detailed presentation of the failures.

SAMPLES

Samples: WG360998 - Due to the high levels of nontarget analytes, client samples 01, 02, and 03 were analyzed initially at dilutions for all analytes.All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 25156
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11040180

04/08/11 13:10

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4511-SS-DUP	L11040180-01	6020	5	06-APR-11
SWMU-57-4511-SS-MS	L11040180-02	6020	5	06-APR-11
SWMU-57-4511-SS-MSD	L11040180-03	6020	5	06-APR-11

Microbac Laboratories Inc.

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	**L11040180-01**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-4511-SS-DUP**	Prep Method:	**3051A**	Prep Date:	**04/06/2011 13:34**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**04/06/2011 16:17**
Workgroup Number:	**WG360998**	Analyst:	**EDL**	Run Date:	**04/06/2011 22:13**
Collect Date:	**04/05/2011 13:30**	Dilution:	**5**	File ID:	**EL.040611.221328**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**		**U**	**0.615**	**0.308**
Chromium, Total	**7440-47-3**	**15.5**		**2.46**	**1.23**

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	L11040180-02	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SWMU-57-4511-SS-MS	Prep Method:	3051A	Prep Date:	04/06/2011 13:34
Matrix:	Soil	Analytical Method:	6020	Cal Date:	04/06/2011 16:17
Workgroup Number:	WG360998	Analyst:	EDL	Run Date:	04/06/2011 22:20
Collect Date:	04/05/2011 13:30	Dilution:	5	File ID:	EL.040611.222035
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	78.4

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	7440-43-9	14.2		0.615	0.308
Chromium, Total	7440-47-3	34.9		2.46	1.23

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	**L11040180-03**	PrePrep Method:	**NONE**	Instrument:	**ELAN-ICP**
Client ID:	**SWMU-57-4511-SS-MSD**	Prep Method:	**3051A**	Prep Date:	**04/06/2011 13:34**
Matrix:	**Soil**	Analytical Method:	**6020**	Cal Date:	**04/06/2011 16:17**
Workgroup Number:	**WG360998**	Analyst:	**EDL**	Run Date:	**04/06/2011 22:27**
Collect Date:	**04/05/2011 13:30**	Dilution:	**5**	File ID:	**EL.040611.222742**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**78.4**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Cadmium, Total	**7440-43-9**	**13.2**		**0.615**	**0.308**
Chromium, Total	**7440-47-3**	**32.9**		**2.46**	**1.23**

2.1.2.2 QC Summary Data

Example 6020 Calculations
Perkin Elmer ELAN 6100

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	100
Vi = Initial volume	40
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/L)	0.25

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	200
Vi = Initial volume	0.5
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/kg)	40

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	40
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	50

50 ug/kg = 0.050 mg/kg

Perkin Elmer ELAN ICP/MS

STANDARDS KEY

QC Std 1 - ICV
QC Std 2 - ICB
QC Std 3 - LLICV
QC Std 4 - ICSA
QC Std 5 - ICSAB
QC Std 6 - CCV
QC Std 7 - CCB
QC Std 8 - LLCCV

Calibration Solutions

Analyte	Stock Conc. (mg/L)	S1 (mg/L)	S2 (mg/L)	S3 (mg/L)	S4 (mg/L)
Al	10	0	0.0004	0.05	0.1
Sb	10	0	0.0004	0.05	0.1
As	10	0	0.0004	0.05	0.1
Ba	10	0	0.0004	0.05	0.1
Be	10	0	0.0004	0.05	0.1
Ca	1000	0	0.04	5	10
Cd	10	0	0.0004	0.05	0.1
Cr	10	0	0.0004	0.05	0.1
Co	10	0	0.0004	0.05	0.1
Cu	10	0	0.0004	0.05	0.1
Fe	1000	0	0.04	5	10
Pb	10	0	0.0004	0.05	0.1
Mg	1000	0	0.04	5	10
Mn	10	0	0.0004	0.05	0.1
Ni	10	0	0.0004	0.05	0.1
K	1000	0	0.04	5	10
Se	10	0	0.0004	0.05	0.1
Ag	10	0	0.0004	0.05	0.1
Na	1000	0	0.04	5	10
Tl	10	0	0.0004	0.05	0.1
V	10	0	0.0004	0.05	0.1
U	1000	0	0.0004	0.05	0.1
Zn	10	0	0.0004	0.05	0.1

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG360983
Analyst: VC
Spike Analyst: VC
Run Date: 04/06/2011 13:34
Method: 3051A
Balance: BAL013
Instrument: MW-2

SOP: ME406 Revison 12
Spike Solution: STD41894
Spike Witness: ERP
HNO3 Lot #: COA15353
Digestion Tubes Lot #: COA15342

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG360983-02	BLANK	7	.5 g	200 mL	175.598 g	175.585 g		
2	WG360983-03	LCS	7	.5 g	200 mL	174.794 g	174.776 g	.5 mL	
3	L11040059-06	SAMP	7	.538 g	200 mL	174.841 g	174.831 g		04/13/11
4	L11040179-01	SAMP	7	.507 g	200 mL	175.369 g	175.359 g		04/07/11
5	L11040179-02	SAMP	7	.503 g	200 mL	173.906 g	173.889 g		04/07/11
6	L11040179-03	SAMP	7	.501 g	200 mL	174.056 g	174.047 g		04/07/11
7	L11040179-04	SAMP	7	.5 g	200 mL	173.709 g	173.703 g		04/07/11
8	WG360983-01	REF	7	.518 g	200 mL	174.142 g	174.131 g		
9	L11040180-01	RS01	7	.518 g	200 mL	174.142 g	174.131 g		04/13/11
10	WG360983-04	MS	7	.518 g	200 mL	176.488 g	176.485 g	.5 mL	
11	L11040180-02	MS01	7	.518 g	200 mL	176.488 g	176.485 g	.5 mL	04/13/11
12	WG360983-05	MSD	7	.518 g	200 mL	173.87 g	173.864 g	.5 mL	
13	L11040180-03	SD01	7	.518 g	200 mL	173.87 g	173.864 g	.5 mL	04/13/11

Analyst: Vicki Collins

Reviewer: Erin Potter

MW_DIG - Modified 09/30/2009
PDF ID: 1966342
Report generated: 04/06/2011 14:27

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040611B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36989

Calibration Std: STD44629 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44694 ICSAB: STD44833 Int. Std: STD44811
CCV: STD44692 LLCCV: STD44536

Workgroups: 360842, 360863, 360944, 360998

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.040611.155030	Blank	Blank		1		04/06/11 15:50
2	EL.040611.155714	WG361026-01	Calibration Point		1		04/06/11 15:57
3	EL.040611.160359	WG361026-02	Calibration Point		1		04/06/11 16:03
4	EL.040611.161045	WG361026-03	Calibration Point		1		04/06/11 16:10
5	EL.040611.161732	WG361026-04	Calibration Point		1		04/06/11 16:17
6	EL.040611.162417	WG361026-05	Initial Calibration Verification		1		04/06/11 16:24
7	EL.040611.163122	WG361026-06	Initial Calib Blank		1		04/06/11 16:31
8	EL.040611.163829	WG361026-07	Low Level Initial Calibration V		1		04/06/11 16:38
9	EL.040611.164539	WG361026-08	Interference Check		1		04/06/11 16:45
10	EL.040611.165247	WG361026-09	Interference Check		1		04/06/11 16:52
11	EL.040611.165955	WG361026-10	CCV		1		04/06/11 16:59
12	EL.040611.170702	WG361026-11	CCB		1		04/06/11 17:07
13	EL.040611.171407	L11040038-07	1103-191-7		5		04/06/11 17:14
14	EL.040611.172115	L11040038-08	1103-191-8		5		04/06/11 17:21
15	EL.040611.172823	L11040038-09	1103-191-9		5		04/06/11 17:28
16	EL.040611.173531	L11040038-10	1103-191-10		5		04/06/11 17:35
17	EL.040611.174239	WG361026-12	CCV		1		04/06/11 17:42
18	EL.040611.174945	WG361026-13	CCB		1		04/06/11 17:49
19	EL.040611.175651	WG360839-02	Method/Prep Blank	.5/200	1		04/06/11 17:56
20	EL.040611.180400	WG360839-03	Laboratory Control S	.5/200	1		04/06/11 18:04
21	EL.040611.181109	L11040098-01	SAMPLE \#3	.521/200	5		04/06/11 18:11
22	EL.040611.181817	L11040100-01	SAMPLE \#2	.504/200	5		04/06/11 18:18
23	EL.040611.182523	L11040102-01	SAMPLE \#1	.52/200	5		04/06/11 18:25
24	EL.040611.183229	L11040104-04	WSW-1	.512/200	5		04/06/11 18:32
25	EL.040611.183936	L11040104-06	WSW-2	.519/200	5		04/06/11 18:39
26	EL.040611.184643	WG360863-01	Post Digestion Spike		5	L11040104-06	04/06/11 18:46
27	EL.040611.185351	WG360863-02	Serial Dilution		25	L11040104-06	04/06/11 18:53
28	EL.040611.190058	WG361026-14	CCV		1		04/06/11 19:00
29	EL.040611.190804	WG361026-15	CCB		1		04/06/11 19:08
30	EL.040611.191511	WG360839-01	Reference Sample		5	L11040104-08	04/06/11 19:15
31	EL.040611.192219	WG360839-04	Matrix Spike	.527/200	5	L11040104-08	04/06/11 19:22
32	EL.040611.192927	WG360839-05	Matrix Spike Duplica	.527/200	5	L11040104-08	04/06/11 19:29
33	EL.040611.193636	WG361026-16	CCV		1		04/06/11 19:36
34	EL.040611.194342	WG361026-17	CCB		1		04/06/11 19:43

Page: 1 Approved: April 07, 2011

Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 040611B.REP
Analyst1: EDL Analyst2: N/A
Method: 6020 SOP: ME700 Rev: 7
Maintenance Log ID: 36989

Calibration Std: STD44629 ICV Std: STD44275 Post Spike: STD42704
ICSA: STD44694 ICSAB: STD44833 Int. Std: STD44811
CCV: STD44692 LLCCV: STD44536

Workgroups: 360842, 360863, 360944, 360998

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	EL.040611.195049	WG361026-18	Low Level Continuing Calibra		1		04/06/11 19:50
36	EL.040611.195759	WG360892-04	Method/Prep Blank	40/100	5		04/06/11 19:57
37	EL.040611.200508	WG360892-05	Laboratory Control S	40/100	1		04/06/11 20:05
38	EL.040611.201217	WG360892-03	Reference Sample		2	L11040149-01	04/06/11 20:12
39	EL.040611.201925	WG360892-09	Duplicate	40/100	2	L11040149-01	04/06/11 20:19
40	EL.040611.202632	WG360944-01	Post Digestion Spike		2	L11040149-01	04/06/11 20:26
41	EL.040611.203339	WG360944-02	Serial Dilution		10	L11040149-01	04/06/11 20:33
42	EL.040611.204046	WG361026-19	CCV		1		04/06/11 20:40
43	EL.040611.204752	WG361026-20	CCB		1		04/06/11 20:47
44	EL.040611.205458	WG360983-02	Method/Prep Blank	.5/200	1		04/06/11 20:54
45	EL.040611.210206	WG360983-03	Laboratory Control S	.5/200	1		04/06/11 21:02
46	EL.040611.210913	L11040059-06	GB-59-5	.538/200	5		04/06/11 21:09
47	EL.040611.211621	L11040179-01	SWMU-57-4411-SS-7.5-SW-	.507/200	5		04/06/11 21:16
48	EL.040611.212330	L11040179-02	SWMU-57-4411-SS-15-FC-N	.503/200	5		04/06/11 21:23
49	EL.040611.213039	L11040179-03	SWMU-57-4411-SS-15-FC-N	.501/200	5		04/06/11 21:30
50	EL.040611.213748	L11040179-04	SWMU-57-4511-SS-7.5-SW-	.5/200	5		04/06/11 21:37
51	EL.040611.214457	WG360998-01	Post Digestion Spike		5	L11040179-04	04/06/11 21:44
52	EL.040611.215207	WG360998-02	Serial Dilution		25	L11040179-04	04/06/11 21:52
53	EL.040611.215916	WG361026-21	CCV		1		04/06/11 21:59
54	EL.040611.220622	WG361026-22	CCB		1		04/06/11 22:06
55	EL.040611.221328	L11040180-01	SWMU-57-4511-SS-DUP		5	WG360983-01	04/06/11 22:13
56	EL.040611.222035	L11040180-02	SWMU-57-4511-SS-MS	.518/200	5	WG360983-04	04/06/11 22:20
57	EL.040611.222742	L11040180-03	SWMU-57-4511-SS-MSD	.518/200	5	WG360983-05	04/06/11 22:27
58	EL.040611.223450	WG361026-23	CCV		1		04/06/11 22:34
59	EL.040611.224156	WG361026-24	CCB		1		04/06/11 22:41

Comments

Seq.	Rerun	Dil.	Reason	Analytes
13			Data not used from 17:14 through 17:35 due to noncompliant results for arsenic.	

Page: 2 Approved: April 07, 2011

Sheri L. Babgard

Microbac Laboratories Inc.

Data Checklist

Date: 06-APR-2011
Analyst: EDL
Analyst: NA
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 361026
Runlog ID: 39876
Analytical Workgroups: 360863, 360944, 360998

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	X
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	098, 100, 102, 104, 059, 179, 180
Client Forms	X
Level X	
Level 3	059
Level 4	098, 100, 102, 104, 179, 180
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	EDL
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
07-APR-2011
Erin D. Long

Secondary Reviewer:
07-APR-2011
Sheri L. Blodgett

CHECKLIST1 - Modified 03/05/2008
Generated: APR-07-2011 11:08:08

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6020 AAB#: WG360998

Login Number: L11040180

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SWMU-57-4511-SS-DUP	01	04/05/11					04/06/11	1	180		04/06/11	1.4	180	
SWMU-57-4511-SS-MS	02	04/05/11					04/06/11	1	180		04/06/11	1.4	180	
SWMU-57-4511-SS-MSD	03	04/05/11					04/06/11	1	180		04/06/11	1.4	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1967181
Report generated 04/07/2011 08:10

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number:	L11040180	Work Group:	WG360998
Blank File ID:	EL.040611.205458	Blank Sample ID:	WG360983-02
Prep Date:	04/06/11 13:34	Instrument ID:	ELAN-ICP
Analyzed Date:	04/06/11 20:54	Method:	6020
Analyst:	EDL		

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG360983-03	EL.040611.210206	04/06/11 21:02	01
SWMU-57-4511-SS-DUP	L11040180-01	EL.040611.221328	04/06/11 22:13	DL01
SWMU-57-4511-SS-MS	L11040180-02	EL.040611.222035	04/06/11 22:20	DL01
SWMU-57-4511-SS-MSD	L11040180-03	EL.040611.222742	04/06/11 22:27	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1967182
Report generated 04/07/2011 08:10

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11040180 Prep Date: 04/06/11 13:34 Sample ID: WG360983-02
Instrument ID: ELAN-ICP Run Date: 04/06/11 20:54 Prep Method: 3051A
File ID: EL.040611.205458 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360998 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ELAN-I-06-APR-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Cadmium, Total	0.0500	0.100	0.0500	1	U
Chromium, Total	0.200	0.400	0.200	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1967183
07-APR-2011 08:10

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG360983-03
Instrument ID: ELAN-ICP Run Time: 21:02 Prep Method: 3051A
File ID: EL.040611.210206 Analyst: EDL Method: 6020
Workgroup (AAB#): WG360998 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-06-APR-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Cadmium, Total	10.0	9.25	92.5	80 - 120	
Chromium, Total	10.0	10.1	101	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1967184
Report generated: 04/07/2011 08:10

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11040180 Cal ID:ELAN-ICP- 06-APR-11 Worknum:WG360998
Instrument ID:ELAN-ICP Contract #: Prep Method:3051A
Parent ID:L11040180-01 File ID:EL.040611.221328 Dil:5 Method:6020
Sample ID:L11040180-02 MS File ID:EL.040611.222035 Dil:5 Matrix:Soil
Sample ID:L11040180-03 MSD File ID:EL.040611.222742 Dil:5 Units:mg/kg
Percent Solid:78.4

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Cadmium, Total	U	12.3	14.2	115	12.3	13.2	107	7.06	80 - 120	20	
Chromium, Total	15.5	12.3	34.9	157	12.3	32.9	142	5.72	80 - 120	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1967185
Report generated 04/07/2011 11:15

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11040180 **Worknum:** WG360998
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG360998-02 **File ID:** EL.040611.215207 **Dil:** 25 **Units:** ug/L
Sample: L11040179-04 **File ID:** EL.040611.213748 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Cadmium	ND	U	ND	U		
Chromium	36.55	X	25.75	X	29.50	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1967179
04/07/2011 08:10

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11040180 **Worknum:** WG360998
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG360998-01 **File ID:** EL.040611.214457 **Dil:** 5 **Units:** ug/L
Sample ID: L11040179-04 **File ID:** EL.040611.213748 **Dil:** 5 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
CADMIUM	58.8		0	U	50	117.5	75 - 125	
CHROMIUM	61.8		7.31		50	108.9	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1967180
Report generated: 04/07/2011 08:10

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11040180**	Workgroup (AAB#):	**WG360998**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG361026**	Initial Calibration Date:	**06-APR-2011 16:17**

	WG361026-01		WG361026-02		WG361026-03		WG361026-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
CADMIUM	0	-0.729	.4	552	50	67000	100	128000	.999952	
CHROMIUM	0	9030	.4	12300	50	404000	100	766000	.999968	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-06
Instrument ID: ELAN-ICP Run Time: 16:31 Method: 6020
File ID: EL.040611.163122 Analyst: EDL Units: ug/L
Workgroup (AAB#): WG360998 Cal ID: ELAN-ICP - 06-APR-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
CADMIUM	.125	.25	.125	U
CHROMIUM	.5	1	.5	U

U = Result is less than 2 x MDL

F = Result is between MDL and 2 x MDL

* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1967193
Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040180	Run Date:	04/06/2011	Sample ID:	WG361026-11
Instrument ID:	ELAN-ICP	Run Time:	17:07	Method:	6020
File ID:	EL.040611.170702	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967196
Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040180	Run Date:	04/06/2011	Sample ID:	WG361026-20
Instrument ID:	ELAN-ICP	Run Time:	20:47	Method:	6020
File ID:	EL.040611.204752	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967196
Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040180	Run Date:	04/06/2011	Sample ID:	WG361026-22
Instrument ID:	ELAN-ICP	Run Time:	22:06	Method:	6020
File ID:	EL.040611.220622	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967196
Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11040180	Run Date:	04/06/2011	Sample ID:	WG361026-24
Instrument ID:	ELAN-ICP	Run Time:	22:41	Method:	6020
File ID:	EL.040611.224156	Analyst:	EDL	Units:	ug/L
Workgroup (AAB#):	WG360998	Cal ID:	ELAN-I - 06-APR-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Cadmium	0.125	0.250	0.125	U
Chromium	0.500	1.00	0.500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1967196
Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-05

Instrument ID: ELAN-ICP Run Time: 16:24 Method: 6020

File ID: EL.040611.162417 Analyst: EDL Units: ug/L

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Cadmium		50	50.3	101	90 - 110	
Chromium		50	50.1	100	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1967192

Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-10

Instrument ID: ELAN-ICP Run Time: 16:59 Method: 6020

File ID: EL.040611.165955 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.2	ug/L	100	90 - 110		
Chromium		50.0	49.2	ug/L	98.4	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967195

Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-19

Instrument ID: ELAN-ICP Run Time: 20:40 Method: 6020

File ID: EL.040611.204046 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.4	ug/L	101	90 - 110		
Chromium		50.0	49.7	ug/L	99.5	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967195

Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-21

Instrument ID: ELAN-ICP Run Time: 21:59 Method: 6020

File ID: EL.040611.215916 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.8	ug/L	102	90 - 110		
Chromium		50.0	49.5	ug/L	98.9	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967195

Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-23

Instrument ID: ELAN-ICP Run Time: 22:34 Method: 6020

File ID: EL.040611.223450 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		50.0	50.9	ug/L	102	90 - 110		
Chromium		50.0	49.3	ug/L	98.7	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1967195

Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-07
Instrument ID: ELAN-ICP Run Time: 16:38 Method: 6020
File ID: EL.040611.163829 Analyst: EDL QC Key: DOD4
Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11
Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.190	ug/L	94.9	80 - 120		
Chromium		0.800	0.850	ug/L	106	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010
PDF File ID: 1967197
Report generated 04/07/2011 08:11

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11040180 Run Date: 04/06/2011 Sample ID: WG361026-18

Instrument ID: ELAN-ICP Run Time: 19:50 Method: 6020

File ID: EL.040611.195049 Analyst: EDL QC Key: DOD4

Workgroup (AAB#): WG360998 Cal ID: ELAN-I - 06-APR-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Cadmium		0.200	0.223	ug/L	112	80 - 120		
Chromium		0.800	0.887	ug/L	111	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1967197

Report generated 04/07/2011 08:11

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11040180 **Workgroup (AAB#):** WG360998
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG361026-08 **File ID:** EL.040611.164539 **Units:** ug/L
Sol. AB : WG361026-09 **File ID:** EL.040611.165247 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Cadmium	NS	0.0190	NS	100	102	102	
Chromium	NS	0.104	NS	100	101	101	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11040180 **Analytical Method** 6020
Analytical Workgroup: WG360998 **Matrix:** 7
Instrument: ELAN-ICP **Analyst:** EDL
ICAL Date: 06-APR-2011 15:57

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11040179-04	SAMP	06-APR-2011 21:37	97.611	97.967	94.603	94.552
L11040180-01	SAMP	06-APR-2011 22:13	95.226	97.649	95.222	93.476
L11040180-02	SAMP	06-APR-2011 22:20	95.516	98.827	94.455	93.137
L11040180-03	SAMP	06-APR-2011 22:27	96.13	100.917	97.233	95.452
WG360983-02	BLANK	06-APR-2011 20:54	98.34	96.93	94.955	96.636
WG360983-03	LCS	06-APR-2011 21:02	100.8	98.412	96.736	98.416
WG360998-01	PSPK	06-APR-2011 21:44	96.218	96.616	92.573	93.149
WG360998-02	SERIAL	06-APR-2011 21:52	98.76	100.114	97.898	95.864
WG361026-05	ICV	06-APR-2011 16:24	97.211	94.571	95.741	97.497
WG361026-06	ICB	06-APR-2011 16:31	99.474	97.796	97.729	97.915
WG361026-07	LLICV	06-APR-2011 16:38	100.126	99.157	99.207	99.391
WG361026-08	ICS	06-APR-2011 16:45	96.702	95.633	92.711	94.541
WG361026-09	ICS	06-APR-2011 16:52	96.884	85.703	81.439	90.359
WG361026-10	CCV	06-APR-2011 16:59	98.086	94.31	92.967	94.924
WG361026-11	CCB	06-APR-2011 17:07	100.183	96.323	95.675	95.769
WG361026-18	LLCCV	06-APR-2011 19:50	97.831	99.526	98.452	97.42
WG361026-19	CCV	06-APR-2011 20:40	97.913	94.33	92.663	95.716
WG361026-20	CCB	06-APR-2011 20:47	98.423	96.534	95.211	96.071
WG361026-21	CCV	06-APR-2011 21:59	94.71	96.848	97.609	95.728
WG361026-22	CCB	06-APR-2011 22:06	97.564	101.862	102.042	98.39
WG361026-23	CCV	06-APR-2011 22:34	93.328	97.767	97.454	96.732
WG361026-24	CCB	06-APR-2011 22:41	97.279	101.728	102.193	98.948

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1967189
Report generated: 04/07/2011 08:11

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11040180 **Date:** 12/07/2010
Insturment ID: ELAN-ICP **Method:** 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Barium	1.00	100.0
Cadmium	1.00	100.0
Chromium	1.00	100.0
Cobalt	1.00	100.0
Copper	1.00	100.0
Lead	1.00	100.0
Manganese	1.00	100.0
Nickel	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0
Uranium	1.00	100.0
Vanadium	1.00	100.0
Zinc	1.00	100.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1967188
Report generated: 04/07/2011 08:11

2.1.2.3 Raw Data

Instrument Tuning Report

File Name: 06302008.tun
File Path: C:\Elandata\Tuning\06302008.tun

Sample Information

Sample Date/Time: Wednesday, April 06, 2011 08:46:56

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.028	622	2060	0.765	
Li	7.016	7.029	1590	2060	0.723	
Co	58.933	58.928	14277	1990	0.676	
Ce	139.905	139.829	33974	2025	0.698	
Tl	204.975	204.877	49677	2255	0.719	

Relative Std. Dev.

Mass	Meas. Intens. RSD
2.000	0.461
3.000	0.876
4.000	29.432
5.000	11.560
6.000	2.951
7.000	3.008
8.000	30.373
9.000	5.397
58.000	2.522
59.000	1.649
60.000	15.147
139.000	3.604
140.000	0.350
141.000	9.552
204.000	4.035
205.000	1.193
206.000	1.169

Report Date/Time: Wednesday, April 06, 2011 08:48:07
Page 1

Approved: April 07, 2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Wednesday, April 06, 2011 09:44:55
Sample Description:
Method File: C:\Elandata\Method\6020 DAILY.mth
Dataset File: C:\elandata\Dataset\032811\Sample.649
Tuning File: C:\Elandata\Tuning\06302008.tun
Optimization File: C:\elandata\Optimize\Default.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 50
Current Dead Time (ns): 50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	49804.2	49804.218	264.027	0.5
	Rh	102.9	213529.8	213529.825	1229.533	0.6
	In	114.9	556988.2	556988.192	3248.921	0.6
	Pb	208.0	243340.7	243340.704	2032.787	0.8
	U	238.1	16.4	16.400	3.782	23.1
⌈>	Ba	137.9	296371.6	296371.601	657.833	0.2
⌊	Ba++	69.0	3972.9	0.013	0.000	1.0
⌈>	Ce	139.9	376662.3	376662.310	1724.159	0.5
⌊	CeO	155.9	9787.1	0.026	0.000	1.3
	Bkgd	220.0	13.9	13.900	2.302	16.6
	Ar2	79.9	4896675.0	4896675.043	15198.617	0.3

Current Optimization File Data

Current Value	Description
1.02	Nebulizer Gas Flow
6.40	Lens Voltage
1500.00	ICP RF Power
-1862.50	Analog Stage Voltage
1000.00	Pulse Stage Voltage
20.00	Discriminator Threshold
-10.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	33	5.3	3999.5
Co	59	33	6.0	120809.0
Rh	103	33	6.8	174421.7
Pb	208	33	7.8	173459.1

Sample ID: Sample
Report Date/Time: Wednesday, April 06, 2011 09:47:03
Page 1

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: Blank

Sample Date/Time: Wednesday, April 06, 2011 15:50:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

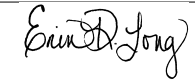
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22809.411					ug/L
|	Be	9	20.667					ug/L
|	Al	27	2200.244					ug/L
|>	Sc	45	171815.353					ug/L
⌈	Ti	49	50.005					ug/L
|	V	51	2872.351					ug/L
|	Cr	52	9124.253					ug/L
|	Cr	53	146.683					ug/L
|	Mn	55	349.343					ug/L
|	Co	59	58.001					ug/L
|	Ni	60	35.000					ug/L
|	Cu	65	190.337					ug/L
|	Zn	66	1734.501					ug/L
|>	Ge	72	319451.068					ug/L
|	As	75	-229.073					ug/L
|	Se	77	82.667					ug/L
|	Se	82	-5.933					ug/L
⌊	Rb	85	29.667					mg/L
	Y	89	252127.243					ug/L
	Rh	103	12.000					ug/L
⌈	Mo	98	40.877					ug/L
|	Ag	107	29.667					ug/L
|	Cd	114	-3.951					ug/L
|>	In	115	341993.452					ug/L
|	Sn	118	128.134					ug/L
⌊	Sb	123	27.737					ug/L
⌈	Ba	135	27.667					ug/L
|	Ce	140	23.336					ug/L
⌊>	Tb	159	474327.278					ug/L
⌈	Ho	165	30.003					ug/L
|	Tl	203	24.334					ug/L
|	Tl	205	30.003					ug/L
|	Pb	206	365.344					ug/L
|	Pb	207	323.342					ug/L
|	Pb	208	1499.393					ug/L
|	U	238	32.334					ug/L
⌊>	Bi	209	449225.124					ug/L

Sample ID: Blank
Report Date/Time: Wednesday, April 06, 2011 15:52:41
Page 1

Approved: April 07, 2011



Na	23	14328.364		mg/L
Mg	24	306.702		mg/L
K	39	333957.246		mg/L
Ca	43	180.020		mg/L
Fe	54	44580.689		mg/L
Fe	57	6596.169		mg/L
Sc-1	45	171815.353		mg/L
Cl	35	12593.925		mg/L
Kr	83	69.001		mg/L
Br	81	8582.349		mg/L
P	31	9808.147		mg/L
S	34	132078.596		mg/L
Sr	88	70.007		mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					

Sample ID: Blank
Report Date/Time: Wednesday, April 06, 2011 15:52:41

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Blank
Report Date/Time: Wednesday, April 06, 2011 15:52:41
Page 3

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Wednesday, April 06, 2011 15:57:14
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23126.735	-0.00				ug/L
|	Be	9	12.667	-0.00				ug/L
|	Al	27	2216.914	-0.00				ug/L
|>	Sc	45	180788.530	180788.53				ug/L
⌈	Ti	49	13.335	-0.00				ug/L
|	V	51	2834.295	-0.00				ug/L
|	Cr	52	9034.838	-0.00				ug/L
|	Cr	53	220.024	0.00				ug/L
|	Mn	55	376.678	0.00				ug/L
|	Co	59	61.334	0.00				ug/L
|	Ni	60	29.000	-0.00				ug/L
|	Cu	65	198.337	0.00				ug/L
|	Zn	66	1712.831	-0.00				ug/L
|>	Ge	72	320476.090	320476.09				ug/L
|	As	75	-178.707	0.00				ug/L
|	Se	77	72.000	-0.00				ug/L
|	Se	82	11.849	0.00				ug/L
⌊	Rb	85	25.000	-0.00				mg/L
	Y	89	249850.832	-2276.41				ug/L
	Rh	103	12.667	0.67				ug/L
⌈	Mo	98	34.758	-0.00				ug/L
|	Ag	107	28.000	-0.00				ug/L
|	Cd	114	-0.729	0.00				ug/L
|>	In	115	341056.112	341056.11				ug/L
|	Sn	118	114.801	-0.00				ug/L
⌊	Sb	123	28.944	0.00				ug/L
⌈	Ba	135	23.000	-0.00				ug/L
|	Ce	140	20.002	-0.00				ug/L
|>	Tb	159	475413.838	475413.84				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	17.334	-0.00				ug/L
|	Tl	205	23.336	-0.00				ug/L
|	Pb	206	397.012	0.00				ug/L
|	Pb	207	326.675	-0.00				ug/L
|	Pb	208	1538.395	0.00				ug/L
|	U	238	25.334	-0.00				ug/L
|>	Bi	209	456965.444	456965.44				ug/L

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Na	23	15082.877	0.00			mg/L
Mg	24	373.378	0.00			mg/L
K	39	330047.434	-0.12			mg/L
Ca	43	196.688	0.00			mg/L
Fe	54	44553.020	-0.01			mg/L
Fe	57	7176.626	0.00			mg/L
Sc-1	45	180788.530	180788.53			mg/L
Cl	35	12242.827	-351.10			mg/L
Kr	83	55.667	-13.33			mg/L
Br	81	9120.160	537.81			mg/L
P	31	10328.690	520.54			mg/L
S	34	131645.939	-432.66			mg/L
Sr	88	83.342	13.33			mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 1
Report Date/Time: Wednesday, April 06, 2011 15:59:26

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Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Wednesday, April 06, 2011 16:03:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25298.631	0.01				ug/L
|	Be	9	146.001	0.00				ug/L
|	Al	27	4817.839	0.01				ug/L
⌊>	Sc	45	177732.227	177732.23				ug/L
⌈	Ti	49	506.730	0.00				ug/L
|	V	51	6556.354	0.01				ug/L
|	Cr	52	12272.317	0.01				ug/L
|	Cr	53	593.411	0.00				ug/L
|	Mn	55	5681.671	0.02				ug/L
|	Co	59	3977.498	0.01				ug/L
|	Ni	60	875.714	0.00				ug/L
|	Cu	65	1095.404	0.00				ug/L
|	Zn	66	2479.666	0.00				ug/L
|>	Ge	72	322782.881	322782.88				ug/L
|	As	75	248.875	0.00				ug/L
|	Se	77	113.334	0.00				ug/L
|	Se	82	51.485	0.00				ug/L
⌊	Rb	85	53.334	0.00				mg/L
	Y	89	251248.741	-878.50				ug/L
	Rh	103	14.000	2.00				ug/L
⌈	Mo	98	2713.788	0.01				ug/L
|	Ag	107	2784.082	0.01				ug/L
|	Cd	114	551.812	0.00				ug/L
|>	In	115	339970.477	339970.48				ug/L
|	Sn	118	2305.199	0.01				ug/L
⌊	Sb	123	1633.430	0.00				ug/L
⌈	Ba	135	723.700	0.00				ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	472308.721	472308.72				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	3723.064	0.01				ug/L
|	Tl	205	9261.882	0.02				ug/L
|	Pb	206	3791.757	0.01				ug/L
|	Pb	207	3514.986	0.01				ug/L
|	Pb	208	15744.720	0.03				ug/L
|	U	238	21371.693	0.05				ug/L
⌊>	Bi	209	452273.409	452273.41				ug/L

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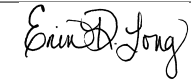

Na	23	261063.269	1.39			mg/L
Mg	24	150232.113	0.84			mg/L
K	39	656693.052	1.75			mg/L
Ca	43	1000.150	0.00			mg/L
Fe	54	68996.790	0.13			mg/L
Fe	57	17169.822	0.06			mg/L
Sc-1	45	177732.227	177732.23			mg/L
Cl	35	12356.304	-237.62			mg/L
Kr	83	59.334	-9.67			mg/L
Br	81	8952.675	370.33			mg/L
P	31	11004.797	1196.65			mg/L
S	34	137391.223	5312.63			mg/L
Sr	88	156.684	86.68			mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209					

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
Report Date/Time: Wednesday, April 06, 2011 16:06:11
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Wednesday, April 06, 2011 16:10:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22909.599	-0.01				ug/L
|	Be	9	17131.332	0.09	50.0000	3.611	7.221	ug/L
|	Al	27	298408.074	1.64	50.0000	2.118	4.236	ug/L
⌊>	Sc	45	180874.652	180874.65				ug/L
⌈	Ti	49	58446.137	0.19	100.0000	1.038	1.038	ug/L
|	V	51	464380.323	1.49	50.0000	0.173	0.345	ug/L
|	Cr	52	403775.958	1.28	50.0000	0.453	0.906	ug/L
|	Cr	53	45551.466	0.15	50.0000	1.649	3.298	ug/L
|	Mn	55	612239.922	1.98	50.0000	0.644	1.288	ug/L
|	Co	59	477379.102	1.54	50.0000	0.903	1.806	ug/L
|	Ni	60	98277.285	0.32	50.0000	0.910	1.820	ug/L
|	Cu	65	100686.718	0.33	50.0000	0.563	1.127	ug/L
|	Zn	66	61119.191	0.19	50.0000	0.953	1.905	ug/L
| >	Ge	72	308998.424	308998.42				ug/L
|	As	75	53922.510	0.18	50.0000	0.440	0.879	ug/L
|	Se	77	4438.985	0.01	50.0000	1.379	2.758	ug/L
|	Se	82	5618.528	0.02	50.0000	0.117	0.234	ug/L
⌊	Rb	85	2350.633	0.01				mg/L
	Y	89	238801.293	-13325.95				ug/L
	Rh	103	31.667	19.67				ug/L
⌈	Mo	98	319869.245	0.96	100.0000	0.517	0.517	ug/L
|	Ag	107	334476.134	1.01	50.0000	0.600	1.199	ug/L
|	Cd	114	67026.877	0.20	50.0000	0.489	0.979	ug/L
| >	In	115	332591.473	332591.47				ug/L
|	Sn	118	237060.526	0.71	50.0000	0.426	0.851	ug/L
⌊	Sb	123	199504.709	0.60	50.0000	0.278	0.556	ug/L
⌈	Ba	135	87804.395	0.19	50.0000	0.531	1.061	ug/L
|	Ce	140	56.673	0.00				ug/L
⌊>	Tb	159	467149.262	467149.26				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	456109.665	1.04	50.0000	0.729	1.459	ug/L
|	Tl	205	1142890.808	2.62	50.0000	0.473	0.947	ug/L
|	Pb	206	371584.335	0.85	50.0000	0.520	1.040	ug/L
|	Pb	207	349474.258	0.80	50.0000	0.412	0.823	ug/L
|	Pb	208	1558622.043	3.57	50.0000	0.209	0.417	ug/L
|	U	238	2607657.400	5.97	50.0000	0.349	0.699	ug/L
⌊>	Bi	209	436681.843	436681.84				ug/L

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Na	23	25593286.341	141.77	5.0000	0.339	6.781	mg/L	
Mg	24	17324738.454	96.07	5.0000	0.389	7.774	mg/L	
K	39	36166311.603	198.47	5.0000	0.317	6.335	mg/L	
Ca	43	91058.472	0.50	5.0000	0.292	5.840	mg/L	
Fe	54	2941482.694	16.04	5.0000	0.320	6.392	mg/L	
Fe	57	1217007.069	6.70	5.0000	0.191	3.820	mg/L	
> Sc-1	45	180874.652	180874.65				mg/L	
Cl	35	13351.580	757.65				mg/L	
Kr	83	54.001	-15.00				mg/L	
Br	81	8705.790	123.44				mg/L	
P	31	11888.409	2080.26				mg/L	
S	34	157608.263	25529.67				mg/L	
Sr	88	2387.190	2317.18				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209					

Sample ID: Standard 3
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 3
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Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Wednesday, April 06, 2011 16:17:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19452.303	-0.02				ug/L
|	Be	9	32762.932	0.19	99.5131	2.941	2.956	ug/L
|	Al	27	577318.201	3.30	100.3593	2.889	2.879	ug/L
⌊>	Sc	45	174272.175	174272.18				ug/L
⌈	Ti	49	115086.660	0.38	201.0731	2.958	1.471	ug/L
|	V	51	905795.651	3.00	100.1966	1.209	1.206	ug/L
|	Cr	52	766140.593	2.52	99.2064	0.561	0.566	ug/L
|	Cr	53	88219.557	0.29	99.8160	0.900	0.902	ug/L
|	Mn	55	1192332.840	3.96	100.0019	1.061	1.061	ug/L
|	Co	59	916739.713	3.05	99.2804	0.579	0.583	ug/L
|	Ni	60	188465.929	0.63	99.2238	0.352	0.354	ug/L
|	Cu	65	189039.022	0.63	98.2159	1.208	1.230	ug/L
|	Zn	66	115583.637	0.38	99.2858	0.804	0.810	ug/L
| >	Ge	72	301010.191	301010.19				ug/L
|	As	75	103207.224	0.34	99.0262	0.660	0.666	ug/L
|	Se	77	8585.020	0.03	100.0422	3.346	3.345	ug/L
|	Se	82	10508.198	0.03	97.9832	0.197	0.201	ug/L
⌊	Rb	85	4375.001	0.01				mg/L
	Y	89	229223.502	-22903.74				ug/L
	Rh	103	59.334	47.33				ug/L
⌈	Mo	98	617208.457	1.91	199.3801	2.208	1.107	ug/L
|	Ag	107	637878.772	1.98	99.1035	1.496	1.510	ug/L
|	Cd	114	127649.482	0.40	99.0248	1.738	1.755	ug/L
| >	In	115	322953.665	322953.67				ug/L
|	Sn	118	459792.636	1.42	99.9752	0.432	0.432	ug/L
⌊	Sb	123	386237.991	1.20	99.8442	0.485	0.486	ug/L
⌈	Ba	135	171089.985	0.37	99.2526	1.099	1.107	ug/L
|	Ce	140	80.008	0.00				ug/L
⌊>	Tb	159	462057.685	462057.69				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	885332.436	2.04	98.8746	0.643	0.650	ug/L
|	Tl	205	2177266.006	5.02	97.9445	2.496	2.548	ug/L
|	Pb	206	731325.705	1.69	99.6178	0.986	0.990	ug/L
|	Pb	207	691356.066	1.59	99.8741	1.620	1.622	ug/L
|	Pb	208	3066735.128	7.07	99.6017	0.434	0.436	ug/L
|	U	238	5160732.542	11.91	99.8454	0.124	0.125	ug/L
⌊>	Bi	209	433443.966	433443.97				ug/L

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Na	23	50642876.478	290.58	10.1266	0.394	3.891	mg/L
Mg	24	33360580.601	191.46	9.9844	0.320	3.201	mg/L
K	39	69124119.910	394.67	9.9735	0.194	1.942	mg/L
Ca	43	167380.326	0.96	9.7608	0.267	2.735	mg/L
Fe	54	5606389.200	31.91	9.9736	0.198	1.981	mg/L
Fe	57	2356273.347	13.48	10.0323	0.123	1.228	mg/L
> Sc-1	45	174272.175	174272.18				mg/L
Cl	35	13782.826	1188.90				mg/L
Kr	83	55.667	-13.33				mg/L
Br	81	7991.199	-591.15				mg/L
P	31	11112.838	1304.69				mg/L
S	34	162466.683	30388.09				mg/L
Sr	88	4171.288	4101.28				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209					

Sample ID: Standard 4
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
Report Date/Time: Wednesday, April 06, 2011 16:19:44
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Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Wednesday, April 06, 2011 16:24:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20704.829	-0.01				ug/L
|	Be	9	16247.192	0.09	49.0859	1.797	3.662	ug/L
|	Al	27	301032.820	1.71	51.8669	2.189	4.220	ug/L
⌊>	Sc	45	175205.533	175205.53				ug/L
⌈	Ti	49	62339.969	0.21	108.5237	2.873	2.648	ug/L
|	V	51	443222.705	1.46	48.7069	0.232	0.476	ug/L
|	Cr	52	392425.176	1.27	50.0931	0.228	0.455	ug/L
|	Cr	53	44831.422	0.15	50.4319	1.044	2.071	ug/L
|	Mn	55	596648.693	1.97	49.8377	0.728	1.461	ug/L
|	Co	59	455288.774	1.51	49.1255	0.117	0.238	ug/L
|	Ni	60	95953.782	0.32	50.3221	0.557	1.106	ug/L
|	Cu	65	94856.486	0.31	49.0428	1.287	2.625	ug/L
|	Zn	66	59056.179	0.19	49.7579	1.564	3.143	ug/L
| >	Ge	72	302109.113	302109.11				ug/L
|	As	75	52496.197	0.17	50.2769	0.727	1.446	ug/L
|	Se	77	4444.321	0.01	51.2005	0.965	1.885	ug/L
|	Se	82	5544.831	0.02	51.4909	0.160	0.310	ug/L
⌊	Rb	85	2234.272	0.01				mg/L
	Y	89	234094.918	-18032.33				ug/L
	Rh	103	45.667	33.67				ug/L
⌈	Mo	98	342497.289	1.05	109.1021	1.014	0.929	ug/L
|	Ag	107	330859.557	1.01	50.6904	0.368	0.725	ug/L
|	Cd	114	65679.726	0.20	50.2539	0.743	1.478	ug/L
| >	In	115	327426.712	327426.71				ug/L
|	Sn	118	256785.448	0.78	55.0357	0.292	0.531	ug/L
⌊	Sb	123	189073.115	0.58	48.2055	0.511	1.060	ug/L
⌈	Ba	135	85601.690	0.19	49.6127	0.555	1.119	ug/L
|	Ce	140	66.674	0.00				ug/L
⌊>	Tb	159	462453.573	462453.57				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	443272.699	1.02	49.1398	0.390	0.794	ug/L
|	Tl	205	1120189.091	2.57	50.0251	1.800	3.598	ug/L
|	Pb	206	375070.704	0.86	50.6636	0.901	1.778	ug/L
|	Pb	207	334008.179	0.76	47.8425	0.320	0.669	ug/L
|	Pb	208	1538368.407	3.52	49.5444	0.247	0.499	ug/L
|	U	238	2451838.338	5.61	47.0865	0.416	0.884	ug/L
⌊>	Bi	209	436697.179	436697.18				ug/L

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Na	23	25376318.372	144.82	5.0428	0.141	2.796	mg/L	
Mg	24	16200651.839	92.52	4.8226	0.159	3.287	mg/L	
K	39	34116304.388	192.85	4.8712	0.168	3.449	mg/L	
Ca	43	84850.398	0.48	4.9148	0.108	2.206	mg/L	
Fe	54	2831621.228	15.91	4.9713	0.104	2.090	mg/L	
Fe	57	1164352.171	6.61	4.9170	0.136	2.774	mg/L	
> Sc-1	45	175205.533	175205.53				mg/L	
Cl	35	14302.226	1708.30				mg/L	
Kr	83	52.667	-16.33				mg/L	
Br	81	7989.196	-593.15				mg/L	
P	31	10053.087	244.94				mg/L	
S	34	161787.582	29708.99				mg/L	
Sr	88	2333.840	2263.83				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9	98.172				
Al	27	103.734				
> Sc	45					
Ti	49	108.524				
V	51	97.414				
Cr	52	100.186				
Cr	53					
Mn	55	99.675				
Co	59	98.251				
Ni	60	100.644				
Cu	65	98.086				
Zn	66	99.516				
> Ge	72		94.571			
As	75	100.554				
Se	77					
Se	82	102.982				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.381				
Cd	114	100.508				
> In	115		95.741			
Sn	118					
Sb	123	96.411				
Ba	135	99.225				
Ce	140					
> Tb	159		97.497			
Ho	165					
Tl	203	98.280				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.089				
U	238	94.173				
> Bi	209		97.211			

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⌈	Na	23	100.855
|	Mg	24	96.452
|	K	39	97.423
|	Ca	43	98.295
|	Fe	54	99.425
|	Fe	57	98.340
⌊>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	
	Sr	88	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 1
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Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Wednesday, April 06, 2011 16:31:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20521.042	-0.02				ug/L
|	Be	9	11.333	-0.00	-0.0016	0.012	757.832	ug/L
|	Al	27	1666.807	-0.00	-0.1398	0.039	28.198	ug/L
⌊>	Sc	45	178003.827	178003.83				ug/L
⌈	Ti	49	43.338	-0.00	0.0472	0.035	73.977	ug/L
|	V	51	2714.963	-0.00	0.0120	0.006	48.828	ug/L
|	Cr	52	8734.901	-0.00	0.0035	0.011	327.520	ug/L
|	Cr	53	223.358	0.00	0.0164	0.043	262.828	ug/L
|	Mn	55	390.345	0.00	-0.0130	0.003	19.721	ug/L
|	Co	59	66.334	0.00	0.0052	0.001	27.783	ug/L
|	Ni	60	37.667	0.00	-0.0110	0.002	13.928	ug/L
|	Cu	65	184.004	-0.00	-0.0392	0.008	19.777	ug/L
|	Zn	66	1599.477	-0.00	-0.2733	0.046	16.806	ug/L
| >	Ge	72	312411.114	312411.11				ug/L
|	As	75	-180.406	0.00	0.0111	0.064	582.900	ug/L
|	Se	77	67.334	-0.00	-0.0798	0.054	67.334	ug/L
|	Se	82	1.449	0.00	-0.0351	0.094	266.610	ug/L
⌊	Rb	85	27.000	-0.00				mg/L
	Y	89	245727.362	-6399.88				ug/L
	Rh	103	15.000	3.00				ug/L
⌈	Mo	98	197.205	0.00	0.0286	0.004	14.427	ug/L
|	Ag	107	44.667	0.00	-0.0042	0.000	7.075	ug/L
|	Cd	114	1.268	0.00	-0.0058	0.005	80.998	ug/L
| >	In	115	334227.845	334227.84				ug/L
|	Sn	118	363.607	0.00	0.0000	0.007	36093.697	ug/L
⌊	Sb	123	457.961	0.00	0.1133	0.011	9.512	ug/L
⌈	Ba	135	25.667	-0.00	0.0040	0.002	57.580	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	464438.729	464438.73				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	57.667	0.00	0.0077	0.000	6.115	ug/L
|	Tl	205	116.679	0.00	0.0057	0.001	22.502	ug/L
|	Pb	206	386.345	0.00	-0.0444	0.004	9.390	ug/L
|	Pb	207	349.343	0.00	-0.0380	0.001	3.197	ug/L
|	Pb	208	1588.399	0.00	-0.0404	0.002	6.110	ug/L
|	U	238	183.004	0.00	0.0072	0.000	0.978	ug/L
⌊>	Bi	209	446861.705	446861.71				ug/L

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Erin D. Long

⌈	Na	23	18412.108	0.02	-0.0076	0.000	1.069	mg/L
|	Mg	24	1026.822	0.00	-0.0038	0.000	0.583	mg/L
|	K	39	346539.954	0.00	-0.0042	0.001	20.890	mg/L
|	Ca	43	226.692	0.00	-0.0043	0.005	116.973	mg/L
|	Fe	54	42137.334	-0.02	-0.0073	0.001	9.531	mg/L
|	Fe	57	5902.335	-0.01	-0.0072	0.001	16.631	mg/L
⌊>	Sc-1	45	178003.827	178003.83				mg/L
	Cl	35	12740.111	146.19				mg/L
	Kr	83	63.334	-5.67				mg/L
	Br	81	8611.708	29.36				mg/L
	P	31	9222.286	-585.86				mg/L
	S	34	143235.590	11156.99				mg/L
	Sr	88	86.676	16.67				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.796			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.729			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.915			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.474			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
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Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Wednesday, April 06, 2011 16:38:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21172.400	-0.01				ug/L
|	Be	9	14.667	-0.00	0.0084	0.020	240.495	ug/L
|	Al	27	2900.423	0.00	0.0736	0.052	70.267	ug/L
⌊>	Sc	45	177172.638	177172.64				ug/L
⌈	Ti	49	50.005	0.00	0.0577	0.077	132.920	ug/L
|	V	51	6647.058	0.01	0.4225	0.018	4.158	ug/L
|	Cr	52	15660.081	0.02	0.8499	0.046	5.418	ug/L
|	Cr	53	1050.160	0.00	0.9045	0.080	8.841	ug/L
|	Mn	55	6833.069	0.02	0.5002	0.003	0.608	ug/L
|	Co	59	3922.142	0.01	0.4019	0.007	1.857	ug/L
|	Ni	60	3361.265	0.01	1.6519	0.039	2.352	ug/L
|	Cu	65	1800.180	0.01	0.7585	0.019	2.491	ug/L
|	Zn	66	8935.747	0.02	5.7947	0.131	2.264	ug/L
| >	Ge	72	316757.861	316757.86				ug/L
|	As	75	264.578	0.00	0.4187	0.124	29.605	ug/L
|	Se	77	108.667	0.00	0.3704	0.244	65.791	ug/L
|	Se	82	54.482	0.00	0.4357	0.286	65.635	ug/L
⌊	Rb	85	23.334	-0.00				mg/L
	Y	89	250131.717	-1995.53				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	104.727	0.00	-0.0007	0.002	278.354	ug/L
|	Ag	107	2858.104	0.01	0.4118	0.005	1.187	ug/L
|	Cd	114	266.091	0.00	0.1898	0.024	12.483	ug/L
| >	In	115	339282.978	339282.98				ug/L
|	Sn	118	211.336	0.00	-0.0327	0.003	7.730	ug/L
⌊	Sb	123	1754.950	0.01	0.4308	0.022	5.124	ug/L
⌈	Ba	135	1409.113	0.00	0.7908	0.027	3.472	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	471437.998	471438.00				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	783.039	0.00	0.0857	0.006	6.509	ug/L
|	Tl	205	2013.738	0.00	0.0879	0.005	5.606	ug/L
|	Pb	206	3516.988	0.01	0.3666	0.024	6.481	ug/L
|	Pb	207	3195.209	0.01	0.3582	0.007	2.068	ug/L
|	Pb	208	14488.964	0.03	0.3634	0.007	2.023	ug/L
|	U	238	21138.531	0.05	0.3978	0.005	1.247	ug/L
⌊>	Bi	209	449791.840	449791.84				ug/L

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Na	23	11360.921	-0.02	-0.0090	0.000	0.822	mg/L
Mg	24	396.715	0.00	-0.0040	0.000	0.723	mg/L
K	39	334938.211	-0.05	-0.0056	0.001	13.278	mg/L
Ca	43	173.352	-0.00	-0.0073	0.001	18.340	mg/L
Fe	54	42075.765	-0.02	-0.0071	0.001	21.072	mg/L
Fe	57	6175.863	-0.00	-0.0060	0.001	22.131	mg/L
> Sc-1	45	177172.638	177172.64				mg/L
Cl	35	12278.867	-315.06				mg/L
Kr	83	59.667	-9.33				mg/L
Br	81	8754.498	172.15				mg/L
P	31	10309.330	501.18				mg/L
S	34	139431.361	7352.77				mg/L
Sr	88	86.676	16.67				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	105.627				
Cr	52	106.236				
Cr	53					
Mn	55	100.049				
Co	59	100.483				
Ni	60	103.244				
Cu	65	94.809				
Zn	66	92.715				
> Ge	72		99.157			
As	75	104.679				
Se	77					
Se	82	108.932				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	102.944				
Cd	114	94.876				
> In	115		99.207			
Sn	118					
Sb	123	107.699				
Ba	135	105.438				
Ce	140					
> Tb	159		99.391			
Ho	165					
Tl	203	107.159				
Tl	205					
Pb	206					
Pb	207					
Pb	208	90.844				
U	238	99.455				
> Bi	209		100.126			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
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Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Wednesday, April 06, 2011 16:45:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22091.164	-0.00				ug/L
|	Be	9	14.667	-0.00	0.0115	0.005	42.495	ug/L
|	Al	27	23841395.392	143.18	4355.0885	76.206	1.750	ug/L
⌊>	Sc	45	166525.686	166525.69				ug/L
⌈	Ti	49	55284.586	0.18	95.1564	0.762	0.800	ug/L
|	V	51	2441.152	-0.00	-0.0115	0.021	187.633	ug/L
|	Cr	52	9317.432	0.00	0.1036	0.005	4.512	ug/L
|	Cr	53	973.478	0.00	0.8601	0.060	7.026	ug/L
|	Mn	55	3283.905	0.01	0.2269	0.004	1.979	ug/L
|	Co	59	1814.516	0.01	0.1919	0.004	1.981	ug/L
|	Ni	60	939.054	0.00	0.4573	0.028	6.093	ug/L
|	Cu	65	714.033	0.00	0.2346	0.010	4.252	ug/L
|	Zn	66	2269.614	0.00	0.3336	0.025	7.619	ug/L
|>	Ge	72	305500.377	305500.38				ug/L
|	As	75	-233.051	-0.00	-0.0420	0.075	177.356	ug/L
|	Se	77	135.334	0.00	0.7247	0.276	38.025	ug/L
|	Se	82	-3.922	0.00	-0.0839	0.054	64.682	ug/L
⌊	Rb	85	2059.233	0.01				mg/L
	Y	89	226935.555	-25191.69				ug/L
	Rh	103	23.000	11.00				ug/L
⌈	Mo	98	318681.991	1.00	104.8324	1.004	0.958	ug/L
|	Ag	107	97.001	0.00	0.0044	0.002	44.108	ug/L
|	Cd	114	32.681	0.00	0.0190	0.025	133.866	ug/L
|>	In	115	317065.102	317065.10				ug/L
|	Sn	118	190.802	0.00	-0.0342	0.002	6.183	ug/L
⌊	Sb	123	219.618	0.00	0.0567	0.001	0.977	ug/L
⌈	Ba	135	64.001	0.00	0.0275	0.004	15.284	ug/L
|	Ce	140	253.362	0.00				ug/L
⌊>	Tb	159	448434.967	448434.97				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	42.334	0.00	0.0062	0.002	32.159	ug/L
|	Tl	205	63.340	0.00	0.0034	0.001	27.779	ug/L
|	Pb	206	474.349	0.00	-0.0310	0.001	3.659	ug/L
|	Pb	207	409.346	0.00	-0.0279	0.004	13.056	ug/L
|	Pb	208	1916.092	0.00	-0.0284	0.003	9.361	ug/L
|	U	238	48.667	0.00	0.0047	0.000	1.061	ug/L
⌊>	Bi	209	434410.311	434410.31				ug/L

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Na	23	59983985.676	360.12	12.5520	0.146	1.165	mg/L	
Mg	24	15604801.415	93.77	4.8881	0.205	4.188	mg/L	
K	39	32857884.117	195.44	4.9366	0.112	2.275	mg/L	
Ca	43	238972.183	1.43	14.6042	0.545	3.731	mg/L	
Fe	54	7003939.505	41.82	13.0707	0.492	3.768	mg/L	
Fe	57	2976324.918	17.84	13.2765	0.269	2.026	mg/L	
> Sc-1	45	166525.686	166525.69				mg/L	
Cl	35	1577205.194	1564611.27				mg/L	
Kr	83	67.668	-1.33				mg/L	
Br	81	8220.046	-362.30				mg/L	
P	31	1495038.526	1485230.38				mg/L	
S	34	285524.993	153446.40				mg/L	
Sr	88	9782.428	9712.42				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.633			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.711			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.541			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.702			

Sample ID: QC Std 4
Report Date/Time: Wednesday, April 06, 2011 16:47:52

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
Report Date/Time: Wednesday, April 06, 2011 16:47:52
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Wednesday, April 06, 2011 16:52:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23744.838	0.01				ug/L
|	Be	9	33581.636	0.21	108.9268	1.648	1.513	ug/L
|	Al	27	22296562.157	136.67	4157.1164	159.425	3.835	ug/L
⌊>	Sc	45	163170.566	163170.57				ug/L
⌈	Ti	49	52459.158	0.19	100.7692	2.246	2.229	ug/L
|	V	51	796701.164	2.90	96.8882	1.485	1.533	ug/L
|	Cr	52	711019.046	2.57	101.2505	0.171	0.169	ug/L
|	Cr	53	123109.272	0.45	153.3119	6.637	4.329	ug/L
|	Mn	55	1117120.208	4.08	103.0214	1.305	1.267	ug/L
|	Co	59	871152.228	3.18	103.7379	2.091	2.015	ug/L
|	Ni	60	184054.944	0.67	106.5441	0.767	0.720	ug/L
|	Cu	65	180520.459	0.66	103.1142	1.249	1.211	ug/L
|	Zn	66	113344.567	0.41	107.1737	0.793	0.740	ug/L
|>	Ge	72	273778.065	273778.07				ug/L
|	As	75	91862.898	0.34	96.9160	0.309	0.318	ug/L
|	Se	77	10241.909	0.04	131.4966	0.968	0.736	ug/L
|	Se	82	9321.575	0.03	95.5673	1.123	1.175	ug/L
⌊	Rb	85	1720.832	0.01				mg/L
	Y	89	194767.758	-57359.49				ug/L
	Rh	103	54.001	42.00				ug/L
⌈	Mo	98	272963.595	0.98	102.2345	1.451	1.419	ug/L
|	Ag	107	551998.983	1.98	99.4360	0.948	0.953	ug/L
|	Cd	114	113217.513	0.41	101.8333	1.961	1.926	ug/L
|>	In	115	278514.494	278514.49				ug/L
|	Sn	118	614.286	0.00	0.0787	0.019	24.364	ug/L
⌊	Sb	123	339512.860	1.22	101.7815	1.421	1.396	ug/L
⌈	Ba	135	147589.294	0.34	92.3061	0.747	0.809	ug/L
|	Ce	140	223.358	0.00				ug/L
⌊>	Tb	159	428595.842	428595.84				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	893926.392	2.05	99.4298	0.712	0.716	ug/L
|	Tl	205	2240841.577	5.15	100.3903	0.690	0.687	ug/L
|	Pb	206	758252.643	1.74	102.8617	0.727	0.707	ug/L
|	Pb	207	673266.403	1.55	96.8497	0.825	0.852	ug/L
|	Pb	208	3130644.567	7.19	101.2594	0.784	0.774	ug/L
|	U	238	5409396.147	12.43	104.2241	1.325	1.271	ug/L
⌊>	Bi	209	435229.496	435229.50				ug/L

Sample ID: QC Std 5
Report Date/Time: Wednesday, April 06, 2011 16:55:01
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Approved: April 07, 2011

Na	23	53323069.034	326.73	11.3873	0.206	1.811	mg/L	
Mg	24	14403240.157	88.27	4.6012	0.039	0.858	mg/L	
K	39	32412909.207	196.73	4.9694	0.130	2.613	mg/L	
Ca	43	230038.581	1.41	14.3395	0.219	1.527	mg/L	
Fe	54	6425599.284	39.12	12.2267	0.164	1.345	mg/L	
Fe	57	2801903.173	17.13	12.7513	0.170	1.332	mg/L	
> Sc-1	45	163170.566	163170.57				mg/L	
Cl	35	61734081.426	61721487.50				mg/L	
Kr	83	68.001	-1.00				mg/L	
Br	81	9958.965	1376.62				mg/L	
P	31	1364396.523	1354588.38				mg/L	
S	34	266058.243	133979.65				mg/L	
Sr	88	8427.731	8357.72				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	96.888				
Cr	52	101.250				
Cr	53					
Mn	55	103.021				
Co	59	103.738				
Ni	60	106.544				
Cu	65	103.114				
Zn	66	107.174				
> Ge	72		85.703			
As	75	96.916				
Se	77					
Se	82	95.567				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.436				
Cd	114	101.833				
> In	115		81.439			
Sn	118					
Sb	123	101.781				
Ba	135	92.306				
Ce	140					
> Tb	159		90.359			
Ho	165					
Tl	203	99.430				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.259				
U	238	104.224				
> Bi	209		96.884			

Sample ID: QC Std 5
Report Date/Time: Wednesday, April 06, 2011 16:55:01

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
Report Date/Time: Wednesday, April 06, 2011 16:55:01
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 16:59:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.835	-0.01				ug/L
|	Be	9	16813.459	0.09	49.8028	1.562	3.136	ug/L
|	Al	27	282058.988	1.57	47.6101	2.011	4.225	ug/L
|>	Sc	45	178682.890	178682.89				ug/L
⌈	Ti	49	56075.722	0.19	97.8821	1.778	1.817	ug/L
|	V	51	446958.494	1.47	49.2639	1.246	2.530	ug/L
|	Cr	52	384395.437	1.25	49.1882	0.792	1.610	ug/L
|	Cr	53	48368.209	0.16	54.5732	0.732	1.341	ug/L
|	Mn	55	594741.714	1.97	49.8176	0.749	1.503	ug/L
|	Co	59	462284.028	1.53	50.0199	0.264	0.527	ug/L
|	Ni	60	97164.179	0.32	51.0947	0.837	1.637	ug/L
|	Cu	65	97157.339	0.32	50.3725	0.674	1.338	ug/L
|	Zn	66	60327.695	0.19	51.0016	0.209	0.411	ug/L
|>	Ge	72	301273.428	301273.43				ug/L
|	As	75	51587.058	0.17	49.5434	0.109	0.219	ug/L
|	Se	77	4449.656	0.01	51.4064	0.502	0.977	ug/L
|	Se	82	5408.391	0.02	50.3613	0.909	1.806	ug/L
⌊	Rb	85	2147.919	0.01				mg/L
	Y	89	230980.091	-21147.15				ug/L
	Rh	103	37.667	25.67				ug/L
⌈	Mo	98	311377.502	0.98	102.1457	0.322	0.315	ug/L
|	Ag	107	315568.552	0.99	49.7895	0.503	1.010	ug/L
|	Cd	114	63673.914	0.20	50.1703	1.011	2.016	ug/L
|>	In	115	317940.508	317940.51				ug/L
|	Sn	118	227715.602	0.72	50.2542	0.282	0.561	ug/L
⌊	Sb	123	190077.184	0.60	49.9093	0.177	0.354	ug/L
⌈	Ba	135	83519.549	0.19	49.7197	0.982	1.975	ug/L
|	Ce	140	46.671	0.00				ug/L
|>	Tb	159	450250.586	450250.59				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	451179.095	1.02	49.5778	0.855	1.724	ug/L
|	Tl	205	1105417.377	2.51	48.9213	0.993	2.029	ug/L
|	Pb	206	366821.960	0.83	49.1122	1.078	2.194	ug/L
|	Pb	207	346625.531	0.79	49.2182	1.173	2.383	ug/L
|	Pb	208	1537926.908	3.49	49.0960	0.858	1.747	ug/L
|	U	238	2652445.069	6.02	50.4883	0.700	1.387	ug/L
|>	Bi	209	440625.599	440625.60				ug/L

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:02:08
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Na	23	24466329.186	136.84	4.7643	0.111	2.323	mg/L	
Mg	24	16604928.604	92.98	4.8466	0.157	3.238	mg/L	
K	39	34768934.255	192.70	4.8674	0.094	1.922	mg/L	
Ca	43	85556.572	0.48	4.8583	0.119	2.456	mg/L	
Fe	54	2814910.731	15.50	4.8425	0.164	3.395	mg/L	
Fe	57	1182911.968	6.59	4.8986	0.162	3.314	mg/L	
> Sc-1	45	178682.890	178682.89				mg/L	
Cl	35	42987.018	30393.09				mg/L	
Kr	83	56.334	-12.67				mg/L	
Br	81	7813.718	-768.63				mg/L	
P	31	8753.169	-1054.98				mg/L	
S	34	144137.896	12059.30				mg/L	
Sr	88	2283.823	2213.82				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	98.528				
Cr	52	98.376				
Cr	53					
Mn	55	99.635				
Co	59	100.040				
Ni	60	102.189				
Cu	65	100.745				
Zn	66	102.003				
> Ge	72		94.310			
As	75	99.087				
Se	77					
Se	82	100.723				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.579				
Cd	114	100.341				
> In	115		92.967			
Sn	118					
Sb	123	99.819				
Ba	135	99.439				
Ce	140					
> Tb	159		94.924			
Ho	165					
Tl	203	99.156				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.192				
U	238	100.977				
> Bi	209		98.086			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:02:08

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:02:08
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 17:07:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21673.473	-0.01				ug/L
|	Be	9	12.667	-0.00	0.0032	0.021	649.692	ug/L
|	Al	27	1933.521	-0.00	-0.0911	0.037	40.104	ug/L
⌊>	Sc	45	176630.512	176630.51				ug/L
⌈	Ti	49	86.676	0.00	0.1225	0.010	8.073	ug/L
|	V	51	2223.432	-0.00	-0.0370	0.015	39.644	ug/L
|	Cr	52	8863.349	0.00	0.0368	0.013	34.492	ug/L
|	Cr	53	2140.444	0.01	2.1476	0.196	9.107	ug/L
|	Mn	55	373.344	0.00	-0.0139	0.002	16.466	ug/L
|	Co	59	67.668	0.00	0.0055	0.001	13.574	ug/L
|	Ni	60	43.334	0.00	-0.0078	0.007	86.916	ug/L
|	Cu	65	189.337	0.00	-0.0351	0.006	15.724	ug/L
|	Zn	66	1609.479	-0.00	-0.2441	0.020	8.218	ug/L
|>	Ge	72	307704.856	307704.86				ug/L
|	As	75	-204.845	0.00	-0.0143	0.038	266.151	ug/L
|	Se	77	96.667	0.00	0.2686	0.226	84.241	ug/L
|	Se	82	-5.928	-0.00	-0.1023	0.092	89.481	ug/L
⌊	Rb	85	29.334	0.00				mg/L
	Y	89	240184.174	-11943.07				ug/L
	Rh	103	17.000	5.00				ug/L
⌈	Mo	98	165.208	0.00	0.0198	0.006	30.538	ug/L
|	Ag	107	46.334	0.00	-0.0038	0.001	21.937	ug/L
|	Cd	114	-1.226	0.00	-0.0077	0.001	12.511	ug/L
|>	In	115	327201.394	327201.39				ug/L
|	Sn	118	273.204	0.00	-0.0178	0.003	14.886	ug/L
⌊	Sb	123	210.114	0.00	0.0525	0.008	15.331	ug/L
⌈	Ba	135	22.000	-0.00	0.0022	0.002	101.799	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	454257.069	454257.07				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	152.669	0.00	0.0179	0.002	13.341	ug/L
|	Tl	205	383.379	0.00	0.0172	0.003	19.568	ug/L
|	Pb	206	377.344	0.00	-0.0460	0.003	5.724	ug/L
|	Pb	207	366.677	0.00	-0.0359	0.005	13.922	ug/L
|	Pb	208	1586.065	0.00	-0.0409	0.002	4.514	ug/L
|	U	238	218.338	0.00	0.0078	0.001	10.360	ug/L
⌊>	Bi	209	450048.713	450048.71				ug/L

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:09:13
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Approved: April 07, 2011

Na	23	16919.337	0.01	-0.0079	0.000	1.350	mg/L	
Mg	24	1113.508	0.00	-0.0038	0.000	1.219	mg/L	
K	39	322800.465	-0.12	-0.0072	0.001	20.157	mg/L	
Ca	43	206.690	0.00	-0.0053	0.005	97.385	mg/L	
Fe	54	42368.094	-0.02	-0.0063	0.004	68.191	mg/L	
Fe	57	5982.389	-0.00	-0.0067	0.000	4.015	mg/L	
> Sc-1	45	176630.512	176630.51				mg/L	
Cl	35	24920.357	12326.43				mg/L	
Kr	83	68.334	-0.67				mg/L	
Br	81	7915.802	-666.55				mg/L	
P	31	8158.668	-1649.48				mg/L	
S	34	133015.058	936.46				mg/L	
Sr	88	83.342	13.33				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.323			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.675			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.769			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.183			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:09:13

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:09:13
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Approved: April 07, 2011

Data not used from 17:14 through 17:35, due to noncompliant results for As.

Method 6020 - Summary Report

Sample ID: L1104003807

Sample Date/Time: Wednesday, April 06, 2011 17:14:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 40
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21924.017	-0.01				ug/L
|	Be	9	15.333	-0.00	0.0106	0.021	195.004	ug/L
|	Al	27	15445.278	0.08	2.2572	0.060	2.645	ug/L
⌊>	Sc	45	175104.651	175104.65				ug/L
⌈	Ti	49	43.338	-0.00	0.0459	0.058	126.235	ug/L
|	V	51	4537.248	0.01	0.1960	0.004	2.178	ug/L
|	Cr	52	10476.257	0.00	0.1939	0.006	3.291	ug/L
|	Cr	53	1566.946	0.00	1.4474	0.107	7.385	ug/L
|	Mn	55	9075.541	0.03	0.6730	0.016	2.431	ug/L
|	Co	59	261.673	0.00	0.0250	0.000	1.990	ug/L
|	Ni	60	996.393	0.00	0.4645	0.028	5.926	ug/L
|	Cu	65	196.004	0.00	-0.0354	0.003	8.797	ug/L
|	Zn	66	2859.437	0.00	0.7335	0.054	7.421	ug/L
|>	Ge	72	319475.613	319475.61				ug/L
|	As	75	-494.048	-0.00	-0.2681	0.050	18.696	ug/L
|	Se	77	95.334	0.00	0.2139	0.094	44.145	ug/L
|	Se	82	-131.465	-0.00	-1.2030	0.160	13.337	ug/L
⌊	Rb	85	238.005	0.00				mg/L
	Y	89	249061.829	-3065.41				ug/L
	Rh	103	167.336	155.34				ug/L
⌈	Mo	98	256.617	0.00	0.0464	0.006	13.182	ug/L
|	Ag	107	38.667	0.00	-0.0052	0.000	9.262	ug/L
|	Cd	114	-0.844	0.00	-0.0074	0.009	127.909	ug/L
|>	In	115	337482.737	337482.74				ug/L
|	Sn	118	236.669	0.00	-0.0272	0.002	8.189	ug/L
⌊	Sb	123	174.824	0.00	0.0421	0.003	7.317	ug/L
⌈	Ba	135	4521.734	0.01	2.5684	0.060	2.351	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	470082.344	470082.34				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	104.002	0.00	0.0127	0.001	5.478	ug/L
|	Tl	205	236.693	0.00	0.0108	0.001	10.158	ug/L
|	Pb	206	432.680	0.00	-0.0386	0.004	9.982	ug/L
|	Pb	207	377.678	0.00	-0.0344	0.001	3.652	ug/L
|	Pb	208	1832.087	0.00	-0.0331	0.001	4.065	ug/L
|	U	238	3837.442	0.01	0.0753	0.002	3.021	ug/L
⌊>	Bi	209	449715.238	449715.24				ug/L

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Erin D. Long

Na	23	7968547.492	45.43	1.5761	0.027	1.706	mg/L	
Mg	24	843151.889	4.81	0.2471	0.000	0.130	mg/L	
K	39	380397.760	0.23	0.0015	0.002	111.028	mg/L	
Ca	43	265555.107	1.52	15.4275	0.120	0.776	mg/L	
Fe	54	54888.431	0.05	0.0167	0.005	27.301	mg/L	
Fe	57	14815.839	0.05	0.0312	0.007	22.710	mg/L	
> Sc-1	45	175104.651	175104.65				mg/L	
Cl	35	23687.357	11093.43				mg/L	
Kr	83	244.672	175.67				mg/L	
Br	81	10178.513	1596.16				mg/L	
P	31	10866.573	1058.43				mg/L	
S	34	147167.873	15089.28				mg/L	
Sr	88	5023173.639	5023103.63				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		100.008			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		98.681			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.105			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.109			

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⌐	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Se 82 Lower	Se	82	

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Method 6020 - Summary Report

Sample ID: L1104003808

Sample Date/Time: Wednesday, April 06, 2011 17:21:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 41
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21723.614	-0.01				ug/L
|	Be	9	14.000	-0.00	0.0064	0.017	262.913	ug/L
|	Al	27	15662.347	0.07	2.2216	0.168	7.549	ug/L
⌊>	Sc	45	179718.982	179718.98				ug/L
⌈	Ti	49	56.672	0.00	0.0671	0.009	13.915	ug/L
|	V	51	4540.058	0.01	0.1936	0.016	8.344	ug/L
|	Cr	52	10715.512	0.00	0.2160	0.009	4.177	ug/L
|	Cr	53	1313.552	0.00	1.1680	0.166	14.244	ug/L
|	Mn	55	8852.677	0.03	0.6513	0.029	4.420	ug/L
|	Co	59	245.005	0.00	0.0231	0.003	11.995	ug/L
|	Ni	60	910.384	0.00	0.4191	0.027	6.474	ug/L
|	Cu	65	208.338	0.00	-0.0299	0.008	27.619	ug/L
|	Zn	66	3381.272	0.01	1.1469	0.063	5.452	ug/L
|>	Ge	72	321279.954	321279.95				ug/L
|	As	75	-502.514	-0.00	-0.2733	0.039	14.392	ug/L
|	Se	77	104.667	0.00	0.3103	0.087	28.177	ug/L
|	Se	82	-137.439	-0.00	-1.2493	0.131	10.461	ug/L
⌊	Rb	85	245.339	0.00				mg/L
	Y	89	248805.371	-3321.87				ug/L
	Rh	103	155.003	143.00				ug/L
⌈	Mo	98	202.168	0.00	0.0304	0.007	23.721	ug/L
|	Ag	107	31.667	0.00	-0.0061	0.001	9.811	ug/L
|	Cd	114	-3.904	-0.00	-0.0097	0.004	36.798	ug/L
|>	In	115	333054.957	333054.96				ug/L
|	Sn	118	219.869	0.00	-0.0301	0.001	4.553	ug/L
⌊	Sb	123	124.867	0.00	0.0302	0.003	8.923	ug/L
⌈	Ba	135	4289.297	0.01	2.4543	0.095	3.865	ug/L
|	Ce	140	80.008	0.00				ug/L
⌊>	Tb	159	466491.299	466491.30				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	76.668	0.00	0.0098	0.002	15.471	ug/L
|	Tl	205	203.356	0.00	0.0095	0.001	11.396	ug/L
|	Pb	206	439.014	0.00	-0.0374	0.001	1.688	ug/L
|	Pb	207	400.012	0.00	-0.0307	0.004	13.863	ug/L
|	Pb	208	1812.083	0.00	-0.0333	0.001	1.518	ug/L
|	U	238	3741.070	0.01	0.0741	0.001	1.275	ug/L
⌊>	Bi	209	446091.808	446091.81				ug/L

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Na	23	7449698.906	41.38	1.4349	0.016	1.145	mg/L	
Mg	24	805270.253	4.48	0.2298	0.008	3.524	mg/L	
K	39	379418.158	0.17	0.0000	0.002	30573.798	mg/L	
Ca	43	247894.669	1.38	14.0285	0.484	3.453	mg/L	
Fe	54	52894.035	0.03	0.0107	0.002	19.188	mg/L	
Fe	57	13730.863	0.04	0.0251	0.008	30.131	mg/L	
> Sc-1	45	179718.982	179718.98				mg/L	
Cl	35	104984.982	92391.06				mg/L	
Kr	83	241.672	172.67				mg/L	
Br	81	9815.482	1233.13				mg/L	
P	31	10532.883	724.74				mg/L	
S	34	145703.260	13624.66				mg/L	
Sr	88	4783439.268	4783369.26				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		100.573			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		97.386			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.348			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.303			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Se 82 Lower	Se	82	

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Method 6020 - Summary Report

Sample ID: L1104003809

Sample Date/Time: Wednesday, April 06, 2011 17:28:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22107.764	0.00				ug/L
|	Be	9	16.000	-0.00	0.0176	0.012	66.243	ug/L
|	Al	27	16096.414	0.09	2.6216	0.350	13.338	ug/L
⌊>	Sc	45	160665.544	160665.54				ug/L
⌈	Ti	49	63.340	0.00	0.0806	0.043	53.007	ug/L
|	V	51	4432.975	0.01	0.1936	0.012	6.132	ug/L
|	Cr	52	10448.897	0.00	0.2143	0.032	15.067	ug/L
|	Cr	53	876.793	0.00	0.7262	0.104	14.311	ug/L
|	Mn	55	2195.263	0.01	0.1322	0.002	1.189	ug/L
|	Co	59	239.672	0.00	0.0232	0.001	5.981	ug/L
|	Ni	60	941.720	0.00	0.4458	0.013	2.813	ug/L
|	Cu	65	165.336	-0.00	-0.0490	0.012	23.572	ug/L
|	Zn	66	2908.452	0.00	0.8177	0.032	3.964	ug/L
|>	Ge	72	313681.365	313681.37				ug/L
|	As	75	-707.411	-0.00	-0.4721	0.128	27.135	ug/L
|	Se	77	75.334	-0.00	0.0075	0.130	1733.059	ug/L
|	Se	82	-206.879	-0.00	-1.8985	0.482	25.376	ug/L
⌊	Rb	85	253.339	0.00				mg/L
	Y	89	240771.379	-11355.86				ug/L
	Rh	103	154.003	142.00				ug/L
⌈	Mo	98	202.912	0.00	0.0331	0.002	5.927	ug/L
|	Ag	107	29.334	0.00	-0.0063	0.000	5.474	ug/L
|	Cd	114	-2.872	0.00	-0.0090	0.001	16.542	ug/L
|>	In	115	320520.292	320520.29				ug/L
|	Sn	118	193.602	0.00	-0.0340	0.003	9.374	ug/L
⌊	Sb	123	106.736	0.00	0.0267	0.001	5.200	ug/L
⌈	Ba	135	6595.575	0.01	3.8070	0.106	2.775	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	463089.263	463089.26				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	56.667	0.00	0.0077	0.001	9.166	ug/L
|	Tl	205	116.679	0.00	0.0058	0.001	25.547	ug/L
|	Pb	206	419.680	0.00	-0.0391	0.003	8.539	ug/L
|	Pb	207	373.344	0.00	-0.0338	0.002	6.060	ug/L
|	Pb	208	1673.405	0.00	-0.0369	0.002	4.301	ug/L
|	U	238	2904.451	0.01	0.0591	0.001	2.012	ug/L
⌊>	Bi	209	439613.031	439613.03				ug/L

Sample ID: L1104003809
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Erin D. Long

Na	23	7533255.504	46.81	1.6245	0.043	2.677	mg/L
Mg	24	530092.092	3.30	0.1681	0.002	1.300	mg/L
K	39	364966.954	0.33	0.0041	0.002	51.321	mg/L
Ca	43	247925.434	1.54	15.6970	0.462	2.944	mg/L
Fe	54	52804.376	0.07	0.0215	0.004	17.129	mg/L
Fe	57	12986.407	0.04	0.0283	0.004	13.015	mg/L
> Sc-1	45	160665.544	160665.54				mg/L
Cl	35	21863.216	9269.29				mg/L
Kr	83	330.342	261.34				mg/L
Br	81	9146.185	563.84				mg/L
P	31	11361.785	1553.64				mg/L
S	34	136753.570	4674.97				mg/L
Sr	88	5089239.498	5089169.49				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.194			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		93.721			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		97.631			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.860			

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⌜	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌞>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
As 75 Lower	As	75	
Se 82 Lower	Se	82	

Sample ID: L1104003809
Report Date/Time: Wednesday, April 06, 2011 17:30:35

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104003810

Sample Date/Time: Wednesday, April 06, 2011 17:35:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 43
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21489.759	-0.00				ug/L
|	Be	9	14.667	-0.00	0.0111	0.003	27.705	ug/L
|	Al	27	14560.657	0.07	2.2142	0.196	8.832	ug/L
⌊>	Sc	45	167678.232	167678.23				ug/L
⌈	Ti	49	70.007	0.00	0.0926	0.029	31.495	ug/L
|	V	51	4080.314	0.00	0.1596	0.005	3.440	ug/L
|	Cr	52	10025.124	0.00	0.1714	0.028	16.323	ug/L
|	Cr	53	736.768	0.00	0.5810	0.096	16.522	ug/L
|	Mn	55	2719.064	0.01	0.1761	0.004	2.164	ug/L
|	Co	59	231.005	0.00	0.0225	0.002	9.422	ug/L
|	Ni	60	925.386	0.00	0.4413	0.033	7.461	ug/L
|	Cu	65	257.673	0.00	-0.0018	0.010	576.476	ug/L
|	Zn	66	3706.724	0.01	1.5120	0.079	5.227	ug/L
|>	Ge	72	311150.720	311150.72				ug/L
|	As	75	-640.245	-0.00	-0.4153	0.083	19.877	ug/L
|	Se	77	84.667	0.00	0.1205	0.045	37.460	ug/L
|	Se	82	-165.788	-0.00	-1.5433	0.305	19.787	ug/L
⌊	Rb	85	232.005	0.00				mg/L
	Y	89	237791.329	-14335.91				ug/L
	Rh	103	148.669	136.67				ug/L
⌈	Mo	98	208.584	0.00	0.0342	0.003	7.486	ug/L
|	Ag	107	31.667	0.00	-0.0060	0.000	5.598	ug/L
|	Cd	114	-1.005	0.00	-0.0075	0.004	56.870	ug/L
|>	In	115	324527.667	324527.67				ug/L
|	Sn	118	181.868	0.00	-0.0371	0.001	2.525	ug/L
⌊	Sb	123	94.736	0.00	0.0233	0.003	13.056	ug/L
⌈	Ba	135	6473.493	0.01	3.7140	0.042	1.134	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	465915.242	465915.24				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	56.001	0.00	0.0076	0.001	14.196	ug/L
|	Tl	205	83.342	0.00	0.0042	0.001	26.432	ug/L
|	Pb	206	452.015	0.00	-0.0354	0.004	12.216	ug/L
|	Pb	207	419.346	0.00	-0.0279	0.005	18.372	ug/L
|	Pb	208	1838.418	0.00	-0.0322	0.001	3.337	ug/L
|	U	238	2881.111	0.01	0.0581	0.001	1.823	ug/L
⌊>	Bi	209	444505.992	444505.99				ug/L

Sample ID: L1104003810
Report Date/Time: Wednesday, April 06, 2011 17:37:44
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Erin D. Long

Na	23	6960164.927	41.44	1.4370	0.076	5.260	mg/L
Mg	24	491721.238	2.93	0.1490	0.008	5.046	mg/L
K	39	385279.957	0.36	0.0047	0.002	40.876	mg/L
Ca	43	233316.951	1.39	14.1469	0.218	1.543	mg/L
Fe	54	52199.652	0.05	0.0160	0.003	16.913	mg/L
Fe	57	14401.871	0.05	0.0322	0.008	26.038	mg/L
> Sc-1	45	167678.232	167678.23				mg/L
Cl	35	18243.299	5649.37				mg/L
Kr	83	281.673	212.67				mg/L
Br	81	9029.408	447.06				mg/L
P	31	11172.375	1364.23				mg/L
S	34	150689.811	18611.21				mg/L
Sr	88	4746476.267	4746406.26				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.402			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.893			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.227			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.949			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
As 75 Lower	As	75	
Se 82 Lower	Se	82	

Sample ID: L1104003810
Report Date/Time: Wednesday, April 06, 2011 17:37:44
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 17:42:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21623.385	0.01				ug/L
|	Be	9	16604.441	0.11	57.5061	1.774	3.085	ug/L
|	Al	27	266744.819	1.73	52.7037	2.526	4.793	ug/L
⌊>	Sc	45	152877.181	152877.18				ug/L
⌈	Ti	49	52234.700	0.17	89.2598	3.100	3.473	ug/L
|	V	51	430144.872	1.39	46.3947	0.469	1.011	ug/L
|	Cr	52	379875.996	1.21	47.5531	0.704	1.481	ug/L
|	Cr	53	45728.898	0.15	50.5027	1.222	2.420	ug/L
|	Mn	55	583870.825	1.90	47.8819	1.133	2.367	ug/L
|	Co	59	459328.924	1.49	48.6596	0.808	1.661	ug/L
|	Ni	60	96634.344	0.31	49.7548	1.085	2.180	ug/L
|	Cu	65	95951.794	0.31	48.6983	0.802	1.647	ug/L
|	Zn	66	59401.836	0.19	49.1056	0.246	0.502	ug/L
| >	Ge	72	307742.202	307742.20				ug/L
|	As	75	53565.569	0.17	50.3632	0.564	1.120	ug/L
|	Se	77	4485.006	0.01	50.7264	1.991	3.926	ug/L
|	Se	82	5712.220	0.02	52.0741	0.431	0.828	ug/L
⌊	Rb	85	2181.927	0.01				mg/L
	Y	89	230393.275	-21733.97				ug/L
	Rh	103	37.000	25.00				ug/L
⌈	Mo	98	315451.209	1.00	104.4782	0.694	0.665	ug/L
|	Ag	107	317347.842	1.01	50.5527	0.885	1.750	ug/L
|	Cd	114	63046.152	0.20	50.1579	0.921	1.836	ug/L
| >	In	115	314923.045	314923.05				ug/L
|	Sn	118	227520.310	0.72	50.6960	0.702	1.385	ug/L
⌊	Sb	123	192321.115	0.61	50.9851	0.637	1.249	ug/L
⌈	Ba	135	80821.434	0.18	48.2158	0.327	0.679	ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	449268.592	449268.59				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	441111.369	1.02	49.3484	0.661	1.340	ug/L
|	Tl	205	1112597.802	2.57	50.1321	0.764	1.524	ug/L
|	Pb	206	358829.919	0.83	48.9083	0.330	0.675	ug/L
|	Pb	207	338419.872	0.78	48.9215	0.851	1.740	ug/L
|	Pb	208	1513254.669	3.49	49.1831	0.649	1.319	ug/L
|	U	238	2575121.651	5.95	49.9061	0.409	0.821	ug/L
⌊>	Bi	209	432726.628	432726.63				ug/L

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Na	23	22482986.695	147.09	5.1218	0.190	3.702	mg/L	
Mg	24	15166717.533	99.26	5.1743	0.127	2.447	mg/L	
K	39	31693142.775	205.50	5.1910	0.163	3.147	mg/L	
Ca	43	78511.602	0.51	5.2152	0.191	3.665	mg/L	
Fe	54	2782309.224	17.95	5.6098	0.172	3.069	mg/L	
Fe	57	1172676.112	7.64	5.6837	0.274	4.826	mg/L	
> Sc-1	45	152877.181	152877.18				mg/L	
Cl	35	16070.236	3476.31				mg/L	
Kr	83	57.667	-11.33				mg/L	
Br	81	8202.031	-380.32				mg/L	
P	31	7865.772	-1942.38				mg/L	
S	34	148543.251	16464.66				mg/L	
Sr	88	2390.526	2320.52				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	92.789				
Cr	52	95.106				
Cr	53					
Mn	55	95.764				
Co	59	97.319				
Ni	60	99.510				
Cu	65	97.397				
Zn	66	98.211				
> Ge	72		96.335			
As	75	100.726				
Se	77					
Se	82	104.148				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.105				
Cd	114	100.316				
> In	115		92.085			
Sn	118					
Sb	123	101.970				
Ba	135	96.432				
Ce	140					
> Tb	159		94.717			
Ho	165					
Tl	203	98.697				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.366				
U	238	99.812				
> Bi	209		96.327			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 17:44:51

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 17:49:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24028.867	0.01				ug/L
|	Be	9	15.333	-0.00	0.0145	0.005	34.652	ug/L
|	Al	27	1566.789	-0.00	-0.1333	0.004	2.667	ug/L
⌊>	Sc	45	163543.860	163543.86				ug/L
⌈	Ti	49	46.671	-0.00	0.0549	0.011	19.415	ug/L
|	V	51	2561.515	-0.00	0.0023	0.003	132.952	ug/L
|	Cr	52	8450.320	-0.00	-0.0059	0.010	164.460	ug/L
|	Cr	53	590.077	0.00	0.4325	0.128	29.686	ug/L
|	Mn	55	368.010	0.00	-0.0141	0.001	7.437	ug/L
|	Co	59	65.668	0.00	0.0053	0.000	8.956	ug/L
|	Ni	60	43.667	0.00	-0.0073	0.004	56.100	ug/L
|	Cu	65	190.337	0.00	-0.0337	0.005	13.775	ug/L
|	Zn	66	1468.789	-0.00	-0.3526	0.007	2.125	ug/L
|>	Ge	72	304851.902	304851.90				ug/L
|	As	75	-142.870	0.00	0.0425	0.069	162.003	ug/L
|	Se	77	66.667	-0.00	-0.0690	0.104	151.280	ug/L
|	Se	82	1.484	0.00	-0.0341	0.082	240.844	ug/L
⌊	Rb	85	23.000	-0.00				mg/L
	Y	89	235587.177	-16540.07				ug/L
	Rh	103	17.667	5.67				ug/L
⌈	Mo	98	148.765	0.00	0.0162	0.007	43.364	ug/L
|	Ag	107	34.000	0.00	-0.0055	0.001	20.431	ug/L
|	Cd	114	-5.260	-0.00	-0.0109	0.003	25.485	ug/L
|>	In	115	316244.528	316244.53				ug/L
|	Sn	118	297.071	0.00	-0.0104	0.007	68.748	ug/L
⌊	Sb	123	64.863	0.00	0.0160	0.002	11.746	ug/L
⌈	Ba	135	29.334	0.00	0.0064	0.002	28.084	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	456542.663	456542.66				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	55.001	0.00	0.0075	0.001	12.900	ug/L
|	Tl	205	113.345	0.00	0.0056	0.001	17.250	ug/L
|	Pb	206	378.344	0.00	-0.0448	0.002	3.560	ug/L
|	Pb	207	343.009	0.00	-0.0382	0.002	4.875	ug/L
|	Pb	208	1525.061	0.00	-0.0417	0.001	1.977	ug/L
|	U	238	165.336	0.00	0.0069	0.001	11.298	ug/L
⌊>	Bi	209	440498.242	440498.24				ug/L

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Na	23	14722.333	0.01	-0.0081	0.000	3.637	mg/L	
Mg	24	786.777	0.00	-0.0038	0.000	1.715	mg/L	
K	39	320215.537	0.02	-0.0039	0.002	55.571	mg/L	
Ca	43	173.352	0.00	-0.0065	0.005	75.165	mg/L	
Fe	54	40843.177	-0.01	-0.0032	0.005	142.176	mg/L	
Fe	57	6172.535	-0.00	-0.0038	0.004	93.512	mg/L	
> Sc-1	45	163543.860	163543.86				mg/L	
Cl	35	14338.274	1744.35				mg/L	
Kr	83	59.334	-9.67				mg/L	
Br	81	8290.769	-291.58				mg/L	
P	31	8026.557	-1781.59				mg/L	
S	34	134943.762	2865.17				mg/L	
Sr	88	110.012	40.00				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.430			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.471			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.251			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.057			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 17:51:56
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: PBS A7 WG360839-02

Sample Date/Time: Wednesday, April 06, 2011 17:56:51
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 44
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.224	-0.00				ug/L
|	Be	9	8.000	-0.00	-0.0105	0.028	265.459	ug/L
|	Al	27	29694.042	0.16	4.9405	0.282	5.698	ug/L
⌊>	Sc	45	168508.593	168508.59				ug/L
⌈	Ti	49	53.339	0.00	0.0654	0.010	15.410	ug/L
|	V	51	2838.023	0.00	0.0295	0.011	36.899	ug/L
|	Cr	52	9823.589	0.00	0.1587	0.027	16.881	ug/L
|	Cr	53	546.736	0.00	0.3784	0.051	13.361	ug/L
|	Mn	55	2589.695	0.01	0.1678	0.008	4.625	ug/L
|	Co	59	75.334	0.00	0.0063	0.001	10.047	ug/L
|	Ni	60	108.335	0.00	0.0257	0.002	9.524	ug/L
|	Cu	65	309.341	0.00	0.0258	0.009	34.227	ug/L
|	Zn	66	5361.491	0.01	2.9562	0.032	1.098	ug/L
|>	Ge	72	307960.465	307960.46				ug/L
|	As	75	-176.327	0.00	0.0126	0.051	404.582	ug/L
|	Se	77	71.334	-0.00	-0.0225	0.186	824.248	ug/L
|	Se	82	3.870	0.00	-0.0126	0.043	342.119	ug/L
⌊	Rb	85	49.334	0.00				mg/L
	Y	89	241324.557	-10802.69				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	86.654	0.00	-0.0046	0.005	102.896	ug/L
|	Ag	107	28.334	0.00	-0.0065	0.001	12.477	ug/L
|	Cd	114	-1.249	0.00	-0.0077	0.005	67.632	ug/L
|>	In	115	319022.306	319022.31				ug/L
|	Sn	118	566.149	0.00	0.0482	0.004	7.291	ug/L
⌊	Sb	123	86.658	0.00	0.0216	0.001	5.943	ug/L
⌈	Ba	135	2874.109	0.01	1.6572	0.056	3.363	ug/L
|	Ce	140	120.013	0.00				ug/L
⌊>	Tb	159	461914.644	461914.64				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	44.001	0.00	0.0062	0.000	1.292	ug/L
|	Tl	205	73.341	0.00	0.0038	0.001	30.087	ug/L
|	Pb	206	439.014	0.00	-0.0377	0.002	6.421	ug/L
|	Pb	207	397.679	0.00	-0.0314	0.004	12.313	ug/L
|	Pb	208	1740.076	0.00	-0.0358	0.002	5.408	ug/L
|	U	238	88.001	0.00	0.0054	0.000	0.777	ug/L
⌊>	Bi	209	448503.790	448503.79				ug/L

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⌈	Na	23	131603.528	0.70	0.0160	0.001	5.962	mg/L
|	Mg	24	3197.498	0.02	-0.0031	0.000	0.653	mg/L
|	K	39	328725.502	0.01	-0.0041	0.001	25.094	mg/L
|	Ca	43	293.367	0.00	0.0005	0.003	601.953	mg/L
|	Fe	54	80055.588	0.22	0.0673	0.008	11.921	mg/L
|	Fe	57	7293.392	0.00	0.0003	0.002	702.802	mg/L
⌊>	Sc-1	45	168508.593	168508.59				mg/L
	Cl	35	16482.910	3888.98				mg/L
	Kr	83	53.334	-15.67				mg/L
	Br	81	8689.776	107.43				mg/L
	P	31	16000.811	6192.66				mg/L
	S	34	141594.705	9516.11				mg/L
	Sr	88	630.083	560.08				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.403			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.283			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.383			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.839			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS A7 WG360839-02
Report Date/Time: Wednesday, April 06, 2011 17:59:05
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: LCSS A7 WG360839-03

Sample Date/Time: Wednesday, April 06, 2011 18:04:00
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 45
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23728.151	0.00				ug/L
|	Be	9	8046.571	0.05	24.6529	2.475	10.039	ug/L
|	Al	27	155606.853	0.89	27.0730	4.198	15.506	ug/L
|>	Sc	45	173378.336	173378.34				ug/L
⌈	Ti	49	93.343	0.00	0.1334	0.128	95.747	ug/L
|	V	51	232814.568	0.75	24.9346	0.192	0.770	ug/L
|	Cr	52	209097.918	0.65	25.6291	0.136	0.529	ug/L
|	Cr	53	23697.099	0.08	26.0107	0.956	3.674	ug/L
|	Mn	55	317995.963	1.03	26.0054	0.432	1.663	ug/L
|	Co	59	246729.022	0.80	26.0863	0.370	1.417	ug/L
|	Ni	60	52525.115	0.17	26.9770	0.332	1.230	ug/L
|	Cu	65	52017.808	0.17	26.2897	0.412	1.566	ug/L
|	Zn	66	31851.298	0.10	25.5289	0.294	1.150	ug/L
|>	Ge	72	308313.087	308313.09				ug/L
|	As	75	25066.383	0.08	23.6178	0.293	1.239	ug/L
|	Se	77	2040.208	0.01	22.5664	0.243	1.076	ug/L
|	Se	82	2443.550	0.01	22.2086	0.369	1.662	ug/L
⌊	Rb	85	68.001	0.00				mg/L
	Y	89	237896.868	-14230.38				ug/L
	Rh	103	23.334	11.33				ug/L
⌈	Mo	98	80.174	0.00	-0.0071	0.003	49.531	ug/L
|	Ag	107	142359.267	0.44	22.1031	0.368	1.664	ug/L
|	Cd	114	30904.661	0.10	23.9670	0.378	1.575	ug/L
|>	In	115	323040.911	323040.91				ug/L
|	Sn	118	419.742	0.00	0.0149	0.003	21.577	ug/L
⌊	Sb	123	93590.929	0.29	24.1869	0.139	0.576	ug/L
⌈	Ba	135	43125.225	0.09	24.7036	0.357	1.444	ug/L
|	Ce	140	193.355	0.00				ug/L
|>	Tb	159	467805.891	467805.89				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	234473.904	0.51	24.9141	0.239	0.960	ug/L
|	Tl	205	583314.200	1.28	24.9640	0.108	0.432	ug/L
|	Pb	206	200338.217	0.44	25.8901	0.226	0.873	ug/L
|	Pb	207	178799.107	0.39	24.5044	0.111	0.452	ug/L
|	Pb	208	820029.319	1.80	25.2693	0.140	0.555	ug/L
|	U	238	1377201.425	3.02	25.3507	0.046	0.180	ug/L
|>	Bi	209	455618.725	455618.73				ug/L

Sample ID: LCSS A7 WG360839-03
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Na	23	42049.085	0.16	-0.0027	0.001	21.569	mg/L
Mg	24	4311.364	0.02	-0.0028	0.000	4.014	mg/L
K	39	339317.038	0.02	-0.0037	0.004	117.308	mg/L
Ca	43	256.696	0.00	-0.0019	0.006	330.670	mg/L
Fe	54	77610.690	0.19	0.0592	0.015	25.204	mg/L
Fe	57	7687.056	0.01	0.0012	0.002	201.517	mg/L
> Sc-1	45	173378.336	173378.34				mg/L
Cl	35	15815.169	3221.24				mg/L
Kr	83	52.001	-17.00				mg/L
Br	81	9028.744	446.39				mg/L
P	31	16212.658	6404.51				mg/L
S	34	147769.923	15691.33				mg/L
Sr	88	466.724	396.72				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.513			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.458			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.625			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		101.423			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS A7 WG360839-03
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Method 6020 - Summary Report

Sample ID: L1104009801

Sample Date/Time: Wednesday, April 06, 2011 18:11:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 46
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22291.516	0.00				ug/L
|	Be	9	91.334	0.00	0.2583	0.034	13.201	ug/L
|	Al	27	6307986.095	38.36	1166.6927	117.503	10.071	ug/L
⌊>	Sc	45	164985.773	164985.77				ug/L
⌈	Ti	49	1430.246	0.00	2.4955	0.309	12.393	ug/L
|	V	51	37753.090	0.12	3.9449	0.165	4.188	ug/L
|	Cr	52	31188.252	0.08	3.0199	0.127	4.218	ug/L
|	Cr	53	2980.742	0.01	3.1821	0.023	0.735	ug/L
|	Mn	55	4254746.412	14.26	360.0699	3.926	1.090	ug/L
|	Co	59	34750.661	0.12	3.7943	0.102	2.676	ug/L
|	Ni	60	41130.514	0.14	21.8181	0.263	1.206	ug/L
|	Cu	65	47812.854	0.16	24.9587	0.061	0.243	ug/L
|	Zn	66	85182.181	0.28	73.3890	0.613	0.836	ug/L
| >	Ge	72	298410.935	298410.94				ug/L
|	As	75	24696.232	0.08	24.0344	0.472	1.962	ug/L
|	Se	77	141.334	0.00	0.8325	0.139	16.669	ug/L
|	Se	82	106.431	0.00	0.9533	0.118	12.394	ug/L
⌊	Rb	85	36334.274	0.12				mg/L
	Y	89	256702.030	4574.79				ug/L
	Rh	103	163.670	151.67				ug/L
⌈	Mo	98	35242.906	0.11	11.8770	0.199	1.677	ug/L
|	Ag	107	1213.752	0.00	0.1864	0.008	4.084	ug/L
|	Cd	114	649.399	0.00	0.5202	0.017	3.179	ug/L
| >	In	115	308738.231	308738.23				ug/L
|	Sn	118	670.556	0.00	0.0761	0.001	1.735	ug/L
⌊	Sb	123	664.308	0.00	0.1786	0.012	6.538	ug/L
⌈	Ba	135	2811794.722	6.22	1666.3633	28.571	1.715	ug/L
|	Ce	140	188533.772	0.42				ug/L
⌊>	Tb	159	452319.118	452319.12				ug/L
⌈	Ho	165	2727.311	0.01				ug/L
|	Tl	203	9051.186	0.02	1.0294	0.035	3.405	ug/L
|	Tl	205	22507.575	0.05	1.0303	0.053	5.181	ug/L
|	Pb	206	1000458.385	2.35	138.6216	5.404	3.898	ug/L
|	Pb	207	878208.747	2.06	129.0128	3.374	2.615	ug/L
|	Pb	208	4043624.969	9.48	133.5708	4.236	3.171	ug/L
|	U	238	95874.386	0.22	1.8895	0.034	1.787	ug/L
⌊>	Bi	209	426428.046	426428.05				ug/L

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Na	23	5722729.596	34.68	1.2014	0.082	6.815	mg/L	
Mg	24	3734695.904	22.67	1.1788	0.055	4.698	mg/L	
K	39	3984184.339	22.26	0.5586	0.042	7.534	mg/L	
Ca	43	154638.981	0.94	9.5411	0.461	4.836	mg/L	
Fe	54	3532533.551	21.22	6.6322	0.621	9.370	mg/L	
Fe	57	1558067.100	9.43	7.0193	0.621	8.851	mg/L	
> Sc-1	45	164985.773	164985.77				mg/L	
Cl	35	123430.005	110836.08				mg/L	
Kr	83	65.668	-3.33				mg/L	
Br	81	23017.127	14434.78				mg/L	
P	31	31753.671	21945.52				mg/L	
S	34	256972.682	124894.09				mg/L	
Sr	88	4450568.976	4450498.97				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.414			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.276			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.360			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.925			

Sample ID: L1104009801
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	
Pb 206 Upper, S, EEE	Pb	206	
Pb 208 Upper, S, EEE	Pb	208	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010001

Sample Date/Time: Wednesday, April 06, 2011 18:18:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 47
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23377.332	0.01				ug/L
|	Be	9	50.667	0.00	0.1323	0.033	24.981	ug/L
|	Al	27	10594350.862	65.98	2007.0443	96.754	4.821	ug/L
⌊>	Sc	45	160545.572	160545.57				ug/L
⌈	Ti	49	1046.827	0.00	1.7841	0.184	10.341	ug/L
|	V	51	28504.887	0.08	2.8508	0.111	3.902	ug/L
|	Cr	52	34870.772	0.09	3.4195	0.174	5.077	ug/L
|	Cr	53	3437.604	0.01	3.6300	0.311	8.573	ug/L
|	Mn	55	1295812.620	4.26	107.5527	5.006	4.654	ug/L
|	Co	59	28987.314	0.10	3.1049	0.156	5.020	ug/L
|	Ni	60	13505.937	0.04	7.0090	0.414	5.909	ug/L
|	Cu	65	14679.584	0.05	7.4261	0.171	2.305	ug/L
|	Zn	66	21725.471	0.07	17.1504	0.533	3.110	ug/L
|>	Ge	72	304166.258	304166.26				ug/L
|	As	75	4270.870	0.01	4.2256	0.186	4.413	ug/L
|	Se	77	101.334	0.00	0.3363	0.102	30.238	ug/L
|	Se	82	10.748	0.00	0.0510	0.172	337.205	ug/L
⌊	Rb	85	24691.716	0.08				mg/L
	Y	89	243287.982	-8839.26				ug/L
	Rh	103	17.000	5.00				ug/L
⌈	Mo	98	1335.194	0.00	0.4245	0.025	5.927	ug/L
|	Ag	107	114.002	0.00	0.0079	0.001	18.329	ug/L
|	Cd	114	10.985	0.00	0.0023	0.002	75.596	ug/L
|>	In	115	304558.963	304558.96				ug/L
|	Sn	118	169.335	0.00	-0.0374	0.002	6.386	ug/L
⌊	Sb	123	72.066	0.00	0.0186	0.001	2.989	ug/L
⌈	Ba	135	7880.186	0.02	4.7358	0.206	4.342	ug/L
|	Ce	140	31469.294	0.07				ug/L
⌊>	Tb	159	445061.822	445061.82				ug/L
⌈	Ho	165	1847.022	0.00				ug/L
|	Tl	203	384.345	0.00	0.0437	0.006	13.430	ug/L
|	Tl	205	920.135	0.00	0.0412	0.004	9.848	ug/L
|	Pb	206	25041.932	0.06	3.2592	0.161	4.941	ug/L
|	Pb	207	21246.447	0.05	2.9312	0.143	4.863	ug/L
|	Pb	208	100014.643	0.22	3.1040	0.147	4.732	ug/L
|	U	238	3313.916	0.01	0.0667	0.003	4.962	ug/L
⌊>	Bi	209	441253.655	441253.65				ug/L

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Na	23	1930630.541	11.95	0.4085	0.024	5.844	mg/L	
Mg	24	3510327.582	21.86	1.1366	0.020	1.763	mg/L	
K	39	1818370.226	9.39	0.2332	0.021	8.887	mg/L	
Ca	43	41737.885	0.26	2.6295	0.098	3.739	mg/L	
Fe	54	4369311.409	26.96	8.4241	0.388	4.600	mg/L	
Fe	57	1858791.479	11.54	8.5859	0.285	3.322	mg/L	
> Sc-1	45	160545.572	160545.57				mg/L	
Cl	35	33414.441	20820.52				mg/L	
Kr	83	67.334	-1.67				mg/L	
Br	81	9425.774	843.43				mg/L	
P	31	33591.012	23782.86				mg/L	
S	34	200626.333	68547.74				mg/L	
Sr	88	56284.159	56214.15				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.215			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.054			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.830			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.226			

Sample ID: L1104010001
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104010001
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Method 6020 - Summary Report

Sample ID: L1104010201

Sample Date/Time: Wednesday, April 06, 2011 18:25:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 48
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23009.793	0.00				ug/L
|	Be	9	100.667	0.00	0.2767	0.019	6.948	ug/L
|	Al	27	10443550.453	61.26	1863.3690	113.065	6.068	ug/L
⌊>	Sc	45	170713.871	170713.87				ug/L
⌈	Ti	49	2670.625	0.01	4.5274	0.305	6.741	ug/L
|	V	51	40922.657	0.12	4.1510	0.145	3.503	ug/L
|	Cr	52	49097.767	0.13	5.1737	0.157	3.037	ug/L
|	Cr	53	5215.215	0.02	5.5431	0.153	2.765	ug/L
|	Mn	55	1660113.648	5.38	135.8718	4.853	3.572	ug/L
|	Co	59	33881.360	0.11	3.5786	0.143	3.987	ug/L
|	Ni	60	18878.012	0.06	9.6708	0.425	4.390	ug/L
|	Cu	65	23705.686	0.08	11.9023	0.653	5.490	ug/L
|	Zn	66	27359.009	0.08	21.6858	0.812	3.745	ug/L
| >	Ge	72	308504.857	308504.86				ug/L
|	As	75	4136.141	0.01	4.0432	0.191	4.719	ug/L
|	Se	77	92.667	0.00	0.2205	0.208	94.537	ug/L
|	Se	82	48.198	0.00	0.3909	0.062	15.821	ug/L
⌊	Rb	85	47688.331	0.15				mg/L
	Y	89	256069.896	3942.65				ug/L
	Rh	103	27.000	15.00				ug/L
⌈	Mo	98	1815.018	0.01	0.5683	0.007	1.280	ug/L
|	Ag	107	231.005	0.00	0.0259	0.001	5.393	ug/L
|	Cd	114	60.112	0.00	0.0410	0.007	17.763	ug/L
| >	In	115	314977.574	314977.57				ug/L
|	Sn	118	503.346	0.00	0.0358	0.006	16.878	ug/L
⌊	Sb	123	75.817	0.00	0.0190	0.001	5.933	ug/L
⌈	Ba	135	467209.627	1.04	277.9064	10.285	3.701	ug/L
|	Ce	140	142746.177	0.32				ug/L
⌊>	Tb	159	450699.180	450699.18				ug/L
⌈	Ho	165	2457.214	0.01				ug/L
|	Tl	203	596.690	0.00	0.0661	0.005	7.736	ug/L
|	Tl	205	1663.639	0.00	0.0731	0.006	8.030	ug/L
|	Pb	206	44355.961	0.10	5.7689	0.161	2.784	ug/L
|	Pb	207	37840.173	0.08	5.2179	0.093	1.775	ug/L
|	Pb	208	177847.511	0.39	5.5158	0.146	2.642	ug/L
|	U	238	19713.291	0.04	0.3736	0.015	3.883	ug/L
⌊>	Bi	209	447033.580	447033.58				ug/L

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Na	23	10132703.271	59.36	2.0620	0.105	5.112	mg/L	
Mg	24	5387656.997	31.60	1.6445	0.070	4.245	mg/L	
K	39	3498298.085	18.58	0.4654	0.022	4.702	mg/L	
Ca	43	161163.689	0.94	9.6100	0.684	7.116	mg/L	
Fe	54	4673115.423	27.14	8.4806	0.274	3.229	mg/L	
Fe	57	2008190.699	11.74	8.7365	0.521	5.967	mg/L	
> Sc-1	45	170713.871	170713.87				mg/L	
Cl	35	103635.590	91041.66				mg/L	
Kr	83	54.001	-15.00				mg/L	
Br	81	30388.772	21806.42				mg/L	
P	31	34139.544	24331.40				mg/L	
S	34	169076.128	36997.53				mg/L	
Sr	88	504383.625	504313.62				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.573			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.100			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.019			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.512			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1104010201
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Method 6020 - Summary Report

Sample ID: L1104010404

Sample Date/Time: Wednesday, April 06, 2011 18:32:29
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 49
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22742.560	-0.02				ug/L
|	Be	9	299.338	0.00	0.7504	0.065	8.667	ug/L
|	Al	27	20664135.285	102.50	3117.7051	107.938	3.462	ug/L
⌊>	Sc	45	201612.226	201612.23				ug/L
⌈	Ti	49	1313.551	0.00	2.2601	0.207	9.139	ug/L
|	V	51	113372.541	0.37	12.2521	0.497	4.058	ug/L
|	Cr	52	78845.008	0.23	9.1864	0.405	4.410	ug/L
|	Cr	53	8531.168	0.03	9.4108	0.647	6.879	ug/L
|	Mn	55	6049469.426	20.02	505.6435	13.884	2.746	ug/L
|	Co	59	315087.859	1.04	33.9957	1.166	3.430	ug/L
|	Ni	60	49065.713	0.16	25.7121	1.052	4.090	ug/L
|	Cu	65	64669.263	0.21	33.3858	1.208	3.617	ug/L
|	Zn	66	71676.320	0.23	60.7246	2.814	4.634	ug/L
| >	Ge	72	302145.211	302145.21				ug/L
|	As	75	93065.656	0.31	88.9865	3.221	3.620	ug/L
|	Se	77	129.334	0.00	0.6740	0.429	63.660	ug/L
|	Se	82	63.071	0.00	0.5382	0.157	29.156	ug/L
⌊	Rb	85	36036.857	0.12				mg/L
	Y	89	332603.745	80476.50				ug/L
	Rh	103	31.334	19.33				ug/L
⌈	Mo	98	6183.513	0.02	2.0774	0.031	1.505	ug/L
|	Ag	107	222.338	0.00	0.0256	0.003	12.948	ug/L
|	Cd	114	193.677	0.00	0.1520	0.008	5.121	ug/L
| >	In	115	305702.494	305702.49				ug/L
|	Sn	118	125.067	0.00	-0.0477	0.001	2.790	ug/L
⌊	Sb	123	67.357	0.00	0.0173	0.002	11.216	ug/L
⌈	Ba	135	101090.438	0.23	60.7093	2.617	4.311	ug/L
|	Ce	140	874003.837	1.96				ug/L
⌊>	Tb	159	446284.654	446284.65				ug/L
⌈	Ho	165	8964.916	0.02				ug/L
|	Tl	203	1443.119	0.00	0.1609	0.005	3.312	ug/L
|	Tl	205	3500.964	0.01	0.1563	0.006	4.134	ug/L
|	Pb	206	409044.467	0.93	55.0689	0.765	1.389	ug/L
|	Pb	207	347095.137	0.79	49.5484	0.887	1.790	ug/L
|	Pb	208	1623027.181	3.70	52.0907	1.362	2.616	ug/L
|	U	238	34491.111	0.08	0.6637	0.016	2.444	ug/L
⌊>	Bi	209	438167.041	438167.04				ug/L

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Na	23	1918810.474	9.44	0.3208	0.023	7.040	mg/L	
Mg	24	4380244.550	21.73	1.1295	0.063	5.562	mg/L	
K	39	1847402.137	7.22	0.1783	0.002	1.057	mg/L	
Ca	43	15376.695	0.08	0.7595	0.036	4.806	mg/L	
Fe	54	12188600.874	60.21	18.8156	0.577	3.066	mg/L	
Fe	57	5236972.592	25.94	19.3079	0.776	4.020	mg/L	
> Sc-1	45	201612.226	201612.23				mg/L	
Cl	35	20736.818	8142.89				mg/L	
Kr	83	68.668	-0.33				mg/L	
Br	81	10096.431	1514.08				mg/L	
P	31	78538.229	68730.08				mg/L	
S	34	135330.662	3252.07				mg/L	
Sr	88	67876.472	67806.47				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		94.583			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.388			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.088			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.538			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1104010406

Sample Date/Time: Wednesday, April 06, 2011 18:39:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 50
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23510.973	-0.01				ug/L
|	Be	9	202.669	0.00	0.5440	0.033	6.128	ug/L
|	Al	27	29742021.306	160.58	4884.3808	211.817	4.337	ug/L
⌊>	Sc	45	185081.398	185081.40				ug/L
⌈	Ti	49	31235.662	0.10	53.6411	6.754	12.591	ug/L
|	V	51	59810.361	0.19	6.2435	0.467	7.475	ug/L
|	Cr	52	60692.427	0.17	6.7128	0.483	7.199	ug/L
|	Cr	53	6349.321	0.02	6.8509	0.393	5.733	ug/L
|	Mn	55	17795938.679	58.11	1467.7461	108.865	7.417	ug/L
|	Co	59	37548.835	0.12	3.9954	0.366	9.150	ug/L
|	Ni	60	30372.904	0.10	15.6929	1.234	7.864	ug/L
|	Cu	65	16097.490	0.05	8.1007	0.590	7.279	ug/L
|	Zn	66	42732.162	0.13	35.0527	2.413	6.883	ug/L
|>	Ge	72	306158.105	306158.10				ug/L
|	As	75	1097.808	0.00	1.2114	0.033	2.717	ug/L
|	Se	77	100.667	0.00	0.3210	0.103	32.176	ug/L
|	Se	82	9.670	0.00	0.0408	0.070	170.786	ug/L
⌊	Rb	85	45326.179	0.15				mg/L
	Y	89	315650.535	63523.29				ug/L
	Rh	103	22.000	10.00				ug/L
⌈	Mo	98	765.051	0.00	0.2270	0.025	10.894	ug/L
|	Ag	107	80.334	0.00	0.0022	0.001	54.632	ug/L
|	Cd	114	333.937	0.00	0.2656	0.023	8.521	ug/L
|>	In	115	307268.331	307268.33				ug/L
|	Sn	118	523.614	0.00	0.0433	0.010	22.701	ug/L
⌊	Sb	123	58.989	0.00	0.0149	0.003	22.310	ug/L
⌈	Ba	135	153076.371	0.34	91.4028	4.512	4.937	ug/L
|	Ce	140	371915.394	0.83				ug/L
⌊>	Tb	159	448863.346	448863.35				ug/L
⌈	Ho	165	8240.888	0.02				ug/L
|	Tl	203	2530.013	0.01	0.2835	0.019	6.832	ug/L
|	Tl	205	6169.189	0.01	0.2775	0.015	5.500	ug/L
|	Pb	206	55795.381	0.13	7.4965	0.448	5.981	ug/L
|	Pb	207	47554.451	0.11	6.7741	0.382	5.641	ug/L
|	Pb	208	222542.799	0.51	7.1293	0.430	6.037	ug/L
|	U	238	28438.074	0.07	0.5528	0.034	6.180	ug/L
⌊>	Bi	209	434446.791	434446.79				ug/L

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Na	23	1032725.659	5.49	0.1833	0.006	3.032	mg/L	
Mg	24	6646377.812	35.89	1.8686	0.062	3.299	mg/L	
K	39	1857135.963	8.09	0.2002	0.007	3.583	mg/L	
Ca	43	19841.821	0.11	1.0726	0.094	8.755	mg/L	
Fe	54	7578442.726	40.65	12.7040	0.679	5.341	mg/L	
Fe	57	3232250.946	17.41	12.9556	0.761	5.873	mg/L	
> Sc-1	45	185081.398	185081.40				mg/L	
Cl	35	112770.513	100176.59				mg/L	
Kr	83	76.334	7.33				mg/L	
Br	81	9022.069	439.72				mg/L	
P	31	51468.958	41660.81				mg/L	
S	34	114777.820	-17300.78				mg/L	
Sr	88	41734.754	41664.75				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.839			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		89.846			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.632			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.710			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1104010406PS WG360863-01

Sample Date/Time: Wednesday, April 06, 2011 18:46:43
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 51
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24914.351	-0.00				ug/L
|	Be	9	15483.602	0.08	44.1145	21.157	47.959	ug/L
|	Al	27	30012765.275	159.63	4855.6796	114.239	2.353	ug/L
⌊>	Sc	45	188105.601	188105.60				ug/L
⌈	Ti	49	27905.132	0.09	48.0467	3.138	6.531	ug/L
|	V	51	429446.914	1.40	46.7760	18.460	39.464	ug/L
|	Cr	52	372911.992	1.20	47.1324	19.849	42.114	ug/L
|	Cr	53	42420.250	0.14	47.2928	19.337	40.888	ug/L
|	Mn	55	17930111.291	58.74	1483.4547	32.601	2.198	ug/L
|	Co	59	439674.884	1.44	47.0368	19.552	41.567	ug/L
|	Ni	60	114503.767	0.38	59.5227	20.321	34.140	ug/L
|	Cu	65	100856.542	0.33	51.6915	19.170	37.085	ug/L
|	Zn	66	96173.932	0.31	81.2532	17.927	22.064	ug/L
| >	Ge	72	305233.475	305233.48				ug/L
|	As	75	50167.366	0.17	47.6357	17.676	37.106	ug/L
|	Se	77	4379.704	0.01	49.9929	18.140	36.286	ug/L
|	Se	82	5393.990	0.02	49.6545	18.693	37.647	ug/L
⌊	Rb	85	44929.916	0.15				mg/L
	Y	89	316533.228	64405.98				ug/L
	Rh	103	44.001	32.00				ug/L
⌈	Mo	98	787.536	0.00	0.2300	0.007	2.968	ug/L
|	Ag	107	300177.424	0.96	48.2098	14.045	29.134	ug/L
|	Cd	114	59200.513	0.19	47.4955	20.633	43.443	ug/L
| >	In	115	312495.729	312495.73				ug/L
|	Sn	118	509.480	0.00	0.0381	0.003	7.265	ug/L
⌊	Sb	123	166090.186	0.53	44.4020	18.268	41.142	ug/L
⌈	Ba	135	225619.373	0.50	134.5503	14.513	10.787	ug/L
|	Ce	140	361821.904	0.80				ug/L
⌊>	Tb	159	449657.970	449657.97				ug/L
⌈	Ho	165	8094.091	0.02				ug/L
|	Tl	203	431695.342	0.99	47.7738	12.613	26.401	ug/L
|	Tl	205	1071821.604	2.45	47.7746	12.569	26.309	ug/L
|	Pb	206	404843.409	0.92	54.6089	19.191	35.142	ug/L
|	Pb	207	358229.502	0.82	51.2410	17.846	34.828	ug/L
|	Pb	208	1656163.369	3.78	53.2659	18.598	34.915	ug/L
|	U	238	2332670.469	5.34	44.7459	21.385	47.792	ug/L
⌊>	Bi	209	437775.164	437775.16				ug/L

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Na	23	1073747.783	5.63	0.1881	0.006	3.352	mg/L	
Mg	24	6817240.210	36.25	1.8872	0.022	1.163	mg/L	
K	39	1899775.620	8.17	0.2024	0.018	9.088	mg/L	
Ca	43	19751.542	0.10	1.0509	0.033	3.119	mg/L	
Fe	54	7429793.093	39.26	12.2704	0.628	5.118	mg/L	
Fe	57	3223449.257	17.10	12.7288	0.399	3.135	mg/L	
> Sc-1	45	188105.601	188105.60				mg/L	
Cl	35	112095.804	99501.88				mg/L	
Kr	83	79.668	10.67				mg/L	
Br	81	8857.924	275.58				mg/L	
P	31	53334.114	43525.97				mg/L	
S	34	121127.496	-10951.10				mg/L	
Sr	88	41781.362	41711.35				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.549			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.375			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.799			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.451			

Sample ID: L1104010406PS WG360863-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1104010406PS WG360863-01
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Method 6020 - Summary Report

Sample ID: L1104010406SDL WG360863-02

Sample Date/Time: Wednesday, April 06, 2011 18:53:51
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 52
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23544.370	0.01				ug/L
|	Be	9	38.667	0.00	0.0872	0.023	26.701	ug/L
|	Al	27	5014984.566	29.98	911.9994	15.188	1.665	ug/L
⌊>	Sc	45	167186.019	167186.02				ug/L
⌈	Ti	49	4861.668	0.02	8.0744	0.327	4.052	ug/L
|	V	51	12494.425	0.03	1.0431	0.012	1.119	ug/L
|	Cr	52	17021.645	0.03	1.0262	0.024	2.330	ug/L
|	Cr	53	1373.565	0.00	1.2579	0.080	6.357	ug/L
|	Mn	55	3013924.560	9.55	241.0585	6.124	2.540	ug/L
|	Co	59	6594.573	0.02	0.6791	0.008	1.208	ug/L
|	Ni	60	5234.756	0.02	2.5985	0.071	2.715	ug/L
|	Cu	65	2909.452	0.01	1.3115	0.032	2.448	ug/L
|	Zn	66	10406.850	0.03	7.0429	0.169	2.404	ug/L
| >	Ge	72	315752.912	315752.91				ug/L
|	As	75	62.601	0.00	0.2347	0.020	8.550	ug/L
|	Se	77	77.334	-0.00	0.0246	0.094	381.284	ug/L
|	Se	82	11.838	0.00	0.0569	0.082	144.857	ug/L
⌊	Rb	85	7885.854	0.02				mg/L
	Y	89	256667.542	4540.30				ug/L
	Rh	103	17.667	5.67				ug/L
⌈	Mo	98	153.911	0.00	0.0169	0.008	46.242	ug/L
|	Ag	107	51.001	0.00	-0.0030	0.001	30.825	ug/L
|	Cd	114	62.748	0.00	0.0421	0.009	22.121	ug/L
| >	In	115	321811.372	321811.37				ug/L
|	Sn	118	155.068	0.00	-0.0426	0.002	5.319	ug/L
⌊	Sb	123	345.622	0.00	0.0885	0.010	10.881	ug/L
⌈	Ba	135	26404.087	0.06	15.6224	0.479	3.069	ug/L
|	Ce	140	63748.979	0.14				ug/L
⌊>	Tb	159	452868.411	452868.41				ug/L
⌈	Ho	165	1443.582	0.00				ug/L
|	Tl	203	466.016	0.00	0.0516	0.001	2.272	ug/L
|	Tl	205	1080.167	0.00	0.0474	0.003	6.734	ug/L
|	Pb	206	9656.423	0.02	1.1736	0.010	0.893	ug/L
|	Pb	207	8201.111	0.02	1.0558	0.024	2.250	ug/L
|	Pb	208	38628.626	0.08	1.1199	0.013	1.122	ug/L
|	U	238	4861.897	0.01	0.0944	0.002	2.227	ug/L
⌊>	Bi	209	449670.881	449670.88				ug/L

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Na	23	189603.667	1.05	0.0283	0.001	3.992	mg/L	
Mg	24	1254947.161	7.50	0.3875	0.002	0.642	mg/L	
K	39	626801.916	1.81	0.0414	0.003	6.754	mg/L	
Ca	43	3637.693	0.02	0.2043	0.011	5.525	mg/L	
Fe	54	1378267.755	7.98	2.4952	0.060	2.420	mg/L	
Fe	57	557206.057	3.30	2.4494	0.106	4.321	mg/L	
> Sc-1	45	167186.019	167186.02				mg/L	
Cl	35	30370.719	17776.79				mg/L	
Kr	83	57.001	-12.00				mg/L	
Br	81	8552.324	-30.03				mg/L	
P	31	12357.640	2549.49				mg/L	
S	34	122290.673	-9787.92				mg/L	
Sr	88	7633.676	7563.67				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.842			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.099			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.476			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.099			

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Erin D. Long

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 19:00:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21991.029	-0.00				ug/L
|	Be	9	17217.481	0.10	54.3729	1.722	3.166	ug/L
|	Al	27	277206.658	1.64	49.9243	2.107	4.221	ug/L
⌊>	Sc	45	167713.862	167713.86				ug/L
⌈	Ti	49	56102.568	0.18	96.8888	1.749	1.805	ug/L
|	V	51	450357.605	1.47	49.1086	0.201	0.409	ug/L
|	Cr	52	393424.707	1.26	49.8215	0.350	0.703	ug/L
|	Cr	53	45320.369	0.15	50.5833	1.453	2.872	ug/L
|	Mn	55	605434.524	1.99	50.1792	0.641	1.278	ug/L
|	Co	59	471129.677	1.55	50.4406	0.437	0.866	ug/L
|	Ni	60	98884.870	0.32	51.4595	1.124	2.185	ug/L
|	Cu	65	97877.664	0.32	50.2127	0.902	1.797	ug/L
|	Zn	66	60524.553	0.19	50.6191	0.687	1.357	ug/L
|>	Ge	72	304483.957	304483.96				ug/L
|	As	75	53966.605	0.18	51.2784	0.347	0.677	ug/L
|	Se	77	4429.648	0.01	50.6179	1.151	2.273	ug/L
|	Se	82	5706.216	0.02	52.5781	0.600	1.142	ug/L
⌊	Rb	85	2269.280	0.01				mg/L
	Y	89	234593.638	-17533.61				ug/L
	Rh	103	36.000	24.00				ug/L
⌈	Mo	98	327322.920	1.02	106.4338	1.479	1.389	ug/L
|	Ag	107	324050.462	1.01	50.6795	0.691	1.364	ug/L
|	Cd	114	64160.912	0.20	50.1098	1.183	2.360	ug/L
|>	In	115	320766.789	320766.79				ug/L
|	Sn	118	233634.818	0.73	51.1083	0.252	0.494	ug/L
⌊	Sb	123	197623.854	0.62	51.4341	0.329	0.640	ug/L
⌈	Ba	135	83915.794	0.19	50.0116	0.348	0.695	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	449728.360	449728.36				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	444296.035	1.04	50.2153	0.471	0.939	ug/L
|	Tl	205	1080601.992	2.52	49.1942	0.610	1.240	ug/L
|	Pb	206	360314.077	0.84	49.6170	0.237	0.477	ug/L
|	Pb	207	339167.641	0.79	49.5314	0.271	0.547	ug/L
|	Pb	208	1515434.291	3.53	49.7580	0.112	0.226	ug/L
|	U	238	2584291.053	6.03	50.5957	0.239	0.472	ug/L
⌊>	Bi	209	428335.598	428335.60				ug/L

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Erin D. Long

Na	23	23722256.681	141.47	4.9258	0.112	2.282	mg/L
Mg	24	16045702.556	95.83	4.9955	0.252	5.044	mg/L
K	39	33448061.366	197.76	4.9953	0.213	4.270	mg/L
Ca	43	83038.409	0.49	5.0292	0.150	2.992	mg/L
Fe	54	2850549.357	16.77	5.2413	0.315	6.019	mg/L
Fe	57	1238334.729	7.36	5.4761	0.349	6.365	mg/L
> Sc-1	45	167713.862	167713.86				mg/L
Cl	35	14600.652	2006.73				mg/L
Kr	83	57.667	-11.33				mg/L
Br	81	8486.934	-95.41				mg/L
P	31	9378.481	-429.67				mg/L
S	34	149396.252	17317.66				mg/L
Sr	88	2303.830	2233.82				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	98.217				
Cr	52	99.643				
Cr	53					
Mn	55	100.358				
Co	59	100.881				
Ni	60	102.919				
Cu	65	100.425				
Zn	66	101.238				
> Ge	72		95.315			
As	75	102.557				
Se	77					
Se	82	105.156				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.359				
Cd	114	100.220				
> In	115		93.793			
Sn	118					
Sb	123	102.868				
Ba	135	100.023				
Ce	140					
> Tb	159		94.814			
Ho	165					
Tl	203	100.431				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.516				
U	238	101.191				
> Bi	209		95.350			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 19:08:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21873.913	-0.00				ug/L
|	Be	9	16.000	-0.00	0.0145	0.000	3.172	ug/L
|	Al	27	1933.524	-0.00	-0.0798	0.055	68.700	ug/L
|>	Sc	45	170338.591	170338.59				ug/L
⌈	Ti	49	30.003	-0.00	0.0252	0.045	179.211	ug/L
|	V	51	2830.765	0.00	0.0261	0.009	33.925	ug/L
|	Cr	52	9025.829	0.00	0.0469	0.006	12.920	ug/L
|	Cr	53	243.361	0.00	0.0402	0.041	101.354	ug/L
|	Mn	55	505.351	0.00	-0.0035	0.003	75.904	ug/L
|	Co	59	67.001	0.00	0.0053	0.001	20.953	ug/L
|	Ni	60	33.667	-0.00	-0.0129	0.003	26.378	ug/L
|	Cu	65	193.670	0.00	-0.0338	0.007	19.725	ug/L
|	Zn	66	1416.781	-0.00	-0.4198	0.034	8.189	ug/L
|>	Ge	72	310579.632	310579.63				ug/L
|	As	75	-178.231	0.00	0.0120	0.042	352.052	ug/L
|	Se	77	70.667	-0.00	-0.0367	0.100	273.888	ug/L
|	Se	82	5.157	0.00	-0.0018	0.104	5648.411	ug/L
⌊	Rb	85	21.334	-0.00				mg/L
	Y	89	245628.165	-6499.08				ug/L
	Rh	103	18.000	6.00				ug/L
⌈	Mo	98	149.948	0.00	0.0144	0.008	54.901	ug/L
|	Ag	107	48.334	0.00	-0.0036	0.000	7.676	ug/L
|	Cd	114	4.015	0.00	-0.0037	0.007	183.842	ug/L
|>	In	115	330195.840	330195.84				ug/L
|	Sn	118	253.203	0.00	-0.0226	0.004	15.877	ug/L
⌊	Sb	123	136.074	0.00	0.0333	0.003	8.069	ug/L
⌈	Ba	135	31.334	0.00	0.0076	0.006	80.477	ug/L
|	Ce	140	16.668	-0.00				ug/L
|>	Tb	159	457514.299	457514.30				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	51.334	0.00	0.0071	0.001	20.889	ug/L
|	Tl	205	93.343	0.00	0.0047	0.002	47.293	ug/L
|	Pb	206	382.344	0.00	-0.0439	0.003	6.331	ug/L
|	Pb	207	340.009	0.00	-0.0384	0.001	3.760	ug/L
|	Pb	208	1518.727	0.00	-0.0417	0.002	4.094	ug/L
|	U	238	179.337	0.00	0.0072	0.001	10.686	ug/L
|>	Bi	209	437974.794	437974.79				ug/L

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Na	23	16451.860	0.01	-0.0079	0.000	2.685	mg/L	
Mg	24	1056.829	0.00	-0.0038	0.000	0.941	mg/L	
K	39	332337.518	0.01	-0.0041	0.001	32.956	mg/L	
Ca	43	150.016	-0.00	-0.0083	0.004	49.496	mg/L	
Fe	54	42547.721	-0.01	-0.0033	0.003	93.114	mg/L	
Fe	57	6249.245	-0.00	-0.0046	0.001	20.533	mg/L	
> Sc-1	45	170338.591	170338.59				mg/L	
Cl	35	13302.843	708.92				mg/L	
Kr	83	58.667	-10.33				mg/L	
Br	81	8895.291	312.94				mg/L	
P	31	8784.562	-1023.58				mg/L	
S	34	134840.812	2762.22				mg/L	
Sr	88	100.011	30.00				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.223			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		96.550			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.455			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.496			

Sample ID: QC Std 7
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Method 6020 - Summary Report

Sample ID: L1104010408 WG360839-01

Sample Date/Time: Wednesday, April 06, 2011 19:15:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 53
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26301.298	0.01				ug/L
|	Be	9	158.668	0.00	0.4083	0.025	6.094	ug/L
|	Al	27	19800392.347	104.64	3182.9975	337.076	10.590	ug/L
⌊>	Sc	45	189427.895	189427.89				ug/L
⌈	Ti	49	2690.632	0.01	4.4359	0.269	6.066	ug/L
|	V	51	44341.780	0.13	4.3895	0.234	5.321	ug/L
|	Cr	52	50501.996	0.13	5.1761	0.358	6.925	ug/L
|	Cr	53	5018.430	0.02	5.1725	0.264	5.107	ug/L
|	Mn	55	1524808.545	4.81	121.3632	7.006	5.773	ug/L
|	Co	59	96675.791	0.30	9.9333	0.658	6.625	ug/L
|	Ni	60	20054.677	0.06	9.9921	0.616	6.170	ug/L
|	Cu	65	13848.730	0.04	6.7058	0.257	3.830	ug/L
|	Zn	66	30254.069	0.09	23.4443	1.148	4.896	ug/L
|>	Ge	72	317181.911	317181.91				ug/L
|	As	75	296.414	0.00	0.4471	0.009	1.968	ug/L
|	Se	77	93.334	0.00	0.1983	0.153	77.086	ug/L
|	Se	82	6.397	0.00	0.0091	0.099	1082.594	ug/L
⌊	Rb	85	25039.606	0.08				mg/L
	Y	89	277619.450	25492.21				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	217.840	0.00	0.0373	0.005	14.022	ug/L
|	Ag	107	69.001	0.00	-0.0002	0.001	524.135	ug/L
|	Cd	114	30.400	0.00	0.0168	0.011	63.010	ug/L
|>	In	115	323779.368	323779.37				ug/L
|	Sn	118	163.068	0.00	-0.0411	0.003	7.027	ug/L
⌊	Sb	123	81.239	0.00	0.0198	0.003	17.378	ug/L
⌈	Ba	135	85428.483	0.19	50.0543	2.742	5.479	ug/L
|	Ce	140	601111.622	1.31				ug/L
⌊>	Tb	159	457502.644	457502.64				ug/L
⌈	Ho	165	3604.345	0.01				ug/L
|	Tl	203	243.672	0.00	0.0277	0.003	10.170	ug/L
|	Tl	205	576.741	0.00	0.0256	0.003	12.024	ug/L
|	Pb	206	38545.035	0.09	4.9766	0.405	8.137	ug/L
|	Pb	207	32862.641	0.07	4.4978	0.303	6.742	ug/L
|	Pb	208	154360.422	0.34	4.7511	0.301	6.332	ug/L
|	U	238	17656.098	0.04	0.3333	0.020	5.920	ug/L
⌊>	Bi	209	449611.356	449611.36				ug/L

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⌈	Na	23	456007.486	2.33	0.0728	0.004	4.924	mg/L
|	Mg	24	4194129.332	22.16	1.1522	0.096	8.331	mg/L
|	K	39	1827041.708	7.71	0.1905	0.008	3.972	mg/L
|	Ca	43	13133.266	0.07	0.6890	0.026	3.728	mg/L
|	Fe	54	4257060.937	22.24	6.9499	0.570	8.205	mg/L
|	Fe	57	1825157.380	9.61	7.1505	0.741	10.360	mg/L
⌊>	Sc-1	45	189427.895	189427.89				mg/L
	Cl	35	14307.562	1713.64				mg/L
	Kr	83	69.334	0.33				mg/L
	Br	81	8392.189	-190.16				mg/L
	P	31	27811.385	18003.24				mg/L
	S	34	131305.218	-773.38				mg/L
	Sr	88	43351.567	43281.56				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.290			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.674			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.453			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.086			

Sample ID: L1104010408 WG360839-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010408S WG360839-04

Sample Date/Time: Wednesday, April 06, 2011 19:22:19
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 54
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23210.311	-0.01				ug/L
|	Be	9	1976.196	0.01	5.4967	0.282	5.125	ug/L
|	Al	27	26867357.399	141.93	4317.2039	207.876	4.815	ug/L
⌊>	Sc	45	189675.060	189675.06				ug/L
⌈	Ti	49	6169.192	0.02	10.4860	0.611	5.827	ug/L
|	V	51	115617.913	0.37	12.2286	0.623	5.096	ug/L
|	Cr	52	115014.640	0.34	13.5875	0.622	4.578	ug/L
|	Cr	53	12889.615	0.04	14.0272	0.839	5.980	ug/L
|	Mn	55	2811916.455	9.11	230.0576	11.151	4.847	ug/L
|	Co	59	125036.175	0.40	13.2050	0.573	4.337	ug/L
|	Ni	60	33853.960	0.11	17.3591	0.648	3.730	ug/L
|	Cu	65	30176.851	0.10	15.1812	0.726	4.784	ug/L
|	Zn	66	46877.512	0.15	38.2866	2.639	6.894	ug/L
| >	Ge	72	308555.402	308555.40				ug/L
|	As	75	8212.473	0.03	7.8486	0.432	5.499	ug/L
|	Se	77	556.682	0.00	5.5389	0.589	10.641	ug/L
|	Se	82	589.473	0.00	5.3161	0.212	3.984	ug/L
⌊	Rb	85	41670.841	0.13				mg/L
	Y	89	303264.143	51136.90				ug/L
	Rh	103	34.334	22.33				ug/L
⌈	Mo	98	832.691	0.00	0.2396	0.003	1.407	ug/L
|	Ag	107	30582.371	0.10	4.8038	0.208	4.333	ug/L
|	Cd	114	7037.902	0.02	5.5255	0.100	1.808	ug/L
| >	In	115	318768.270	318768.27				ug/L
|	Sn	118	220.936	0.00	-0.0278	0.001	3.327	ug/L
⌊	Sb	123	628.516	0.00	0.1635	0.008	5.041	ug/L
⌈	Ba	135	463667.101	1.02	274.7613	13.653	4.969	ug/L
|	Ce	140	452698.962	1.00				ug/L
⌊>	Tb	159	452493.556	452493.56				ug/L
⌈	Ho	165	5672.178	0.01				ug/L
|	Tl	203	44691.825	0.10	5.0154	0.216	4.316	ug/L
|	Tl	205	113168.589	0.26	5.1139	0.223	4.359	ug/L
|	Pb	206	86803.792	0.20	11.7936	0.649	5.505	ug/L
|	Pb	207	74985.783	0.17	10.8049	0.752	6.956	ug/L
|	Pb	208	348500.516	0.80	11.2907	0.693	6.136	ug/L
|	U	238	290049.361	0.67	5.6412	0.348	6.170	ug/L
⌊>	Bi	209	431636.359	431636.36				ug/L

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⌈	Na	23	842683.602	4.38	0.1444	0.012	8.228	mg/L
|	Mg	24	8031545.165	42.52	2.2145	0.156	7.043	mg/L
|	K	39	2691219.963	12.28	0.3062	0.016	5.138	mg/L
|	Ca	43	134398.079	0.71	7.2013	0.173	2.400	mg/L
|	Fe	54	6631292.364	34.77	10.8670	0.428	3.942	mg/L
|	Fe	57	2770210.646	14.58	10.8489	0.211	1.942	mg/L
⌊>	Sc-1	45	189675.060	189675.06				mg/L
	Cl	35	18778.283	6184.36				mg/L
	Kr	83	63.668	-5.33				mg/L
	Br	81	8470.922	-111.43				mg/L
	P	31	56730.147	46922.00				mg/L
	S	34	152082.300	20003.70				mg/L
	Sr	88	399087.425	399017.42				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.589			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.209			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.397			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.085			

Sample ID: L1104010408S WG360839-04
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104010408SD WG360839-05

Sample Date/Time: Wednesday, April 06, 2011 19:29:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 55
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23394.136	0.00				ug/L
|	Be	9	2000.867	0.01	6.0781	0.136	2.235	ug/L
|	Al	27	25680861.770	148.34	4512.2831	344.813	7.642	ug/L
⌊>	Sc	45	173272.009	173272.01				ug/L
⌈	Ti	49	3834.453	0.01	6.4725	0.352	5.440	ug/L
|	V	51	131005.359	0.41	13.8128	0.271	1.961	ug/L
|	Cr	52	124554.150	0.37	14.7140	0.283	1.924	ug/L
|	Cr	53	13964.475	0.04	15.1259	0.250	1.651	ug/L
|	Mn	55	3053351.129	9.84	248.4076	8.274	3.331	ug/L
|	Co	59	107120.431	0.34	11.2471	0.184	1.637	ug/L
|	Ni	60	39562.841	0.13	20.1738	0.445	2.208	ug/L
|	Cu	65	42031.597	0.13	21.0731	0.678	3.216	ug/L
|	Zn	66	51106.869	0.16	41.6492	1.830	4.393	ug/L
|>	Ge	72	310470.048	310470.05				ug/L
|	As	75	11279.093	0.04	10.6525	0.151	1.416	ug/L
|	Se	77	526.014	0.00	5.1505	0.146	2.835	ug/L
|	Se	82	570.512	0.00	5.1119	0.148	2.891	ug/L
⌊	Rb	85	55476.364	0.18				mg/L
	Y	89	296171.835	44044.59				ug/L
	Rh	103	44.667	32.67				ug/L
⌈	Mo	98	1621.015	0.00	0.5011	0.021	4.177	ug/L
|	Ag	107	28699.090	0.09	4.5359	0.127	2.806	ug/L
|	Cd	114	7035.859	0.02	5.5596	0.158	2.848	ug/L
|>	In	115	316731.685	316731.69				ug/L
|	Sn	118	150.001	0.00	-0.0432	0.000	1.085	ug/L
⌊	Sb	123	300.411	0.00	0.0781	0.001	1.440	ug/L
⌈	Ba	135	898007.846	2.01	537.8194	12.125	2.255	ug/L
|	Ce	140	251476.385	0.56				ug/L
⌊>	Tb	159	447632.011	447632.01				ug/L
⌈	Ho	165	4598.186	0.01				ug/L
|	Tl	203	44918.777	0.10	5.0068	0.074	1.473	ug/L
|	Tl	205	112449.926	0.26	5.0472	0.008	0.155	ug/L
|	Pb	206	113195.603	0.26	15.3044	0.598	3.905	ug/L
|	Pb	207	96585.249	0.22	13.8454	0.340	2.453	ug/L
|	Pb	208	452423.945	1.04	14.5840	0.437	2.998	ug/L
|	U	238	279926.449	0.64	5.4074	0.170	3.152	ug/L
⌊>	Bi	209	434458.619	434458.62				ug/L

Sample ID: L1104010408SD WG360839-05
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Na	23	843376.798	4.79	0.1586	0.006	3.524	mg/L	
Mg	24	6767475.959	39.07	2.0342	0.062	3.061	mg/L	
K	39	3148490.232	16.23	0.4061	0.007	1.801	mg/L	
Ca	43	103251.199	0.60	6.0551	0.368	6.078	mg/L	
Fe	54	6829145.503	39.18	12.2439	0.598	4.880	mg/L	
Fe	57	2947630.768	16.98	12.6349	0.300	2.371	mg/L	
> Sc-1	45	173272.009	173272.01				mg/L	
Cl	35	27013.104	14419.18				mg/L	
Kr	83	59.001	-10.00				mg/L	
Br	81	8772.514	190.16				mg/L	
P	31	74847.068	65038.92				mg/L	
S	34	153627.310	21548.71				mg/L	
Sr	88	758789.585	758719.58				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.189			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		92.613			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.372			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.713			

Sample ID: L1104010408SD WG360839-05
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Ba 135 Upper, S, EEE	Ba	135	

Sample ID: L1104010408SD WG360839-05
Report Date/Time: Wednesday, April 06, 2011 19:31:41
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 19:36:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21456.557	-0.01				ug/L
|	Be	9	16691.920	0.10	50.9020	0.787	1.546	ug/L
|	Al	27	274937.719	1.57	47.7938	3.392	7.097	ug/L
|>	Sc	45	173526.321	173526.32				ug/L
⌈	Ti	49	56793.149	0.19	97.4611	0.717	0.736	ug/L
|	V	51	457413.568	1.48	49.5647	0.305	0.616	ug/L
|	Cr	52	395313.383	1.26	49.7441	0.637	1.280	ug/L
|	Cr	53	46690.081	0.15	51.7869	0.874	1.687	ug/L
|	Mn	55	609081.417	1.99	50.1603	0.851	1.697	ug/L
|	Co	59	472047.038	1.54	50.2196	0.887	1.767	ug/L
|	Ni	60	100618.376	0.33	52.0247	0.696	1.338	ug/L
|	Cu	65	98570.806	0.32	50.2448	0.883	1.758	ug/L
|	Zn	66	60352.906	0.19	50.1382	1.168	2.330	ug/L
|>	Ge	72	306422.293	306422.29				ug/L
|	As	75	53815.925	0.18	50.8115	0.196	0.385	ug/L
|	Se	77	4617.066	0.01	52.4626	0.967	1.843	ug/L
|	Se	82	5709.606	0.02	52.2763	0.806	1.542	ug/L
⌊	Rb	85	2327.294	0.01				mg/L
	Y	89	240682.455	-11444.79				ug/L
	Rh	103	42.667	30.67				ug/L
⌈	Mo	98	333855.529	1.02	106.4438	1.776	1.669	ug/L
|	Ag	107	329753.511	1.01	50.5740	1.467	2.900	ug/L
|	Cd	114	65487.318	0.20	50.1390	0.474	0.946	ug/L
|>	In	115	327209.154	327209.15				ug/L
|	Sn	118	235982.787	0.72	50.6157	0.853	1.684	ug/L
⌊	Sb	123	198557.802	0.61	50.6676	0.753	1.487	ug/L
⌈	Ba	135	85872.326	0.19	50.5407	0.468	0.926	ug/L
|	Ce	140	90.009	0.00				ug/L
|>	Tb	159	455401.170	455401.17				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	449067.039	1.04	50.5036	0.079	0.156	ug/L
|	Tl	205	1103126.886	2.56	49.9687	0.259	0.519	ug/L
|	Pb	206	365140.201	0.85	50.0342	0.350	0.699	ug/L
|	Pb	207	345265.433	0.80	50.1753	0.247	0.491	ug/L
|	Pb	208	1537879.710	3.57	50.2481	0.152	0.303	ug/L
|	U	238	2618658.947	6.08	51.0185	0.804	1.575	ug/L
|>	Bi	209	430452.181	430452.18				ug/L

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Na	23	23884344.517	137.58	4.7902	0.065	1.362	mg/L	
Mg	24	15907656.831	91.72	4.7812	0.213	4.461	mg/L	
K	39	34384850.649	196.33	4.9593	0.255	5.141	mg/L	
Ca	43	83559.891	0.48	4.8857	0.223	4.559	mg/L	
Fe	54	2910107.564	16.51	5.1604	0.083	1.615	mg/L	
Fe	57	1223442.028	7.01	5.2171	0.112	2.153	mg/L	
> Sc-1	45	173526.321	173526.32				mg/L	
Cl	35	14139.991	1546.07				mg/L	
Kr	83	51.001	-18.00				mg/L	
Br	81	8737.818	155.47				mg/L	
P	31	9441.807	-366.34				mg/L	
S	34	148207.690	16129.09				mg/L	
Sr	88	2297.160	2227.15				mg/L	

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	Ti	49					
	V	51	99.129				
	Cr	52	99.488				
	Cr	53					
	Mn	55	100.321				
	Co	59	100.439				
	Ni	60	104.049				
	Cu	65	100.490				
	Zn	66	100.276				
>	Ge	72		95.922			
	As	75	101.623				
	Se	77					
	Se	82	104.553				
	Rb	85					
	Y	89					
	Rh	103					
	Mo	98					
	Ag	107	101.148				
	Cd	114	100.278				
>	In	115		95.677			
	Sn	118					
	Sb	123	101.335				
	Ba	135	101.081				
	Ce	140					
>	Tb	159		96.010			
	Ho	165					
	Tl	203	101.007				
	Tl	205					
	Pb	206					
	Pb	207					
	Pb	208	100.496				
	U	238	102.037				
>	Bi	209		95.821			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 19:38:48
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 19:38:48
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 19:43:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21372.818	-0.01				ug/L
|	Be	9	9.333	-0.00	-0.0066	0.015	223.747	ug/L
|	Al	27	2366.947	0.00	-0.0060	0.012	198.400	ug/L
⌊>	Sc	45	171968.706	171968.71				ug/L
⌈	Ti	49	76.675	0.00	0.1015	0.053	52.349	ug/L
|	V	51	2820.491	-0.00	0.0191	0.010	53.167	ug/L
|	Cr	52	9126.255	0.00	0.0370	0.031	84.182	ug/L
|	Cr	53	176.686	0.00	-0.0370	0.034	90.904	ug/L
|	Mn	55	429.014	0.00	-0.0104	0.003	26.826	ug/L
|	Co	59	68.334	0.00	0.0053	0.000	6.800	ug/L
|	Ni	60	41.667	0.00	-0.0092	0.005	58.504	ug/L
|	Cu	65	188.670	-0.00	-0.0382	0.003	9.057	ug/L
|	Zn	66	1370.441	-0.00	-0.4820	0.006	1.169	ug/L
|>	Ge	72	316802.529	316802.53				ug/L
|	As	75	-266.285	-0.00	-0.0647	0.024	37.147	ug/L
|	Se	77	76.000	-0.00	0.0070	0.138	1958.829	ug/L
|	Se	82	-10.571	-0.00	-0.1417	0.042	29.360	ug/L
⌊	Rb	85	31.667	0.00				mg/L
	Y	89	252018.107	-109.14				ug/L
	Rh	103	13.000	1.00				ug/L
⌈	Mo	98	144.431	0.00	0.0116	0.007	59.397	ug/L
|	Ag	107	42.001	0.00	-0.0047	0.001	21.028	ug/L
|	Cd	114	2.430	0.00	-0.0050	0.001	14.442	ug/L
|>	In	115	338821.824	338821.82				ug/L
|	Sn	118	255.203	0.00	-0.0235	0.005	22.992	ug/L
⌊	Sb	123	74.365	0.00	0.0172	0.002	11.470	ug/L
⌈	Ba	135	29.334	0.00	0.0062	0.007	119.855	ug/L
|	Ce	140	23.336	0.00				ug/L
⌊>	Tb	159	463015.481	463015.48				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	170.003	0.00	0.0204	0.002	11.396	ug/L
|	Tl	205	406.716	0.00	0.0188	0.003	15.176	ug/L
|	Pb	206	375.344	0.00	-0.0445	0.002	4.420	ug/L
|	Pb	207	323.675	0.00	-0.0403	0.001	2.752	ug/L
|	Pb	208	1496.726	0.00	-0.0420	0.002	3.958	ug/L
|	U	238	125.669	0.00	0.0061	0.000	4.951	ug/L
⌊>	Bi	209	434677.468	434677.47				ug/L

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Na	23	15900.900	0.01	-0.0080	0.000	2.014	mg/L	
Mg	24	780.109	0.00	-0.0039	0.000	1.033	mg/L	
K	39	349035.174	0.09	-0.0020	0.004	220.100	mg/L	
Ca	43	176.686	-0.00	-0.0068	0.003	37.782	mg/L	
Fe	54	40777.529	-0.02	-0.0070	0.008	112.851	mg/L	
Fe	57	6556.141	-0.00	-0.0035	0.002	61.254	mg/L	
> Sc-1	45	171968.706	171968.71				mg/L	
Cl	35	13728.751	1134.83				mg/L	
Kr	83	65.668	-3.33				mg/L	
Br	81	9309.666	727.32				mg/L	
P	31	8934.666	-873.48				mg/L	
S	34	145882.433	13803.84				mg/L	
Sr	88	63.340	-6.67				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		99.171			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		99.073			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		97.615			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.762			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 19:45:53
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 19:45:53
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Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Wednesday, April 06, 2011 19:50:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22575.478	-0.01				ug/L
|	Be	9	16.000	-0.00	0.0117	0.018	155.786	ug/L
|	Al	27	2733.714	0.00	0.0461	0.098	213.036	ug/L
⌊>	Sc	45	177888.637	177888.64				ug/L
⌈	Ti	49	40.004	-0.00	0.0405	0.017	40.856	ug/L
|	V	51	6535.735	0.01	0.4082	0.009	2.214	ug/L
|	Cr	52	16018.647	0.02	0.8872	0.015	1.733	ug/L
|	Cr	53	993.482	0.00	0.8393	0.073	8.669	ug/L
|	Mn	55	6675.295	0.02	0.4857	0.010	2.056	ug/L
|	Co	59	4127.893	0.01	0.4215	0.005	1.161	ug/L
|	Ni	60	3413.283	0.01	1.6718	0.003	0.194	ug/L
|	Cu	65	1776.175	0.00	0.7434	0.005	0.677	ug/L
|	Zn	66	8559.748	0.02	5.4559	0.078	1.424	ug/L
| >	Ge	72	317937.962	317937.96				ug/L
|	As	75	233.587	0.00	0.3895	0.061	15.570	ug/L
|	Se	77	121.334	0.00	0.5079	0.053	10.510	ug/L
|	Se	82	40.751	0.00	0.3120	0.067	21.493	ug/L
⌊	Rb	85	22.000	-0.00				mg/L
	Y	89	248983.273	-3143.97				ug/L
	Rh	103	15.333	3.33				ug/L
⌈	Mo	98	73.243	0.00	-0.0102	0.003	30.206	ug/L
|	Ag	107	2871.108	0.01	0.4170	0.012	2.776	ug/L
|	Cd	114	308.908	0.00	0.2232	0.019	8.473	ug/L
| >	In	115	336698.208	336698.21				ug/L
|	Sn	118	149.868	0.00	-0.0452	0.001	1.562	ug/L
⌊	Sb	123	1639.846	0.00	0.4055	0.013	3.212	ug/L
⌈	Ba	135	1327.435	0.00	0.7595	0.015	1.958	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	462091.993	462091.99				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	848.044	0.00	0.0949	0.001	0.842	ug/L
|	Tl	205	1933.714	0.00	0.0864	0.002	1.921	ug/L
|	Pb	206	3333.923	0.01	0.3530	0.020	5.532	ug/L
|	Pb	207	3045.828	0.01	0.3475	0.014	3.973	ug/L
|	Pb	208	13982.383	0.03	0.3579	0.008	2.273	ug/L
|	U	238	20544.295	0.05	0.3957	0.004	1.066	ug/L
⌊>	Bi	209	439481.917	439481.92				ug/L

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⌈	Na	23	10056.074	-0.03	-0.0093	0.000	1.145	mg/L
|	Mg	24	380.045	0.00	-0.0040	0.000	0.229	mg/L
|	K	39	322951.223	-0.12	-0.0074	0.002	28.232	mg/L
|	Ca	43	196.688	0.00	-0.0061	0.001	14.388	mg/L
|	Fe	54	42018.810	-0.02	-0.0074	0.002	30.284	mg/L
|	Fe	57	7240.014	0.00	-0.0015	0.003	193.415	mg/L
⌊>	Sc-1	45	177888.637	177888.64				mg/L
	Cl	35	12539.196	-54.73				mg/L
	Kr	83	67.001	-2.00				mg/L
	Br	81	9288.980	706.63				mg/L
	P	31	9012.842	-795.30				mg/L
	S	34	127564.689	-4513.91				mg/L
	Sr	88	143.349	73.34				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	102.041				
|	Cr	52	110.900				
|	Cr	53					
|	Mn	55	97.140				
|	Co	59	105.382				
|	Ni	60	104.486				
|	Cu	65	92.920				
|	Zn	66	87.295				
|>	Ge	72		99.526			
|	As	75	97.366				
|	Se	77					
|	Se	82	78.003				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	104.244				
|	Cd	114	111.583				
|>	In	115		98.452			
|	Sn	118					
⌊	Sb	123	101.380				
⌈	Ba	135	101.262				
|	Ce	140					
⌊>	Tb	159		97.420			
⌈	Ho	165					
|	Tl	203	118.597				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	89.467				
|	U	238	98.931				
⌊>	Bi	209		97.831			

Sample ID: QC Std 8
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 8
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Method 6020 - Summary Report

Sample ID: PBW 47 WG360892-04

Sample Date/Time: Wednesday, April 06, 2011 19:57:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 56
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23845.082	-0.01				ug/L
|	Be	9	14.000	-0.00	0.0034	0.005	152.463	ug/L
|	Al	27	19919.824	0.09	2.7379	0.193	7.062	ug/L
⌊>	Sc	45	192012.995	192013.00				ug/L
⌈	Ti	49	73.341	0.00	0.0930	0.009	9.673	ug/L
|	V	51	3182.194	0.00	0.0489	0.003	5.573	ug/L
|	Cr	52	10901.715	0.00	0.2242	0.023	10.371	ug/L
|	Cr	53	346.707	0.00	0.1366	0.040	29.442	ug/L
|	Mn	55	2026.559	0.01	0.1130	0.004	3.159	ug/L
|	Co	59	80.668	0.00	0.0064	0.001	12.573	ug/L
|	Ni	60	412.346	0.00	0.1712	0.015	9.031	ug/L
|	Cu	65	979.058	0.00	0.3405	0.005	1.597	ug/L
|	Zn	66	4515.065	0.01	2.0339	0.105	5.166	ug/L
| >	Ge	72	324854.875	324854.87				ug/L
|	As	75	-171.599	0.00	0.0255	0.036	140.197	ug/L
|	Se	77	72.000	-0.00	-0.0584	0.095	163.204	ug/L
|	Se	82	8.174	0.00	0.0231	0.079	342.034	ug/L
⌊	Rb	85	56.001	0.00				mg/L
	Y	89	261378.076	9250.83				ug/L
	Rh	103	11.000	-1.00				ug/L
⌈	Mo	98	84.837	0.00	-0.0073	0.002	24.546	ug/L
|	Ag	107	40.334	0.00	-0.0051	0.000	1.204	ug/L
|	Cd	114	0.341	0.00	-0.0065	0.004	65.977	ug/L
| >	In	115	345999.260	345999.26				ug/L
|	Sn	118	388.274	0.00	0.0024	0.003	114.409	ug/L
⌊	Sb	123	129.990	0.00	0.0302	0.002	8.213	ug/L
⌈	Ba	135	301.674	0.00	0.1551	0.005	3.253	ug/L
|	Ce	140	243.361	0.00				ug/L
⌊>	Tb	159	487567.407	487567.41				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	243.006	0.00	0.0269	0.012	45.058	ug/L
|	Tl	205	530.070	0.00	0.0229	0.013	57.029	ug/L
|	Pb	206	519.352	0.00	-0.0290	0.000	1.323	ug/L
|	Pb	207	450.681	0.00	-0.0258	0.003	9.966	ug/L
|	Pb	208	2018.099	0.00	-0.0289	0.001	3.255	ug/L
|	U	238	72.334	0.00	0.0050	0.000	1.345	ug/L
⌊>	Bi	209	461744.679	461744.68				ug/L

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Na	23	93413.935	0.40	0.0058	0.001	17.163	mg/L	
Mg	24	33375.605	0.17	0.0050	0.001	10.753	mg/L	
K	39	402076.767	0.15	-0.0004	0.003	787.318	mg/L	
Ca	43	833.451	0.00	0.0270	0.004	14.191	mg/L	
Fe	54	98370.100	0.25	0.0793	0.013	16.032	mg/L	
Fe	57	8544.505	0.01	0.0013	0.003	209.848	mg/L	
> Sc-1	45	192012.995	192013.00				mg/L	
Cl	35	27265.123	14671.20				mg/L	
Kr	83	56.667	-12.33				mg/L	
Br	81	10807.175	2224.83				mg/L	
P	31	23275.724	13467.58				mg/L	
S	34	154694.104	22615.51				mg/L	
Sr	88	1887.034	1817.03				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		101.692			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		101.171			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		102.791			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		102.787			

Sample ID: PBW 47 WG360892-04
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 47 WG360892-04
Report Date/Time: Wednesday, April 06, 2011 20:00:12
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: LCSW 47 WG360892-05

Sample Date/Time: Wednesday, April 06, 2011 20:05:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 57
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23243.729	-0.00				ug/L
|	Be	9	8682.435	0.05	25.2571	0.478	1.894	ug/L
|	Al	27	166833.057	0.91	27.5213	2.157	7.837	ug/L
⌊>	Sc	45	181805.432	181805.43				ug/L
⌈	Ti	49	83.342	0.00	0.1146	0.096	83.796	ug/L
|	V	51	258522.635	0.82	27.2874	0.323	1.184	ug/L
|	Cr	52	234849.527	0.72	28.4566	0.156	0.548	ug/L
|	Cr	53	26765.161	0.09	28.9491	1.371	4.736	ug/L
|	Mn	55	359191.277	1.15	28.9263	0.323	1.117	ug/L
|	Co	59	272053.730	0.87	28.3197	0.413	1.460	ug/L
|	Ni	60	57435.388	0.18	29.0446	0.233	0.804	ug/L
|	Cu	65	56406.203	0.18	28.0764	0.315	1.122	ug/L
|	Zn	66	47607.198	0.15	38.3318	0.409	1.066	ug/L
|>	Ge	72	313149.355	313149.35				ug/L
|	As	75	26852.319	0.09	24.8996	0.318	1.276	ug/L
|	Se	77	2068.214	0.01	22.5230	0.470	2.086	ug/L
|	Se	82	2547.858	0.01	22.7993	0.162	0.709	ug/L
⌊	Rb	85	96.668	0.00				mg/L
	Y	89	252434.918	307.67				ug/L
	Rh	103	25.000	13.00				ug/L
⌈	Mo	98	69.580	0.00	-0.0112	0.004	32.962	ug/L
|	Ag	107	165089.260	0.49	24.7855	0.259	1.044	ug/L
|	Cd	114	34016.436	0.10	25.5081	0.364	1.427	ug/L
|>	In	115	334068.268	334068.27				ug/L
|	Sn	118	283.604	0.00	-0.0168	0.002	11.237	ug/L
⌊	Sb	123	103453.259	0.31	25.8519	0.107	0.413	ug/L
⌈	Ba	135	47900.601	0.10	27.3157	0.107	0.392	ug/L
|	Ce	140	256.696	0.00				ug/L
⌊>	Tb	159	469906.051	469906.05				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	252084.483	0.57	27.5550	0.259	0.939	ug/L
|	Tl	205	624586.809	1.41	27.4968	0.923	3.355	ug/L
|	Pb	206	210847.606	0.48	28.0429	0.265	0.944	ug/L
|	Pb	207	187410.775	0.42	26.4351	0.361	1.367	ug/L
|	Pb	208	868532.557	1.96	27.5446	0.253	0.918	ug/L
|	U	238	1452426.790	3.28	27.5090	0.524	1.905	ug/L
⌊>	Bi	209	442866.409	442866.41				ug/L

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Na	23	65594.389	0.28	0.0014	0.000	10.723	mg/L	
Mg	24	27604.143	0.15	0.0038	0.000	6.669	mg/L	
K	39	374903.360	0.12	-0.0012	0.004	311.109	mg/L	
Ca	43	586.743	0.00	0.0157	0.007	45.037	mg/L	
Fe	54	99293.108	0.29	0.0895	0.007	8.280	mg/L	
Fe	57	8551.186	0.01	0.0032	0.003	103.677	mg/L	
> Sc-1	45	181805.432	181805.43				mg/L	
Cl	35	22016.877	9422.95				mg/L	
Kr	83	58.334	-10.67				mg/L	
Br	81	9849.518	1267.17				mg/L	
P	31	18873.160	9065.01				mg/L	
S	34	145347.144	13268.55				mg/L	
Sr	88	1633.631	1563.62				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.027			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		97.683			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.068			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.585			

Sample ID: LCSW 47 WG360892-05
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 47 WG360892-05
Report Date/Time: Wednesday, April 06, 2011 20:07:22
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104014901 WG360892-03

Sample Date/Time: Wednesday, April 06, 2011 20:12:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 58
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25683.011	0.02				ug/L
|	Be	9	13.333	-0.00	0.0060	0.014	233.497	ug/L
|	Al	27	222919.631	1.31	39.8829	7.969	19.982	ug/L
⌊>	Sc	45	169613.516	169613.52				ug/L
⌈	Ti	49	776.775	0.00	1.3409	0.282	21.042	ug/L
|	V	51	9210.699	0.02	0.7510	0.028	3.733	ug/L
|	Cr	52	16870.403	0.03	1.1266	0.071	6.281	ug/L
|	Cr	53	1023.489	0.00	0.9411	0.129	13.758	ug/L
|	Mn	55	135953.012	0.45	11.4485	0.067	0.589	ug/L
|	Co	59	1641.485	0.01	0.1774	0.003	1.880	ug/L
|	Ni	60	1927.205	0.01	0.9925	0.042	4.261	ug/L
|	Cu	65	1202.084	0.00	0.4986	0.017	3.404	ug/L
|	Zn	66	11447.997	0.03	8.4514	0.184	2.178	ug/L
|>	Ge	72	298763.124	298763.12				ug/L
|	As	75	1758.513	0.01	1.8744	0.044	2.373	ug/L
|	Se	77	84.667	0.00	0.1610	0.201	125.045	ug/L
|	Se	82	34.873	0.00	0.2798	0.038	13.628	ug/L
⌊	Rb	85	5809.078	0.02				mg/L
	Y	89	234081.361	-18045.88				ug/L
	Rh	103	49.001	37.00				ug/L
⌈	Mo	98	10082.685	0.03	3.3477	0.030	0.904	ug/L
|	Ag	107	45.334	0.00	-0.0036	0.001	20.917	ug/L
|	Cd	114	18.156	0.00	0.0079	0.002	20.554	ug/L
|>	In	115	311168.773	311168.77				ug/L
|	Sn	118	180.002	0.00	-0.0358	0.001	3.579	ug/L
⌊	Sb	123	879.621	0.00	0.2349	0.009	3.770	ug/L
⌈	Ba	135	27527.782	0.06	16.4343	0.229	1.393	ug/L
|	Ce	140	1300.215	0.00				ug/L
⌊>	Tb	159	448763.403	448763.40				ug/L
⌈	Ho	165	56.673	0.00				ug/L
|	Tl	203	1416.448	0.00	0.1604	0.001	0.771	ug/L
|	Tl	205	3774.425	0.01	0.1712	0.012	6.960	ug/L
|	Pb	206	701.032	0.00	0.0006	0.005	979.936	ug/L
|	Pb	207	625.693	0.00	0.0039	0.004	99.120	ug/L
|	Pb	208	2845.521	0.00	0.0024	0.004	158.906	ug/L
|	U	238	11922.223	0.03	0.2355	0.004	1.857	ug/L
⌊>	Bi	209	431376.512	431376.51				ug/L

Sample ID: L1104014901 WG360892-03
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Na	23	19014051.758	112.23	3.9059	0.186	4.752	mg/L	
Mg	24	6637970.052	39.21	2.0415	0.092	4.504	mg/L	
K	39	4752107.596	26.12	0.6560	0.028	4.247	mg/L	
Ca	43	170736.759	1.01	10.2596	0.725	7.068	mg/L	
Fe	54	94495.600	0.30	0.0934	0.015	16.117	mg/L	
Fe	57	23847.450	0.10	0.0730	0.007	8.989	mg/L	
> Sc-1	45	169613.516	169613.52				mg/L	
Cl	35	107547.356	94953.43				mg/L	
Kr	83	53.001	-16.00				mg/L	
Br	81	15805.826	7223.48				mg/L	
P	31	15986.840	6178.69				mg/L	
S	34	338928.862	206850.27				mg/L	
Sr	88	1258289.150	1258219.14				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		93.524			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.987			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.610			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.027			

Sample ID: L1104014901 WG360892-03
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901 WG360892-03
Report Date/Time: Wednesday, April 06, 2011 20:14:31
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Method 6020 - Summary Report

Sample ID: L1104014901DUP WG360892-09

Sample Date/Time: Wednesday, April 06, 2011 20:19:25
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 59
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22324.949	0.00				ug/L
|	Be	9	12.000	-0.00	0.0035	0.018	496.914	ug/L
|	Al	27	196046.870	1.18	35.8540	2.550	7.112	ug/L
⌊>	Sc	45	164376.776	164376.78				ug/L
⌈	Ti	49	706.763	0.00	1.2416	0.144	11.625	ug/L
|	V	51	8556.158	0.02	0.6958	0.009	1.273	ug/L
|	Cr	52	16068.062	0.03	1.0605	0.021	2.018	ug/L
|	Cr	53	1143.515	0.00	1.1044	0.259	23.414	ug/L
|	Mn	55	123610.853	0.42	10.5999	0.072	0.679	ug/L
|	Co	59	1549.469	0.01	0.1705	0.003	1.932	ug/L
|	Ni	60	1789.511	0.01	0.9371	0.018	1.922	ug/L
|	Cu	65	1122.408	0.00	0.4678	0.019	4.032	ug/L
|	Zn	66	4690.480	0.01	2.5836	0.028	1.080	ug/L
|>	Ge	72	293306.274	293306.27				ug/L
|	As	75	1511.960	0.01	1.6640	0.037	2.237	ug/L
|	Se	77	70.667	-0.00	0.0105	0.100	955.685	ug/L
|	Se	82	28.171	0.00	0.2217	0.153	68.810	ug/L
⌊	Rb	85	5212.077	0.02				mg/L
	Y	89	223308.190	-28819.05				ug/L
	Rh	103	51.667	39.67				ug/L
⌈	Mo	98	8676.718	0.03	2.9551	0.044	1.494	ug/L
|	Ag	107	40.667	0.00	-0.0042	0.000	7.974	ug/L
|	Cd	114	11.901	0.00	0.0032	0.011	348.541	ug/L
|>	In	115	302995.267	302995.27				ug/L
|	Sn	118	196.002	0.00	-0.0310	0.002	6.342	ug/L
⌊	Sb	123	672.062	0.00	0.1841	0.008	4.289	ug/L
⌈	Ba	135	24810.658	0.06	15.2685	0.121	0.790	ug/L
|	Ce	140	1170.186	0.00				ug/L
⌊>	Tb	159	435296.027	435296.03				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	1296.097	0.00	0.1494	0.009	5.794	ug/L
|	Tl	205	3194.163	0.01	0.1475	0.002	1.170	ug/L
|	Pb	206	680.030	0.00	-0.0007	0.003	358.340	ug/L
|	Pb	207	600.024	0.00	0.0017	0.002	120.219	ug/L
|	Pb	208	2804.852	0.00	0.0027	0.004	153.097	ug/L
|	U	238	10975.463	0.03	0.2208	0.004	1.830	ug/L
⌊>	Bi	209	423991.220	423991.22				ug/L

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Na	23	17371476.607	105.96	3.6872	0.300	8.144	mg/L	
Mg	24	5855652.253	35.68	1.8572	0.071	3.824	mg/L	
K	39	4361388.399	24.61	0.6179	0.014	2.255	mg/L	
Ca	43	151957.729	0.93	9.4153	0.467	4.958	mg/L	
Fe	54	85543.419	0.26	0.0816	0.008	9.838	mg/L	
Fe	57	21889.481	0.10	0.0676	0.010	15.046	mg/L	
> Sc-1	45	164376.776	164376.78				mg/L	
Cl	35	97335.556	84741.63				mg/L	
Kr	83	57.001	-12.00				mg/L	
Br	81	15887.950	7305.60				mg/L	
P	31	15000.741	5192.59				mg/L	
S	34	323267.434	191188.84				mg/L	
Sr	88	1130581.778	1130511.77				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.816			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.597			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.771			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		94.383			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901DUP WG360892-09
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Method 6020 - Summary Report

Sample ID: L1104014901PS WG360944-01

Sample Date/Time: Wednesday, April 06, 2011 20:26:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 60
Method File: C:\elandata\Method\6020a.mth
Sample Description: 2

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24045.621	0.02				ug/L
|	Be	9	15807.152	0.10	54.2758	4.434	8.169	ug/L
|	Al	27	511025.239	3.32	100.9861	17.719	17.546	ug/L
⌊>	Sc	45	154811.617	154811.62				ug/L
⌈	Ti	49	750.104	0.00	1.3247	0.328	24.756	ug/L
|	V	51	427691.390	1.45	48.5293	0.563	1.159	ug/L
|	Cr	52	384319.078	1.28	50.6628	0.402	0.794	ug/L
|	Cr	53	44382.705	0.15	51.5568	0.875	1.696	ug/L
|	Mn	55	718527.498	2.45	61.9752	0.495	0.799	ug/L
|	Co	59	453006.124	1.55	50.4659	0.346	0.687	ug/L
|	Ni	60	98134.150	0.34	53.1402	0.445	0.837	ug/L
|	Cu	65	94811.959	0.32	50.6147	0.449	0.887	ug/L
|	Zn	66	54651.160	0.18	47.4675	0.888	1.871	ug/L
|>	Ge	72	292596.860	292596.86				ug/L
|	As	75	49267.686	0.17	48.7268	0.840	1.724	ug/L
|	Se	77	3828.066	0.01	45.4457	0.839	1.847	ug/L
|	Se	82	4652.635	0.02	44.6156	1.398	3.133	ug/L
⌊	Rb	85	5325.471	0.02				mg/L
	Y	89	220015.948	-32111.30				ug/L
	Rh	103	69.668	57.67				ug/L
⌈	Mo	98	8949.528	0.03	3.0499	0.040	1.312	ug/L
|	Ag	107	298083.034	0.98	49.3713	0.992	2.010	ug/L
|	Cd	114	57213.295	0.19	47.3257	1.399	2.955	ug/L
|>	In	115	302902.672	302902.67				ug/L
|	Sn	118	267.337	0.00	-0.0145	0.003	23.984	ug/L
⌊	Sb	123	177250.628	0.59	48.8520	0.143	0.293	ug/L
⌈	Ba	135	102695.380	0.23	61.7516	0.754	1.221	ug/L
|	Ce	140	1226.865	0.00				ug/L
⌊>	Tb	159	445757.186	445757.19				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	441147.999	1.01	49.0893	0.439	0.894	ug/L
|	Tl	205	1085499.567	2.50	48.6580	0.778	1.599	ug/L
|	Pb	206	375987.212	0.86	50.9805	0.796	1.561	ug/L
|	Pb	207	332399.742	0.76	47.7965	0.713	1.493	ug/L
|	Pb	208	1522992.157	3.50	49.2359	0.664	1.348	ug/L
|	U	238	2603328.852	5.98	50.1909	0.951	1.895	ug/L
⌊>	Bi	209	435089.312	435089.31				ug/L

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Na	23	17754361.257	115.15	4.0078	0.332	8.280	mg/L	
Mg	24	6069191.733	39.49	2.0561	0.259	12.621	mg/L	
K	39	4566213.472	27.69	0.6957	0.063	9.039	mg/L	
Ca	43	165187.014	1.07	10.8946	0.863	7.925	mg/L	
Fe	54	92103.054	0.34	0.1056	0.018	16.752	mg/L	
Fe	57	27813.981	0.14	0.1012	0.037	36.164	mg/L	
> Sc-1	45	154811.617	154811.62				mg/L	
Cl	35	101485.725	88891.80				mg/L	
Kr	83	60.001	-9.00				mg/L	
Br	81	15449.272	6866.92				mg/L	
P	31	15044.658	5236.51				mg/L	
S	34	335433.407	203354.81				mg/L	
Sr	88	1181147.441	1181077.43				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		91.594			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.570			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.977			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.853			

Sample ID: L1104014901PS WG360944-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901PS WG360944-01
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Method 6020 - Summary Report

Sample ID: L1104014901SDL WG360944-02

Sample Date/Time: Wednesday, April 06, 2011 20:33:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 61
Method File: C:\elandata\Method\6020a.mth
Sample Description: 10

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22826.055	0.01				ug/L
|	Be	9	18.000	-0.00	0.0255	0.017	66.516	ug/L
|	Al	27	41608.618	0.25	7.6615	3.043	39.718	ug/L
⌊>	Sc	45	158786.825	158786.82				ug/L
⌈	Ti	49	180.020	0.00	0.2947	0.091	31.037	ug/L
|	V	51	3816.885	0.00	0.1533	0.003	1.887	ug/L
|	Cr	52	9990.423	0.01	0.2348	0.018	7.608	ug/L
|	Cr	53	390.047	0.00	0.2239	0.102	45.700	ug/L
|	Mn	55	26004.695	0.09	2.1796	0.018	0.812	ug/L
|	Co	59	362.677	0.00	0.0383	0.002	6.120	ug/L
|	Ni	60	468.682	0.00	0.2215	0.007	3.335	ug/L
|	Cu	65	323.342	0.00	0.0400	0.009	23.378	ug/L
|	Zn	66	3475.972	0.01	1.4747	0.063	4.262	ug/L
|>	Ge	72	295309.767	295309.77				ug/L
|	As	75	213.824	0.00	0.3862	0.037	9.683	ug/L
|	Se	77	77.334	0.00	0.0843	0.085	100.385	ug/L
|	Se	82	10.267	0.00	0.0496	0.019	38.409	ug/L
⌊	Rb	85	1140.410	0.00				mg/L
	Y	89	227443.527	-24683.72				ug/L
	Rh	103	20.000	8.00				ug/L
⌈	Mo	98	1852.875	0.01	0.5943	0.012	1.979	ug/L
|	Ag	107	40.334	0.00	-0.0043	0.001	33.365	ug/L
|	Cd	114	5.843	0.00	-0.0020	0.002	92.391	ug/L
|>	In	115	308196.044	308196.04				ug/L
|	Sn	118	129.601	0.00	-0.0469	0.003	5.512	ug/L
⌊	Sb	123	492.880	0.00	0.1324	0.007	5.457	ug/L
⌈	Ba	135	5240.425	0.01	3.1644	0.079	2.511	ug/L
|	Ce	140	276.698	0.00				ug/L
⌊>	Tb	159	442500.148	442500.15				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	304.341	0.00	0.0353	0.001	1.490	ug/L
|	Tl	205	786.776	0.00	0.0359	0.003	8.900	ug/L
|	Pb	206	453.348	0.00	-0.0339	0.003	9.338	ug/L
|	Pb	207	394.345	0.00	-0.0302	0.002	8.194	ug/L
|	Pb	208	1850.420	0.00	-0.0305	0.001	3.910	ug/L
|	U	238	2331.295	0.01	0.0487	0.001	1.271	ug/L
⌊>	Bi	209	434806.750	434806.75				ug/L

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Na	23	3540985.053	22.28	0.7688	0.059	7.656	mg/L	
Mg	24	1364284.743	8.62	0.4456	0.037	8.408	mg/L	
K	39	1292866.745	6.22	0.1530	0.016	10.456	mg/L	
Ca	43	32108.044	0.20	2.0477	0.169	8.267	mg/L	
Fe	54	49989.078	0.06	0.0173	0.005	29.236	mg/L	
Fe	57	9405.373	0.02	0.0122	0.001	4.240	mg/L	
> Sc-1	45	158786.825	158786.82				mg/L	
Cl	35	30043.736	17449.81				mg/L	
Kr	83	46.001	-23.00				mg/L	
Br	81	9513.190	930.84				mg/L	
P	31	9784.805	-23.34				mg/L	
S	34	179300.519	47221.92				mg/L	
Sr	88	236128.921	236058.91				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		92.443			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.118			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.290			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		96.790			

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Erin D. Long

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104014901SDL WG360944-02
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 20:40:46
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22291.487	0.00				ug/L
|	Be	9	17308.304	0.10	54.9976	2.458	4.469	ug/L
|	Al	27	286651.817	1.71	51.9519	2.734	5.263	ug/L
⌊>	Sc	45	166661.749	166661.75				ug/L
⌈	Ti	49	55127.182	0.18	96.2073	4.127	4.290	ug/L
|	V	51	443829.753	1.46	48.8986	0.552	1.128	ug/L
|	Cr	52	388646.463	1.26	49.7287	0.206	0.415	ug/L
|	Cr	53	45943.237	0.15	51.8163	0.932	1.798	ug/L
|	Mn	55	597556.216	1.98	50.0404	0.279	0.557	ug/L
|	Co	59	473689.828	1.57	51.2417	0.543	1.060	ug/L
|	Ni	60	98603.165	0.33	51.8394	0.741	1.430	ug/L
|	Cu	65	97026.100	0.32	50.2909	0.655	1.303	ug/L
|	Zn	66	60407.843	0.20	51.0596	0.274	0.538	ug/L
| >	Ge	72	301338.535	301338.54				ug/L
|	As	75	53170.191	0.18	51.0477	0.224	0.439	ug/L
|	Se	77	4560.374	0.01	52.6896	1.893	3.593	ug/L
|	Se	82	5554.855	0.02	51.7173	0.328	0.634	ug/L
⌊	Rb	85	2222.936	0.01				mg/L
	Y	89	231171.213	-20956.03				ug/L
	Rh	103	33.000	21.00				ug/L
⌈	Mo	98	320237.858	1.01	105.3979	1.422	1.349	ug/L
|	Ag	107	318924.289	1.01	50.4839	0.124	0.246	ug/L
|	Cd	114	63724.723	0.20	50.3786	0.787	1.562	ug/L
| >	In	115	316901.277	316901.28				ug/L
|	Sn	118	227814.330	0.72	50.4418	0.398	0.790	ug/L
⌊	Sb	123	192272.020	0.61	50.6508	0.481	0.949	ug/L
⌈	Ba	135	83876.471	0.18	49.5172	0.318	0.643	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	454004.819	454004.82				ug/L
⌈	Ho	165	20.002	-0.00				ug/L
|	Tl	203	454873.973	1.03	50.0628	0.308	0.615	ug/L
|	Tl	205	1113610.854	2.53	49.3686	0.845	1.712	ug/L
|	Pb	206	369289.745	0.84	49.5231	0.745	1.504	ug/L
|	Pb	207	350559.744	0.80	49.8590	0.874	1.753	ug/L
|	Pb	208	1553209.618	3.53	49.6646	0.346	0.696	ug/L
|	U	238	2664809.870	6.06	50.8119	1.198	2.359	ug/L
⌊>	Bi	209	439851.163	439851.16				ug/L

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Na	23	23386594.471	140.30	4.8850	0.113	2.318	mg/L	
Mg	24	16089370.081	96.58	5.0343	0.216	4.291	mg/L	
K	39	33448061.366	198.96	5.0258	0.248	4.928	mg/L	
Ca	43	81848.845	0.49	4.9862	0.250	5.009	mg/L	
Fe	54	2834169.005	16.76	5.2369	0.165	3.151	mg/L	
Fe	57	1190640.778	7.12	5.2933	0.339	6.397	mg/L	
> Sc-1	45	166661.749	166661.75				mg/L	
Cl	35	13941.045	1347.12				mg/L	
Kr	83	50.334	-18.67				mg/L	
Br	81	8071.256	-511.09				mg/L	
P	31	8843.251	-964.90				mg/L	
S	34	155690.416	23611.82				mg/L	
Sr	88	2207.133	2137.13				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	97.797				
Cr	52	99.457				
Cr	53					
Mn	55	100.081				
Co	59	102.483				
Ni	60	103.679				
Cu	65	100.582				
Zn	66	102.119				
> Ge	72		94.330			
As	75	102.095				
Se	77					
Se	82	103.435				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.968				
Cd	114	100.757				
> In	115		92.663			
Sn	118					
Sb	123	101.302				
Ba	135	99.034				
Ce	140					
> Tb	159		95.716			
Ho	165					
Tl	203	100.126				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.329				
U	238	101.624				
> Bi	209		97.913			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 20:42:59

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 20:47:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21656.781	-0.01				ug/L
|	Be	9	9.333	-0.00	-0.0063	0.016	259.583	ug/L
|	Al	27	1833.503	-0.00	-0.1013	0.045	44.437	ug/L
⌊>	Sc	45	172831.942	172831.94				ug/L
⌈	Ti	49	63.340	0.00	0.0823	0.026	31.442	ug/L
|	V	51	2760.858	-0.00	0.0207	0.003	15.555	ug/L
|	Cr	52	8688.194	-0.00	0.0119	0.021	172.877	ug/L
|	Cr	53	206.689	0.00	0.0013	0.028	2137.442	ug/L
|	Mn	55	356.343	0.00	-0.0154	0.002	15.927	ug/L
|	Co	59	57.667	0.00	0.0044	0.001	28.208	ug/L
|	Ni	60	36.334	0.00	-0.0114	0.001	5.821	ug/L
|	Cu	65	181.337	-0.00	-0.0394	0.007	17.652	ug/L
|	Zn	66	1344.437	-0.00	-0.4731	0.025	5.294	ug/L
|>	Ge	72	308378.086	308378.09				ug/L
|	As	75	-172.715	0.00	0.0164	0.047	284.376	ug/L
|	Se	77	73.334	-0.00	-0.0009	0.245	27985.813	ug/L
|	Se	82	4.867	0.00	-0.0034	0.069	2060.550	ug/L
⌊	Rb	85	18.667	-0.00				mg/L
	Y	89	243045.641	-9081.60				ug/L
	Rh	103	16.667	4.67				ug/L
⌈	Mo	98	132.093	0.00	0.0094	0.005	58.007	ug/L
|	Ag	107	41.000	0.00	-0.0046	0.000	10.795	ug/L
|	Cd	114	-5.370	-0.00	-0.0109	0.002	20.689	ug/L
|>	In	115	325615.995	325616.00				ug/L
|	Sn	118	289.604	0.00	-0.0140	0.006	42.415	ug/L
⌊	Sb	123	112.407	0.00	0.0277	0.001	4.159	ug/L
⌈	Ba	135	26.667	0.00	0.0049	0.002	49.813	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	455689.814	455689.81				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	42.001	0.00	0.0061	0.000	6.247	ug/L
|	Tl	205	106.678	0.00	0.0053	0.000	4.679	ug/L
|	Pb	206	364.677	0.00	-0.0468	0.002	4.491	ug/L
|	Pb	207	312.675	-0.00	-0.0427	0.003	7.017	ug/L
|	Pb	208	1479.392	0.00	-0.0434	0.001	2.343	ug/L
|	U	238	151.669	0.00	0.0066	0.000	5.944	ug/L
⌊>	Bi	209	442141.739	442141.74				ug/L

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 20:50:03
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Na	23	15136.295	0.00	-0.0082	0.000	1.149	mg/L
Mg	24	620.082	0.00	-0.0039	0.000	0.779	mg/L
K	39	340417.575	0.03	-0.0036	0.002	45.572	mg/L
Ca	43	190.021	0.00	-0.0061	0.003	48.472	mg/L
Fe	54	39992.950	-0.03	-0.0090	0.001	7.129	mg/L
Fe	57	6119.155	-0.00	-0.0056	0.001	14.202	mg/L
> Sc-1	45	172831.942	172831.94				mg/L
Cl	35	13607.253	1013.33				mg/L
Kr	83	53.667	-15.33				mg/L
Br	81	8211.371	-370.98				mg/L
P	31	9936.957	128.81				mg/L
S	34	157933.032	25854.44				mg/L
Sr	88	76.675	6.67				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		96.534			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.211			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		96.071			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.423			

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 20:50:03

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 20:50:03
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: PBS 60 WG360983-02

Sample Date/Time: Wednesday, April 06, 2011 20:54:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 62
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25231.819	0.02				ug/L
|	Be	9	11.333	-0.00	0.0003	0.017	4888.552	ug/L
|	Al	27	27320.639	0.15	4.4600	0.277	6.222	ug/L
⌊>	Sc	45	170271.430	170271.43				ug/L
⌈	Ti	49	123.346	0.00	0.1839	0.052	28.265	ug/L
|	V	51	2944.949	0.00	0.0393	0.010	25.806	ug/L
|	Cr	52	10309.081	0.00	0.2137	0.005	2.553	ug/L
|	Cr	53	330.039	0.00	0.1366	0.096	70.330	ug/L
|	Mn	55	1669.489	0.00	0.0916	0.002	2.556	ug/L
|	Co	59	81.668	0.00	0.0069	0.001	14.199	ug/L
|	Ni	60	150.003	0.00	0.0467	0.004	9.127	ug/L
|	Cu	65	264.673	0.00	0.0024	0.009	386.385	ug/L
|	Zn	66	3578.009	0.01	1.4177	0.016	1.111	ug/L
|>	Ge	72	309642.668	309642.67				ug/L
|	As	75	-222.124	0.00	-0.0289	0.056	192.837	ug/L
|	Se	77	66.000	-0.00	-0.0885	0.123	139.241	ug/L
|	Se	82	-2.203	0.00	-0.0676	0.091	135.162	ug/L
⌊	Rb	85	62.667	0.00				mg/L
	Y	89	244656.049	-7471.19				ug/L
	Rh	103	13.667	1.67				ug/L
⌈	Mo	98	93.065	0.00	-0.0030	0.004	140.373	ug/L
|	Ag	107	150.669	0.00	0.0124	0.001	7.031	ug/L
|	Cd	114	-3.045	0.00	-0.0091	0.008	85.569	ug/L
|>	In	115	324738.421	324738.42				ug/L
|	Sn	118	277.337	0.00	-0.0165	0.001	3.676	ug/L
⌊	Sb	123	127.741	0.00	0.0317	0.002	5.613	ug/L
⌈	Ba	135	87.001	0.00	0.0400	0.006	16.128	ug/L
|	Ce	140	173.352	0.00				ug/L
⌊>	Tb	159	458370.423	458370.42				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	28.334	0.00	0.0046	0.001	20.410	ug/L
|	Tl	205	63.340	0.00	0.0034	0.001	33.111	ug/L
|	Pb	206	466.682	0.00	-0.0331	0.005	15.424	ug/L
|	Pb	207	402.012	0.00	-0.0300	0.003	8.353	ug/L
|	Pb	208	1829.750	0.00	-0.0322	0.001	2.680	ug/L
|	U	238	83.668	0.00	0.0053	0.000	5.144	ug/L
⌊>	Bi	209	441768.918	441768.92				ug/L

Sample ID: PBS 60 WG360983-02
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⌈	Na	23	52563.099	0.23	-0.0005	0.000	24.521	mg/L
|	Mg	24	13457.080	0.08	0.0000	0.000	627.854	mg/L
|	K	39	345360.495	0.09	-0.0021	0.002	95.246	mg/L
|	Ca	43	420.051	0.00	0.0078	0.002	30.710	mg/L
|	Fe	54	75700.928	0.19	0.0577	0.003	6.023	mg/L
|	Fe	57	7173.290	0.00	-0.0005	0.002	320.824	mg/L
⌊>	Sc-1	45	170271.430	170271.43				mg/L
	Cl	35	23180.837	10586.91				mg/L
	Kr	83	61.667	-7.33				mg/L
	Br	81	10972.023	2389.67				mg/L
	P	31	16564.045	6755.90				mg/L
	S	34	149690.693	17612.10				mg/L
	Sr	88	886.795	816.79				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.930			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.955			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.636			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.340			

Sample ID: PBS 60 WG360983-02
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 60 WG360983-02
Report Date/Time: Wednesday, April 06, 2011 20:57:11
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: LCSS 60WG360983-03

Sample Date/Time: Wednesday, April 06, 2011 21:02:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 63
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22558.776	-0.01				ug/L
|	Be	9	7929.143	0.04	23.2214	1.244	5.355	ug/L
|	Al	27	143472.794	0.78	23.7340	0.884	3.723	ug/L
⌊>	Sc	45	180702.381	180702.38				ug/L
⌈	Ti	49	80.008	0.00	0.1085	0.078	71.664	ug/L
|	V	51	227452.659	0.71	23.8818	0.598	2.505	ug/L
|	Cr	52	211062.574	0.64	25.3609	0.291	1.149	ug/L
|	Cr	53	24098.078	0.08	25.9402	0.510	1.965	ug/L
|	Mn	55	314454.825	1.00	25.2186	0.157	0.622	ug/L
|	Co	59	239863.014	0.76	24.8709	0.139	0.557	ug/L
|	Ni	60	51852.274	0.16	26.1161	0.100	0.384	ug/L
|	Cu	65	50611.945	0.16	25.0782	0.218	0.871	ug/L
|	Zn	66	31216.631	0.09	24.4743	0.273	1.114	ug/L
|>	Ge	72	314378.115	314378.11				ug/L
|	As	75	24514.455	0.08	22.6590	0.286	1.263	ug/L
|	Se	77	1990.198	0.01	21.5515	0.655	3.039	ug/L
|	Se	82	2412.497	0.01	21.5013	0.236	1.097	ug/L
⌊	Rb	85	42.334	0.00				mg/L
	Y	89	248457.437	-3669.81				ug/L
	Rh	103	24.000	12.00				ug/L
⌈	Mo	98	90.649	0.00	-0.0043	0.002	47.820	ug/L
|	Ag	107	144918.966	0.44	21.9679	0.097	0.442	ug/L
|	Cd	114	30537.525	0.09	23.1218	0.301	1.304	ug/L
|>	In	115	330830.674	330830.67				ug/L
|	Sn	118	222.136	0.00	-0.0293	0.002	5.868	ug/L
⌊	Sb	123	92858.495	0.28	23.4324	0.386	1.646	ug/L
⌈	Ba	135	42003.114	0.09	24.1135	0.330	1.368	ug/L
|	Ce	140	83.342	0.00				ug/L
⌊>	Tb	159	466815.001	466815.00				ug/L
⌈	Ho	165	26.669	-0.00				ug/L
|	Tl	203	226740.645	0.50	24.2411	0.133	0.547	ug/L
|	Tl	205	561905.226	1.24	24.1958	0.066	0.271	ug/L
|	Pb	206	193820.955	0.43	25.2004	0.147	0.584	ug/L
|	Pb	207	170148.034	0.38	23.4577	0.221	0.941	ug/L
|	Pb	208	790996.219	1.74	24.5218	0.189	0.769	ug/L
|	U	238	1310519.213	2.89	24.2732	0.100	0.414	ug/L
⌊>	Bi	209	452817.191	452817.19				ug/L

Sample ID: LCSS 60WG360983-03
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⌈	Na	23	48076.794	0.18	-0.0020	0.000	5.892	mg/L
|	Mg	24	7596.987	0.04	-0.0019	0.000	10.067	mg/L
|	K	39	350188.768	-0.00	-0.0044	0.002	36.250	mg/L
|	Ca	43	380.045	0.00	0.0041	0.003	71.964	mg/L
|	Fe	54	77050.692	0.17	0.0521	0.007	14.240	mg/L
|	Fe	57	6786.318	-0.00	-0.0039	0.002	59.027	mg/L
⌊>	Sc-1	45	180702.381	180702.38				mg/L
	Cl	35	22262.086	9668.16				mg/L
	Kr	83	57.334	-11.67				mg/L
	Br	81	9841.511	1259.16				mg/L
	P	31	16896.998	7088.85				mg/L
	S	34	155323.662	23245.07				mg/L
	Sr	88	470.058	400.05				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.412			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.736			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.416			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.800			

Sample ID: LCSS 60WG360983-03
Report Date/Time: Wednesday, April 06, 2011 21:04:18
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 60WG360983-03
Report Date/Time: Wednesday, April 06, 2011 21:04:18
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104005906

Sample Date/Time: Wednesday, April 06, 2011 21:09:13
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 64
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22692.414	0.00				ug/L
|	Be	9	44.667	0.00	0.1027	0.040	38.662	ug/L
|	Al	27	12684529.142	74.35	2261.6963	78.097	3.453	ug/L
⌊>	Sc	45	170576.661	170576.66				ug/L
⌈	Ti	49	100365.940	0.32	169.2360	11.451	6.766	ug/L
|	V	51	86650.537	0.27	8.9982	0.423	4.701	ug/L
|	Cr	52	37602.391	0.09	3.6532	0.249	6.818	ug/L
|	Cr	53	3681.049	0.01	3.8009	0.341	8.982	ug/L
|	Mn	55	897414.211	2.88	72.6304	3.390	4.668	ug/L
|	Co	59	20061.006	0.06	2.0950	0.110	5.249	ug/L
|	Ni	60	5682.340	0.02	2.8580	0.149	5.215	ug/L
|	Cu	65	6697.981	0.02	3.2315	0.205	6.346	ug/L
|	Zn	66	21373.391	0.06	16.3887	0.754	4.600	ug/L
|>	Ge	72	311898.615	311898.61				ug/L
|	As	75	1457.602	0.01	1.5252	0.070	4.611	ug/L
|	Se	77	82.000	0.00	0.0882	0.083	94.088	ug/L
|	Se	82	12.789	0.00	0.0672	0.042	62.482	ug/L
⌊	Rb	85	126514.453	0.41				mg/L
	Y	89	264272.563	12145.32				ug/L
	Rh	103	19.000	7.00				ug/L
⌈	Mo	98	350.032	0.00	0.0805	0.010	12.592	ug/L
|	Ag	107	125.669	0.00	0.0087	0.003	36.859	ug/L
|	Cd	114	36.243	0.00	0.0214	0.005	25.339	ug/L
|>	In	115	321788.641	321788.64				ug/L
|	Sn	118	687.357	0.00	0.0736	0.008	10.757	ug/L
⌊	Sb	123	65.863	0.00	0.0160	0.002	11.730	ug/L
⌈	Ba	135	52723.790	0.12	31.3578	1.963	6.261	ug/L
|	Ce	140	210949.781	0.47				ug/L
⌊>	Tb	159	450681.351	450681.35				ug/L
⌈	Ho	165	1810.345	0.00				ug/L
|	Tl	203	781.705	0.00	0.0879	0.005	5.916	ug/L
|	Tl	205	1947.051	0.00	0.0873	0.001	0.812	ug/L
|	Pb	206	12579.719	0.03	1.6030	0.106	6.584	ug/L
|	Pb	207	10231.675	0.02	1.3779	0.073	5.285	ug/L
|	Pb	208	49402.040	0.11	1.4999	0.092	6.115	ug/L
|	U	238	77872.471	0.18	1.4957	0.090	6.001	ug/L
⌊>	Bi	209	437716.957	437716.96				ug/L

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Na	23	185008.932	1.00	0.0266	0.003	11.822	mg/L	
Mg	24	4857351.880	28.47	1.4815	0.082	5.561	mg/L	
K	39	8545713.865	48.14	1.2126	0.073	6.052	mg/L	
Ca	43	14365.107	0.08	0.8398	0.036	4.267	mg/L	
Fe	54	2904020.601	16.76	5.2366	0.170	3.240	mg/L	
Fe	57	1211282.641	7.06	5.2539	0.172	3.277	mg/L	
> Sc-1	45	170576.661	170576.66				mg/L	
Cl	35	13135.289	541.36				mg/L	
Kr	83	62.667	-6.33				mg/L	
Br	81	8409.536	-172.81				mg/L	
P	31	72630.551	62822.40				mg/L	
S	34	129313.149	-2765.45				mg/L	
Sr	88	69457.636	69387.63				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.636			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.092			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.015			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.438			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1104017901

Sample Date/Time: Wednesday, April 06, 2011 21:16:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 65
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25532.583	-0.01				ug/L
|	Be	9	119.334	0.00	0.2571	0.057	22.118	ug/L
|	Al	27	78372415.981	363.47	11056.0078	608.565	5.504	ug/L
⌊>	Sc	45	215345.810	215345.81				ug/L
⌈	Ti	49	44008.488	0.14	76.1954	7.950	10.434	ug/L
|	V	51	300497.123	0.98	32.7704	2.757	8.413	ug/L
|	Cr	52	95436.795	0.29	11.2905	1.020	9.035	ug/L
|	Cr	53	10389.790	0.03	11.4541	0.887	7.745	ug/L
|	Mn	55	1926233.640	6.34	160.2072	13.095	8.174	ug/L
|	Co	59	63362.667	0.21	6.8010	0.620	9.115	ug/L
|	Ni	60	12965.252	0.04	6.7389	0.634	9.410	ug/L
|	Cu	65	15799.372	0.05	8.0178	0.743	9.265	ug/L
|	Zn	66	35636.094	0.11	29.2235	2.639	9.030	ug/L
| >	Ge	72	303511.042	303511.04				ug/L
|	As	75	1555.473	0.01	1.6547	0.132	7.964	ug/L
|	Se	77	107.334	0.00	0.4098	0.166	40.435	ug/L
|	Se	82	11.006	0.00	0.0540	0.024	44.416	ug/L
⌊	Rb	85	107982.143	0.36				mg/L
	Y	89	264074.053	11946.81				ug/L
	Rh	103	14.000	2.00				ug/L
⌈	Mo	98	381.659	0.00	0.0940	0.006	6.657	ug/L
|	Ag	107	226.338	0.00	0.0253	0.003	12.811	ug/L
|	Cd	114	22.731	0.00	0.0114	0.001	12.023	ug/L
| >	In	115	313717.053	313717.05				ug/L
|	Sn	118	160.135	0.00	-0.0406	0.003	6.987	ug/L
⌊	Sb	123	54.322	0.00	0.0133	0.001	7.640	ug/L
⌈	Ba	135	49858.109	0.11	30.2293	2.718	8.993	ug/L
|	Ce	140	548040.560	1.24				ug/L
⌊>	Tb	159	442052.601	442052.60				ug/L
⌈	Ho	165	3537.649	0.01				ug/L
|	Tl	203	1012.728	0.00	0.1119	0.004	3.987	ug/L
|	Tl	205	2493.896	0.01	0.1102	0.013	11.643	ug/L
|	Pb	206	50723.777	0.11	6.6598	0.641	9.618	ug/L
|	Pb	207	43037.337	0.10	5.9908	0.605	10.103	ug/L
|	Pb	208	203213.013	0.45	6.3621	0.612	9.625	ug/L
|	U	238	30381.347	0.07	0.5779	0.062	10.725	ug/L
⌊>	Bi	209	444007.299	444007.30				ug/L

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Na	23	143603.105	0.58	0.0120	0.001	10.309	mg/L	
Mg	24	1676175.704	7.77	0.4012	0.032	8.039	mg/L	
K	39	3141732.664	12.63	0.3149	0.020	6.506	mg/L	
Ca	43	4494.800	0.02	0.1950	0.017	8.866	mg/L	
Fe	54	11447237.953	52.83	16.5104	0.915	5.540	mg/L	
Fe	57	4763680.315	22.06	16.4161	0.783	4.769	mg/L	
> Sc-1	45	215345.810	215345.81				mg/L	
Cl	35	15268.314	2674.39				mg/L	
Kr	83	76.001	7.00				mg/L	
Br	81	8426.221	-156.13				mg/L	
P	31	71120.130	61311.98				mg/L	
S	34	117371.794	-14706.80				mg/L	
Sr	88	28232.734	28162.73				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.010			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.732			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.196			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.838			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017902

Sample Date/Time: Wednesday, April 06, 2011 21:23:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 66
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23611.177	-0.02				ug/L
|	Be	9	148.668	0.00	0.3316	0.043	13.002	ug/L
|	Al	27	60837762.456	284.34	8649.1268	408.762	4.726	ug/L
⌊>	Sc	45	213764.971	213764.97				ug/L
⌈	Ti	49	111774.760	0.37	193.2703	15.511	8.025	ug/L
|	V	51	310146.066	1.01	33.7702	2.519	7.458	ug/L
|	Cr	52	92613.133	0.28	10.9017	0.863	7.913	ug/L
|	Cr	53	10343.098	0.03	11.3829	1.442	12.666	ug/L
|	Mn	55	3251899.985	10.69	270.0156	22.381	8.289	ug/L
|	Co	59	50005.653	0.16	5.3579	0.408	7.608	ug/L
|	Ni	60	12961.550	0.04	6.7260	0.491	7.302	ug/L
|	Cu	65	15755.283	0.05	7.9807	0.704	8.817	ug/L
|	Zn	66	35972.271	0.11	29.4624	2.835	9.624	ug/L
| >	Ge	72	304198.972	304198.97				ug/L
|	As	75	804.118	0.00	0.9399	0.026	2.723	ug/L
|	Se	77	110.001	0.00	0.4374	0.110	25.252	ug/L
|	Se	82	8.383	0.00	0.0295	0.104	352.551	ug/L
⌊	Rb	85	96833.972	0.32				mg/L
	Y	89	296192.190	44064.95				ug/L
	Rh	103	23.667	11.67				ug/L
⌈	Mo	98	312.286	0.00	0.0719	0.007	10.229	ug/L
|	Ag	107	132.002	0.00	0.0104	0.001	10.437	ug/L
|	Cd	114	109.319	0.00	0.0813	0.010	12.531	ug/L
| >	In	115	310888.908	310888.91				ug/L
|	Sn	118	204.535	0.00	-0.0302	0.002	5.458	ug/L
⌊	Sb	123	51.236	0.00	0.0126	0.001	4.999	ug/L
⌈	Ba	135	59800.399	0.13	35.8282	2.404	6.710	ug/L
|	Ce	140	825815.700	1.85				ug/L
⌊>	Tb	159	447314.784	447314.78				ug/L
⌈	Ho	165	6249.259	0.01				ug/L
|	Tl	203	877.714	0.00	0.0974	0.007	7.075	ug/L
|	Tl	205	2220.471	0.00	0.0984	0.010	10.624	ug/L
|	Pb	206	51558.913	0.12	6.7866	0.489	7.212	ug/L
|	Pb	207	43866.390	0.10	6.1219	0.391	6.390	ug/L
|	Pb	208	208760.664	0.47	6.5533	0.455	6.950	ug/L
|	U	238	31843.177	0.07	0.6068	0.049	8.046	ug/L
⌊>	Bi	209	442654.068	442654.07				ug/L

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Na	23	459067.806	2.06	0.0636	0.002	3.715	mg/L	
Mg	24	2336828.872	10.93	0.5660	0.014	2.502	mg/L	
K	39	5273586.964	22.70	0.5696	0.020	3.599	mg/L	
Ca	43	2827.397	0.01	0.1156	0.049	42.184	mg/L	
Fe	54	10113201.066	47.01	14.6921	0.577	3.929	mg/L	
Fe	57	4291387.498	20.02	14.8997	0.431	2.890	mg/L	
> Sc-1	45	213764.971	213764.97				mg/L	
Cl	35	14702.803	2108.88				mg/L	
Kr	83	71.001	2.00				mg/L	
Br	81	8129.304	-453.05				mg/L	
P	31	99173.908	89365.76				mg/L	
S	34	127742.926	-4335.67				mg/L	
Sr	88	17697.496	17627.49				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.226			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		90.905			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		94.305			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.537			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017903

Sample Date/Time: Wednesday, April 06, 2011 21:30:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 67
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23510.965	-0.02				ug/L
|	Be	9	152.668	0.00	0.3591	0.035	9.776	ug/L
|	Al	27	65034293.977	316.13	9615.9416	105.099	1.093	ug/L
⌊>	Sc	45	205630.366	205630.37				ug/L
⌈	Ti	49	109064.875	0.36	188.7881	16.298	8.633	ug/L
|	V	51	294302.064	0.96	32.0625	2.293	7.153	ug/L
|	Cr	52	92239.824	0.28	10.8651	0.826	7.601	ug/L
|	Cr	53	10059.402	0.03	11.0720	0.547	4.942	ug/L
|	Mn	55	2780669.172	9.15	231.1027	17.428	7.541	ug/L
|	Co	59	44566.809	0.15	4.7798	0.339	7.084	ug/L
|	Ni	60	12698.873	0.04	6.5951	0.459	6.966	ug/L
|	Cu	65	14843.525	0.05	7.5187	0.578	7.681	ug/L
|	Zn	66	30982.070	0.10	25.1762	2.131	8.466	ug/L
| >	Ge	72	303934.807	303934.81				ug/L
|	As	75	856.289	0.00	0.9901	0.056	5.680	ug/L
|	Se	77	100.667	0.00	0.3299	0.201	60.886	ug/L
|	Se	82	16.122	0.00	0.1005	0.159	158.620	ug/L
⌊	Rb	85	107160.512	0.35				mg/L
	Y	89	292447.005	40319.76				ug/L
	Rh	103	14.667	2.67				ug/L
⌈	Mo	98	285.847	0.00	0.0622	0.009	14.821	ug/L
|	Ag	107	156.669	0.00	0.0142	0.001	9.600	ug/L
|	Cd	114	5.773	0.00	-0.0021	0.008	393.014	ug/L
| >	In	115	313525.736	313525.74				ug/L
|	Sn	118	335.872	0.00	-0.0012	0.005	460.805	ug/L
⌊	Sb	123	45.905	0.00	0.0111	0.001	10.088	ug/L
⌈	Ba	135	55581.719	0.13	33.6611	2.418	7.184	ug/L
|	Ce	140	716525.720	1.62				ug/L
⌊>	Tb	159	442611.702	442611.70				ug/L
⌈	Ho	165	5068.464	0.01				ug/L
|	Tl	203	827.709	0.00	0.0934	0.005	4.999	ug/L
|	Tl	205	2043.747	0.00	0.0921	0.005	5.014	ug/L
|	Pb	206	48601.793	0.11	6.4983	0.544	8.370	ug/L
|	Pb	207	41235.934	0.09	5.8462	0.503	8.599	ug/L
|	Pb	208	193865.652	0.44	6.1808	0.483	7.814	ug/L
|	U	238	30305.991	0.07	0.5872	0.046	7.917	ug/L
⌊>	Bi	209	435690.460	435690.46				ug/L

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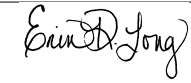

⌈	Na	23	63921.923	0.23	-0.0004	0.001	162.285	mg/L
|	Mg	24	1844859.046	8.98	0.4646	0.017	3.766	mg/L
|	K	39	4436843.848	19.61	0.4916	0.014	2.912	mg/L
|	Ca	43	1827.030	0.01	0.0722	0.026	36.462	mg/L
|	Fe	54	9823140.396	47.50	14.8439	0.386	2.599	mg/L
|	Fe	57	4217008.391	20.46	15.2299	0.672	4.410	mg/L
⌊>	Sc-1	45	205630.366	205630.37				mg/L
	Cl	35	60727.963	48134.04				mg/L
	Kr	83	62.667	-6.33				mg/L
	Br	81	8013.213	-569.14				mg/L
	P	31	59998.537	50190.39				mg/L
	S	34	115147.838	-16930.76				mg/L
	Sr	88	23199.251	23129.24				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		95.143			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.676			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.314			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.987			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1104017904

Sample Date/Time: Wednesday, April 06, 2011 21:37:48
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 68
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21439.633	-0.03				ug/L
|	Be	9	94.000	0.00	0.2015	0.030	14.920	ug/L
|	Al	27	41670682.060	198.72	6044.7692	448.172	7.414	ug/L
⌊>	Sc	45	209491.618	209491.62				ug/L
⌈	Ti	49	78165.635	0.25	131.3832	5.362	4.081	ug/L
|	V	51	274996.444	0.87	29.0742	1.983	6.821	ug/L
|	Cr	52	66755.109	0.18	7.3100	0.460	6.286	ug/L
|	Cr	53	6896.401	0.02	7.2946	0.171	2.342	ug/L
|	Mn	55	3143662.237	10.05	253.7475	13.915	5.484	ug/L
|	Co	59	31394.391	0.10	3.2696	0.274	8.365	ug/L
|	Ni	60	7738.744	0.02	3.8909	0.237	6.090	ug/L
|	Cu	65	11525.761	0.04	5.6374	0.275	4.872	ug/L
|	Zn	66	20652.216	0.06	15.7273	1.002	6.374	ug/L
| >	Ge	72	312955.465	312955.47				ug/L
|	As	75	881.135	0.00	0.9889	0.072	7.243	ug/L
|	Se	77	98.667	0.00	0.2738	0.052	19.144	ug/L
|	Se	82	7.722	0.00	0.0205	0.101	493.482	ug/L
⌊	Rb	85	64252.238	0.21				mg/L
	Y	89	279887.446	27760.20				ug/L
	Rh	103	19.000	7.00				ug/L
⌈	Mo	98	268.997	0.00	0.0538	0.006	10.416	ug/L
|	Ag	107	117.002	0.00	0.0072	0.001	7.276	ug/L
|	Cd	114	-2.951	0.00	-0.0091	0.007	75.178	ug/L
| >	In	115	323536.462	323536.46				ug/L
|	Sn	118	212.669	0.00	-0.0303	0.004	12.386	ug/L
⌊	Sb	123	55.572	0.00	0.0132	0.001	6.757	ug/L
⌈	Ba	135	41763.245	0.09	24.9648	1.507	6.036	ug/L
|	Ce	140	595620.940	1.33				ug/L
⌊>	Tb	159	448488.145	448488.15				ug/L
⌈	Ho	165	3347.563	0.01				ug/L
|	Tl	203	549.687	0.00	0.0621	0.005	7.770	ug/L
|	Tl	205	1330.222	0.00	0.0597	0.005	8.287	ug/L
|	Pb	206	30360.442	0.07	3.9948	0.219	5.473	ug/L
|	Pb	207	26274.791	0.06	3.6671	0.157	4.270	ug/L
|	Pb	208	122676.775	0.28	3.8506	0.145	3.775	ug/L
|	U	238	27417.924	0.06	0.5279	0.031	5.887	ug/L
⌊>	Bi	209	438491.640	438491.64				ug/L

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⌈	Na	23	50944.848	0.16	-0.0028	0.000	6.528	mg/L
|	Mg	24	1237517.740	5.90	0.3038	0.014	4.647	mg/L
|	K	39	3023560.599	12.49	0.3114	0.002	0.796	mg/L
|	Ca	43	1403.572	0.01	0.0510	0.002	4.740	mg/L
|	Fe	54	9108853.040	43.23	13.5107	0.144	1.067	mg/L
|	Fe	57	3905467.297	18.60	13.8425	0.400	2.890	mg/L
⌊>	Sc-1	45	209491.618	209491.62				mg/L
	Cl	35	13004.450	410.53				mg/L
	Kr	83	70.334	1.33				mg/L
	Br	81	8125.300	-457.05				mg/L
	P	31	57588.651	47780.50				mg/L
	S	34	126811.181	-5267.42				mg/L
	Sr	88	12028.450	11958.44				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.967			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.603			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		94.552			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.611			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017904PS WG360998-01

Sample Date/Time: Wednesday, April 06, 2011 21:44:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 69
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22341.623	-0.02				ug/L
|	Be	9	18900.521	0.09	49.9158	0.702	1.407	ug/L
|	Al	27	41790127.928	208.56	6343.9992	195.910	3.088	ug/L
⌊>	Sc	45	200303.156	200303.16				ug/L
⌈	Ti	49	78958.955	0.26	134.5704	8.148	6.055	ug/L
|	V	51	757980.841	2.45	81.7266	2.522	3.085	ug/L
|	Cr	52	492285.814	1.57	61.7629	1.254	2.031	ug/L
|	Cr	53	57255.867	0.19	63.0971	1.281	2.030	ug/L
|	Mn	55	3809149.522	12.34	311.6811	5.676	1.821	ug/L
|	Co	59	555142.348	1.80	58.6397	1.602	2.731	ug/L
|	Ni	60	121148.086	0.39	62.2015	1.483	2.384	ug/L
|	Cu	65	121429.557	0.39	61.4857	1.650	2.684	ug/L
|	Zn	66	88862.952	0.28	74.0527	3.103	4.190	ug/L
|>	Ge	72	308640.128	308640.13				ug/L
|	As	75	63109.347	0.21	59.1329	1.313	2.220	ug/L
|	Se	77	5508.184	0.02	62.3015	2.430	3.900	ug/L
|	Se	82	6833.176	0.02	62.1271	1.781	2.867	ug/L
⌊	Rb	85	64717.469	0.21				mg/L
	Y	89	277659.398	25532.15				ug/L
	Rh	103	50.001	38.00				ug/L
⌈	Mo	98	274.563	0.00	0.0575	0.001	2.505	ug/L
|	Ag	107	387800.352	1.23	61.4922	4.500	7.318	ug/L
|	Cd	114	74226.887	0.23	58.7513	1.402	2.387	ug/L
|>	In	115	316594.286	316594.29				ug/L
|	Sn	118	274.137	0.00	-0.0156	0.003	19.917	ug/L
⌊	Sb	123	216821.130	0.68	57.1910	1.708	2.987	ug/L
⌈	Ba	135	132132.228	0.30	80.1694	2.468	3.078	ug/L
|	Ce	140	590279.684	1.34				ug/L
⌊>	Tb	159	441830.823	441830.82				ug/L
⌈	Ho	165	3207.503	0.01				ug/L
|	Tl	203	488531.232	1.13	54.7272	1.916	3.501	ug/L
|	Tl	205	1198154.154	2.77	54.0574	1.303	2.410	ug/L
|	Pb	206	445100.149	1.03	60.7741	2.410	3.965	ug/L
|	Pb	207	391379.042	0.91	56.6701	2.638	4.655	ug/L
|	Pb	208	1815955.308	4.20	59.1197	2.271	3.842	ug/L
|	U	238	2845666.784	6.58	55.2224	2.333	4.225	ug/L
⌊>	Bi	209	432235.900	432235.90				ug/L

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⌈	Na	23	53682.418	0.18	-0.0019	0.000	9.381	mg/L
|	Mg	24	1216671.357	6.07	0.3128	0.006	1.878	mg/L
|	K	39	3037978.372	13.22	0.3300	0.008	2.309	mg/L
|	Ca	43	1296.881	0.01	0.0486	0.003	6.906	mg/L
|	Fe	54	9072641.784	45.03	14.0716	0.468	3.325	mg/L
|	Fe	57	3850432.561	19.19	14.2778	0.101	0.704	mg/L
⌊>	Sc-1	45	200303.156	200303.16				mg/L
	Cl	35	12452.416	-141.51				mg/L
	Kr	83	70.001	1.00				mg/L
	Br	81	7772.354	-809.99				mg/L
	P	31	57088.529	47280.38				mg/L
	S	34	119955.453	-12123.14				mg/L
	Sr	88	12485.711	12415.70				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.616			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.573			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.149			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.218			

Sample ID: L1104017904PS WG360998-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104017904SDL WG360998-02

Sample Date/Time: Wednesday, April 06, 2011 21:52:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 70
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21389.667	-0.01				ug/L
|	Be	9	34.000	0.00	0.0671	0.017	24.802	ug/L
|	Al	27	6942293.427	39.51	1201.9339	69.037	5.744	ug/L
⌊>	Sc	45	175765.462	175765.46				ug/L
⌈	Ti	49	12435.639	0.04	20.4260	0.147	0.721	ug/L
|	V	51	47044.050	0.14	4.6344	0.130	2.808	ug/L
|	Cr	52	17311.147	0.03	1.0348	0.024	2.306	ug/L
|	Cr	53	1366.897	0.00	1.2315	0.074	5.985	ug/L
|	Mn	55	502414.370	1.57	39.6428	0.988	2.493	ug/L
|	Co	59	5224.083	0.02	0.5308	0.007	1.395	ug/L
|	Ni	60	1321.434	0.00	0.6249	0.002	0.259	ug/L
|	Cu	65	2054.898	0.01	0.8750	0.034	3.888	ug/L
|	Zn	66	6626.928	0.02	3.8271	0.075	1.966	ug/L
|>	Ge	72	319814.177	319814.18				ug/L
|	As	75	2.713	0.00	0.1798	0.038	20.959	ug/L
|	Se	77	77.334	-0.00	0.0140	0.133	951.763	ug/L
|	Se	82	9.078	0.00	0.0309	0.092	296.607	ug/L
⌊	Rb	85	11024.852	0.03				mg/L
	Y	89	252766.999	639.76				ug/L
	Rh	103	16.000	4.00				ug/L
⌈	Mo	98	87.873	0.00	-0.0056	0.001	19.518	ug/L
|	Ag	107	54.001	0.00	-0.0028	0.001	51.625	ug/L
|	Cd	114	-1.447	0.00	-0.0078	0.004	47.458	ug/L
|>	In	115	334804.648	334804.65				ug/L
|	Sn	118	109.867	-0.00	-0.0534	0.002	2.987	ug/L
⌊	Sb	123	377.666	0.00	0.0931	0.004	4.210	ug/L
⌈	Ba	135	6898.448	0.02	4.0569	0.069	1.713	ug/L
|	Ce	140	99681.138	0.22				ug/L
⌊>	Tb	159	454711.419	454711.42				ug/L
⌈	Ho	165	553.404	0.00				ug/L
|	Tl	203	120.002	0.00	0.0146	0.001	6.907	ug/L
|	Tl	205	310.036	0.00	0.0142	0.002	10.613	ug/L
|	Pb	206	5234.423	0.01	0.6019	0.024	4.028	ug/L
|	Pb	207	4323.645	0.01	0.5238	0.019	3.635	ug/L
|	Pb	208	20693.709	0.04	0.5668	0.012	2.030	ug/L
|	U	238	4483.384	0.01	0.0885	0.003	3.439	ug/L
⌊>	Bi	209	443654.837	443654.84				ug/L

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⌈	Na	23	19951.881	0.03	-0.0073	0.000	1.220	mg/L
|	Mg	24	202446.725	1.15	0.0560	0.001	1.084	mg/L
|	K	39	831158.265	2.79	0.0662	0.005	7.715	mg/L
|	Ca	43	370.044	0.00	0.0042	0.003	75.076	mg/L
|	Fe	54	1571696.950	8.69	2.7158	0.132	4.870	mg/L
|	Fe	57	634207.041	3.57	2.6564	0.122	4.597	mg/L
⌊>	Sc-1	45	175765.462	175765.46				mg/L
	Cl	35	12276.871	-317.05				mg/L
	Kr	83	67.668	-1.33				mg/L
	Br	81	8577.019	-5.33				mg/L
	P	31	13160.656	3352.51				mg/L
	S	34	129251.496	-2827.10				mg/L
	Sr	88	2167.119	2097.11				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.114			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.898			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.864			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.760			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1104017904SDL WG360998-02
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 21:59:16
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21990.821	-0.00				ug/L
|	Be	9	15712.340	0.09	48.7528	0.625	1.282	ug/L
|	Al	27	270652.359	1.58	47.9175	3.456	7.213	ug/L
|>	Sc	45	170508.690	170508.69				ug/L
⌈	Ti	49	56327.205	0.18	95.7421	2.722	2.843	ug/L
|	V	51	456898.707	1.47	49.0318	0.043	0.088	ug/L
|	Cr	52	397004.429	1.25	49.4729	0.404	0.818	ug/L
|	Cr	53	45913.255	0.15	50.4235	2.366	4.692	ug/L
|	Mn	55	607840.880	1.96	49.5773	0.335	0.676	ug/L
|	Co	59	477517.476	1.54	50.3123	0.496	0.986	ug/L
|	Ni	60	98984.224	0.32	50.6860	0.596	1.176	ug/L
|	Cu	65	98225.766	0.32	49.5855	0.589	1.187	ug/L
|	Zn	66	60596.993	0.19	49.8500	0.367	0.737	ug/L
|>	Ge	72	309382.084	309382.08				ug/L
|	As	75	54938.490	0.18	51.3718	0.701	1.364	ug/L
|	Se	77	4786.479	0.02	53.8890	0.568	1.053	ug/L
|	Se	82	5860.943	0.02	53.1515	0.658	1.237	ug/L
⌊	Rb	85	2348.966	0.01				mg/L
	Y	89	249502.764	-2624.48				ug/L
	Rh	103	31.000	19.00				ug/L
⌈	Mo	98	337295.609	1.01	105.3889	0.266	0.253	ug/L
|	Ag	107	335532.576	1.01	50.4227	0.378	0.750	ug/L
|	Cd	114	67655.380	0.20	50.7794	1.876	3.695	ug/L
|>	In	115	333814.799	333814.80				ug/L
|	Sn	118	240188.946	0.72	50.4881	0.561	1.111	ug/L
⌊	Sb	123	204533.317	0.61	51.1524	0.333	0.652	ug/L
⌈	Ba	135	85753.974	0.19	50.6183	0.232	0.459	ug/L
|	Ce	140	56.673	0.00				ug/L
|>	Tb	159	454063.289	454063.29				ug/L
⌈	Ho	165	23.336	-0.00				ug/L
|	Tl	203	435247.019	1.02	49.5226	0.276	0.557	ug/L
|	Tl	205	1070955.194	2.52	49.0823	0.647	1.319	ug/L
|	Pb	206	358764.697	0.84	49.7389	0.675	1.357	ug/L
|	Pb	207	337511.023	0.79	49.6282	1.124	2.265	ug/L
|	Pb	208	1496029.974	3.51	49.4561	0.738	1.493	ug/L
|	U	238	2519753.568	5.92	49.6675	0.285	0.573	ug/L
|>	Bi	209	425461.869	425461.87				ug/L

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Erin D. Long

Na	23	22491920.670	131.93	4.5931	0.234	5.093	mg/L	
Mg	24	15000499.211	88.01	4.5872	0.099	2.160	mg/L	
K	39	32956246.992	191.27	4.8314	0.098	2.023	mg/L	
Ca	43	83105.909	0.49	4.9457	0.171	3.461	mg/L	
Fe	54	2938840.924	16.98	5.3057	0.099	1.866	mg/L	
Fe	57	1211832.938	7.07	5.2616	0.194	3.696	mg/L	
> Sc-1	45	170508.690	170508.69				mg/L	
Cl	35	13495.102	901.18				mg/L	
Kr	83	61.667	-7.33				mg/L	
Br	81	8817.226	234.88				mg/L	
P	31	7984.527	-1823.62				mg/L	
S	34	151007.096	18928.50				mg/L	
Sr	88	2367.184	2297.18				mg/L	

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
	Li	6					
	Be	9					
	Al	27					
>	Sc	45					
	Ti	49					
	V	51	98.064				
	Cr	52	98.946				
	Cr	53					
	Mn	55	99.155				
	Co	59	100.625				
	Ni	60	101.372				
	Cu	65	99.171				
	Zn	66	99.700				
>	Ge	72		96.848			
	As	75	102.744				
	Se	77					
	Se	82	106.303				
	Rb	85					
	Y	89					
	Rh	103					
	Mo	98					
	Ag	107	100.845				
	Cd	114	101.559				
>	In	115		97.609			
	Sn	118					
	Sb	123	102.305				
	Ba	135	101.237				
	Ce	140					
>	Tb	159		95.728			
	Ho	165					
	Tl	203	99.045				
	Tl	205					
	Pb	206					
	Pb	207					
	Pb	208	98.912				
	U	238	99.335				
>	Bi	209		94.710			

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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 22:06:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20136.963	-0.02				ug/L
|	Be	9	14.000	-0.00	0.0067	0.025	374.525	ug/L
|	Al	27	2050.214	-0.00	-0.0637	0.070	110.306	ug/L
⌊>	Sc	45	173409.564	173409.56				ug/L
⌈	Ti	49	46.671	-0.00	0.0496	0.040	80.716	ug/L
|	V	51	2952.864	0.00	0.0248	0.006	22.875	ug/L
|	Cr	52	9396.507	0.00	0.0397	0.012	30.216	ug/L
|	Cr	53	260.029	0.00	0.0450	0.033	73.136	ug/L
|	Mn	55	416.680	0.00	-0.0122	0.001	4.375	ug/L
|	Co	59	79.668	0.00	0.0063	0.002	26.000	ug/L
|	Ni	60	43.667	0.00	-0.0088	0.000	2.173	ug/L
|	Cu	65	187.004	-0.00	-0.0415	0.006	13.317	ug/L
|	Zn	66	1328.102	-0.00	-0.5461	0.051	9.339	ug/L
|>	Ge	72	325397.823	325397.82				ug/L
|	As	75	-175.443	0.00	0.0222	0.020	90.847	ug/L
|	Se	77	86.000	0.00	0.0934	0.094	101.064	ug/L
|	Se	82	9.113	0.00	0.0307	0.049	160.332	ug/L
⌊	Rb	85	33.000	0.00				mg/L
	Y	89	255833.450	3706.21				ug/L
	Rh	103	12.000	0.00				ug/L
⌈	Mo	98	174.985	0.00	0.0195	0.006	31.207	ug/L
|	Ag	107	46.001	0.00	-0.0043	0.001	17.683	ug/L
|	Cd	114	-0.764	0.00	-0.0073	0.003	46.439	ug/L
|>	In	115	348976.779	348976.78				ug/L
|	Sn	118	285.337	0.00	-0.0190	0.002	8.341	ug/L
⌊	Sb	123	194.029	0.00	0.0453	0.002	5.092	ug/L
⌈	Ba	135	42.667	0.00	0.0137	0.016	115.274	ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	466688.897	466688.90				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	47.667	0.00	0.0067	0.001	11.861	ug/L
|	Tl	205	90.009	0.00	0.0046	0.000	9.706	ug/L
|	Pb	206	372.011	0.00	-0.0454	0.003	5.810	ug/L
|	Pb	207	338.009	0.00	-0.0387	0.003	7.686	ug/L
|	Pb	208	1507.726	0.00	-0.0421	0.001	3.552	ug/L
|	U	238	156.336	0.00	0.0067	0.000	7.277	ug/L
⌊>	Bi	209	438283.158	438283.16				ug/L

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Na	23	15964.338	0.01	-0.0080	0.000	0.735	mg/L	
Mg	24	846.787	0.00	-0.0038	0.000	0.375	mg/L	
K	39	349312.919	0.07	-0.0024	0.001	50.689	mg/L	
Ca	43	216.691	0.00	-0.0045	0.001	32.367	mg/L	
Fe	54	42557.332	-0.01	-0.0044	0.007	168.735	mg/L	
Fe	57	7490.238	0.01	0.0004	0.005	1266.729	mg/L	
> Sc-1	45	173409.564	173409.56				mg/L	
Cl	35	12907.662	313.74				mg/L	
Kr	83	63.668	-5.33				mg/L	
Br	81	9170.205	587.86				mg/L	
P	31	9750.775	-57.37				mg/L	
S	34	141441.603	9363.01				mg/L	
Sr	88	76.675	6.67				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		101.862			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		102.042			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.390			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		97.564			

Sample ID: QC Std 7
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 22:08:33
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Method 6020 - Summary Report

Sample ID: L1104018001 WG360983-01

Sample Date/Time: Wednesday, April 06, 2011 22:13:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 71
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.869	-0.04				ug/L
|	Be	9	107.334	0.00	0.2244	0.036	16.168	ug/L
|	Al	27	40603632.299	184.88	5623.5490	74.900	1.332	ug/L
⌊>	Sc	45	219603.749	219603.75				ug/L
⌈	Ti	49	72167.827	0.23	121.6898	10.525	8.649	ug/L
|	V	51	236474.921	0.75	25.0393	1.654	6.605	ug/L
|	Cr	52	58532.451	0.16	6.2979	0.473	7.509	ug/L
|	Cr	53	6235.905	0.02	6.5976	0.433	6.556	ug/L
|	Mn	55	5977477.765	19.17	484.0585	35.600	7.354	ug/L
|	Co	59	89126.250	0.29	9.3144	0.612	6.573	ug/L
|	Ni	60	7631.998	0.02	3.8494	0.299	7.759	ug/L
|	Cu	65	11791.427	0.04	5.7896	0.492	8.494	ug/L
|	Zn	66	21305.937	0.06	16.3332	1.140	6.982	ug/L
|>	Ge	72	311940.108	311940.11				ug/L
|	As	75	666.765	0.00	0.7941	0.103	12.929	ug/L
|	Se	77	92.667	0.00	0.2095	0.233	111.447	ug/L
|	Se	82	9.389	0.00	0.0367	0.086	234.064	ug/L
⌊	Rb	85	62935.180	0.20				mg/L
	Y	89	279489.555	27362.31				ug/L
	Rh	103	22.000	10.00				ug/L
⌈	Mo	98	248.914	0.00	0.0468	0.002	4.684	ug/L
|	Ag	107	142.002	0.00	0.0110	0.001	11.291	ug/L
|	Cd	114	16.341	0.00	0.0058	0.008	143.230	ug/L
|>	In	115	325654.203	325654.20				ug/L
|	Sn	118	226.669	0.00	-0.0276	0.004	13.715	ug/L
⌊	Sb	123	79.113	0.00	0.0192	0.004	19.060	ug/L
⌈	Ba	135	60365.314	0.14	36.4787	2.662	7.298	ug/L
|	Ce	140	1748856.718	3.94				ug/L
⌊>	Tb	159	443379.949	443379.95				ug/L
⌈	Ho	165	3387.584	0.01				ug/L
|	Tl	203	878.381	0.00	0.1008	0.009	8.753	ug/L
|	Tl	205	2073.758	0.00	0.0951	0.012	12.245	ug/L
|	Pb	206	74060.118	0.17	10.1356	0.813	8.021	ug/L
|	Pb	207	63606.120	0.15	9.2303	0.569	6.164	ug/L
|	Pb	208	298310.404	0.69	9.7354	0.652	6.698	ug/L
|	U	238	25145.592	0.06	0.4966	0.033	6.571	ug/L
⌊>	Bi	209	427777.090	427777.09				ug/L

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⌈	Na	23	59268.395	0.19	-0.0018	0.001	31.679	mg/L
|	Mg	24	1222291.223	5.57	0.2863	0.019	6.567	mg/L
|	K	39	2916024.996	11.34	0.2823	0.005	1.707	mg/L
|	Ca	43	1160.184	0.00	0.0364	0.007	19.227	mg/L
|	Fe	54	8299236.462	37.54	11.7314	0.448	3.818	mg/L
|	Fe	57	3408994.016	15.48	11.5193	0.442	3.838	mg/L
⌊>	Sc-1	45	219603.749	219603.75				mg/L
	Cl	35	12889.642	295.72				mg/L
	Kr	83	70.334	1.33				mg/L
	Br	81	8408.204	-174.14				mg/L
	P	31	50509.659	40701.51				mg/L
	S	34	127326.143	-4752.45				mg/L
	Sr	88	11958.440	11888.43				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.649			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.222			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.476			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.226			

Sample ID: L1104018001 WG360983-01
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104018002S WG360983-04

Sample Date/Time: Wednesday, April 06, 2011 22:20:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 72
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.168	-0.03				ug/L
|	Be	9	2007.536	0.01	5.1531	0.373	7.240	ug/L
|	Al	27	62414447.923	304.58	9264.7452	491.623	5.306	ug/L
⌊>	Sc	45	204861.050	204861.05				ug/L
⌈	Ti	49	79158.185	0.25	131.8219	10.885	8.257	ug/L
|	V	51	327145.190	1.03	34.3167	1.405	4.093	ug/L
|	Cr	52	122260.614	0.36	14.1610	0.676	4.772	ug/L
|	Cr	53	13240.095	0.04	14.0863	0.604	4.288	ug/L
|	Mn	55	5376658.163	17.03	430.0117	24.805	5.769	ug/L
|	Co	59	104863.941	0.33	10.8244	0.590	5.455	ug/L
|	Ni	60	22750.804	0.07	11.3917	0.613	5.384	ug/L
|	Cu	65	25093.427	0.08	12.3133	0.626	5.084	ug/L
|	Zn	66	35999.145	0.11	28.3416	1.351	4.768	ug/L
| >	Ge	72	315703.208	315703.21				ug/L
|	As	75	6295.434	0.02	5.9252	0.394	6.654	ug/L
|	Se	77	600.685	0.00	5.8886	0.172	2.915	ug/L
|	Se	82	636.483	0.00	5.6127	0.223	3.979	ug/L
⌊	Rb	85	93587.579	0.30				mg/L
	Y	89	284446.929	32319.69				ug/L
	Rh	103	21.000	9.00				ug/L
⌈	Mo	98	310.962	0.00	0.0675	0.004	5.316	ug/L
|	Ag	107	32224.555	0.10	4.9932	0.149	2.989	ug/L
|	Cd	114	7440.779	0.02	5.7639	0.083	1.434	ug/L
| >	In	115	323028.824	323028.82				ug/L
|	Sn	118	215.469	0.00	-0.0296	0.001	2.131	ug/L
⌊	Sb	123	512.589	0.00	0.1314	0.017	12.715	ug/L
⌈	Ba	135	61518.066	0.14	37.3300	1.609	4.310	ug/L
|	Ce	140	856745.561	1.94				ug/L
⌊>	Tb	159	441772.974	441772.97				ug/L
⌈	Ho	165	3777.762	0.01				ug/L
|	Tl	203	46214.467	0.11	5.2163	0.251	4.807	ug/L
|	Tl	205	115080.227	0.27	5.2304	0.173	3.307	ug/L
|	Pb	206	85075.552	0.20	11.6237	0.515	4.430	ug/L
|	Pb	207	74598.528	0.17	10.8090	0.445	4.121	ug/L
|	Pb	208	344751.916	0.80	11.2321	0.532	4.732	ug/L
|	U	238	306661.768	0.71	5.9983	0.343	5.721	ug/L
⌊>	Bi	209	429082.187	429082.19				ug/L

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Na	23	68501.528	0.25	0.0004	0.001	201.392	mg/L	
Mg	24	1541387.971	7.52	0.3885	0.023	5.893	mg/L	
K	39	4089036.431	18.01	0.4509	0.028	6.308	mg/L	
Ca	43	1883.702	0.01	0.0764	0.015	19.073	mg/L	
Fe	54	9600964.932	46.60	14.5632	0.741	5.088	mg/L	
Fe	57	4030754.340	19.64	14.6192	0.852	5.825	mg/L	
> Sc-1	45	204861.050	204861.05				mg/L	
Cl	35	15625.535	3031.61				mg/L	
Kr	83	63.001	-6.00				mg/L	
Br	81	8165.332	-417.02				mg/L	
P	31	59904.911	50096.76				mg/L	
S	34	122215.606	-9862.99				mg/L	
Sr	88	22524.280	22454.27				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		98.827			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		94.455			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.137			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		95.516			

Sample ID: L1104018002S WG360983-04
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: L1104018003SD WG360983-05

Sample Date/Time: Wednesday, April 06, 2011 22:27:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 73
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: EDL
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21122.406	-0.03				ug/L
|	Be	9	1866.841	0.01	4.6074	0.039	0.844	ug/L
|	Al	27	48741877.486	228.84	6960.8121	229.691	3.300	ug/L
⌊>	Sc	45	212910.224	212910.22				ug/L
⌈	Ti	49	62417.628	0.19	101.8035	6.465	6.351	ug/L
|	V	51	328025.366	1.01	33.6945	1.366	4.055	ug/L
|	Cr	52	118389.980	0.34	13.3734	0.568	4.250	ug/L
|	Cr	53	13149.969	0.04	13.6962	0.707	5.161	ug/L
|	Mn	55	3341232.239	10.36	261.7052	7.541	2.881	ug/L
|	Co	59	85368.609	0.26	8.6296	0.392	4.542	ug/L
|	Ni	60	19344.912	0.06	9.4816	0.409	4.313	ug/L
|	Cu	65	23949.572	0.07	11.5013	0.352	3.059	ug/L
|	Zn	66	31371.138	0.09	23.9512	0.681	2.843	ug/L
|>	Ge	72	322381.989	322381.99				ug/L
|	As	75	6046.315	0.02	5.5853	0.199	3.564	ug/L
|	Se	77	563.349	0.00	5.3391	0.195	3.658	ug/L
|	Se	82	564.736	0.00	4.8724	0.332	6.818	ug/L
⌊	Rb	85	81776.247	0.25				mg/L
	Y	89	290984.921	38857.68				ug/L
	Rh	103	19.000	7.00				ug/L
⌈	Mo	98	316.108	0.00	0.0663	0.002	3.772	ug/L
|	Ag	107	30748.533	0.09	4.6281	0.095	2.063	ug/L
|	Cd	114	7137.470	0.02	5.3707	0.103	1.918	ug/L
|>	In	115	332529.518	332529.52				ug/L
|	Sn	118	196.802	0.00	-0.0349	0.002	6.085	ug/L
⌊	Sb	123	490.208	0.00	0.1220	0.003	2.316	ug/L
⌈	Ba	135	55282.432	0.12	32.7218	1.283	3.921	ug/L
|	Ce	140	650700.146	1.44				ug/L
⌊>	Tb	159	452756.939	452756.94				ug/L
⌈	Ho	165	3811.107	0.01				ug/L
|	Tl	203	44245.504	0.10	4.9617	0.132	2.662	ug/L
|	Tl	205	109618.722	0.25	4.9497	0.041	0.826	ug/L
|	Pb	206	73210.599	0.17	9.9237	0.285	2.874	ug/L
|	Pb	207	64810.093	0.15	9.3172	0.148	1.590	ug/L
|	Pb	208	300018.552	0.69	9.6977	0.270	2.784	ug/L
|	U	238	287599.590	0.67	5.5878	0.192	3.432	ug/L
⌊>	Bi	209	431840.849	431840.85				ug/L

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⌈	Na	23	58268.443	0.19	-0.0017	0.000	13.002	mg/L
|	Mg	24	1246393.006	5.85	0.3014	0.019	6.401	mg/L
|	K	39	3205917.367	13.12	0.3274	0.022	6.773	mg/L
|	Ca	43	1580.283	0.01	0.0583	0.002	3.885	mg/L
|	Fe	54	9381554.323	43.82	13.6931	0.574	4.195	mg/L
|	Fe	57	4087110.940	19.15	14.2512	0.597	4.187	mg/L
⌊>	Sc-1	45	212910.224	212910.22				mg/L
	Cl	35	15527.384	2933.46				mg/L
	Kr	83	71.668	2.67				mg/L
	Br	81	8493.614	-88.74				mg/L
	P	31	60520.092	50711.94				mg/L
	S	34	132612.926	534.33				mg/L
	Sr	88	18088.178	18018.17				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.917			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.233			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.452			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.130			

Sample ID: L1104018003SD WG360983-05
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1104018003SD WG360983-05
Report Date/Time: Wednesday, April 06, 2011 22:29:55
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Wednesday, April 06, 2011 22:34:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19301.973	-0.02				ug/L
|	Be	9	15683.624	0.09	49.2280	1.676	3.405	ug/L
|	Al	27	259445.695	1.53	46.3858	2.721	5.866	ug/L
⌊>	Sc	45	168661.366	168661.37				ug/L
⌈	Ti	49	55894.798	0.18	94.1353	4.005	4.255	ug/L
|	V	51	448821.495	1.43	47.7076	0.464	0.974	ug/L
|	Cr	52	399658.657	1.25	49.3321	0.418	0.848	ug/L
|	Cr	53	46787.200	0.15	50.9185	0.949	1.863	ug/L
|	Mn	55	608486.650	1.95	49.1688	0.628	1.277	ug/L
|	Co	59	477098.417	1.53	49.7985	0.334	0.671	ug/L
|	Ni	60	100340.737	0.32	50.9144	1.725	3.389	ug/L
|	Cu	65	99141.730	0.32	49.5919	1.346	2.713	ug/L
|	Zn	66	60299.208	0.19	49.1192	0.565	1.150	ug/L
| >	Ge	72	312316.553	312316.55				ug/L
|	As	75	55064.487	0.18	51.0099	0.964	1.891	ug/L
|	Se	77	4693.102	0.01	52.3111	1.245	2.379	ug/L
|	Se	82	5915.016	0.02	53.1358	0.323	0.608	ug/L
⌊	Rb	85	2397.645	0.01				mg/L
	Y	89	248580.045	-3547.20				ug/L
	Rh	103	41.667	29.67				ug/L
⌈	Mo	98	341462.929	1.02	106.8602	0.361	0.338	ug/L
|	Ag	107	335658.034	1.01	50.5244	0.578	1.143	ug/L
|	Cd	114	67703.288	0.20	50.8978	0.904	1.776	ug/L
| >	In	115	333286.351	333286.35				ug/L
|	Sn	118	240858.693	0.72	50.7074	0.112	0.222	ug/L
⌊	Sb	123	204375.503	0.61	51.1931	0.188	0.368	ug/L
⌈	Ba	135	86909.905	0.19	50.7684	0.337	0.663	ug/L
|	Ce	140	103.344	0.00				ug/L
⌊>	Tb	159	458824.833	458824.83				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	436294.780	1.04	50.3762	0.459	0.911	ug/L
|	Tl	205	1096241.833	2.61	50.9839	0.389	0.763	ug/L
|	Pb	206	353415.201	0.84	49.7196	0.225	0.452	ug/L
|	Pb	207	334142.856	0.80	49.8546	0.146	0.294	ug/L
|	Pb	208	1487112.211	3.54	49.8867	0.415	0.831	ug/L
|	U	238	2509928.588	5.99	50.2063	0.281	0.560	ug/L
⌊>	Bi	209	419254.012	419254.01				ug/L

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Na	23	23057313.671	136.69	4.7590	0.138	2.910	mg/L	
Mg	24	15379420.639	91.18	4.7528	0.017	0.356	mg/L	
K	39	32740785.457	192.28	4.8569	0.182	3.747	mg/L	
Ca	43	79986.762	0.47	4.8177	0.287	5.958	mg/L	
Fe	54	2892294.338	16.89	5.2791	0.065	1.230	mg/L	
Fe	57	1213021.781	7.16	5.3263	0.228	4.280	mg/L	
> Sc-1	45	168661.366	168661.37				mg/L	
Cl	35	13551.843	957.92				mg/L	
Kr	83	56.667	-12.33				mg/L	
Br	81	8306.784	-275.57				mg/L	
P	31	9924.941	116.79				mg/L	
S	34	148477.119	16398.52				mg/L	
Sr	88	2380.522	2310.51				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	95.415				
Cr	52	98.664				
Cr	53					
Mn	55	98.338				
Co	59	99.597				
Ni	60	101.829				
Cu	65	99.184				
Zn	66	98.238				
> Ge	72		97.767			
As	75	102.020				
Se	77					
Se	82	106.272				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.049				
Cd	114	101.796				
> In	115		97.454			
Sn	118					
Sb	123	102.386				
Ba	135	101.537				
Ce	140					
> Tb	159		96.732			
Ho	165					
Tl	203	100.752				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.773				
U	238	100.413				
> Bi	209		93.328			

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 22:37:02

Approved: April 07, 2011

⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Wednesday, April 06, 2011 22:37:02
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Approved: April 07, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Wednesday, April 06, 2011 22:41:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: EDL

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20420.833	-0.02				ug/L
|	Be	9	15.333	-0.00	0.0110	0.023	210.002	ug/L
|	Al	27	2867.091	0.00	0.0681	0.088	129.330	ug/L
⌊>	Sc	45	176088.464	176088.46				ug/L
⌈	Ti	49	26.669	-0.00	0.0175	0.025	141.102	ug/L
|	V	51	2967.169	0.00	0.0267	0.007	26.175	ug/L
|	Cr	52	9314.096	0.00	0.0312	0.015	49.230	ug/L
|	Cr	53	220.025	0.00	0.0037	0.094	2566.870	ug/L
|	Mn	55	447.348	0.00	-0.0098	0.003	28.790	ug/L
|	Co	59	76.334	0.00	0.0059	0.002	29.385	ug/L
|	Ni	60	37.000	0.00	-0.0121	0.004	30.295	ug/L
|	Cu	65	191.337	-0.00	-0.0393	0.000	1.242	ug/L
|	Zn	66	1296.097	-0.00	-0.5707	0.014	2.530	ug/L
|>	Ge	72	324971.424	324971.42				ug/L
|	As	75	-257.429	-0.00	-0.0506	0.037	73.238	ug/L
|	Se	77	80.000	-0.00	0.0290	0.042	145.484	ug/L
|	Se	82	-5.249	0.00	-0.0929	0.107	115.730	ug/L
⌊	Rb	85	31.667	0.00				mg/L
	Y	89	257027.258	4900.01				ug/L
	Rh	103	17.000	5.00				ug/L
⌈	Mo	98	164.761	0.00	0.0163	0.005	31.985	ug/L
|	Ag	107	60.001	0.00	-0.0023	0.002	75.498	ug/L
|	Cd	114	3.240	0.00	-0.0044	0.004	87.639	ug/L
|>	In	115	349492.987	349492.99				ug/L
|	Sn	118	283.071	0.00	-0.0196	0.005	25.340	ug/L
⌊	Sb	123	92.363	0.00	0.0210	0.001	5.823	ug/L
⌈	Ba	135	25.334	-0.00	0.0037	0.001	22.952	ug/L
|	Ce	140	33.337	0.00				ug/L
⌊>	Tb	159	469338.701	469338.70				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	385.678	0.00	0.0442	0.004	8.172	ug/L
|	Tl	205	946.807	0.00	0.0429	0.005	11.665	ug/L
|	Pb	206	379.678	0.00	-0.0442	0.002	3.817	ug/L
|	Pb	207	312.675	-0.00	-0.0422	0.002	5.695	ug/L
|	Pb	208	1514.061	0.00	-0.0417	0.001	2.013	ug/L
|	U	238	133.669	0.00	0.0063	0.000	7.089	ug/L
⌊>	Bi	209	437002.811	437002.81				ug/L

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⌈	Na	23	16077.857	0.01	-0.0080	0.000	1.926	mg/L
|	Mg	24	800.113	0.00	-0.0039	0.000	1.283	mg/L
|	K	39	358251.141	0.09	-0.0019	0.002	123.061	mg/L
|	Ca	43	200.022	0.00	-0.0057	0.002	42.586	mg/L
|	Fe	54	40420.455	-0.03	-0.0096	0.001	15.313	mg/L
|	Fe	57	8174.158	0.01	0.0027	0.001	44.622	mg/L
⌊>	Sc-1	45	176088.464	176088.46				mg/L
	Cl	35	13529.148	935.22				mg/L
	Kr	83	67.001	-2.00				mg/L
	Br	81	9851.522	1269.17				mg/L
	P	31	9381.787	-426.36				mg/L
	S	34	149336.365	17257.77				mg/L
	Sr	88	80.008	10.00				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		101.728			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.193			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.948			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.279			

Sample ID: QC Std 7
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⌈	Na	23
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
⌊>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34
	Sr	88

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 7	Tl	203	CCB IS OUT OF LIMITS (+/-1/2RL)

Sample ID: QC Std 7
Report Date/Time: Wednesday, April 06, 2011 22:44:07
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2.2 General Chemistry Data

2.2.1 Percent Solids Data

2.2.1.1 Raw Data

LABORATORY REPORT

L11040180

04/08/11 09:32

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SWMU-57-4511-SS-DUP	L11040180-01	D2216-90	1	06-APR-11
SWMU-57-4511-SS-MS	L11040180-02	D2216-90	1	06-APR-11
SWMU-57-4511-SS-MSD	L11040180-03	D2216-90	1	06-APR-11

Microbac Laboratories Inc.

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	**L11040180-01**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4511-SS-DUP**	Prep Method:	**D2216-90**	Prep Date:	**04/07/2011 08:54**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG361004**	Analyst:	**JDH**	Run Date:	**04/07/2011 08:54**
Collect Date:	**04/05/2011 13:30**	Dilution:	**1**	File ID:	**B1.361004-0115**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**78.4**		**1.00**	**1.00**

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number:	**L11040180-02**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SWMU-57-4511-SS-MS**	Prep Method:	**D2216-90**	Prep Date:	**04/07/2011 08:54**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG361004**	Analyst:	**JDH**	Run Date:	**04/07/2011 08:54**
Collect Date:	**04/05/2011 13:30**	Dilution:	**1**	File ID:	**B1.361004-0116**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**78.4**		**1.00**	**1.00**

Report Number: **L11040180**
Report Date : **April 8, 2011**

Sample Number: **L11040180-03**
Client ID: **SWMU-57-4511-SS-MSD**
Matrix: **Soil**
Workgroup Number: **WG361004**
Collect Date: **04/05/2011 13:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **04/07/2011 08:54**
Cal Date:
Run Date: **04/07/2011 08:54**
File ID: **B1.361004-0117**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**78.4**		**1.00**	**1.00**

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:	
WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

2.0 Calculating the percent moisture of a sample.

% Moisture = 100 - % Solids from 1.0 calculation

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG361004 Analyst:JDH ADT(on):04/06/2011 14:13
Method:D2216-90 Instrument:BAL001 ADT(off):04/07/2011 08:54
SOP:K0003 Rev:11

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE
L11040098-01	1.3	32.61	27.12			82.47	
L11040100-01	1.3	32.34	28.73			88.37	
L11040102-01	1.3	31.91	22.79			70.21	
L11040104-04	1.3	26.59	24.05			89.96	
L11040104-06	1.31	22.54	20.64			91.05	
L11040104-08	1.3	27.75	25.1			89.98	
L11040107-02	1.31	29.63	25.02			83.72	
L11040107-04	1.31	35.9	31.22			86.47	
L11040107-06	1.31	26.75	21.31			78.62	
L11040107-08	1.31	27.27	23.3			84.71	
L11040179-01	1.31	24.83	18.99			75.17	
L11040179-02	1.3	22.91	18.21			78.25	
L11040179-03	1.31	28.1	22.75			80.03	
L11040179-04	1.32	21.31	17.23			79.59	
L11040180-01	1.31	23.19	18.47			78.43	
L11040180-02	1.31	23.19	18.47			78.43	
L11040180-03	1.31	23.19	18.47			78.43	
WG361004-01	1.31	23.19	18.47			78.43	21.57
WG361004-02	1.31	17.94	14.3			78.11	21.89

Analyst: Justin Hesson

PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1967407
Report generated: 04/07/2011 08:54

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
April 8, 2011

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
ALV – AMY L. VALENTINE	AML – TONY M. LONG	AZH – AFTER HOURS
BLG – BRENDA L. GREENWALT	BRG – BRENDA R. GREGORY	CAA – CASSIE A. AUGENSTEIN
CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD
CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
ECL – ERIC C. LAWSON	EDL – ERIN D. LONG	ERP – ERIN R. PORTER
FJB – FRANCES J. BOLDEN	HAV – HEMA VILASAGAR	HJR – HOLLY J. REED
JAL – JOHN A. LENT	JBK – JEREMY B. KINNEY	JDH – JUSTIN D. HESSON
JKT – JANE K. THOMPSON	JLL – JOHN L. LENT	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KEB – KATIE E. BARNES
KHR – KIM H. RHODES	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MIKE D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	PDM – PIERCE D. MORRIS	PWD – PAUL W. DENT
RAH – ROY A. HALSTEAD	RB – BOB BUCHANAN	REK – BOB E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WJB – WILL J. BEASLEY
WTD – WADE T. DELONG		

Microbac Laboratories Inc.
List of Valid Qualifiers
April 08, 2011

Qualkey: DOD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	The reported result is associated with a contaminated method blank.
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated concentration; sample matrix interference.
J	Estimated value ; the analyte concentration was greater than the highest standard
J	Estimated value ; the analyte concentration was less than the low standard (LOQ)
J	The reported result is an estimated value.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported LOD.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: DOD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 2170

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

CHAIN-OF-CUSTODY RECORD

Phone: 740-373-4308
Fax: 740-376-2536

Company Name: UXB-KEMRON

Project Contact: MARY LOU ROCHOTTE | Contact Phone #: 740-373-4308

Turn Around Requirements: 5-DAY | Location: RFAAP - RADFORD, VA

Project ID: MR0669 | SWMU-57

Sampler (print): JONAH ANDERSON | Signature:

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	* METALS, SEE LIST	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
SWMU-57-4511-SS-DUP		X	4-5-11	1330	SOIL	1		1		PER QAPP FOR RFAAP *Aluminum Antimony Manganese Cadmium Chromium Iron
SWMU-57-4511-SS-MS		X	4-5-11	1330	SOIL	1		1		
SWMU-57-4511-SS-MSD		X	4-5-11	1330	SOIL	1		1		

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

Relinquished by: (Signature)	Date	Time	Received by: (Signature)
	4-5-11	1520	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)

Remarks:

Microbac OVD 221000013793
Received: 04/06/2011 11:46
By: ROBIN KLINGER
Robin L. Klinger

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

COOLER INSPECTION

Received: 04/06/2011 11:46
Delivery Method: FedEx
Opened By: Robin Klinger
Comments:

Login(s): L11040180|

Cooler(s)

Cooler #	Temp Gun	Temp	Tracking #	COC #	Comments
001-000080	G	0.0	345750961100256387504383856820 06	2170	

1	Yes	Were shipping coolers sealed?
2	Yes	Were custody seals intact?
3	Yes	Were cooler temperatures in range of 0-6?
4	Yes	Was ice present?
5	Yes	Were COC's received/information complete/signed and dated?
6	Yes	Were sample containers and labels intact and match COC?
7	Yes	Were the correct containers and volumes received?
8	Yes	Were samples received within EPA hold times?
9	NA	Were correct perservatives used? (water only)
10	NA	Were pH ranges acceptable? (voa's excluded)
11	NA	Were VOA samples free of headspace (less than 6mm)?

Discrepancies:

Microbac - Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750
Tel: (740)373-4071 Fax: (740)373-4835

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11040180
Account: 2820
Project: 2820.216
Samples: 3
Due Date: 13-APR-2011

Samplenum	Container ID	Products
L11040180-01	816687	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:08	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

Samplenum	Container ID	Products
L11040180-02	816688	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:08	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

Samplenum	Container ID	Products
L11040180-03	816689	AL CD-MS CR-MS FE MN PCT-S SB-AX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	06-APR-2011 13:08	JKT	
2	ANALYZ	W1	DIG	06-APR-2011 13:08	ERP	JKT
3	STORE	WET	W1	07-APR-2011 13:09	RLK	JDH

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

OFF-SITE BACKFILL SOIL SAMPLE ANALYTICAL REPORT
L11020447

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L11020447

Client: Mary Lou Rochette, 156 Starlite Drive, Marietta, OH, 45750

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box below at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Kathy Albertson	*Team Chemist/Data Specialist*	Kathy.Albertson@microbac.com
Stephanie Mossburg	*Team Chemist/Data Specialist*	Stephanie.Mossburg@microbac.com
Tony Long	*Team Chemist/Data Specialist*	Tony.Long@microbac.com
Amanda Fickiesen	*Client Services Specialist*	Amanda.Fickiesen@microbac.com
Annie Brown	*Client Services Specialist*	Annie.Brown@microbac.com

This report was reviewed on March 01, 2011.

Stephanie Mossburg - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the DoD QSM and other applicable contract terms and conditions. Any exceptions are attached to this cover page or addressed in the method narratives presented in this report. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories, DoD ELAP certification number 2936.01. The reported results are related only to the samples analyzed as received.

This report was certified on March 01, 2011.

David Vandenberg - Managing Director

State of origin: Virginia
Accrediting authority: N/A ID:N/A
QAPP: DOD Ver 4.1
This report contains a total of 1896 pages.

Look closer. Go further. Do more.

Microbac REPORT L11020447
PREPARED FOR Kemron Environmental Services
WORK ID:

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1.0 Introduction

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Summary

Client ID	Lab ID	Date Collected	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	02/16/2011 11:20	02/17/2011
SITE #1-2-16-11-DUP	L11020447-02	02/16/2011 11:20	02/17/2011
SITE #1-2-16-11-MS	L11020447-03	02/16/2011 11:20	02/17/2011
SITE #1-2-16-11-MSD	L11020447-04	02/16/2011 11:20	02/17/2011
SITE #1-2-16-11-FB	L11020447-05	02/16/2011 12:20	02/17/2011
SITE #1-2-16-11-CLAY-C	L11020447-06	02/16/2011 12:40	02/17/2011
SITE #1-2-16-11-CLAY-C-2	L11020447-07	02/16/2011 12:45	02/17/2011

L1_A_PROD_COVER - Modified 02/06/2008
PDF File ID: 1927724
Report generated: 03/01/2011 15:27

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG356943**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7471A**
Analytical Method: **7471A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**

Instrument: **HYDRA**
Prep Date: **02/18/2011 06:16**
Cal Date: **02/18/2011 08:50**
Run Date: **02/18/2011 09:14**
File ID: **HY.021811.091441**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.0266	J	0.293	0.0117

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **20**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 12:17**
File ID: **T2.021811.121711**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	828		174	86.9
Manganese, Total	7439-96-5	670		8.69	4.34

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:23**
File ID: **T2.021811.112321**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	5150		17.4	8.69
Antimony, Total	7440-36-0		U	0.869	0.434
Barium, Total	7440-39-3	56.6		0.434	0.217
Beryllium, Total	7440-41-7	0.480		0.434	0.217
Cadmium, Total	7440-43-9		U	0.434	0.217
Chromium, Total	7440-47-3	9.93		0.869	0.434
Cobalt, Total	7440-48-4	9.21		0.869	0.434
Copper, Total	7440-50-8	10.6		0.869	0.434
Iron, Total	7439-89-6	16400		2.61	1.30
Magnesium, Total	7439-95-4	590		21.7	10.9
Nickel, Total	7440-02-0	6.28		1.74	0.869
Potassium, Total	7440-09-7	344		43.4	21.7
Silver, Total	7440-22-4		U	1.74	0.869
Sodium, Total	7440-23-5		U	21.7	10.9
Vanadium, Total	7440-62-2	23.7		0.434	0.217
Zinc, Total	7440-66-6	18.0		0.869	0.434

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG356983**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **5**
Units: **mg/kg**

Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 05:52**
Cal Date: **02/18/2011 11:54**
Run Date: **02/18/2011 16:34**
File ID: **EL.021811.163456**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	3.15		1.78	0.891
Lead, Total	7439-92-1	13.9		1.19	0.594
Selenium, Total	7782-49-2	0.648	J	1.19	0.594
Thallium, Total	7440-28-0	0.124	J	0.238	0.119

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 16:47**
File ID: **15G25181.F**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	1.91	0.382
4,4'-DDE	72-55-9		U	1.91	0.382
4,4'-DDT	50-29-3		U	1.91	0.382
Aldrin	309-00-2		U	1.91	0.382
alpha Chlordane	5103-71-9		U	1.91	0.382
alpha-BHC	319-84-6		U	1.91	0.382
beta-BHC	319-85-7		U	1.91	0.382
delta-BHC	319-86-8		U	1.91	0.382
Endosulfan I	959-98-8		U	1.91	0.382
Endosulfan II	33213-65-9		U	1.91	0.382
Endosulfan sulfate	1031-07-8		U	1.91	0.382
Endrin	72-20-8		U	1.91	0.382
Endrin aldehyde	7421-93-4		U	1.91	0.382
Endrin ketone	53494-70-5		U	1.91	0.382
gamma Chlordane	5103-74-2		U	1.91	0.382
gamma-BHC (Lindane)	58-89-9		U	1.91	0.382
Heptachlor	76-44-8		U	1.91	0.382
Heptachlor epoxide	1024-57-3		U	1.91	0.382
Methoxychlor	72-43-5		U	1.91	0.382
Toxaphene	8001-35-2		U	38.2	19.3

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	61.4	70	125	*
Decachlorobiphenyl	56.2	55	130	

*** Surrogate or spike compound out of range**
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/22/2011 00:04**
File ID: **9GR60499.R**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	19.1	9.56
Aroclor-1221	11104-28-2		U	19.1	9.56
Aroclor-1232	11141-16-5		U	19.1	9.56
Aroclor-1242	53469-21-9		U	19.1	9.56
Aroclor-1248	12672-29-6		U	19.1	9.56

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/22/2011 00:04**
File ID: **9GR60499.R**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1254	11097-69-1		U	19.1	9.56
Aroclor-1260	11096-82-5		U	19.1	9.56

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	77.2	29	133	
Decachlorobiphenyl	74.2	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 12:30**
File ID: **7M50507**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	2.89	1.45
Acenaphthylene	208-96-8		U	2.89	1.45
Acenaphthene	83-32-9		U	2.89	1.45
Fluorene	86-73-7		U	2.89	1.45
Phenanthrene	85-01-8	1.96	J	2.89	1.45
Anthracene	120-12-7		U	2.89	1.45
Fluoranthene	206-44-0	4.24		2.89	1.45
Pyrene	129-00-0	3.59		2.89	1.45
Benzo(a)anthracene	56-55-3	1.72	J	2.89	1.45
Chrysene	218-01-9	2.30	J	2.89	1.45
Benzo(b)fluoranthene	205-99-2	2.32	J	2.89	1.45
Benzo(k)fluoranthene	207-08-9	2.00	J	2.89	1.45
Benzo(a)pyrene	50-32-8		U	2.89	1.45
Indeno(1,2,3-cd)pyrene	193-39-5	1.46	J	2.89	1.45
Dibenzo(a,h)anthracene	53-70-3		U	2.89	1.45
Benzo(g,h,i)perylene	191-24-2	1.86	J	2.89	1.45
1-Methylnaphthalene	90-12-0		U	2.89	1.45
2-Methylnaphthalene	91-57-6		U	2.89	1.45

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	76.8	35	100	
2-Fluorobiphenyl	66.2	45	105	
p-Terphenyl-d14	93.0	30	125	

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 11:20**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113470401**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	6.52			

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0131**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	84.0		1.00	1.00

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356943**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7471A**
Analytical Method: **7471A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**

Instrument: **HYDRA**
Prep Date: **02/18/2011 06:17**
Cal Date: **02/18/2011 08:47**
Run Date: **02/18/2011 09:22**
File ID: **HY.021811.092205**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.0259	J	0.290	0.0116

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **20**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 12:20**
File ID: **T2.021811.122045**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	922		175	87.3
Manganese, Total	7439-96-5	614		8.73	4.37

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:26**
File ID: **T2.021811.112659**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	4020		17.5	8.73
Antimony, Total	7440-36-0		U	0.873	0.437
Barium, Total	7440-39-3	48.2		0.437	0.218
Beryllium, Total	7440-41-7	0.398	J	0.437	0.218
Cadmium, Total	7440-43-9		U	0.437	0.218
Chromium, Total	7440-47-3	7.60		0.873	0.437
Cobalt, Total	7440-48-4	5.98		0.873	0.437
Copper, Total	7440-50-8	7.52		0.873	0.437
Iron, Total	7439-89-6	12100		2.62	1.31
Magnesium, Total	7439-95-4	481		21.8	10.9
Nickel, Total	7440-02-0	4.55		1.75	0.873
Potassium, Total	7440-09-7	233		43.7	21.8
Silver, Total	7440-22-4		U	1.75	0.873
Sodium, Total	7440-23-5		U	21.8	10.9
Vanadium, Total	7440-62-2	18.3		0.437	0.218
Zinc, Total	7440-66-6	12.6		0.873	0.437

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356983**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **5**
Units: **mg/kg**

Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 05:52**
Cal Date: **02/18/2011 11:54**
Run Date: **02/18/2011 16:41**
File ID: **EL.021811.164143**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	3.92		1.74	0.868
Lead, Total	7439-92-1	13.0		1.16	0.579
Selenium, Total	7782-49-2	0.711	J	1.16	0.579
Thallium, Total	7440-28-0	0.124	J	0.231	0.116

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 18:12**
File ID: **15G25184.F**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	1.91	0.381
4,4'-DDE	72-55-9		U	1.91	0.381
4,4'-DDT	50-29-3		U	1.91	0.381
Aldrin	309-00-2		U	1.91	0.381
alpha Chlordane	5103-71-9		U	1.91	0.381
alpha-BHC	319-84-6		U	1.91	0.381
beta-BHC	319-85-7		U	1.91	0.381
delta-BHC	319-86-8		U	1.91	0.381
Dieldrin	60-57-1		U	1.91	0.381
Endosulfan I	959-98-8		U	1.91	0.381
Endosulfan II	33213-65-9		U	1.91	0.381
Endosulfan sulfate	1031-07-8		U	1.91	0.381
Endrin	72-20-8		U	1.91	0.381

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 18:12**
File ID: **15G25184.F**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Endrin aldehyde	7421-93-4		U	1.91	0.381
Endrin ketone	53494-70-5		U	1.91	0.381
gamma Chlordane	5103-74-2		U	1.91	0.381
gamma-BHC (Lindane)	58-89-9		U	1.91	0.381
Heptachlor	76-44-8		U	1.91	0.381
Heptachlor epoxide	1024-57-3		U	1.91	0.381
Methoxychlor	72-43-5		U	1.91	0.381
Toxaphene	8001-35-2		U	38.1	19.3

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	56.9	70	125	*
Decachlorobiphenyl	49.6	55	130	*

***** Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 22:52**
File ID: **9GR60495.R**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	19.1	9.53
Aroclor-1221	11104-28-2		U	19.1	9.53
Aroclor-1232	11141-16-5		U	19.1	9.53
Aroclor-1242	53469-21-9		U	19.1	9.53
Aroclor-1248	12672-29-6		U	19.1	9.53
Aroclor-1254	11097-69-1		U	19.1	9.53
Aroclor-1260	11096-82-5		U	19.1	9.53

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	76.3	29	133	
Decachlorobiphenyl	68.8	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 13:53**
File ID: **7M50510**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	2.89	1.45
Acenaphthylene	208-96-8		U	2.89	1.45
Acenaphthene	83-32-9		U	2.89	1.45
Fluorene	86-73-7		U	2.89	1.45
Phenanthrene	85-01-8	1.90	J	2.89	1.45
Anthracene	120-12-7		U	2.89	1.45
Fluoranthene	206-44-0	5.00		2.89	1.45
Pyrene	129-00-0	4.34		2.89	1.45
Benzo(a)anthracene	56-55-3	2.21	J	2.89	1.45
Chrysene	218-01-9	2.69	J	2.89	1.45
Benzo(b)fluoranthene	205-99-2	3.26		2.89	1.45

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 13:53**
File ID: **7M50510**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Benzo(k)fluoranthene	207-08-9	2.24	J	2.89	1.45
Benzo(a)pyrene	50-32-8	2.46	J	2.89	1.45
Indeno(1,2,3-cd)pyrene	193-39-5	1.76	J	2.89	1.45
Dibenzo(a,h)anthracene	53-70-3		U	2.89	1.45
Benzo(g,h,i)perylene	191-24-2	2.18	J	2.89	1.45
1-Methylnaphthalene	90-12-0		U	2.89	1.45
2-Methylnaphthalene	91-57-6		U	2.89	1.45

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	66.7	35	100	
2-Fluorobiphenyl	60.4	45	105	
p-Terphenyl-d14	87.1	30	125	

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 11:20**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113471301**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	6.59			

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0132**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	85.5		1.00	1.00

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356943**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7471A**
Analytical Method: **7471A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**

Instrument: **HYDRA**
Prep Date: **02/18/2011 06:14**
Cal Date: **02/18/2011 08:52**
Run Date: **02/18/2011 09:24**
File ID: **HY.021811.092400**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.311		0.293	0.0117

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **20**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 12:24**
File ID: **T2.021811.122420**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	1030		174	86.9
Manganese, Total	7439-96-5	713		8.69	4.34

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:30**
File ID: **T2.021811.113036**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	5250		17.4	8.69
Antimony, Total	7440-36-0	21.4		0.869	0.434
Barium, Total	7440-39-3	70.5		0.434	0.217
Beryllium, Total	7440-41-7	1.33		0.434	0.217
Cadmium, Total	7440-43-9	0.984		0.434	0.217
Chromium, Total	7440-47-3	18.3		0.869	0.434
Cobalt, Total	7440-48-4	11.8		0.869	0.434
Copper, Total	7440-50-8	19.3		0.869	0.434
Iron, Total	7439-89-6	15100		2.61	1.30
Magnesium, Total	7439-95-4	738		21.7	10.9
Nickel, Total	7440-02-0	15.5		1.74	0.869
Potassium, Total	7440-09-7	1230		43.4	21.7
Silver, Total	7440-22-4	7.19		1.74	0.869
Sodium, Total	7440-23-5	969		21.7	10.9
Vanadium, Total	7440-62-2	41.3		0.434	0.217
Zinc, Total	7440-66-6	35.0		0.869	0.434

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356983**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **5**
Units: **mg/kg**

Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 05:51**
Cal Date: **02/18/2011 11:54**
Run Date: **02/18/2011 16:48**
File ID: **EL.021811.164831**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	14.6		1.78	0.891
Lead, Total	7439-92-1	25.6		1.19	0.594
Selenium, Total	7782-49-2	12.3		1.19	0.594
Thallium, Total	7440-28-0	11.8		0.238	0.119

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 17:16**
File ID: **15G25182.F**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8	16.1		1.96	0.392
4,4'-DDE	72-55-9	16.5		1.96	0.392
4,4'-DDT	50-29-3	16.7		1.96	0.392
Aldrin	309-00-2	15.2		1.96	0.392
alpha Chlordane	5103-71-9	15.4		1.96	0.392
alpha-BHC	319-84-6	16.6		1.96	0.392
beta-BHC	319-85-7	16.0		1.96	0.392
delta-BHC	319-86-8	16.7		1.96	0.392
Dieldrin	60-57-1	16.4		1.96	0.392
Endosulfan I	959-98-8	13.1		1.96	0.392
Endosulfan II	33213-65-9	13.7		1.96	0.392
Endosulfan sulfate	1031-07-8	17.8		1.96	0.392
Endrin	72-20-8	17.3		1.96	0.392
Endrin aldehyde	7421-93-4	13.4		1.96	0.392
Endrin ketone	53494-70-5	16.5		1.96	0.392
gamma Chlordane	5103-74-2	15.7		1.96	0.392
gamma-BHC (Lindane)	58-89-9	16.7		1.96	0.392
Heptachlor	76-44-8	14.5		1.96	0.392
Heptachlor epoxide	1024-57-3	13.3		1.96	0.392
Methoxychlor	72-43-5	16.6		1.96	0.392
Toxaphene	8001-35-2		U	39.2	19.8

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	67.2	70	125	*
Decachlorobiphenyl	66.1	55	130	

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/22/2011 00:22**
File ID: **9GR60500.R**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2	76.0	Q	19.5	9.75
Aroclor-1221	11104-28-2		U	19.5	9.75
Aroclor-1232	11141-16-5		U	19.5	9.75
Aroclor-1242	53469-21-9		U	19.5	9.75
Aroclor-1248	12672-29-6		U	19.5	9.75
Aroclor-1254	11097-69-1		U	19.5	9.75
Aroclor-1260	11096-82-5	76.6	Q	19.5	9.75

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	60.2	29	133	
Decachlorobiphenyl	53.3	60	125	*

Q One or more quality control criteria failed. See narrative.
***** Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 12:58**
File ID: **7M50508**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3	35.5		2.92	1.46
Acenaphthylene	208-96-8	29.2		2.92	1.46
Acenaphthene	83-32-9	31.5		2.92	1.46
Fluorene	86-73-7	33.9		2.92	1.46
Phenanthrene	85-01-8	46.4		2.92	1.46
Anthracene	120-12-7	46.9		2.92	1.46
Fluoranthene	206-44-0	58.5		2.92	1.46
Pyrene	129-00-0	52.8		2.92	1.46
Benzo(a)anthracene	56-55-3	49.0		2.92	1.46
Chrysene	218-01-9	48.1		2.92	1.46
Benzo(b)fluoranthene	205-99-2	53.6		2.92	1.46
Benzo(k)fluoranthene	207-08-9	38.3		2.92	1.46
Benzo(a)pyrene	50-32-8	48.9		2.92	1.46
Indeno(1,2,3-cd)pyrene	193-39-5	46.2		2.92	1.46
Dibenzo(a,h)anthracene	53-70-3	46.1		2.92	1.46
Benzo(g,h,i)perylene	191-24-2	47.5		2.92	1.46
1-Methylnaphthalene	90-12-0	35.0		2.92	1.46
2-Methylnaphthalene	91-57-6	38.3		2.92	1.46

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	70.0	35	100	
2-Fluorobiphenyl	62.2	45	105	
p-Terphenyl-d14	95.7	30	125	

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 11:20**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113472501**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	6.53			

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0133**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	84.0		1.00	1.00

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG356943**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7471A**
Analytical Method: **7471A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**

Instrument: **HYDRA**
Prep Date: **02/18/2011 06:14**
Cal Date: **02/18/2011 08:52**
Run Date: **02/18/2011 09:25**
File ID: **HY.021811.092544**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.318		0.293	0.0117

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:34**
File ID: **T2.021811.113409**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	5170		17.4	8.69
Antimony, Total	7440-36-0	21.2		0.869	0.434
Barium, Total	7440-39-3	63.7		0.434	0.217
Beryllium, Total	7440-41-7	1.26		0.434	0.217
Cadmium, Total	7440-43-9	0.969		0.434	0.217
Chromium, Total	7440-47-3	16.9		0.869	0.434
Cobalt, Total	7440-48-4	9.61		0.869	0.434
Copper, Total	7440-50-8	16.8		0.869	0.434
Iron, Total	7439-89-6	12200		2.61	1.30

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:34**
File ID: **T2.021811.113409**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Magnesium, Total	7439-95-4	682		21.7	10.9
Nickel, Total	7440-02-0	13.9		1.74	0.869
Potassium, Total	7440-09-7	1180		43.4	21.7
Silver, Total	7440-22-4	7.22		1.74	0.869
Sodium, Total	7440-23-5	957		21.7	10.9
Vanadium, Total	7440-62-2	38.1		0.434	0.217
Zinc, Total	7440-66-6	32.4		0.869	0.434

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **20**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 12:27**
File ID: **T2.021811.122753**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	1160		174	86.9
Manganese, Total	7439-96-5	567		8.69	4.34

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG356983**
Collect Date: **02/16/2011 11:20**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **5**
Units: **mg/kg**

Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 05:52**
Cal Date: **02/18/2011 11:54**
Run Date: **02/18/2011 16:55**
File ID: **EL.021811.165519**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	15.0		1.78	0.891
Lead, Total	7439-92-1	26.8		1.19	0.594
Selenium, Total	7782-49-2	11.5		1.19	0.594
Thallium, Total	7440-28-0	11.9		0.238	0.119

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 17:44**
File ID: **15G25183.F**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8	16.4		1.93	0.387
4,4'-DDE	72-55-9	16.9		1.93	0.387
4,4'-DDT	50-29-3	17.1		1.93	0.387
Aldrin	309-00-2	15.5		1.93	0.387
alpha Chlordane	5103-71-9	15.7		1.93	0.387
alpha-BHC	319-84-6	16.4		1.93	0.387
beta-BHC	319-85-7	16.0		1.93	0.387
delta-BHC	319-86-8	16.6		1.93	0.387

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 17:44**
File ID: **15G25183.F**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Dieldrin	60-57-1	17.1		1.93	0.387
Endosulfan I	959-98-8	13.1		1.93	0.387
Endosulfan II	33213-65-9	13.7		1.93	0.387
Endosulfan sulfate	1031-07-8	17.5		1.93	0.387
Endrin	72-20-8	17.2		1.93	0.387
Endrin aldehyde	7421-93-4	13.3		1.93	0.387
Endrin ketone	53494-70-5	16.3		1.93	0.387
gamma Chlordane	5103-74-2	15.7		1.93	0.387
gamma-BHC (Lindane)	58-89-9	16.5		1.93	0.387
Heptachlor	76-44-8	15.2		1.93	0.387
Heptachlor epoxide	1024-57-3	14.2		1.93	0.387
Methoxychlor	72-43-5	17.0		1.93	0.387
Toxaphene	8001-35-2		U	38.7	19.6

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	64.0	70	125	*
Decachlorobiphenyl	63.1	55	130	

***** Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/22/2011 00:40**
File ID: **9GR60501.R**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2	88.9		19.4	9.70
Aroclor-1221	11104-28-2		U	19.4	9.70
Aroclor-1232	11141-16-5		U	19.4	9.70
Aroclor-1242	53469-21-9		U	19.4	9.70
Aroclor-1248	12672-29-6		U	19.4	9.70
Aroclor-1254	11097-69-1		U	19.4	9.70
Aroclor-1260	11096-82-5	92.0		19.4	9.70

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	70.7	29	133	
Decachlorobiphenyl	62.5	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 13:25**
File ID: **7M50509**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3	33.6		2.92	1.46
Acenaphthylene	208-96-8	30.0		2.92	1.46
Acenaphthene	83-32-9	32.6		2.92	1.46
Fluorene	86-73-7	36.7		2.92	1.46
Phenanthrene	85-01-8	48.5		2.92	1.46
Anthracene	120-12-7	50.4		2.92	1.46

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 13:25**
File ID: **7M50509**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Fluoranthene	206-44-0	56.2		2.92	1.46
Pyrene	129-00-0	51.5		2.92	1.46
Benzo(a)anthracene	56-55-3	48.5		2.92	1.46
Chrysene	218-01-9	48.0		2.92	1.46
Benzo(b)fluoranthene	205-99-2	54.5		2.92	1.46
Benzo(k)fluoranthene	207-08-9	38.3		2.92	1.46
Benzo(a)pyrene	50-32-8	48.3		2.92	1.46
Indeno(1,2,3-cd)pyrene	193-39-5	46.7		2.92	1.46
Dibenzo(a,h)anthracene	53-70-3	47.1		2.92	1.46
Benzo(g,h,i)perylene	191-24-2	47.9		2.92	1.46
1-Methylnaphthalene	90-12-0	34.4		2.92	1.46
2-Methylnaphthalene	91-57-6	37.4		2.92	1.46

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	65.0	35	100	
2-Fluorobiphenyl	63.2	45	105	
p-Terphenyl-d14	98.5	30	125	

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 11:20**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113473201**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	6.42			

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0134**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	84.0		1.00	1.00

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356988**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7470A**
Analytical Method: **7470A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/L**

Instrument: **HYDRA**
Prep Date: **02/18/2011 11:14**
Cal Date:
Run Date: **02/18/2011 14:07**
File ID: **HY.021811.140758**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury	7439-97-6		U	0.000200	0.000100

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356956**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3005A**
Analytical Method: **6010B**
Analyst: **PDM**
Dilution: **1**
Units: **mg/L**

Instrument: **PE-ICP2**
Prep Date: **02/18/2011 06:36**
Cal Date: **02/18/2011 14:54**
Run Date: **02/18/2011 16:44**
File ID: **P2.021811.164428**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5		U	0.100	0.0500
Arsenic, Total	7440-38-2		U	0.0100	0.00500
Barium, Total	7440-39-3		U	0.0100	0.00500
Beryllium, Total	7440-41-7		U	0.0100	0.00500
Cadmium, Total	7440-43-9		U	0.0100	0.00500
Chromium, Total	7440-47-3		U	0.0200	0.0100
Cobalt, Total	7440-48-4		U	0.0200	0.0100
Copper, Total	7440-50-8		U	0.0200	0.0100
Iron, Total	7439-89-6		U	0.100	0.0500
Lead, Total	7439-92-1		U	0.00500	0.00250
Magnesium, Total	7439-95-4		U	0.500	0.250
Manganese, Total	7439-96-5		U	0.0100	0.00500
Nickel, Total	7440-02-0		U	0.0400	0.0200
Potassium, Total	7440-09-7		U	1.00	0.500
Silver, Total	7440-22-4		U	0.0100	0.00500
Sodium, Total	7440-23-5		U	0.500	0.250
Vanadium, Total	7440-62-2		U	0.0100	0.00500
Zinc, Total	7440-66-6		U	0.0200	0.0100

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356956**
Collect Date: **02/16/2011 12:20**
Sample Tag: **02**

PrePrep Method: **NONE**
Prep Method: **3005A**
Analytical Method: **6010B**
Analyst: **PDM**
Dilution: **1**
Units: **mg/L**

Instrument: **PE-ICP2**
Prep Date: **02/18/2011 06:36**
Cal Date: **02/21/2011 12:22**
Run Date: **02/21/2011 18:56**
File ID: **P2.022111.185639**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2		U	0.200	0.100

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356974**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3015**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **1**
Units: **mg/L**

Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 07:09**
Cal Date: **02/22/2011 09:56**
Run Date: **02/22/2011 16:24**
File ID: **EL.022211.162455**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.00100	0.000500
Selenium, Total	7782-49-2		U	0.00100	0.000500
Thallium, Total	7440-28-0		U	0.000200	0.000100

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357013**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/L**

Instrument: **HP15**
Prep Date: **02/18/2011 09:00**
Cal Date: **02/18/2011 23:19**
Run Date: **02/19/2011 15:38**
File ID: **15G25086.F**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	0.0562	0.0112
4,4'-DDE	72-55-9		U	0.0562	0.0112
4,4'-DDT	50-29-3		U	0.0562	0.0112
Aldrin	309-00-2		U	0.0562	0.0112
alpha Chlordane	5103-71-9		U	0.0562	0.0112
alpha-BHC	319-84-6		U	0.0562	0.0112
beta-BHC	319-85-7		U	0.0562	0.0112
delta-BHC	319-86-8		U	0.0562	0.0112
Dieldrin	60-57-1		U	0.0562	0.0112
Endosulfan I	959-98-8		U	0.0562	0.0112
Endosulfan II	33213-65-9		U	0.0562	0.0112
Endosulfan sulfate	1031-07-8		U	0.0562	0.0112
Endrin	72-20-8		U	0.0562	0.0112
Endrin aldehyde	7421-93-4		U	0.0562	0.0112
Endrin ketone	53494-70-5		U	0.0562	0.0112
gamma Chlordane	5103-74-2		U	0.0562	0.0112
gamma-BHC (Lindane)	58-89-9		U	0.0562	0.0112
Heptachlor	76-44-8		U	0.0562	0.0112
Heptachlor epoxide	1024-57-3		U	0.0562	0.0112
Methoxychlor	72-43-5		U	0.0562	0.0112
Toxaphene	8001-35-2		U	1.12	0.337

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	74.6	25	140	
Decachlorobiphenyl	61.3	30	135	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357014**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/L**

Instrument: **HP9**
Prep Date: **02/18/2011 09:01**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 21:58**
File ID: **9GR60492.R**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	0.562	0.281
Aroclor-1221	11104-28-2		U	0.562	0.281
Aroclor-1232	11141-16-5		U	0.562	0.281
Aroclor-1242	53469-21-9		U	0.562	0.281
Aroclor-1248	12672-29-6		U	0.562	0.281

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357014**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/L**

Instrument: **HP9**
Prep Date: **02/18/2011 09:01**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 21:58**
File ID: **9GR60492.R**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1254	11097-69-1		U	0.562	0.281
Aroclor-1260	11096-82-5		U	0.562	0.281

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	87.5	30	132	
Decachlorobiphenyl	80.3	40	135	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357222**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/L**

Instrument: **HPMS15**
Prep Date: **02/22/2011 08:31**
Cal Date: **02/15/2011 12:28**
Run Date: **02/22/2011 13:29**
File ID: **15M03987**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	0.0568	0.0284
Acenaphthylene	208-96-8		U	0.0568	0.0284
Acenaphthene	83-32-9		U	0.0568	0.0284
Fluorene	86-73-7		U	0.0568	0.0284
Phenanthrene	85-01-8		U	0.0568	0.0284
Anthracene	120-12-7		U	0.0568	0.0284
Fluoranthene	206-44-0		U	0.0568	0.0284
Pyrene	129-00-0		U	0.0568	0.0284
Benzo(a)anthracene	56-55-3		U	0.0568	0.0284
Chrysene	218-01-9		U	0.0568	0.0284
Benzo(b)fluoranthene	205-99-2		U	0.0568	0.0284
Benzo(k)fluoranthene	207-08-9		U	0.0568	0.0284
Benzo(a)pyrene	50-32-8		U	0.0568	0.0284
Indeno(1,2,3-cd)pyrene	193-39-5		U	0.0568	0.0284
Dibenzo(a,h)anthracene	53-70-3		U	0.0568	0.0284
Benzo(g,h,i)perylene	191-24-2		U	0.0568	0.0284
1-Methylnaphthalene	90-12-0		U	0.0568	0.0284
2-Methylnaphthalene	91-57-6		U	0.0568	0.0284

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	95.7	35	114	
2-Fluorobiphenyl	99.6	50	110	
p-Terphenyl-d14	103	33	141	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 12:20**

PrePrep Method: **NONE**
Prep Method: **9040C**
Analytical Method: **9040C**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113473901**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	5.48			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG356943**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7471A**
Analytical Method: **7471A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**

Instrument: **HYDRA**
Prep Date: **02/18/2011 06:18**
Cal Date: **02/18/2011 08:52**
Run Date: **02/18/2011 09:27**
File ID: **HY.021811.092730**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.112	J	0.293	0.0117

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:37**
File ID: **T2.021811.113741**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0	0.960		0.869	0.435
Barium, Total	7440-39-3	15.6		0.435	0.217
Beryllium, Total	7440-41-7	0.550		0.435	0.217
Cadmium, Total	7440-43-9		U	0.435	0.217
Calcium, Total	7440-70-2	252		8.69	4.35
Chromium, Total	7440-47-3	32.2		0.869	0.435
Cobalt, Total	7440-48-4	3.43		0.869	0.435
Copper, Total	7440-50-8	26.3		0.869	0.435
Magnesium, Total	7439-95-4	640		21.7	10.9
Manganese, Total	7439-96-5	43.4		0.435	0.217
Nickel, Total	7440-02-0	13.5		1.74	0.869
Potassium, Total	7440-09-7	375		43.5	21.7
Silver, Total	7440-22-4		U	1.74	0.869
Sodium, Total	7440-23-5		U	21.7	10.9
Vanadium, Total	7440-62-2	79.2		0.435	0.217
Zinc, Total	7440-66-6	12.8		0.869	0.435

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 12:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **20**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 12:38**
File ID: **T2.021811.123844**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	17400		348	174
Iron, Total	7439-89-6	52900		52.2	26.1

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG356983**
Collect Date: **02/16/2011 12:40**
Sample Tag: **DL01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **5**
Units: **mg/kg**

Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 05:52**
Cal Date: **02/18/2011 11:54**
Run Date: **02/18/2011 17:02**
File ID: **EL.021811.170206**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	9.09		1.78	0.888
Lead, Total	7439-92-1	14.7		1.18	0.592
Selenium, Total	7782-49-2	0.742	J	1.18	0.592
Thallium, Total	7440-28-0	0.465		0.237	0.118

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 18:41**
File ID: **15G25185.F**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	2.02	0.404
4,4'-DDE	72-55-9		U	2.02	0.404
4,4'-DDT	50-29-3		U	2.02	0.404
Aldrin	309-00-2		U	2.02	0.404
alpha Chlordane	5103-71-9		U	2.02	0.404
alpha-BHC	319-84-6		U	2.02	0.404
beta-BHC	319-85-7		U	2.02	0.404
delta-BHC	319-86-8		U	2.02	0.404
Dieldrin	60-57-1		U	2.02	0.404
Endosulfan I	959-98-8		U	2.02	0.404
Endosulfan II	33213-65-9		U	2.02	0.404
Endosulfan sulfate	1031-07-8		U	2.02	0.404
Endrin	72-20-8		U	2.02	0.404
Endrin aldehyde	7421-93-4		U	2.02	0.404
Endrin ketone	53494-70-5		U	2.02	0.404
gamma Chlordane	5103-74-2		U	2.02	0.404
gamma-BHC (Lindane)	58-89-9		U	2.02	0.404
Heptachlor	76-44-8		U	2.02	0.404
Heptachlor epoxide	1024-57-3		U	2.02	0.404
Methoxychlor	72-43-5		U	2.02	0.404
Toxaphene	8001-35-2		U	40.4	20.4

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	56.5	70	125	*
Decachlorobiphenyl	54.7	55	130	*

*** Surrogate or spike compound out of range**
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/22/2011 12:26**
File ID: **9GR60509.R**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	20.2	10.1
Aroclor-1221	11104-28-2		U	20.2	10.1
Aroclor-1232	11141-16-5		U	20.2	10.1
Aroclor-1242	53469-21-9		U	20.2	10.1
Aroclor-1248	12672-29-6		U	20.2	10.1
Aroclor-1254	11097-69-1		U	20.2	10.1
Aroclor-1260	11096-82-5		U	20.2	10.1

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	83.8	29	133	
Decachlorobiphenyl	87.4	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 11:36**
File ID: **7M50505**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	3.02	1.51
Acenaphthylene	208-96-8		U	3.02	1.51
Acenaphthene	83-32-9		U	3.02	1.51
Fluorene	86-73-7		U	3.02	1.51
Phenanthrene	85-01-8		U	3.02	1.51
Anthracene	120-12-7		U	3.02	1.51
Fluoranthene	206-44-0		U	3.02	1.51
Pyrene	129-00-0		U	3.02	1.51
Benzo(a)anthracene	56-55-3		U	3.02	1.51
Chrysene	218-01-9		U	3.02	1.51
Benzo(b)fluoranthene	205-99-2		U	3.02	1.51
Benzo(k)fluoranthene	207-08-9		U	3.02	1.51
Benzo(a)pyrene	50-32-8		U	3.02	1.51
Indeno(1,2,3-cd)pyrene	193-39-5		U	3.02	1.51
Dibenzo(a,h)anthracene	53-70-3		U	3.02	1.51
Benzo(g,h,i)perylene	191-24-2		U	3.02	1.51
1-Methylnaphthalene	90-12-0		U	3.02	1.51
2-Methylnaphthalene	91-57-6		U	3.02	1.51

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	73.0	35	100	
2-Fluorobiphenyl	66.3	45	105	
p-Terphenyl-d14	92.6	30	125	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 12:40**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113474701**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	4.87			

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0135**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	81.7		1.00	1.00

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG356943**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **7471A**
Analytical Method: **7471A**
Analyst: **PDM**
Dilution: **1**
Units: **mg/kg**

Instrument: **HYDRA**
Prep Date: **02/18/2011 06:19**
Cal Date: **02/18/2011 08:52**
Run Date: **02/18/2011 09:29**
File ID: **HY.021811.092915**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.122	J	0.305	0.0122

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:59**
File ID: **T2.021811.115930**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	10600		17.3	8.64
Antimony, Total	7440-36-0	0.679	J	0.864	0.432
Barium, Total	7440-39-3	15.3		0.432	0.216
Beryllium, Total	7440-41-7	0.580		0.432	0.216
Cadmium, Total	7440-43-9		U	0.432	0.216
Calcium, Total	7440-70-2	250		8.64	4.32
Chromium, Total	7440-47-3	26.9		0.864	0.432
Cobalt, Total	7440-48-4	4.59		0.864	0.432
Copper, Total	7440-50-8	22.9		0.864	0.432

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**
PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**
Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:59**
File ID: **T2.021811.115930**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Magnesium, Total	7439-95-4	663		21.6	10.8
Nickel, Total	7440-02-0	12.8		1.73	0.864
Potassium, Total	7440-09-7	349		43.2	21.6
Silver, Total	7440-22-4		U	1.73	0.864
Sodium, Total	7440-23-5		U	21.6	10.8
Vanadium, Total	7440-62-2	69.2		0.432	0.216
Zinc, Total	7440-66-6	12.1		0.864	0.432

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 12:45**
Sample Tag: **DL01**
PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **20**
Units: **mg/kg**
Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 12:53**
File ID: **T2.021811.125312**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Iron, Total	7439-89-6	49900		51.8	25.9
Manganese, Total	7439-96-5	81.2		8.64	4.32

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG356983**
Collect Date: **02/16/2011 12:45**
Sample Tag: **DL01**
PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6020**
Analyst: **JYH**
Dilution: **5**
Units: **mg/kg**
Instrument: **ELAN-ICP**
Prep Date: **02/18/2011 05:52**
Cal Date: **02/18/2011 11:54**
Run Date: **02/18/2011 17:08**
File ID: **EL.021811.170851**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	10.3		1.86	0.928
Lead, Total	7439-92-1	14.8		1.24	0.619
Selenium, Total	7782-49-2	0.979	J	1.24	0.619
Thallium, Total	7440-28-0	0.418		0.248	0.124

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**
PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**
Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 19:09**
File ID: **15G25186.F**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	2.06	0.411
4,4'-DDE	72-55-9		U	2.06	0.411
4,4'-DDT	50-29-3		U	2.06	0.411
Aldrin	309-00-2		U	2.06	0.411
alpha Chlordane	5103-71-9		U	2.06	0.411

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357023**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **02/18/2011 09:36**
Cal Date: **02/18/2011 23:19**
Run Date: **02/22/2011 19:09**
File ID: **15G25186.F**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
alpha-BHC	319-84-6		U	2.06	0.411
beta-BHC	319-85-7		U	2.06	0.411
delta-BHC	319-86-8		U	2.06	0.411
Dieldrin	60-57-1		U	2.06	0.411
Endosulfan I	959-98-8		U	2.06	0.411
Endosulfan II	33213-65-9		U	2.06	0.411
Endosulfan sulfate	1031-07-8		U	2.06	0.411
Endrin	72-20-8		U	2.06	0.411
Endrin aldehyde	7421-93-4		U	2.06	0.411
Endrin ketone	53494-70-5		U	2.06	0.411
gamma Chlordane	5103-74-2		U	2.06	0.411
gamma-BHC (Lindane)	58-89-9		U	2.06	0.411
Heptachlor	76-44-8		U	2.06	0.411
Heptachlor epoxide	1024-57-3		U	2.06	0.411
Methoxychlor	72-43-5		U	2.06	0.411
Toxaphene	8001-35-2		U	41.1	20.8

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	54.9	70	125	*
Decachlorobiphenyl	54.6	55	130	*

***** **Surrogate or spike compound out of range**
U **Analyte was not detected. The concentration is below the reported LOD.**

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 23:28**
File ID: **9GR60497.R**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	20.6	10.3
Aroclor-1221	11104-28-2		U	20.6	10.3
Aroclor-1232	11141-16-5		U	20.6	10.3
Aroclor-1242	53469-21-9		U	20.6	10.3
Aroclor-1248	12672-29-6		U	20.6	10.3
Aroclor-1254	11097-69-1		U	20.6	10.3
Aroclor-1260	11096-82-5		U	20.6	10.3

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	77.5	29	133	
Decachlorobiphenyl	85.6	60	125	

U **Analyte was not detected. The concentration is below the reported LOD.**

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 12:03**
File ID: **7M50506**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	3.12	1.56
Acenaphthylene	208-96-8		U	3.12	1.56
Acenaphthene	83-32-9		U	3.12	1.56
Fluorene	86-73-7		U	3.12	1.56
Phenanthrene	85-01-8		U	3.12	1.56
Anthracene	120-12-7		U	3.12	1.56
Fluoranthene	206-44-0		U	3.12	1.56
Pyrene	129-00-0		U	3.12	1.56
Benzo(a)anthracene	56-55-3		U	3.12	1.56
Chrysene	218-01-9		U	3.12	1.56
Benzo(b)fluoranthene	205-99-2		U	3.12	1.56
Benzo(k)fluoranthene	207-08-9		U	3.12	1.56
Benzo(a)pyrene	50-32-8		U	3.12	1.56
Indeno(1,2,3-cd)pyrene	193-39-5		U	3.12	1.56
Dibenzo(a,h)anthracene	53-70-3		U	3.12	1.56
Benzo(g,h,i)perylene	191-24-2		U	3.12	1.56
1-Methylnaphthalene	90-12-0		U	3.12	1.56
2-Methylnaphthalene	91-57-6		U	3.12	1.56

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	68.7	35	100	
2-Fluorobiphenyl	62.2	45	105	
p-Terphenyl-d14	101	30	125	

U Analyte was not detected. The concentration is below the reported LOD.

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 12:45**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113475601**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	4.80			

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0136**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	10-02-6	78.9		1.00	1.00

Login Number: L11020447

Department: Login

Chain of Custody:

Shipment Conditions

COC #	Cooler #	Temperature
2424	0014536	1.0

Sample Management: Site #1-TPS-2-16-11-COMP: metals jar received broken, transferred sample into another container.

Sample Identification

Lab ID	Client ID
L11020447-01	SITE #1-TPS-2-16-11-COMP
L11020447-02	SITE #1-2-16-11-DUP
L11020447-03	SITE #1-2-16-11-MS
L11020447-04	SITE #1-2-16-11-MSD
L11020447-05	SITE #1-2-16-11-FB
L11020447-06	SITE #1-2-16-11-CLAY-C
L11020447-07	SITE #1-2-16-11-CLAY-C-2

Narrative ID: 21600
Approved By: Stephanie Mossburg
Stephanie Mossburg

2.0 Full Sample Data Package

2.1 Semivolatiles Data

2.1.1 Semivolatiles GC/MS Data (827-PAHL)

2.1.1.1 Summary Data

Login Number: L11020447

Department: Semivolatiles

Analyst: Cassie A. Augenstein

METHOD

Preparation 3510C/3545

Analysis SW-846 8270C

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds that yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: Analytes were detected above the applicable reporting limit for the following analytes: 2-Fluorobiphenyl. Please see the applicable QC report for a detailed presentation of the failures.

Laboratory Control Sample: Recoveries out of range were observed for the following analytes: Benzo[a]pyrene. Please see the applicable QC report for a detailed presentation of the failures.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Manual Integration Reason Codes

Reason #1: Data System Fails to Select Correct Peak In some cases the chromatography system selects and integrates the 'wrong peak'. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds. This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Managing Director or the QAO will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 22109
Approved By: Mike Cochran

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	8270C	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	8270C	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	8270C	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	8270C	1	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	8270C	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	8270C	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	8270C	1	17-FEB-11

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-01	PrePrep Method:	NONE	Instrument:	HPMS7
Client ID:	SITE #1-TPS-2-16-11-COMP	Prep Method:	3545	Prep Date:	02/18/2011 08:43
Matrix:	Soil	Analytical Method:	8270C	Cal Date:	02/11/2011 16:13
Workgroup Number:	WG357050	Analyst:	CAA	Run Date:	02/21/2011 12:30
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	7M50507
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	2.89	1.45
Acenaphthylene	208-96-8		U	2.89	1.45
Acenaphthene	83-32-9		U	2.89	1.45
Fluorene	86-73-7		U	2.89	1.45
Phenanthrene	85-01-8	1.96	J	2.89	1.45
Anthracene	120-12-7		U	2.89	1.45
Fluoranthene	206-44-0	4.24		2.89	1.45
Pyrene	129-00-0	3.59		2.89	1.45
Benzo(a)anthracene	56-55-3	1.72	J	2.89	1.45
Chrysene	218-01-9	2.30	J	2.89	1.45
Benzo(b)fluoranthene	205-99-2	2.32	J	2.89	1.45
Benzo(k)fluoranthene	207-08-9	2.00	J	2.89	1.45
Benzo(a)pyrene	50-32-8		U	2.89	1.45
Indeno(1,2,3-cd)pyrene	193-39-5	1.46	J	2.89	1.45
Dibenzo(a,h)anthracene	53-70-3		U	2.89	1.45
Benzo(g,h,i)perylene	191-24-2	1.86	J	2.89	1.45
1-Methylnaphthalene	90-12-0		U	2.89	1.45
2-Methylnaphthalene	91-57-6		U	2.89	1.45

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	76.8	35	100	
2-Fluorobiphenyl	66.2	45	105	
p-Terphenyl-d14	93.0	30	125	

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-02	PrePrep Method:	NONE	Instrument:	HPMS7
Client ID:	SITE #1-2-16-11-DUP	Prep Method:	3545	Prep Date:	02/18/2011 08:43
Matrix:	Soil	Analytical Method:	8270C	Cal Date:	02/11/2011 16:13
Workgroup Number:	WG357050	Analyst:	CAA	Run Date:	02/21/2011 13:53
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	7M50510
Sample Tag:	01	Units:	ug/kg	Percent Solid:	85.5

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	2.89	1.45
Acenaphthylene	208-96-8		U	2.89	1.45
Acenaphthene	83-32-9		U	2.89	1.45
Fluorene	86-73-7		U	2.89	1.45
Phenanthrene	85-01-8	1.90	J	2.89	1.45
Anthracene	120-12-7		U	2.89	1.45
Fluoranthene	206-44-0	5.00		2.89	1.45
Pyrene	129-00-0	4.34		2.89	1.45
Benzo(a)anthracene	56-55-3	2.21	J	2.89	1.45
Chrysene	218-01-9	2.69	J	2.89	1.45
Benzo(b)fluoranthene	205-99-2	3.26		2.89	1.45
Benzo(k)fluoranthene	207-08-9	2.24	J	2.89	1.45
Benzo(a)pyrene	50-32-8	2.46	J	2.89	1.45
Indeno(1,2,3-cd)pyrene	193-39-5	1.76	J	2.89	1.45
Dibenzo(a,h)anthracene	53-70-3		U	2.89	1.45
Benzo(g,h,i)perylene	191-24-2	2.18	J	2.89	1.45
1-Methylnaphthalene	90-12-0		U	2.89	1.45
2-Methylnaphthalene	91-57-6		U	2.89	1.45

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	66.7	35	100	
2-Fluorobiphenyl	60.4	45	105	
p-Terphenyl-d14	87.1	30	125	

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 12:58**
File ID: **7M50508**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3	35.5		2.92	1.46
Acenaphthylene	208-96-8	29.2		2.92	1.46
Acenaphthene	83-32-9	31.5		2.92	1.46
Fluorene	86-73-7	33.9		2.92	1.46
Phenanthrene	85-01-8	46.4		2.92	1.46
Anthracene	120-12-7	46.9		2.92	1.46
Fluoranthene	206-44-0	58.5		2.92	1.46
Pyrene	129-00-0	52.8		2.92	1.46
Benzo(a)anthracene	56-55-3	49.0		2.92	1.46
Chrysene	218-01-9	48.1		2.92	1.46
Benzo(b)fluoranthene	205-99-2	53.6		2.92	1.46
Benzo(k)fluoranthene	207-08-9	38.3		2.92	1.46
Benzo(a)pyrene	50-32-8	48.9		2.92	1.46
Indeno(1,2,3-cd)pyrene	193-39-5	46.2		2.92	1.46
Dibenzo(a,h)anthracene	53-70-3	46.1		2.92	1.46
Benzo(g,h,i)perylene	191-24-2	47.5		2.92	1.46
1-Methylnaphthalene	90-12-0	35.0		2.92	1.46
2-Methylnaphthalene	91-57-6	38.3		2.92	1.46

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	70.0	35	100	
2-Fluorobiphenyl	62.2	45	105	
p-Terphenyl-d14	95.7	30	125	

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-04**
Client ID: **SITE #1-2-16-11-MSD**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 13:25**
File ID: **7M50509**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3	33.6		2.92	1.46
Acenaphthylene	208-96-8	30.0		2.92	1.46
Acenaphthene	83-32-9	32.6		2.92	1.46
Fluorene	86-73-7	36.7		2.92	1.46
Phenanthrene	85-01-8	48.5		2.92	1.46
Anthracene	120-12-7	50.4		2.92	1.46
Fluoranthene	206-44-0	56.2		2.92	1.46
Pyrene	129-00-0	51.5		2.92	1.46
Benzo(a)anthracene	56-55-3	48.5		2.92	1.46
Chrysene	218-01-9	48.0		2.92	1.46
Benzo(b)fluoranthene	205-99-2	54.5		2.92	1.46
Benzo(k)fluoranthene	207-08-9	38.3		2.92	1.46
Benzo(a)pyrene	50-32-8	48.3		2.92	1.46
Indeno(1,2,3-cd)pyrene	193-39-5	46.7		2.92	1.46
Dibenzo(a,h)anthracene	53-70-3	47.1		2.92	1.46
Benzo(g,h,i)perylene	191-24-2	47.9		2.92	1.46
1-Methylnaphthalene	90-12-0	34.4		2.92	1.46
2-Methylnaphthalene	91-57-6	37.4		2.92	1.46

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	65.0	35	100	
2-Fluorobiphenyl	63.2	45	105	
p-Terphenyl-d14	98.5	30	125	

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357222**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/L**

Instrument: **HPMS15**
Prep Date: **02/22/2011 08:31**
Cal Date: **02/15/2011 12:28**
Run Date: **02/22/2011 13:29**
File ID: **15M03987**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	0.0568	0.0284
Acenaphthylene	208-96-8		U	0.0568	0.0284
Acenaphthene	83-32-9		U	0.0568	0.0284
Fluorene	86-73-7		U	0.0568	0.0284
Phenanthrene	85-01-8		U	0.0568	0.0284
Anthracene	120-12-7		U	0.0568	0.0284
Fluoranthene	206-44-0		U	0.0568	0.0284
Pyrene	129-00-0		U	0.0568	0.0284
Benzo(a)anthracene	56-55-3		U	0.0568	0.0284
Chrysene	218-01-9		U	0.0568	0.0284
Benzo(b)fluoranthene	205-99-2		U	0.0568	0.0284
Benzo(k)fluoranthene	207-08-9		U	0.0568	0.0284
Benzo(a)pyrene	50-32-8		U	0.0568	0.0284
Indeno(1,2,3-cd)pyrene	193-39-5		U	0.0568	0.0284
Dibenzo(a,h)anthracene	53-70-3		U	0.0568	0.0284
Benzo(g,h,i)perylene	191-24-2		U	0.0568	0.0284
1-Methylnaphthalene	90-12-0		U	0.0568	0.0284
2-Methylnaphthalene	91-57-6		U	0.0568	0.0284

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	95.7	35	114	
2-Fluorobiphenyl	99.6	50	110	
p-Terphenyl-d14	103	33	141	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 11:36**
File ID: **7M50505**
Percent Solid: **81.7**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	3.02	1.51
Acenaphthylene	208-96-8		U	3.02	1.51
Acenaphthene	83-32-9		U	3.02	1.51
Fluorene	86-73-7		U	3.02	1.51
Phenanthrene	85-01-8		U	3.02	1.51
Anthracene	120-12-7		U	3.02	1.51
Fluoranthene	206-44-0		U	3.02	1.51
Pyrene	129-00-0		U	3.02	1.51
Benzo(a)anthracene	56-55-3		U	3.02	1.51
Chrysene	218-01-9		U	3.02	1.51
Benzo(b)fluoranthene	205-99-2		U	3.02	1.51
Benzo(k)fluoranthene	207-08-9		U	3.02	1.51
Benzo(a)pyrene	50-32-8		U	3.02	1.51
Indeno(1,2,3-cd)pyrene	193-39-5		U	3.02	1.51
Dibenzo(a,h)anthracene	53-70-3		U	3.02	1.51
Benzo(g,h,i)perylene	191-24-2		U	3.02	1.51
1-Methylnaphthalene	90-12-0		U	3.02	1.51
2-Methylnaphthalene	91-57-6		U	3.02	1.51

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	73.0	35	100	
2-Fluorobiphenyl	66.3	45	105	
p-Terphenyl-d14	92.6	30	125	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357050**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3545**
Analytical Method: **8270C**
Analyst: **CAA**
Dilution: **1**
Units: **ug/kg**

Instrument: **HPMS7**
Prep Date: **02/18/2011 08:43**
Cal Date: **02/11/2011 16:13**
Run Date: **02/21/2011 12:03**
File ID: **7M50506**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Naphthalene	91-20-3		U	3.12	1.56
Acenaphthylene	208-96-8		U	3.12	1.56
Acenaphthene	83-32-9		U	3.12	1.56
Fluorene	86-73-7		U	3.12	1.56
Phenanthrene	85-01-8		U	3.12	1.56
Anthracene	120-12-7		U	3.12	1.56
Fluoranthene	206-44-0		U	3.12	1.56
Pyrene	129-00-0		U	3.12	1.56
Benzo(a)anthracene	56-55-3		U	3.12	1.56
Chrysene	218-01-9		U	3.12	1.56
Benzo(b)fluoranthene	205-99-2		U	3.12	1.56
Benzo(k)fluoranthene	207-08-9		U	3.12	1.56
Benzo(a)pyrene	50-32-8		U	3.12	1.56
Indeno(1,2,3-cd)pyrene	193-39-5		U	3.12	1.56
Dibenzo(a,h)anthracene	53-70-3		U	3.12	1.56
Benzo(g,h,i)perylene	191-24-2		U	3.12	1.56
1-Methylnaphthalene	90-12-0		U	3.12	1.56
2-Methylnaphthalene	91-57-6		U	3.12	1.56

Surrogate	% Recovery	Lower	Upper	Qual
Nitrobenzene-d5	68.7	35	100	
2-Fluorobiphenyl	62.2	45	105	
p-Terphenyl-d14	101	30	125	

U Analyte was not detected. The concentration is below the reported LOD.

2.1.1.2 QC Summary Data

Example 8270 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

RF = [(Ax) (Cis)] / [(Ais) (Cx)]

where:

	Example
Ax = Area of the characteristic ion for the compound being measured:	1261197
Cis = Concentration of the specific internal standard (ug/mL)	40
Ais = Area of the characteristic ion of the specific internal standard	608044
Cx = Concentration of the compound in the standard being measured (ug/mL)	50
RF = Calculated Response Factor	**1.65935**

2.0 Calculating the concentration (C) of a compound in water using the data from the prep log and quantitation report: *

Cx = [(Ax) (Cis) (Vf) (D)] / [(Ais) (RF) (Vi)]

where:

	Example
Ax = Area of the characteristic ion for the compound being measured	367250
Cis = Concentration of the specific internal standard (ug/mL)	40
Vf = Final volume of sample extract from prep log (mL)	1
D = Dilution factor for sample as a multiplier (10x = 10)	1
Ais = Area of the characteristic ion of the specific internal standard	511641
RF = Average RF from the ICAL	1.65935
Vi = Initial volume of sample extracted from prep log (mL)	1021
Cx = Concentration of the compound in the sample being measured (ug/mL)	0.016947
Cx = Concentration of the compound in the sample being measured (ug/L)	**16.947**

3.0 Calculating the concentration (C) of a compound in soil using the data from the prep log and quantitation report: *

Cx = [(Ax) (Cis) (Vf) (D)] / [(Ais) (RF) (Wi)]

where:

	Example
Ax = Area of the characteristic ion for the compound being measured	367250
Cis = Concentration of the specific internal standard (ug/mL)	40
Vf = Final volume of sample extract from prep log (mL)	1
D = Dilution factor for sample as a multiplier (10x = 10)	1
Ais = Area of the characteristic ion of the specific internal standard	511641
RF = Average RF from the ICAL	1.65935
Wi = Initial weight of sample extracted (g) from prep log	30
Cx = Concentration of the compound in the sample being measured (ug/g)	0.576763
Cx = Concentration of the compound in the sample being measured (ug/kg)	**576.7627**

Dry weight correction:

Percent solids (PCT_S)	50
Cd = (Cx) (100)/PCT_S	**1153.525** ug/kg

* Concentrations appearing on the instrument quantitation reports are on-column results and do not take into account initial volume, final volume, and the dilution factor.

4.0 Concentration from Linear Regression

Step 1: Retrieve Curve Data From Plot, y = mx + b

y = response ratio = response of analyte / response of IS = Ax/Ais

x = amount ratio = concentration analyte/concentration internal standard = Cx / Cis

m = slope from curve plot

b = intercept from curve plot

Step 2: Calculate y from Quantitation Report

y = 16790/784838 = 0.02139

Step 3: Solve for x

x = (y - b)/m = [(0.02139 -(- 0.0435)]/ 0.0783 = 0.829

Step 4: Solve for analyte concentration Cx

Cx = Cis (x) = (25.0)(0.829) = 20.72 ug/L

Example Spreadsheet Calculation:

Slope from curve, m:	0.0783	
Intercept from curve, b:	-0.0435	
Area of analyte, Ax:	16790	
Area of Internal Standard , Ais:	784484	
Concentration of IS, Cis	25.00	ug/L
Response Ratio (y) :	0.021403	
Amount Ratio:	0.828897	
Concentration (Cx):	20.72241	ug/L

5.0 Concentration from Quadratic Regression

Step 1 - Retrieve Curve Data from Plot, y = Ax^2 + Bx + C
Where:
Ax^2 + Bx + (C - y) = 0
A, B, C = constants from the ICAL quadratic regression
y = Response ratio = Area of analyte/Area of internal standard (IS)
x = Amount ratio = Concentration of analyte/concentration of IS

Step 2: Calculate y from Quantitation Report

y = Ax/Ais

Step 3: Solve for x using the quadratic formula
Ax^2 + Bx + C - y = 0

$$x = \frac{b \pm \sqrt{\left(b^2 - 4a(c - y)\right)}}{2a}$$ (Two possible solutions)

Step 4: Solve for analyte concentration Cx

Cx = (Cis)(Amount ratio)

Example Spreadsheet Calculation:

Value of A from plot:	**0.0259**	
Value of B from plot:	**0.0596**	
Value of C from plot:	**-0.0165**	
Area of analyte from quantitation report:	**203233**	
Area of IS from quantiation report:	**1425653**	
Response ratio, y:	**0.142554**	
C - y:	**-0.15905**	
Root 1 - Computed amount ratio , X1:	**-3.88278**	
Root 2 - Computed amount ratio , X2:	**1.581623**	use this solution
Concentration of IS, Cis:	**40.00**	
Concentration of analyte, Cx:	**63.26**	ug/L

Microbac Laboratories Inc.
Sample Extract Log

Workgroup: WG356898
Analyst: CAF
Spike Analyst: CAF
Method: 3545
Run Date: 02/18/2011 08:43
SOP: ASE01 Revison 8
Spike Witness: CPD
Surr Solution: STD42350

Methylene Chloride Lot #: COA15249
Purified Lab Sand Lot #: COA14882
Diatomaceous Earth Lot #: COA14693
Sodium Sulfate,Anhydrous,Granular (Lot #: COA14988

	SAMPLE #	Type	Reference	pH	Prod	Init Amnt	Surr Amnt	Spike Amnt	Spike Sol	Final Vol	Color
1	L11020447-01	RS01			827-PAHL	20.58 g	.25 mL			1 mL	Colored
2	L11020447-02	SAMP			827-PAHL	20.22 g	.25 mL			1 mL	Colored
3	L11020447-03	MS01	L11020447-01		827-PAHL	20.38 g	.25 mL	1 mL	STD43935	1 mL	Colored
4	L11020447-04	SD01	L11020447-01		827-PAHL	20.38 g	.25 mL	1 mL	STD43935	1 mL	Colored
5	L11020447-06	SAMP			827-PAHL	20.3 g	.25 mL			1 mL	Colored
6	L11020447-07	SAMP			827-PAHL	20.3 g	.25 mL			1 mL	Colored
7	WG356898-01	REF	L11020447-01		827-PAHL	20.58 g	.25 mL			1 mL	Colored
8	WG356898-02	BLANK			827-PAHL	20 g	.25 mL			1 mL	Transparent
9	WG356898-03	LCS			827-PAHL	20 g	.25 mL	1 mL	STD43935	1 mL	Transparent
10	WG356898-04	MS	L11020447-01		827-PAHL	20.38 g	.25 mL	1 mL	STD43935	1 mL	Colored
11	WG356898-05	MSD	L11020447-01		827-PAHL	20.38 g	.25 mL	1 mL	STD43935	1 mL	Colored

Analyst: Cheryl A. Flowers

Reviewer:

EXTRACT - Modified 10/22/2008
PDF ID: 1923814
Report generated: 02/18/2011 16:01

Microbac Laboratories Inc.
Sample Extract Log

Workgroup: WG357148
Analyst: CAF
Spike Analyst: CAF
Method: 3510C
Run Date: 02/22/2011 08:31
SOP: EXA01 Revison 15
Spike Witness: CSH
Surr Solution: STD42350

Methylene Chloride Lot #: COA15195
Fortified Solution Lot #: RGT15799
Sodium Sulfate,Anhydrous,Granular (Lot #: COA15226

	SAMPLE #	Type	Reference	pH	Prod	Init Amnt	Surr Amnt	Spike Amnt	Spike Sol	Final Vol	Color
1	L11020447-05	SAMP		N	827-PAHL	880 mL	.25 mL			1 mL	Transparent
2	WG357148-01	BLANK		N	827-PAHL	1000 mL	.25 mL			1 mL	Transparent
3	WG357148-02	LCS		N	827-PAHL	1000 mL	.25 mL	1 mL	STD43935	1 mL	Transparent
4	WG357148-03	LCS2		N	827-PAHL	1000 mL	.25 mL	1 mL	STD43935	1 mL	Transparent

Analyst: Cheryl A. Flowers

Reviewer: Chadwick Davis

EXTRACT - Modified 10/22/2008
PDF ID: 1925471
Report generated: 02/22/2011 11:10

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS7 Dataset: 021111
Analyst1: CAA Analyst2: NA
Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36416 Syringe Filter Lot#:

Column 1 ID: RXI-5MS Column 2 ID: NA
Workgroups: WG356308, WG356011, WG356012

CCV Std: LCS STD:
Internal STD: COA14927 Surrogate STD: NA Calibration STD:

Comments: Ran ICAL due to last 3 compounds failing high.
ICAL:#22 Benzo[k]fluoranthene only calibrated to 5ppm.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	7M50408	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 07:31
2	7M50409	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 07:51
3	7M50410	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 08:06
4	7M50411	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 08:24
5	7M50412	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 08:40
6	7M50413	WG356259-02 1ppm PAHL STD	1	1	STD41768	02/11/11 08:57
7	7M50414	10PPM STD CHECK	1	1	STD41768	02/11/11 09:24
8	7M50415	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 12:48
9	7M50416	WG356259-01 5ppm DFTPP	1	1	STD41383	02/11/11 13:13
10	7M50417	WG356259-02 1ppm PAHL STD	1	1	STD41768	02/11/11 13:30
11	7M50418	WG356259-03 10ppm PAHL STD	1	1	STD41768	02/11/11 13:57
12	7M50419	WG356259-04 5ppm PAHL STD	1	1	STD41768	02/11/11 14:25
13	7M50420	WG356259-05 2.5ppm PAHL STD	1	1	STD41768	02/11/11 14:52
14	7M50421	WG356259-06 0.5ppm PAHL STD	1	1	STD41768	02/11/11 15:19
15	7M50422	WG356259-07 0.1ppm PAHL STD	1	1	STD41768	02/11/11 15:46
16	7M50423	WG356259-08 0.05ppm PAHL STD	1	1	STD41768	02/11/11 16:13
17	7M50424	WG356259-09 1ppm PAHL Alt Src STD	1	1	STD43326	02/11/11 16:41
18	7M50425	WG356163-01 BLK 02/10	1	1		02/11/11 17:08
19	7M50426	WG356163-02 LCS 02/10	1	1		02/11/11 17:36
20	7M50427	WG356163-03 LCS DUP 02/10	1	1		02/11/11 18:03
21	7M50428	L11020204-01	1	1		02/11/11 18:30
22	7M50429	L11020053-01 RE	1	1		02/11/11 18:57
23	7M50430	L11020223-01	1	1		02/11/11 19:24
24	7M50431	L11020165-01	1	1		02/11/11 19:51
25	7M50432	L11020124-15	7	1	SOIL	02/11/11 20:18
26	7M50433	L11020124-16	7	1	SOIL	02/11/11 20:45
27	7M50434	L11020124-17	7	1	SOIL	02/11/11 21:12
28	7M50435	L11020124-18	7	1	SOIL	02/11/11 21:39
29	7M50436	L11020124-19	7	1	SOIL	02/11/11 22:06
30	7M50437	L11020124-21 REF	7	1	SOIL	02/11/11 22:32
31	7M50438	L11020124-35 MS	7	1	SOIL	02/11/11 22:59
32	7M50439	L11020124-36 MSD	7	1	SOIL	02/11/11 23:26
33	7M50440	L11020118-01 200X	1	200		02/11/11 23:53
34	7M50441	L11020118-05 10X	1	10		02/12/11 00:19

Page: 1 Approved: 14-FEB-11

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS7 Dataset: 021111

Analyst1: CAA Analyst2: NA

Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36416 Syringe Filter Lot#:

Column 1 ID: RXI-5MS Column 2 ID: NA

Workgroups: WG356308, WG356011, WG356012

CCV Std: LCS STD:

Internal STD: COA14927 Surrogate STD: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
1	X			
	WG356259-01 5ppm DFTPP - Filament bad.			
2	X			
	WG356259-01 5ppm DFTPP - Tune failed.			
3	X			
	WG356259-01 5ppm DFTPP - Not enough std to inject.			
4	X			
	WG356259-01 5ppm DFTPP - Tune failed.			
6				
	WG356259-02 1ppm PAHL STD - Retention times need adjusted.			
8	X			
	WG356259-01 5ppm DFTPP - Tune failed.			
18				
	WG356163-01 BLK 02/10 - Phenanthrene >RL.			
19				
	WG356163-02 LCS 02/10 - 5 compounds high (DoD), 1 compound high (STD).			
20				
	WG356163-03 LCS DUP 02/10 - 6 compounds high (DoD), 1 compound high (STD).			
21				
	L11020204-01			
22				
	L11020053-01 RE - phenanthene >RL; QNS for 2nd re-extract.			
23				
	L11020223-01 - Phenanthrene >RL, needs re-extracted.			
24				
	L11020165-01 - Phenanthrene >RL, needs re-extracted.			
27				
	L11020124-17 - SS FBP low, needs re-extracted.			
34				
	L11020118-05 10X - SS NBZ high; Sample was analyzed at a dilution due to the extracts' dark color and viscosity.			

Page: 2 Approved: 14-FEB-11

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS15 Dataset: 021511
Analyst1: CAA Analyst2: NA
Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36452 Syringe Filter Lot#:

Column 1 ID: RXI-5MS Column 2 ID: NA

Workgroups: WG356524

CCV Std: LCS STD:
Internal STD: COA14927 Surrogate STD: NA Calibration STD:

Comments: Ran ICAL due to new column.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	15M03931	BAKEOUT	1	1		02/15/11 07:56
2	15M03932	10PPM STD CHECK	1	1		02/15/11 08:24
3	15M03933	WG356529-01 5ppm DFTPP STD	1	1	STD41383	02/15/11 08:57
4	15M03934	WG356529-01 5ppm DFTPP STD	1	1	STD41383	02/15/11 09:19
5	15M03935	WG356529-02 1ppm PAHL STD	1	1	STD41768	02/15/11 09:38
6	15M03936	WG356529-03 10ppm PAHL STD	1	1	STD41768	02/15/11 10:06
7	15M03937	WG356529-04 5ppm PAHL STD	1	1	STD41768	02/15/11 10:34
8	15M03938	WG356529-05 2.5ppm PAHL STD	1	1	STD41768	02/15/11 11:02
9	15M03939	WG356529-06 0.5ppm PAHL STD	1	1	STD41768	02/15/11 11:30
10	15M03940	WG356529-07 0.1ppm PAHL STD	1	1	STD41768	02/15/11 11:59
11	15M03941	WG356529-08 0.05ppm PAHL STD	1	1	STD41768	02/15/11 12:28
12	15M03942	WG356529-09 1ppm PAHL Alt Src STD	1	1	STD43326	02/15/11 12:56
13	15M03943	WG356462-01 BLK 02/14	7	1	SOIL	02/15/11 13:24
14	15M03944	WG356462-02 LCS 02/14	7	1	SOIL	02/15/11 13:52
15	15M03945	WG356462-03 LCS DUP 02/14	7	1	SOIL	02/15/11 14:21
16	15M03946	L11020314-24 827-PAHL	7	1	SOIL	02/15/11 14:50
17	15M03947	L11020314-25 827-PAHL	7	1	SOIL	02/15/11 15:18
18	15M03948	L11020314-26 827-PAHL	7	1	SOIL	02/15/11 15:46
19	15M03949	L11020314-27 827-PAHL	7	1	SOIL	02/15/11 16:14
20	15M03950	L11020314-28 827-PAHL	7	1	SOIL	02/15/11 16:42
21	15M03951	L11020314-21 827-PAHL	7	1	SOIL	02/15/11 17:10
22	15M03952	L11020314-23 827-PAHL	7	1	SOIL	02/15/11 17:38
23	15M03953	L11020314-22 827-PAHL	7	1	SOIL	02/15/11 18:06
24	15M03954	L11020124-17 RE 827-PAHL	7	1	SOIL	02/15/11 18:33

Comments

Seq.	Rerun	Dil.	Reason	Analytes
3	X			
	WG356529-01 5ppm DFTPP STD - Tune failed.			
16				
	L11020314-24 827-PAHL - SS FBP low, needs re-extracted.			
17				
	L11020314-25 827-PAHL - SS FBP low, needs re-extracted.			
22				

Page: 1 Approved: 16-FEB-11

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS15 Dataset: 021511

Analyst1: CAA Analyst2: NA

Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36452 Syringe Filter Lot#:

Column 1 ID: RXI-5MS Column 2 ID: NA

Workgroups: WG356524

CCV Std: LCS STD:

Internal STD: COA14927 Surrogate STD: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
			L11020314-23 827-PAHL - SS FBP low, needs re-extracted.	

Approved: 16-FEB-11

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS7 Dataset: 022111
Analyst1: CAA Analyst2: NA
Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36510 Syringe Filter Lot#:
Column 1 ID: RXI-5MS Column 2 ID: NA
Workgroups: WG357050, WG357127

CCV Std: LCS STD:
Internal STD: COA14927 Surrogate STD: NA Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	7M50496	WG357051-01 5ppm DFTPP	1	1	STD41383	02/21/11 06:59
2	7M50497	WG357051-02 1ppm PAHL STD	1	1	STD41768	02/21/11 07:16
3	7M50498	WG357051-02 1ppm PAHL STD	1	1	STD41768	02/21/11 07:43
4	7M50499	10ppm PAHL STD check	1	1	STD41768	02/21/11 09:02
5	7M50500	WG357051-01 5ppm DFTPP	1	1	STD41383	02/21/11 09:29
6	7M50501	WG357051-02 1ppm PAHL STD	1	1	STD41768	02/21/11 09:46
7	7M50502	WG357051-02 1ppm PAHL STD	1	1	STD41768	02/21/11 10:14
8	7M50503	WG356898-02 BLK 02/18	7	1	SOIL	02/21/11 10:41
9	7M50504	WG356898-03 LCS 02/18	7	1	SOIL	02/21/11 11:08
10	7M50505	L11020447-06	7	1	SOIL	02/21/11 11:36
11	7M50506	L11020447-07	7	1	SOIL	02/21/11 12:03
12	7M50507	L11020447-01 REF	7	1	SOIL	02/21/11 12:30
13	7M50508	L11020447-03 MS	7	1	SOIL	02/21/11 12:58
14	7M50509	L11020447-04 MSD	7	1	SOIL	02/21/11 13:25
15	7M50510	L11020447-02	7	1	SOIL	02/21/11 13:53
16	7M50511	WG357056-02 BLK 02/21	7	1	SOIL	02/21/11 14:31
17	7M50512	WG357056-03 LCS 02/21	7	1	SOIL	02/21/11 14:59
18	7M50513	L11020527-02	7	1	SOIL	02/21/11 15:26
19	7M50514	L11020527-05	7	1	SOIL	02/21/11 15:53
20	7M50515	L11020506-04	7	1	SOIL	02/21/11 16:21
21	7M50516	L11020527-04	7	1	SOIL	02/21/11 16:48
22	7M50517	L11020527-01	7	1	SOIL	02/21/11 17:15
23	7M50518	L11020527-03 5X	7	5	SOIL	02/21/11 17:42
24	7M50519	L11020506-01 REF 20X	7	20	SOIL	02/21/11 18:09
25	7M50520	L11020506-02 MS 20X	7	20	SOIL	02/21/11 18:37
26	7M50521	L11020506-03 MSD 20X	7	20	SOIL	02/21/11 19:04

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2	X			
	WG357051-02 1ppm PAHL STD - SS NBZ fails low.			
3	X			
	WG357051-02 1ppm PAHL STD - SS NBZ fails low.			
4				

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS7 Dataset: 022111

Analyst1: CAA Analyst2: NA

Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36510 Syringe Filter Lot#:

Column 1 ID: RXI-5MS Column 2 ID: NA

Workgroups: WG357050, WG357127

CCV Std: LCS STD:

Internal STD: COA14927 Surrogate STD: NA

Comments

Seq.	Rerun	Dil.	Reason	Analytes
	10ppm PAHL STD check - Retention time check.			
6	X			
	WG357051-02 1ppm PAHL STD - CCV passes, rerun for DoD4.			
8				
	WG356898-02 BLK 02/18 - SS FBP low.			
16				
	WG357056-02 BLK 02/21 - SS TPH high (AF40).			
23	X	50	Over Calibration Range	#14, 16, 18, 19, 21, 22, 23, 24, 26
	L11020527-03 5X - Sample was analyzed at a dilution due to the extracts' dark color and viscosity.			
24				
	L11020506-01 REF 20X - Sample was analyzed at a dilution due to the extracts' dark color and viscosity.			
25				
	L11020506-02 MS 20X - Sample was analyzed at a dilution due to the extracts' dark color and viscosity.			
26				
	L11020506-03 MSD 20X - Sample was analyzed at a dilution due to the extracts' dark color and viscosity.			

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HPMS15 Dataset: 022211
Analyst1: CAA Analyst2: NA
Method: 8270L SOP: MSS03 Rev: 9

Maintenance Log ID: 36522 Syringe Filter Lot#:

Column 1 ID: RXI-5MS Column 2 ID: NA

Workgroups: WG357222

CCV Std: LCS STD:
Internal STD: COA14927 Surrogate STD: NA Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	15M03982	WG357220-01 5ppm DFTPP STD	1	1	STD41383	02/22/11 11:20
2	15M03983	WG357220-02 1ppm PAHL STD	1	1	STD41768	02/22/11 11:38
3	15M03984	WG357148-01 BLK 02/22	1	1		02/22/11 12:06
4	15M03985	WG357148-02 LCS 02/22	1	1		02/22/11 12:34
5	15M03986	WG357148-03 LCS DUP 02/22	1	1		02/22/11 13:02
6	15M03987	L11020447-05 827-PAHL	1	1		02/22/11 13:29

Comments

Seq.	Rerun	Dil.	Reason	Analytes
5				
	WG357148-03 LCS DUP 02/22 - 1 compound high.			

Page: 1 Approved: 24-FEB-11

Microbac Laboratories Inc.

Data Checklist

Date: 11-FEB-2011
Analyst: CAA
Analyst: NA
Method: 8270L
Instrument: HPMS7
Curve Workgroup: NA
Runlog ID: 38991
Analytical Workgroups: L11020204, 020053, 020223, 020165, 020124, 020118

ANALYTICAL	
System Performance Check	X
DFTPP (MS)	X
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	X
Average RF	X
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	X
Continuing Calibration (CCV)	NA
% D/% Drift	NA
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	X
Recoveries	X
%RPD	X
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	X
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	NA
Reruns	X
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	CAA
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
14-FEB-2011

Secondary Reviewer:
14-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-14-2011 10:27:57

Microbac Laboratories Inc.

Data Checklist

Date: 15-FEB-2011
Analyst: CAA
Analyst: NA
Method: 8270L
Instrument: HPMS15
Curve Workgroup: NA
Runlog ID: 39037
Analytical Workgroups: L11020314, L11020124

ANALYTICAL	
System Performance Check	X
DFTPP (MS)	X
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	X
Average RF	X
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	X
Continuing Calibration (CCV)	NA
% D/% Drift	NA
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	NA
Recoveries	NA
%RPD	NA
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	X
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	NA
Reruns	NA
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	CAA
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
16-FEB-2011

Secondary Reviewer:
16-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-16-2011 10:23:21

Microbac Laboratories Inc.

Data Checklist

Date: 21-FEB-2011
Analyst: CAA
Analyst: NA
Method: 8270L
Instrument: HPMS7
Curve Workgroup: NA
Runlog ID: 39136
Analytical Workgroups: L11020447, L11020527, L11020506

ANALYTICAL	
System Performance Check	X
DFTPP (MS)	X
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	NA
Average RF	NA
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	NA
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	X
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	X
Recoveries	X
%RPD	X
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	X
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	X
Reruns	NA
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	CAA
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
22-FEB-2011

Secondary Reviewer:
22-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-22-2011 15:06:12

Microbac Laboratories Inc.

Data Checklist

Date: 22-FEB-2011
Analyst: CAA
Analyst: NA
Method: 8270L
Instrument: HPMS15
Curve Workgroup: NA
Runlog ID: 39153
Analytical Workgroups: L11020447

ANALYTICAL	
System Performance Check	X
DFTPP (MS)	X
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	NA
Average RF	NA
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	NA
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	X
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	NA
Recoveries	NA
%RPD	NA
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	X
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	NA
Reruns	NA
Manual integrations	NA
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	CAA
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
22-FEB-2011

Secondary Reviewer:
24-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-24-2011 12:18:18

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8270C

AAB#: WG357050

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/18/11	1.9	14		02/21/11	3.2	40	
SITE #1-2-16-11-DUP	02	02/16/11					02/18/11	1.9	14		02/21/11	3.2	40	
SITE #1-2-16-11-MS	03	02/16/11					02/18/11	1.9	14		02/21/11	3.2	40	
SITE #1-2-16-11-MSD	04	02/16/11					02/18/11	1.9	14		02/21/11	3.2	40	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/18/11	1.8	14		02/21/11	3.1	40	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/18/11	1.8	14		02/21/11	3.1	40	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1928596
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 8270C AAB#: WG357222

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-2-16-11-FB	05	02/16/11					02/22/11	5.8	7		02/22/11	.2	40	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1928596
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.
SURROGATE STANDARDS

Login Number: L11020447
Instrument Id: HPMS7
Workgroup (AAB#): WG357050

Method: 8270L
CAL ID: HPMS7-11-FEB-11
Matrix: Soil

Sample Number	Dilution	Tag	1	2	3
L11020447-01	1.00	01	66.2	76.8	93.0
L11020447-02	1.00	01	60.4	66.7	87.1
L11020447-03	1.00	01	62.2	70.0	95.7
L11020447-04	1.00	01	63.2	65.0	98.5
L11020447-06	1.00	01	66.3	73.0	92.6
L11020447-07	1.00	01	62.2	68.7	101
WG356898-02	1.00	01	41.0	37.2	56.0
WG356898-03	1.00	01	66.5	68.9	98.3

Surrogates	Surrogate Limits		
1 - 2-Fluorobiphenyl	45	-	105
2 - Nitrobenzene-d5	35	-	100
3 - p-Terphenyl-d14	30	-	125

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

SURROGATES - Modified 03/06/2008
PDF File ID: 1925133
Report generated: 02/24/2011 13:15

Microbac Laboratories Inc.
SURROGATE STANDARDS

Login Number: L11020447
Instrument Id: HPMS15
Workgroup (AAB#): WG357222

Method: 8270L
CAL ID: HPMS15-15-FEB-11
Matrix: Water

Sample Number	Dilution	Tag	1	2	3
L11020447-05	1.00	01	99.6	95.7	103
WG357148-01	1.00	01	95.6	96.0	118
WG357148-02	1.00	01	76.9	76.0	117
WG357148-03	1.00	01	100	99.9	122

Surrogates	Surrogate Limits		
1 - 2-Fluorobiphenyl	50	-	110
2 - Nitrobenzene-d5	35	-	114
3 - p-Terphenyl-d14	33	-	141

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

SURROGATES - Modified 03/06/2008
PDF File ID: 1925133
Report generated: 02/24/2011 13:15

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG357050
Blank File ID: 7M50503
Blank Sample ID: WG356898-02
Prep Date: 02/18/11 08:43
Instrument ID: HPMS7
Analyzed Date: 02/21/11 10:41
Method: 8270C
Analyst: CAA

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356898-03	7M50504	02/21/11 11:08	01
SITE #1-2-16-11-CLAY-C	L11020447-06	7M50505	02/21/11 11:36	01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	7M50506	02/21/11 12:03	01
SITE #1-TPS-2-16-11-COMP	L11020447-01	7M50507	02/21/11 12:30	01
SITE #1-2-16-11-MS	L11020447-03	7M50508	02/21/11 12:58	01
SITE #1-2-16-11-MSD	L11020447-04	7M50509	02/21/11 13:25	01
SITE #1-2-16-11-DUP	L11020447-02	7M50510	02/21/11 13:53	01

Report Name: BLANK_SUMMARY
PDF File ID: 1928597
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number:	L11020447	Work Group:	WG357222
Blank File ID:	15M03984	Blank Sample ID:	WG357148-01
Prep Date:	02/22/11 08:31	Instrument ID:	HPMS15
Analyzed Date:	02/22/11 12:06	Method:	8270C
Analyst:	CAA		

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG357148-02	15M03985	02/22/11 12:34	01
LCS2	WG357148-03	15M03986	02/22/11 13:02	01
SITE #1-2-16-11-FB	L11020447-05	15M03987	02/22/11 13:29	01

Report Name: BLANK_SUMMARY
PDF File ID: 1928597
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 08:43 Sample ID: WG356898-02
Instrument ID: HPMS7 Run Date: 02/21/11 10:41 Prep Method: 3545
File ID: 7M50503 Analyst: CAA Method: 8270C
Workgroup (AAB#): WG357050 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HPMS7-11-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Naphthalene	1.25	2.50	1.25	1	U
Acenaphthylene	1.25	2.50	1.25	1	U
Acenaphthene	1.25	2.50	1.25	1	U
Fluorene	1.25	2.50	1.25	1	U
Phenanthrene	1.25	2.50	1.25	1	U
Anthracene	1.25	2.50	1.25	1	U
Fluoranthene	1.25	2.50	1.25	1	U
Pyrene	1.25	2.50	1.25	1	U
Benzo(a)anthracene	1.25	2.50	1.25	1	U
Chrysene	1.25	2.50	1.25	1	U
Benzo(b)fluoranthene	1.25	2.50	1.25	1	U
Benzo(k)fluoranthene	1.25	2.50	1.25	1	U
Benzo(a)pyrene	1.25	2.50	1.25	1	U
Indeno(1,2,3-cd)pyrene	1.25	2.50	1.25	1	U
Dibenzo(a,h)anthracene	1.25	2.50	1.25	1	U
Benzo(g,h,i)perylene	1.25	2.50	1.25	1	U
1-Methylnaphthalene	1.25	2.50	1.25	1	U
2-Methylnaphthalene	1.25	2.50	1.25	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
Nitrobenzene-d5	37.2	35 - 100	PASS
2-Fluorobiphenyl	41.0	45 - 105	FAIL
p-Terphenyl-d14	56.0	30 - 125	PASS

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1925130
24-FEB-2011 13:13

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/22/11 08:31 Sample ID: WG357148-01
Instrument ID: HPMS15 Run Date: 02/22/11 12:06 Prep Method: 3510C
File ID: 15M03984 Analyst: CAA Method: 8270C
Workgroup (AAB#): WG357222 Matrix: Water Units: ug/L
Contract #: Cal ID: HPMS15-15-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Naphthalene	0.0250	0.0500	0.0250	1	U
Acenaphthylene	0.0250	0.0500	0.0250	1	U
Acenaphthene	0.0250	0.0500	0.0250	1	U
Fluorene	0.0250	0.0500	0.0250	1	U
Phenanthrene	0.0250	0.0500	0.0250	1	U
Anthracene	0.0250	0.0500	0.0250	1	U
Fluoranthene	0.0250	0.0500	0.0250	1	U
Pyrene	0.0250	0.0500	0.0250	1	U
Benzo(a)anthracene	0.0250	0.0500	0.0250	1	U
Chrysene	0.0250	0.0500	0.0250	1	U
Benzo(b)fluoranthene	0.0250	0.0500	0.0250	1	U
Benzo(k)fluoranthene	0.0250	0.0500	0.0250	1	U
Benzo(a)pyrene	0.0250	0.0500	0.0250	1	U
Indeno(1,2,3-cd)pyrene	0.0250	0.0500	0.0250	1	U
Dibenzo(a,h)anthracene	0.0250	0.0500	0.0250	1	U
Benzo(g,h,i)perylene	0.0250	0.0500	0.0250	1	U
1-Methylnaphthalene	0.0250	0.0500	0.0250	1	U
2-Methylnaphthalene	0.0250	0.0500	0.0250	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
Nitrobenzene-d5	96.0	35	-	114	PASS
2-Fluorobiphenyl	95.6	50	-	110	PASS
p-Terphenyl-d14	118	33	-	141	PASS

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1925130
24-FEB-2011 13:13

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG356898-03
Instrument ID: HPMS7 Run Time: 11:08 Prep Method: 3545
File ID: 7M50504 Analyst: CAA Method: 8270C
Workgroup (AAB#): WG357050 Matrix: Soil Units: ug/kg
QC Key: DOD4 Lot#: STD43935 Cal ID: HPMS7-11-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Naphthalene	50.0	30.5	61.1	40 - 105	
Acenaphthylene	50.0	26.2	52.4	45 - 105	
Acenaphthene	50.0	29.4	58.8	45 - 110	
Fluorene	50.0	30.3	60.5	50 - 110	
Phenanthrene	50.0	37.0	74.1	50 - 110	
Anthracene	50.0	39.8	79.7	55 - 105	
Fluoranthene	50.0	44.3	88.6	55 - 115	
Pyrene	50.0	42.1	84.2	45 - 125	
Benzo(a)anthracene	50.0	43.1	86.3	50 - 110	
Chrysene	50.0	43.2	86.5	55 - 110	
Benzo(b)fluoranthene	50.0	47.6	95.2	45 - 115	
Benzo(k)fluoranthene	50.0	40.3	80.7	45 - 125	
Benzo(a)pyrene	50.0	46.2	92.4	50 - 110	
Indeno(1,2,3-cd)pyrene	50.0	45.5	91.1	40 - 120	
Dibenzo(a,h)anthracene	50.0	45.4	90.7	40 - 125	
Benzo(g,h,i)perylene	50.0	44.1	88.3	40 - 125	
1-Methylnaphthalene	50.0	31.1	62.2	35 - 100	
2-Methylnaphthalene	50.0	33.1	66.1	45 - 105	

Surrogates	% Recovery	Surrogate Limits	Qualifier
Nitrobenzene-d5	68.9	35 - 100	PASS
2-Fluorobiphenyl	66.5	45 - 105	PASS
p-Terphenyl-d14	98.3	30 - 125	PASS

* EXCEEDS %REC LIMIT

LCS - Modified 03/06/2008
PDF File ID: 1925131
Report generated: 02/24/2011 13:13

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Analyst: CAA Prep Method: 3510C
Instrument ID: HPMS15 Matrix: Water Method: 8270C
Workgroup (AAB#): WG357222 Units: ug/L
QC Key: DOD4 Lot #: STD43935

Sample ID: WG357148-02 LCS File ID: 15M03985 Run Date: 02/22/2011 12:34
Sample ID: WG357148-03 LCS2 File ID: 15M03986 Run Date: 02/22/2011 13:02

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Naphthalene	1.00	0.693	69.3	1.00	0.915	91.5	27.6	40 - 100	30	
Acenaphthylene	1.00	0.754	75.4	1.00	0.975	97.5	25.6	50 - 105	30	
Acenaphthene	1.00	0.737	73.7	1.00	0.947	94.7	25.0	45 - 110	30	
Fluorene	1.00	0.762	76.2	1.00	0.956	95.6	22.5	50 - 110	30	
Phenanthrene	1.00	0.881	88.1	1.00	0.993	99.3	12.0	50 - 115	30	
Anthracene	1.00	0.972	97.2	1.00	1.10	110	12.7	55 - 110	30	
Fluoranthene	1.00	0.989	98.9	1.00	1.05	105	6.00	55 - 115	30	
Pyrene	1.00	1.02	102	1.00	1.07	107	4.65	50 - 130	30	
Benzo(a)anthracene	1.00	1.02	102	1.00	1.06	106	3.69	55 - 110	30	
Chrysene	1.00	1.05	105	1.00	1.09	109	3.50	55 - 110	30	
Benzo(b)fluoranthene	1.00	1.05	105	1.00	1.11	111	5.65	45 - 120	30	
Benzo(k)fluoranthene	1.00	1.06	106	1.00	1.10	110	4.02	45 - 125	30	
Benzo(a)pyrene	1.00	1.09	109	1.00	1.15	115	5.15	55 - 110	30	*
Indeno(1,2,3-cd)pyrene	1.00	1.01	101	1.00	1.06	106	4.81	45 - 125	30	
Dibenzo(a,h)anthracene	1.00	0.977	97.7	1.00	1.03	103	5.73	40 - 125	30	
Benzo(g,h,i)perylene	1.00	0.989	98.9	1.00	1.05	105	5.59	40 - 125	30	
1-Methylnaphthalene	1.00	0.641	64.1	1.00	0.860	86.0	29.1	31 - 111	30	
2-Methylnaphthalene	1.00	0.695	69.5	1.00	0.912	91.2	26.9	45 - 105	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Nitrobenzene-d5	76.0	99.9	35 - 114	PASS
2-Fluorobiphenyl	76.9	100	50 - 110	PASS
p-Terphenyl-d14	117	122	33 - 141	PASS

* EXCEEDS %REC LIMIT
# EXCEEDS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1925674
Report generated: 02/24/2011 13:13

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11020447 Cal ID:HPMS7- 11-FEB-11 Worknum:WG357050

Instrument ID:HPMS7 Contract #: Prep Method:3545

Parent ID:L11020447-01 File ID:7M50507 Dil:1 Method:8270C

Sample ID:L11020447-03 MS File ID:7M50508 Dil:1 Matrix:Soil

Sample ID:L11020447-04 MSD File ID:7M50509 Dil:1 Units:ug/kg

Percent Solid:84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Naphthalene	U	58.4	35.5	60.9	58.4	33.6	57.6	5.50	40 - 105	30	
Acenaphthylene	U	58.4	29.2	49.9	58.4	30.0	51.4	2.84	45 - 105	30	
Acenaphthene	U	58.4	31.5	53.9	58.4	32.6	55.9	3.55	45 - 110	30	
Fluorene	U	58.4	33.9	58.1	58.4	36.7	62.8	7.73	50 - 110	30	
Phenanthrene	1.96	58.4	46.4	76.1	58.4	48.5	79.7	4.45	50 - 110	30	
Anthracene	U	58.4	46.9	80.2	58.4	50.4	86.3	7.34	55 - 105	30	
Fluoranthene	4.24	58.4	58.5	92.9	58.4	56.2	88.9	4.02	55 - 115	30	
Pyrene	3.59	58.4	52.8	84.2	58.4	51.5	82	2.45	45 - 125	30	
Benzo(a)anthracene	1.72	58.4	49.0	80.9	58.4	48.5	80.1	0.877	50 - 110	30	
Chrysene	2.30	58.4	48.1	78.3	58.4	48.0	78.2	0.123	55 - 110	30	
Benzo(b)fluoranthene	2.32	58.4	53.6	87.8	58.4	54.5	89.3	1.61	45 - 115	30	
Benzo(k)fluoranthene	2.00	58.4	38.3	62.2	58.4	38.3	62.1	0.0455	45 - 125	30	
Benzo(a)pyrene	U	58.4	48.9	83.6	58.4	48.3	82.8	1.04	50 - 110	30	
Indeno(1,2,3-cd)pyrene	U	58.4	46.2	79	58.4	46.7	80	1.19	40 - 120	30	
Dibenzo(a,h)anthracene	U	58.4	46.1	78.9	58.4	47.1	80.7	2.23	40 - 125	30	
Benzo(g,h,i)perylene	1.86	58.4	47.5	78.1	58.4	47.9	78.9	0.941	40 - 125	30	
1-Methylnaphthalene	U	58.4	35.0	59.9	58.4	34.4	58.9	1.55	35 - 100	30	
2-Methylnaphthalene	U	58.4	38.3	65.5	58.4	37.4	64	2.36	45 - 105	30	

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008

PDF File ID: 1925132

Report generated 02/24/2011 13:13

Microbac Laboratories Inc.
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L11020447
Instrument: HPMS15
Analyst: CAA
Workgroup: WG356529

Tune ID: WG356529-01
Run Date: 02/15/2011
Run Time: 09:19
File ID: 15M03934
Cal ID: HPMS15-15-FEB-11

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51.0	198	30.0	60.0	47.4	4927	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	51.2	5320	PASS
70.0	69.0	0	2.00	0	0	PASS
127	198	40.0	60.0	56.1	5830	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	10393	PASS
199	198	5.00	9.00	6.34	659	PASS
275	198	10.0	30.0	24.9	2588	PASS
365	198	1.00	100	1.91	198	PASS
441	443	0.0100	100	80.7	1085	PASS
442	198	40.0	100	70.5	7322	PASS
443	442	17.0	23.0	18.4	1344	PASS

This check relates to the following samples:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG356529-02	STD-CCV	01	02/15/2011 09:38	
WG356529-03	STD	01	02/15/2011 10:06	
WG356529-04	STD	01	02/15/2011 10:34	
WG356529-05	STD	01	02/15/2011 11:02	
WG356529-06	STD	01	02/15/2011 11:30	
WG356529-07	STD	01	02/15/2011 11:59	
WG356529-08	STD	01	02/15/2011 12:28	
WG356529-09	SSCV	01	02/15/2011 12:56	

* Sample past 12 hour tune limit

TUNE - Modified 03/06/2008
PDF File ID: 1928600
Report generated 02/24/2011 13:14

Microbac Laboratories Inc.
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L11020447
Instrument: HPMS15
Analyst: CAA
Workgroup: WG357220

Tune ID: WG357220-01
Run Date: 02/22/2011
Run Time: 11:20
File ID: 15M03982
Cal ID: HPMS15-15-FEB-11

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51.0	198	30.0	60.0	39.6	5073	PASS
68.0	69.0	0	2.00	0	0	PASS
69.0	198	0	100	48.4	6189	PASS
70.0	69.0	0	2.00	0	0	PASS
127	198	40.0	60.0	54.0	6913	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	12799	PASS
199	198	5.00	9.00	7.88	1009	PASS
275	198	10.0	30.0	27.8	3552	PASS
365	198	1.00	100	2.76	353	PASS
441	443	0.0100	100	76.5	1623	PASS
442	198	40.0	100	85.7	10966	PASS
443	442	17.0	23.0	19.3	2121	PASS

This check relates to the following samples:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG357220-02	CCV	01	02/22/2011 11:38	
WG357148-01	BLANK	01	02/22/2011 12:06	
WG357148-02	LCS	01	02/22/2011 12:34	
WG357148-03	LCS2	01	02/22/2011 13:02	
L11020447-05	SITE #1-2-16-11-FB	01	02/22/2011 13:29	

* Sample past 12 hour tune limit

TUNE - Modified 03/06/2008
PDF File ID: 1928600
Report generated 02/24/2011 13:14

Microbac Laboratories Inc.
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L11020447
Instrument: HPMS7
Analyst: CAA
Workgroup: WG356259

Tune ID: WG356259-01
Run Date: 02/11/2011
Run Time: 13:13
File ID: 7M50416
Cal ID: HPMS7-11-FEB-11

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51.0	198	30.0	60.0	39.2	71719	PASS
68.0	69.0	0	2.00	0.773	668	PASS
69.0	198	0	100	47.2	86472	PASS
70.0	69.0	0	2.00	0.576	498	PASS
127	198	40.0	60.0	50.5	92405	PASS
197	198	0	1.00	0	0	PASS
198	198	100	100	100	183104	PASS
199	198	5.00	9.00	6.99	12804	PASS
275	198	10.0	30.0	26.8	48981	PASS
365	198	1.00	100	3.74	6848	PASS
441	443	0.0100	100	78.0	17361	PASS
442	198	40.0	100	62.4	114272	PASS
443	442	17.0	23.0	19.5	22252	PASS

This check relates to the following samples:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG356259-02	STD-CCV	01	02/11/2011 13:30	
WG356259-03	STD	01	02/11/2011 13:57	
WG356259-04	STD	01	02/11/2011 14:25	
WG356259-05	STD	01	02/11/2011 14:52	
WG356259-06	STD	01	02/11/2011 15:19	
WG356259-07	STD	01	02/11/2011 15:46	
WG356259-08	STD	01	02/11/2011 16:13	
WG356259-09	SSCV	01	02/11/2011 16:41	

* Sample past 12 hour tune limit

TUNE - Modified 03/06/2008
PDF File ID: 1928600
Report generated 02/24/2011 13:14

Microbac Laboratories Inc.
ORGANIC INSTRUMENT CHECK

DFTPP

Login Number: L11020447
Instrument: HPMS7
Analyst: CAA
Workgroup: WG357051

Tune ID: WG357051-01
Run Date: 02/21/2011
Run Time: 09:29
File ID: 7M50500
Cal ID: HPMS7-11-FEB-11

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51.0	198	30.0	60.0	41.1	39537	PASS
68.0	69.0	0	2.00	0.559	266	PASS
69.0	198	0	100	49.5	47586	PASS
70.0	69.0	0	2.00	0.309	147	PASS
127	198	40.0	60.0	54.5	52368	PASS
197	198	0	1.00	0.196	188	PASS
198	198	100	100	100	96085	PASS
199	198	5.00	9.00	7.02	6748	PASS
275	198	10.0	30.0	24.8	23844	PASS
365	198	1.00	100	3.80	3654	PASS
441	443	0.0100	100	81.3	6624	PASS
442	198	40.0	100	43.3	41581	PASS
443	442	17.0	23.0	19.6	8144	PASS

This check relates to the following samples:

Lab ID	Client ID	Tag	Date Analyzed	Q
WG357051-02	CCV	01	02/21/2011 10:14	
WG356898-02	BLANK	01	02/21/2011 10:41	
WG356898-03	LCS	01	02/21/2011 11:08	
L11020447-06	SITE #1-2-16-11-CLAY-C	01	02/21/2011 11:36	
L11020447-07	SITE #1-2-16-11-CLAY-C-2	01	02/21/2011 12:03	
L11020447-01	SITE #1-TPS-2-16-11-COMP	01	02/21/2011 12:30	
WG356898-01	REF	01	02/21/2011 12:30	
L11020447-03	SITE #1-2-16-11-MS	01	02/21/2011 12:58	
WG356898-04	MS	01	02/21/2011 12:58	
L11020447-04	SITE #1-2-16-11-MSD	01	02/21/2011 13:25	
WG356898-05	MSD	01	02/21/2011 13:25	
L11020447-02	SITE #1-2-16-11-DUP	01	02/21/2011 13:53	

* Sample past 12 hour tune limit

TUNE - Modified 03/06/2008
PDF File ID: 1928600
Report generated 02/24/2011 13:14

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 11-FEB-11 16:13

ICAL Workgroup: WG356259 **Column ID:** F

Analyte		AVG RF	% RSD	LINEAR (R)	QUAD (R^2)
Acenaphthene	CCC	1.026	8.49		
Benzo[a]pyrene	CCC	1.089	7.22		
Fluoranthene	CCC	1.120	8.26		
1-Methylnaphthalene		0.6124	12.7		
2-Methylnaphthalene		0.6089	6.57		
Acenaphthylene		1.813	6.91		
Anthracene		0.8453	11.1		
Benzo[a]anthracene		1.053	8.50		
Benzo[b]fluoranthene		1.056	12.5		
Benzo[ghi]perylene		1.140	5.08		
Benzo[k]fluoranthene		1.239	11.7		
Chrysene		1.078	5.23		
Dibenz[ah]anthracene		1.120	5.95		
Fluorene		1.185	7.68		
Indeno[1,2,3-cd]pyrene		1.340	5.85		
Naphthalene		0.9447	6.99		
Phenanthrene		0.9715	6.47		
Pyrene		1.238	4.43		

R = Correlation coefficient; 0.995 minimum
R^2 = Coefficient of determination; 0.99 minimum

If the %RSD is greater than the limit specified by the method or project QAP, then linear or quadratic equations will be used.

INT_CAL - Modified 03/06/2008
PDF File ID: 1928598
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447 **Instrument ID:** HPMS15

Analytical Method: 8270C **Initial Calibration Date:** 15-FEB-11 12:28

ICAL Workgroup: WG356529 **Column ID:** F

Analyte		AVG RF	% RSD	LINEAR (R)	QUAD (R^2)
Acenaphthene	CCC	1.156	2.99		
Benzo[a]pyrene	CCC	1.075	3.95		
Fluoranthene	CCC	1.166	4.85		
1-Methylnaphthalene		0.6820	5.88		
2-Methylnaphthalene		0.6832	2.92		
Acenaphthylene		1.800	4.23		
Anthracene		1.020	7.96		
Benzo[a]anthracene		1.005	4.70		
Benzo[b]fluoranthene		1.147	4.59		
Benzo[ghi]perylene		1.088	1.29		
Benzo[k]fluoranthene		1.069	5.13		
Chrysene		1.004	6.99		
Dibenz[ah]anthracene		1.059	2.31		
Fluorene		1.389	3.73		
Indeno[1,2,3-cd]pyrene		1.302	2.35		
Naphthalene		1.017	4.98		
Phenanthrene		1.123	4.45		
Pyrene		1.152	5.79		

R = Correlation coefficient; 0.995 minimum
R^2 = Coefficient of determination; 0.99 minimum

If the %RSD is greater than the limit specified by the method or project QAP, then linear or quadratic equations will be used.

INT_CAL - Modified 03/06/2008
PDF File ID: 1928598
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 11-FEB-11 16:13

Column ID: F

Analyte	WG356259-02			WG356259-03			WG356259-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	1.00	64703.0000	1.088	10.0	523252.000	0.8607	5.00	267978.000	0.9598
Benzo[a]pyrene	1.00	135369.000	1.159	10.0	1091014.00	1.058	5.00	557939.000	1.125
Fluoranthene	1.00	132445.000	1.215	10.0	1062024.00	0.9356	5.00	560282.000	1.089
1-Methylnaphthalene	1.00	68572.0000	0.6290	10.0	538172.000	0.4846	5.00	274065.000	0.5516
2-Methylnaphthalene	1.00	71292.0000	0.6539	10.0	604358.000	0.5442	5.00	304466.000	0.6127
Acenaphthylene	1.00	116961.000	1.966	10.0	973230.000	1.601	5.00	497775.000	1.783
Anthracene	1.00	104230.000	0.9560	10.0	880580.000	0.7758	5.00	455540.000	0.8856
Benzo[a]anthracene	1.00	133840.000	1.137	10.0	1093733.00	1.092	5.00	565990.000	1.130
Benzo[b]fluoranthene	1.00	137328.000	1.176	10.0	1145127.00	1.110	5.00	551407.000	1.111
Benzo[ghi]perylene	1.00	145431.000	1.246	10.0	1119202.00	1.085	5.00	568412.000	1.146
Benzo[k]fluoranthene	1.00	134128.000	1.149	NA	NA	NA	5.00	534070.000	1.076
Chrysene	1.00	126737.000	1.077	10.0	982165.000	0.9804	5.00	522091.000	1.042
Dibenz[ah]anthracene	1.00	143463.000	1.229	10.0	1110031.00	1.076	5.00	564783.000	1.138
Fluorene	1.00	77052.0000	1.295	10.0	635920.000	1.046	5.00	328594.000	1.177
Indeno[1,2,3-cd]pyrene	1.00	171327.000	1.467	10.0	1286114.00	1.247	5.00	662303.000	1.335
Naphthalene	1.00	106827.000	0.9799	10.0	903298.000	0.8134	5.00	452741.000	0.9111
Phenanthrene	1.00	111864.000	1.026	10.0	949851.000	0.8368	5.00	492730.000	0.9579
Pyrene	1.00	150689.000	1.281	10.0	1132706.00	1.131	5.00	603662.000	1.205

INT_CAL - Modified 03/06/2008
PDF File ID: 1928598
Report generated 02/24/2011 13:13

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 11-FEB-11 16:13

Column ID: F

Analyte	WG356259-05			WG356259-06			WG356259-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	2.50	152216.000	1.044	0.500	32328.0000	1.086	0.100	6630.00000	1.044
Benzo[a]pyrene	2.50	309284.000	1.138	0.500	60683.0000	1.127	0.100	11949.0000	1.088
Fluoranthene	2.50	316449.000	1.139	0.500	64057.0000	1.203	0.100	12309.0000	1.134
1-Methylnaphthalene	2.50	156164.000	0.5808	0.500	33214.0000	0.6547	0.100	7127.00000	0.6932
2-Methylnaphthalene	2.50	169796.000	0.6315	0.500	32933.0000	0.6492	0.100	6099.00000	0.5932
Acenaphthylene	2.50	282060.000	1.934	0.500	56109.0000	1.884	0.100	11137.0000	1.754
Anthracene	2.50	254605.000	0.9166	0.500	48521.0000	0.9112	0.100	8205.00000	0.7557
Benzo[a]anthracene	2.50	313308.000	1.115	0.500	60009.0000	1.028	0.100	11126.0000	0.9169
Benzo[b]fluoranthene	2.50	311312.000	1.146	0.500	59690.0000	1.109	0.100	10058.0000	0.9155
Benzo[ghi]perylene	2.50	314740.000	1.158	0.500	62767.0000	1.166	0.100	12114.0000	1.103
Benzo[k]fluoranthene	2.50	304693.000	1.121	0.500	69184.0000	1.285	0.100	15098.0000	1.374
Chrysene	2.50	299180.000	1.064	0.500	64204.0000	1.100	0.100	13806.0000	1.138
Dibenz[ah]anthracene	2.50	313845.000	1.155	0.500	61722.0000	1.146	0.100	11636.0000	1.059
Fluorene	2.50	184973.000	1.268	0.500	37294.0000	1.252	0.100	7243.00000	1.141
Indeno[1,2,3-cd]pyrene	2.50	371347.000	1.367	0.500	75204.0000	1.397	0.100	14457.0000	1.316
Naphthalene	2.50	251518.000	0.9354	0.500	50003.0000	0.9856	0.100	10169.0000	0.9891
Phenanthrene	2.50	275110.000	0.9904	0.500	53542.0000	1.006	0.100	10740.0000	0.9891
Pyrene	2.50	346946.000	1.234	0.500	74501.0000	1.277	0.100	15222.0000	1.255

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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HPMS7

Analytical Method: 8270C **Initial Calibration Date:** 11-FEB-11 16:13

Column ID: F

Analyte	WG356259-08		
	CONC	RESP	RF
Acenaphthene	0.0500	3618.00000	1.102
Benzo[a]pyrene	0.0500	5233.00000	0.9276
Fluoranthene	0.0500	6276.00000	1.126
1-Methylnaphthalene	0.0500	3660.00000	0.6929
2-Methylnaphthalene	0.0500	3050.00000	0.5774
Acenaphthylene	0.0500	5815.00000	1.772
Anthracene	0.0500	3995.00000	0.7165
Benzo[a]anthracene	0.0500	5968.00000	0.9500
Benzo[b]fluoranthene	0.0500	4649.00000	0.8241
Benzo[ghi]perylene	0.0500	6096.00000	1.081
Benzo[k]fluoranthene	0.0500	8066.00000	1.430
Chrysene	0.0500	7172.00000	1.142
Dibenz[ah]anthracene	0.0500	5847.00000	1.036
Fluorene	0.0500	3665.00000	1.117
Indeno[1,2,3-cd]pyrene	0.0500	7073.00000	1.254
Naphthalene	0.0500	5272.00000	0.9981
Phenanthrene	0.0500	5548.00000	0.9951
Pyrene	0.0500	8048.00000	1.281

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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HPMS15

Analytical Method: 8270C **Initial Calibration Date:** 15-FEB-11 12:28

Column ID: F

Analyte	WG356529-02			WG356529-03			WG356529-04		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	1.00	55901.0000	1.162	10.0	515990.000	1.081	5.00	252303.000	1.174
Benzo[a]pyrene	1.00	95643.0000	1.115	10.0	831739.000	1.052	5.00	408968.000	1.114
Fluoranthene	1.00	103341.000	1.219	10.0	869452.000	1.061	5.00	444739.000	1.192
1-Methylnaphthalene	1.00	59184.0000	0.6693	10.0	533197.000	0.6207	5.00	260773.000	0.6816
2-Methylnaphthalene	1.00	60084.0000	0.6795	10.0	556360.000	0.6477	5.00	269638.000	0.7048
Acenaphthylene	1.00	89545.0000	1.861	10.0	805577.000	1.687	5.00	402547.000	1.873
Anthracene	1.00	91598.0000	1.080	10.0	799456.000	0.9755	5.00	407287.000	1.092
Benzo[a]anthracene	1.00	99178.0000	1.061	10.0	823674.000	0.9106	5.00	416510.000	0.9959
Benzo[b]fluoranthene	1.00	104367.000	1.217	10.0	868681.000	1.099	5.00	425074.000	1.158
Benzo[ghi]perylene	1.00	94509.0000	1.102	10.0	839944.000	1.063	5.00	403279.000	1.098
Benzo[k]fluoranthene	1.00	96028.0000	1.120	10.0	760576.000	0.9622	5.00	391713.000	1.067
Chrysene	1.00	97835.0000	1.046	10.0	782700.000	0.8653	5.00	404263.000	0.9666
Dibenz[ah]anthracene	1.00	92293.0000	1.076	10.0	829407.000	1.049	5.00	398702.000	1.086
Fluorene	1.00	67555.0000	1.404	10.0	622508.000	1.304	5.00	309109.000	1.438
Indeno[1,2,3-cd]pyrene	1.00	113930.000	1.328	10.0	1016708.00	1.286	5.00	489686.000	1.334
Naphthalene	1.00	91469.0000	1.035	10.0	778561.000	0.9063	5.00	386454.000	1.010
Phenanthrene	1.00	97820.0000	1.154	10.0	829719.000	1.013	5.00	421873.000	1.131
Pyrene	1.00	110884.000	1.186	10.0	915378.000	1.012	5.00	470868.000	1.126

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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HPMS15

Analytical Method: 8270C **Initial Calibration Date:** 15-FEB-11 12:28

Column ID: F

Analyte	WG356529-05			WG356529-06			WG356529-07		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Acenaphthene	2.50	133157.000	1.172	0.500	24450.0000	1.185	0.100	4875.00000	1.157
Benzo[a]pyrene	2.50	217848.000	1.114	0.500	38493.0000	1.085	0.100	7293.00000	1.023
Fluoranthene	2.50	241657.000	1.217	0.500	43841.0000	1.195	0.100	8432.00000	1.140
1-Methylnaphthalene	2.50	136971.000	0.6884	0.500	25808.0000	0.7014	0.100	5687.00000	0.7517
2-Methylnaphthalene	2.50	140078.000	0.7041	0.500	25540.0000	0.6941	0.100	5119.00000	0.6766
Acenaphthylene	2.50	213321.000	1.878	0.500	37377.0000	1.811	0.100	7272.00000	1.726
Anthracene	2.50	218887.000	1.102	0.500	38480.0000	1.049	0.100	6950.00000	0.9394
Benzo[a]anthracene	2.50	226217.000	1.019	0.500	40826.0000	1.037	0.100	7870.00000	1.000
Benzo[b]fluoranthene	2.50	227373.000	1.163	0.500	42517.0000	1.199	0.100	7646.00000	1.073
Benzo[ghi]perylene	2.50	214196.000	1.096	0.500	38834.0000	1.095	0.100	7677.00000	1.077
Benzo[k]fluoranthene	2.50	212133.000	1.085	0.500	37128.0000	1.047	0.100	8027.00000	1.126
Chrysene	2.50	220901.000	0.9952	0.500	40923.0000	1.039	0.100	8262.00000	1.050
Dibenz[ah]anthracene	2.50	211035.000	1.079	0.500	37737.0000	1.064	0.100	7258.00000	1.018
Fluorene	2.50	163374.000	1.438	0.500	29439.0000	1.427	0.100	5743.00000	1.363
Indeno[1,2,3-cd]pyrene	2.50	259827.000	1.329	0.500	46403.0000	1.308	0.100	8948.00000	1.256
Naphthalene	2.50	204347.000	1.027	0.500	38428.0000	1.044	0.100	7874.00000	1.041
Phenanthrene	2.50	229277.000	1.155	0.500	42051.0000	1.146	0.100	8355.00000	1.129
Pyrene	2.50	257557.000	1.160	0.500	47177.0000	1.198	0.100	9317.00000	1.184

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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HPMS15

Analytical Method: 8270C **Initial Calibration Date:** 15-FEB-11 12:28

Column ID: F

Analyte	WG356529-08		
	CONC	RESP	RF
Acenaphthene	0.0500	2622.00000	1.164
Benzo[a]pyrene	0.0500	3937.00000	1.022
Fluoranthene	0.0500	4571.00000	1.142
1-Methylnaphthalene	0.0500	2674.00000	0.6608
2-Methylnaphthalene	0.0500	2735.00000	0.6759
Acenaphthylene	0.0500	3968.00000	1.762
Anthracene	0.0500	3597.00000	0.8989
Benzo[a]anthracene	0.0500	4384.00000	1.015
Benzo[b]fluoranthene	0.0500	4309.00000	1.118
Benzo[ghi]perylene	0.0500	4181.00000	1.085
Benzo[k]fluoranthene	0.0500	4148.00000	1.077
Chrysene	0.0500	4601.00000	1.065
Dibenz[ah]anthracene	0.0500	4005.00000	1.039
Fluorene	0.0500	3035.00000	1.348
Indeno[1,2,3-cd]pyrene	0.0500	4912.00000	1.275
Naphthalene	0.0500	4265.00000	1.054
Phenanthrene	0.0500	4549.00000	1.137
Pyrene	0.0500	5174.00000	1.198

INT_CAL - Modified 03/06/2008
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Microbac Laboratories Inc.
ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L11020447 Run Date: 02/11/2011 Sample ID: WG356259-09
Instrument ID: HPMS7 Run Time: 16:41 Method: 8270C
File ID: 7M50424 Analyst: CAA QC Key: DOD4
ICal Workgroup: WG356259 Cal ID: HPMS7 - 11-FEB-11

Analyte		Expected	Found	Units	RF	%D	UCL	Q
Acenaphthene	CCC	1000	966	ug/L	0.992	3.40	30	
Fluoranthene	CCC	1000	953	ug/L	1.07	4.70	30	
Benzo[a]pyrene	CCC	1000	970	ug/L	1.06	3.00	30	
Naphthalene		1000	960	ug/L	0.907	4.00	30	
Acenaphthylene		1000	962	ug/L	1.74	3.80	30	
Fluorene		1000	957	ug/L	1.13	4.30	30	
Phenanthrene		1000	937	ug/L	0.911	6.30	30	
Anthracene		1000	1030	ug/L	0.872	3.10	30	
Pyrene		1000	907	ug/L	1.12	9.30	30	
Benzo[a]anthracene		1000	850	ug/L	0.895	15.0	30	
Chrysene		1000	929	ug/L	1.00	7.10	30	
Benzo[b]fluoranthene		1000	942	ug/L	0.995	5.80	30	
Benzo[k]fluoranthene		1000	895	ug/L	1.11	10.5	30	
Indeno[1,2,3-cd]pyrene		1000	911	ug/L	1.22	8.90	30	
Dibenz[ah]anthracene		1000	893	ug/L	1.00	10.7	30	
Benzo[ghi]perylene		1000	928	ug/L	1.06	7.20	30	
1-Methylnaphthalene		1000	901	ug/L	0.552	9.90	30	
2-Methylnaphthalene		1000	958	ug/L	0.583	4.20	30	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

Microbac Laboratories Inc.
ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L11020447 Run Date: 02/15/2011 Sample ID: WG356529-09
Instrument ID: HPMS15 Run Time: 12:56 Method: 8270C
File ID: 15M03942 Analyst: CAA QC Key: DOD4
ICal Workgroup: WG356529 Cal ID: HPMS15 - 15-FEB-11

Analyte		Expected	Found	Units	RF	%D	UCL	Q
Acenaphthene	CCC	1000	946	ug/L	1.09	5.40	30	
Fluoranthene	CCC	1000	934	ug/L	1.09	6.60	30	
Benzo[a]pyrene	CCC	1000	954	ug/L	1.03	4.60	30	
Naphthalene		1000	956	ug/L	0.972	4.40	30	
Acenaphthylene		1000	912	ug/L	1.64	8.80	30	
Fluorene		1000	928	ug/L	1.29	7.20	30	
Phenanthrene		1000	935	ug/L	1.05	6.50	30	
Anthracene		1000	1010	ug/L	1.03	0.700	30	
Pyrene		1000	922	ug/L	1.06	7.80	30	
Benzo[a]anthracene		1000	888	ug/L	0.893	11.2	30	
Chrysene		1000	945	ug/L	0.949	5.50	30	
Benzo[b]fluoranthene		1000	869	ug/L	0.997	13.1	30	
Benzo[k]fluoranthene		1000	942	ug/L	1.01	5.80	30	
Indeno[1,2,3-cd]pyrene		1000	894	ug/L	1.16	10.6	30	
Dibenz[ah]anthracene		1000	886	ug/L	0.938	11.5	30	
Benzo[ghi]perylene		1000	929	ug/L	1.01	7.10	30	
1-Methylnaphthalene		1000	902	ug/L	0.615	9.80	30	
2-Methylnaphthalene		1000	936	ug/L	0.639	6.40	30	

* Exceeds %D Limit

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357051-02

Instrument ID: HPMS7 Run Time: 10:14 Method: 8270C

File ID: 7M50502 Analyst: CAA QC Key: DOD4

Workgroup (AAB#): WG357050 Cal ID: HPMS7 - 11-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Acenaphthene	CCC	1000	974	ug/L	1.00	2.60	20	
Fluoranthene	CCC	1000	1080	ug/L	1.21	7.73	20	
Benzo[a]pyrene	CCC	1000	1050	ug/L	1.14	4.67	20	
Naphthalene		1000	1030	ug/L	0.972	2.89	20	
Acenaphthylene		1000	868	ug/L	1.57	13.2	20	
Fluorene		1000	987	ug/L	1.17	1.26	20	
Phenanthrene		1000	1060	ug/L	1.03	5.87	20	
Anthracene		1000	1050	ug/L	0.887	4.95	20	
Pyrene		1000	1070	ug/L	1.32	6.55	20	
Benzo[a]anthracene		1000	1050	ug/L	1.11	5.02	20	
Chrysene		1000	987	ug/L	1.06	1.28	20	
Benzo[b]fluoranthene		1000	1160	ug/L	1.22	15.6	20	
Benzo[k]fluoranthene		1000	929	ug/L	1.15	7.11	20	
Indeno[1,2,3-cd]pyrene		1000	1040	ug/L	1.40	4.22	20	
Dibenz[ah]anthracene		1000	1030	ug/L	1.15	2.59	20	
Benzo[ghi]perylene		1000	1020	ug/L	1.16	1.68	20	
1-Methylnaphthalene		1000	1060	ug/L	0.651	6.27	20	
2-Methylnaphthalene		1000	1090	ug/L	0.665	9.22	20	

* Exceeds %D Criteria

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

CCV - Modified 03/05/2008
PDF File ID: 1928601
Report generated 02/24/2011 13:14

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357220-02

Instrument ID: HPMS15 Run Time: 11:38 Method: 8270C

File ID: 15M03983 Analyst: CAA QC Key: DOD4

Workgroup (AAB#): WG357222 Cal ID: HPMS15 - 15-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Acenaphthene	CCC	1000	1030	ug/L	1.19	2.74	20	
Fluoranthene	CCC	1000	1070	ug/L	1.25	6.85	20	
Benzo[a]pyrene	CCC	1000	1040	ug/L	1.12	4.36	20	
Naphthalene		1000	1030	ug/L	1.05	3.19	20	
Acenaphthylene		1000	1080	ug/L	1.94	7.94	20	
Fluorene		1000	1030	ug/L	1.44	3.38	20	
Phenanthrene		1000	1040	ug/L	1.17	4.13	20	
Anthracene		1000	1100	ug/L	1.12	9.54	20	
Pyrene		1000	1070	ug/L	1.23	7.15	20	
Benzo[a]anthracene		1000	1070	ug/L	1.07	6.63	20	
Chrysene		1000	1020	ug/L	1.03	2.15	20	
Benzo[b]fluoranthene		1000	988	ug/L	1.13	1.16	20	
Benzo[k]fluoranthene		1000	1030	ug/L	1.11	3.43	20	
Indeno[1,2,3-cd]pyrene		1000	1020	ug/L	1.33	1.88	20	
Dibenz[ah]anthracene		1000	1010	ug/L	1.07	1.22	20	
Benzo[ghi]perylene		1000	1020	ug/L	1.10	1.54	20	
1-Methylnaphthalene		1000	998	ug/L	0.680	0.240	20	
2-Methylnaphthalene		1000	1020	ug/L	0.696	1.79	20	

* Exceeds %D Criteria

CCC Calibration Check Compounds
SPCC System Performance Check Compounds

CCV - Modified 03/05/2008
PDF File ID: 1928601
Report generated 02/24/2011 13:14

Microbac Laboratories Inc.
INTERNAL STANDARD AREA SUMMARY

Login Number: L11020447
Instrument ID: HPMS7
Workgroup (AAB#): WG357050

ICAL CCV Number: WG356259-02
CAL ID: HPMS7-11-FEB-11
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG356259-02	NA	NA	59479	117681	109023	116769	109027
Upper Limit	NA	NA	118958	235362	218046	233538	218054
Lower Limit	NA	NA	29740	58841	54512	58385	54514
L11020447-01	1.00	01	64456	116886	98598	107724	103474
L11020447-02	1.00	01	65611	116008	101394	106390	105700
L11020447-03	1.00	01	67257	118390	107050	109009	106702
L11020447-04	1.00	01	62438	111767	101440	101778	100268
L11020447-06	1.00	01	62353	112822	94647	103965	100346
L11020447-07	1.00	01	62828	115925	96067	106753	100908
WG356898-02	1.00	01	63477	116650	92580	109921	101832
WG356898-03	1.00	01	64016	115043	100520	107799	105425

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

INTERNAL_STD_ICAL - Modified 03/06/2008
PDF File ID: 1928602
Report generated 02/24/2011 13:15

Microbac Laboratories Inc.
INTERNAL STANDARD AREA SUMMARY

Login Number: L11020447
Instrument ID: HPMS15
Workgroup (AAB#): WG357222

ICAL CCV Number: WG356529-02
CAL ID: HPMS15-15-FEB-11
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG356529-02	NA	NA	48126	93522	88421	85766	84788
Upper Limit	NA	NA	96252	187044	176842	171532	169576
Lower Limit	NA	NA	24063	46761	44211	42883	42394
L11020447-05	1.00	01	47288	87538	86826	79484	83101
WG357148-01	1.00	01	43369	81006	81094	74410	77323
WG357148-02	1.00	01	43847	81906	80327	74803	77630
WG357148-03	1.00	01	48648	90835	89115	82230	85740

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

INTERNAL_STD_ICAL - Modified 03/06/2008
PDF File ID: 1928602
Report generated 02/24/2011 13:15

Microbac Laboratories Inc.
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO MIDPOINT OF ICAL)

Login Number: L11020447
Instrument ID: HPMS7
Workgroup (AAB#): WG357050

ICAL CCV Number: WG356259-02
CAL ID: HPMS7-11-FEB-11
Matrix: SOLID

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG356259-02	NA	NA	7.94	13.16	5.76	15.21	9.8
Upper Limit	NA	NA	8.44	13.66	6.26	15.71	10.3
Lower Limit	NA	NA	7.44	12.66	5.26	14.71	9.3
L11020447-01	1.00	01	7.86	13.08	5.7	15.08	9.72
L11020447-02	1.00	01	7.87	13.08	5.7	15.08	9.72
L11020447-03	1.00	01	7.87	13.08	5.7	15.08	9.72
L11020447-04	1.00	01	7.86	13.08	5.69	15.08	9.72
L11020447-06	1.00	01	7.86	13.09	5.7	15.08	9.72
L11020447-07	1.00	01	7.86	13.08	5.7	15.08	9.72
WG356898-02	1.00	01	7.86	13.09	5.7	15.08	9.72
WG356898-03	1.00	01	7.86	13.08	5.7	15.09	9.72

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

INTERNAL_STD_RT_ICAL - Modified 03/06/2008
PDF File ID: 1928603
Report generated: 02/24/2011 13:15

Microbac Laboratories Inc.
INTERNAL STANDARD RETENTION TIME SUMMARY
(COMPARED TO MIDPOINT OF ICAL)

Login Number: L11020447
Instrument ID: HPMS15
Workgroup (AAB#): WG357222

ICAL CCV Number: WG356529-02
CAL ID: HPMS15-15-FEB-11
Matrix: WATER

Sample Number	Dilution	Tag	IS-1	IS-2	IS-3	IS-4	IS-5
WG356529-02	NA	NA	8.14	13.35	5.95	15.49	9.99
Upper Limit	NA	NA	8.64	13.85	6.45	15.99	10.49
Lower Limit	NA	NA	7.64	12.85	5.45	14.99	9.49
L11020447-05	1.00	01	8.125	13.338	5.943	15.474	9.982
WG357148-01	1.00	01	8.125	13.338	5.943	15.474	9.982
WG357148-02	1.00	01	8.125	13.338	5.943	15.474	9.982
WG357148-03	1.00	01	8.125	13.338	5.943	15.474	9.982

IS-1 - Acenaphthene-d10
IS-2 - Chrysene-d12
IS-3 - Naphthalene-d8
IS-4 - Perylene-d12
IS-5 - Phenanthrene-d10

Underline = Response outside limits

INTERNAL_STD_RT_ICAL - Modified 03/06/2008
PDF File ID: 1928603
Report generated: 02/24/2011 13:15

2.1.1.3 Sample Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50507.D Vial: 7
Acq On : 21 Feb 2011 12:30 pm Operator: CAA
Sample : L11020447-01 REF Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:22 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

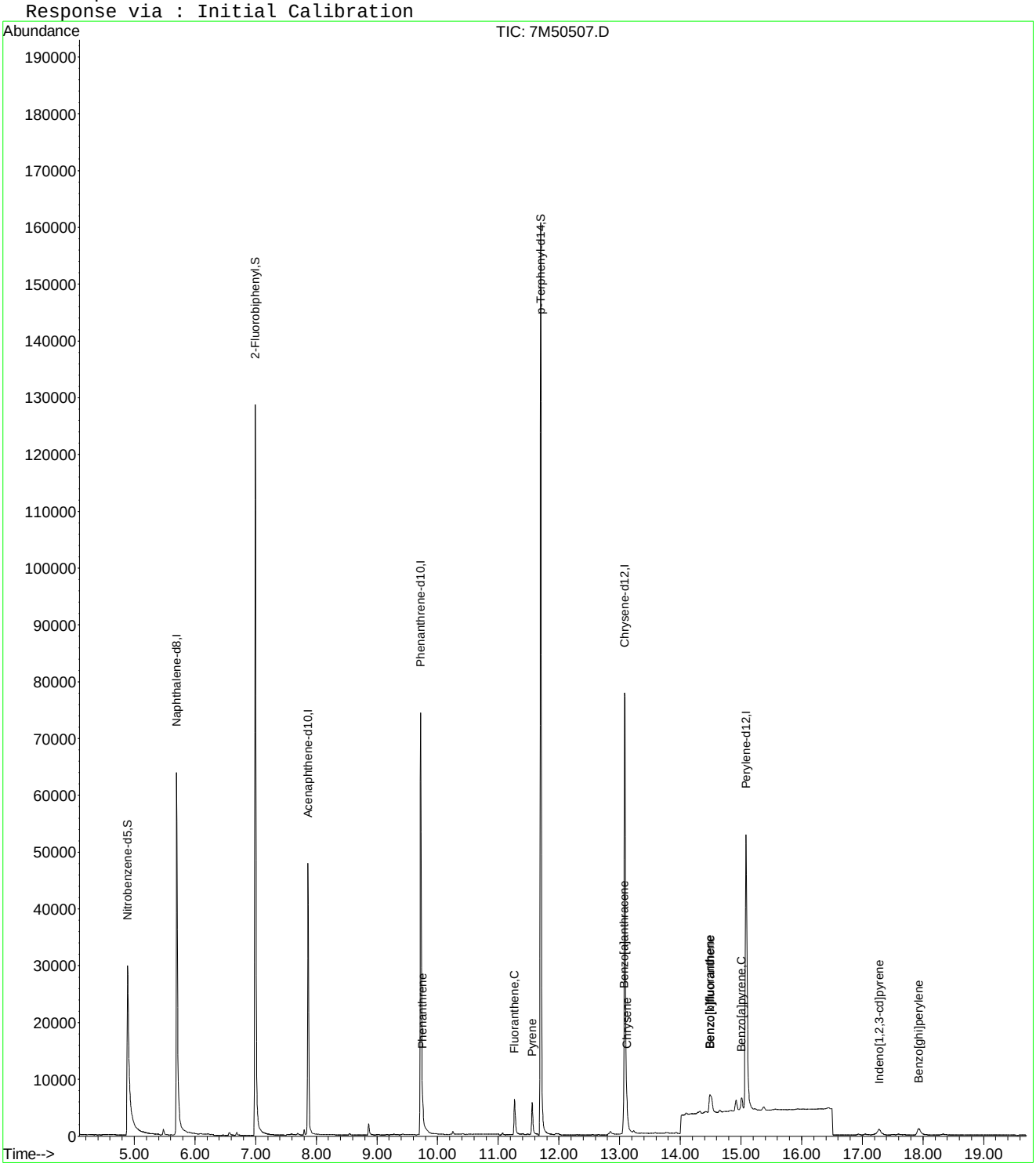
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	98598	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.86	164	64456	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	103474	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	116886	1.00	ug/ml	0.00
20) Perylene-d12	15.08	264	107724	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	53431	1.9208	ug/ml	-0.01
Spiked Amount 2.500	Range 23 - 120		Recovery = 76.80%			
7) 2-Fluorobiphenyl	6.99	172	122351	1.6560	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 66.40%			
17) p-Terphenyl-d14	11.70	244	183940	2.3243	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 92.80%			
Target Compounds						Qvalue
12) Phenanthrene	9.76	178	3402	0.0338	ug/ml	100
14) Fluoranthene	11.27	202	8504	0.0734	ug/ml	99
16) Pyrene	11.56	202	8984	0.0621	ug/ml	95
18) Benzo[a]anthracene	13.06	228	3660	0.0297	ug/ml	92
19) Chrysene	13.12	228	5009	0.0398	ug/ml	91
21) Benzo[b]fluoranthene	14.49	252	4559m	0.0401	ug/ml	
22) Benzo[k]fluoranthene	14.50	252	4614m	0.0346	ug/ml	
23) Benzo[a]pyrene	15.01	252	3954	0.0337	ug/ml#	60
24) Indeno[1,2,3-cd]pyrene	17.27	276	3641	0.0252	ug/ml	100
26) Benzo[ghi]perylene	17.93	276	3958	0.0322	ug/ml	98

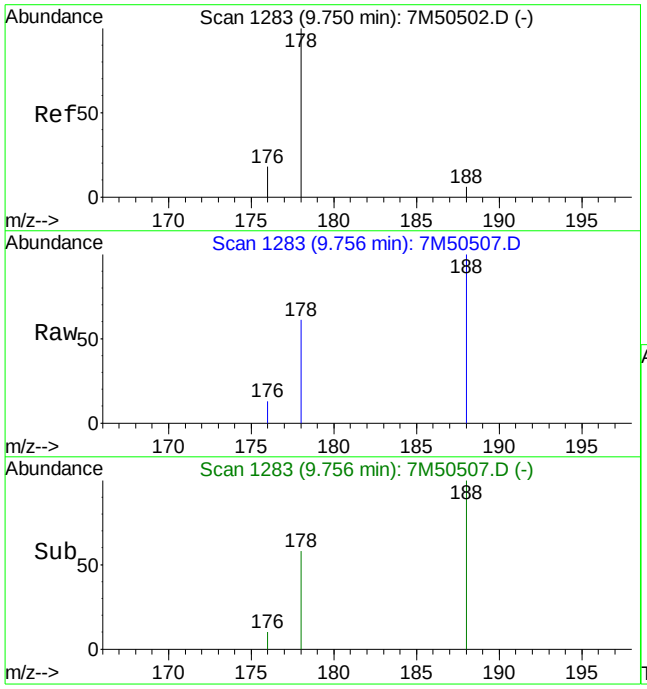
(#) = qualifier out of range (m) = manual integration
7M50507.D SIMPAHL.M Tue Feb 22 07:07:27 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50507.D Vial: 7
Acq On : 21 Feb 2011 12:30 pm Operator: CAA
Sample : L11020447-01 REF Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration

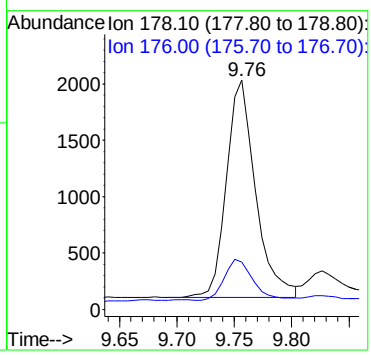


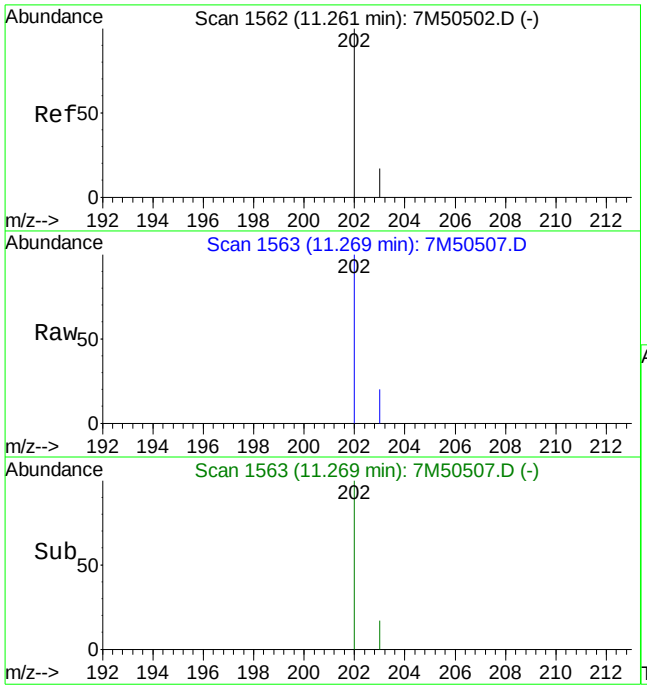


#12
Phenanthrene
Concen: 0.03 ug/ml
RT: 9.76 min Scan# 1283
Delta R.T. 0.02 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:178 Resp: 3402

Ion	Ratio	Lower	Upper
178	100		
176	18.6	11.3	26.3

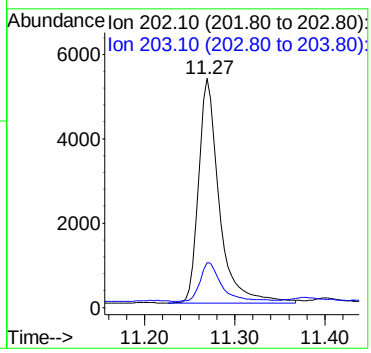


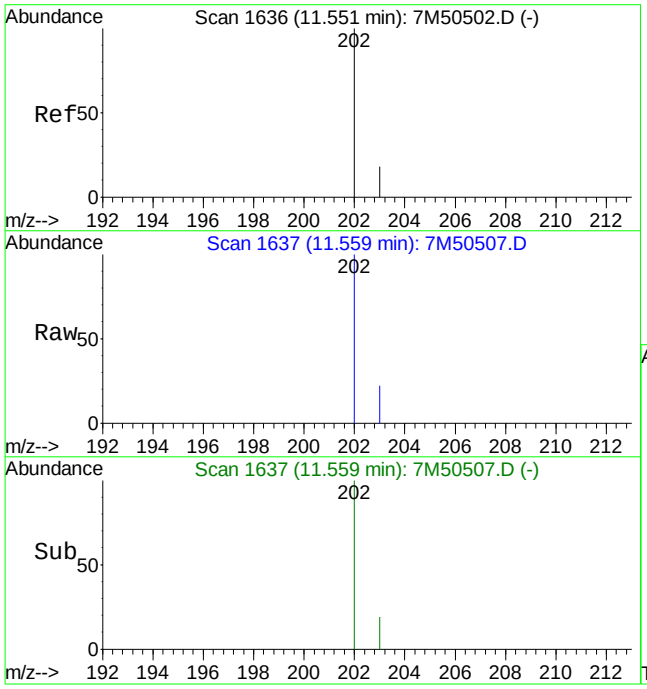


#14
Fluoranthene
Concen: 0.07 ug/ml
RT: 11.27 min Scan# 1563
Delta R.T. 0.03 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:202 Resp: 8504

Ion	Ratio	Lower	Upper
202	100		
203	17.8	10.4	24.2

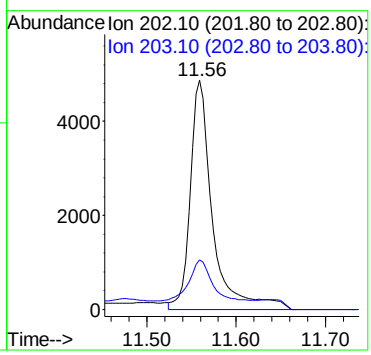


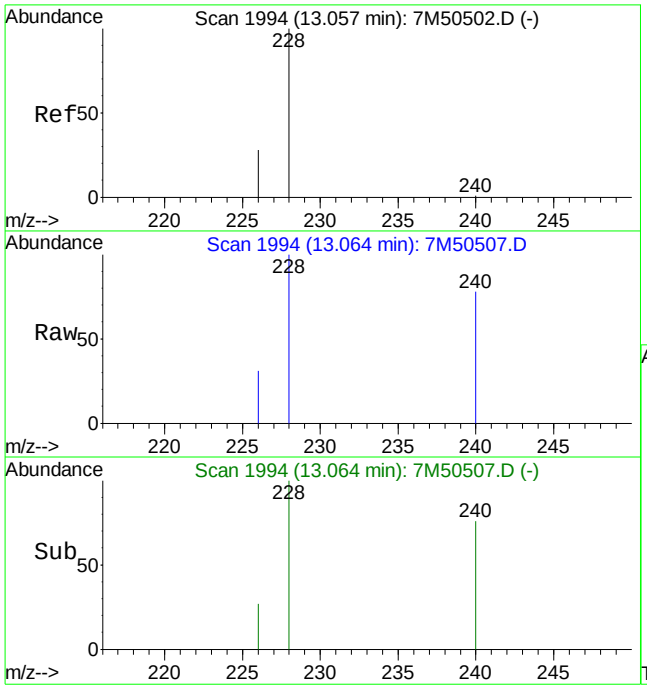


#16
Pyrene
Concen: 0.06 ug/ml
RT: 11.56 min Scan# 1637
Delta R.T. 0.01 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:202 Resp: 8984

Ion	Ratio	Lower	Upper
202	100		
203	15.9	11.0	25.6

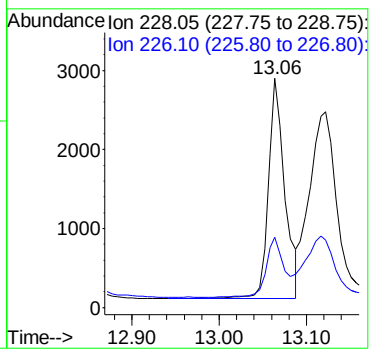


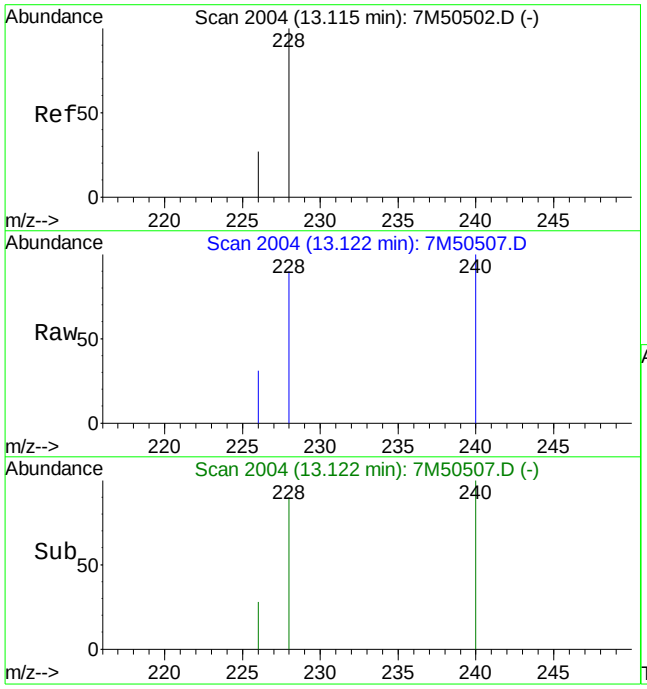


#18
Benzo[a]anthracene
Concen: 0.03 ug/ml
RT: 13.06 min Scan# 1994
Delta R.T. 0.01 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:228 Resp: 3660

Ion	Ratio	Lower	Upper
228	100		
226	29.3	15.2	35.4

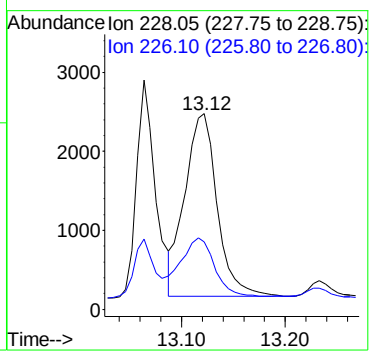


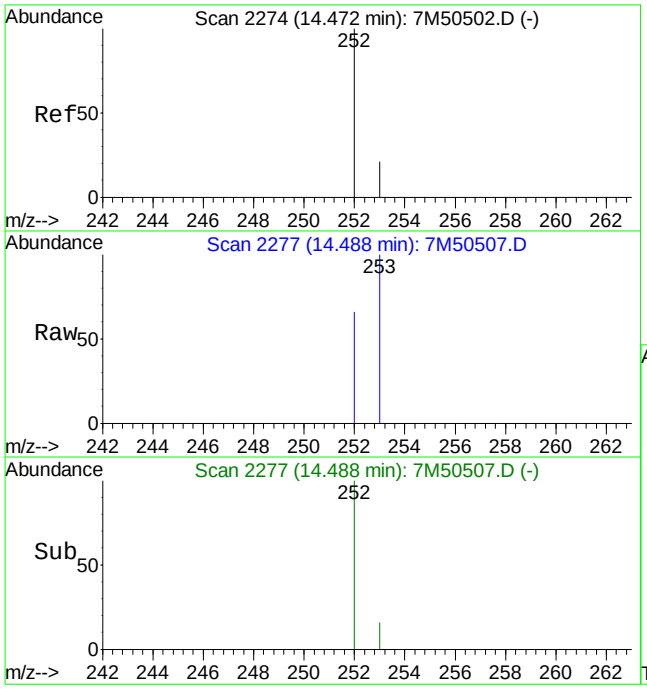


#19
Chrysene
Concen: 0.04 ug/ml
RT: 13.12 min Scan# 2004
Delta R.T. 0.01 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:228 Resp: 5009

Ion	Ratio	Lower	Upper
228	100		
226	33.7	17.2	40.2

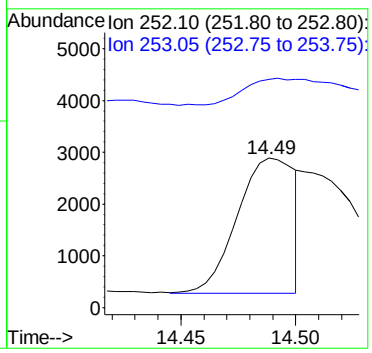


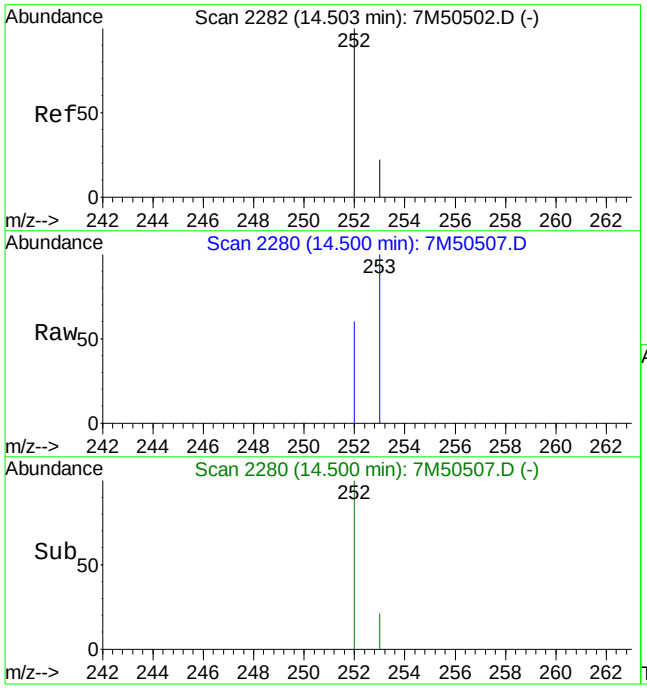


#21
Benzo[b]fluoranthene
Concen: 0.04 ug/ml m
RT: 14.49 min Scan# 2277
Delta R.T. 0.01 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:252 Resp: 4559

Ion	Ratio	Lower	Upper
252	100		
253	44.3	15.4	35.8#

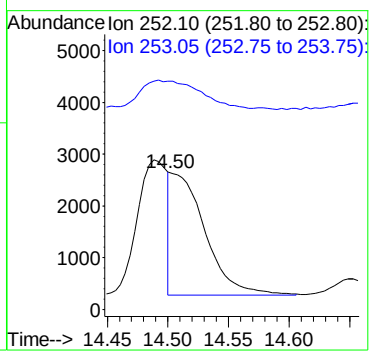


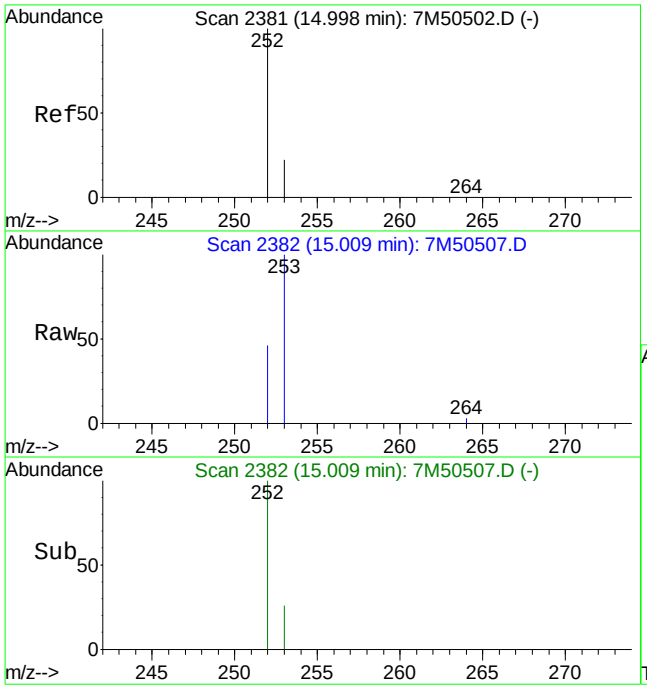


#22
Benzo[k]fluoranthene
Concen: 0.03 ug/ml m
RT: 14.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:252 Resp: 4614

Ion	Ratio	Lower	Upper
252	100		
253	42.5	15.6	36.4#

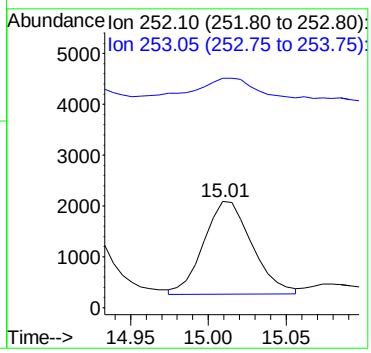


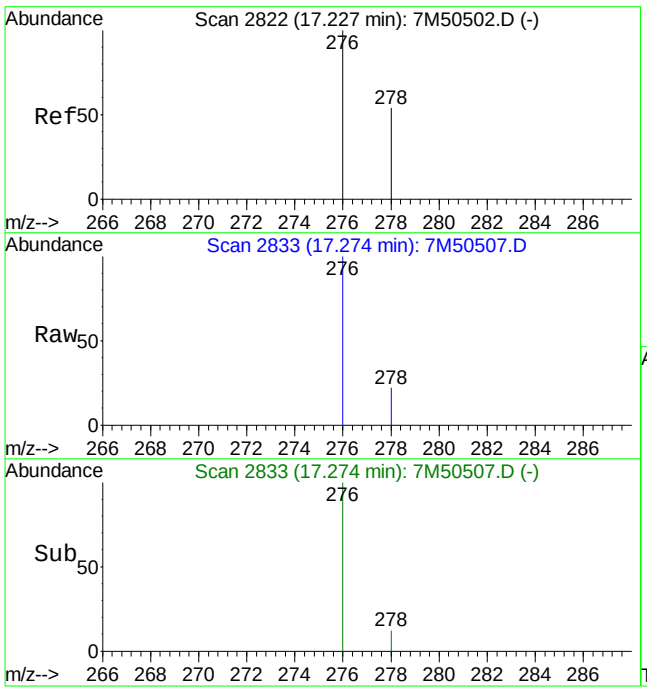


#23
Benzo[a]pyrene
Concen: 0.03 ug/ml
RT: 15.01 min Scan# 2382
Delta R.T. 0.03 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:252 Resp: 3954

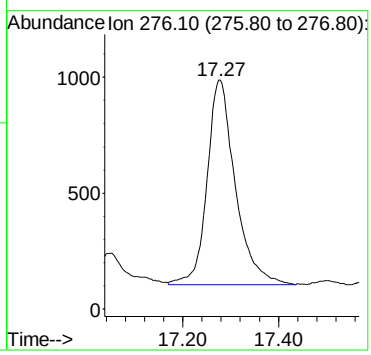
Ion	Ratio	Lower	Upper
252	100		
253	40.5	12.8	30.0#

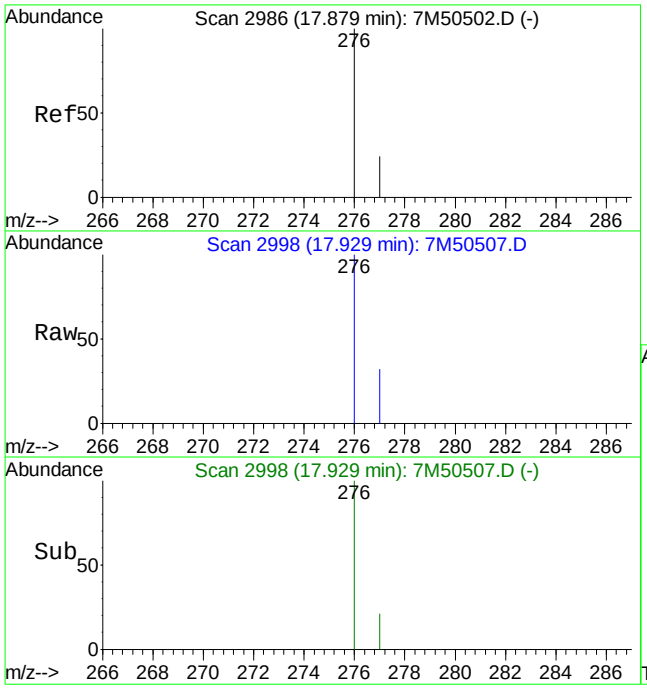




#24
Indeno[1,2,3-cd]pyrene
Concen: 0.03 ug/ml
RT: 17.27 min Scan# 2833
Delta R.T. 0.00 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:276 Resp: 3641

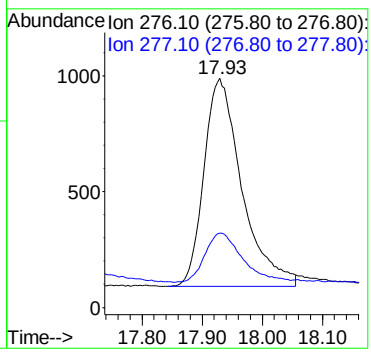




#26
Benzo[ghi]perylene
Concen: 0.03 ug/ml
RT: 17.93 min Scan# 2998
Delta R.T. 0.08 min
Lab File: 7M50507.D
Acq: 21 Feb 2011 12:30 pm

Tgt Ion:276 Resp: 3958

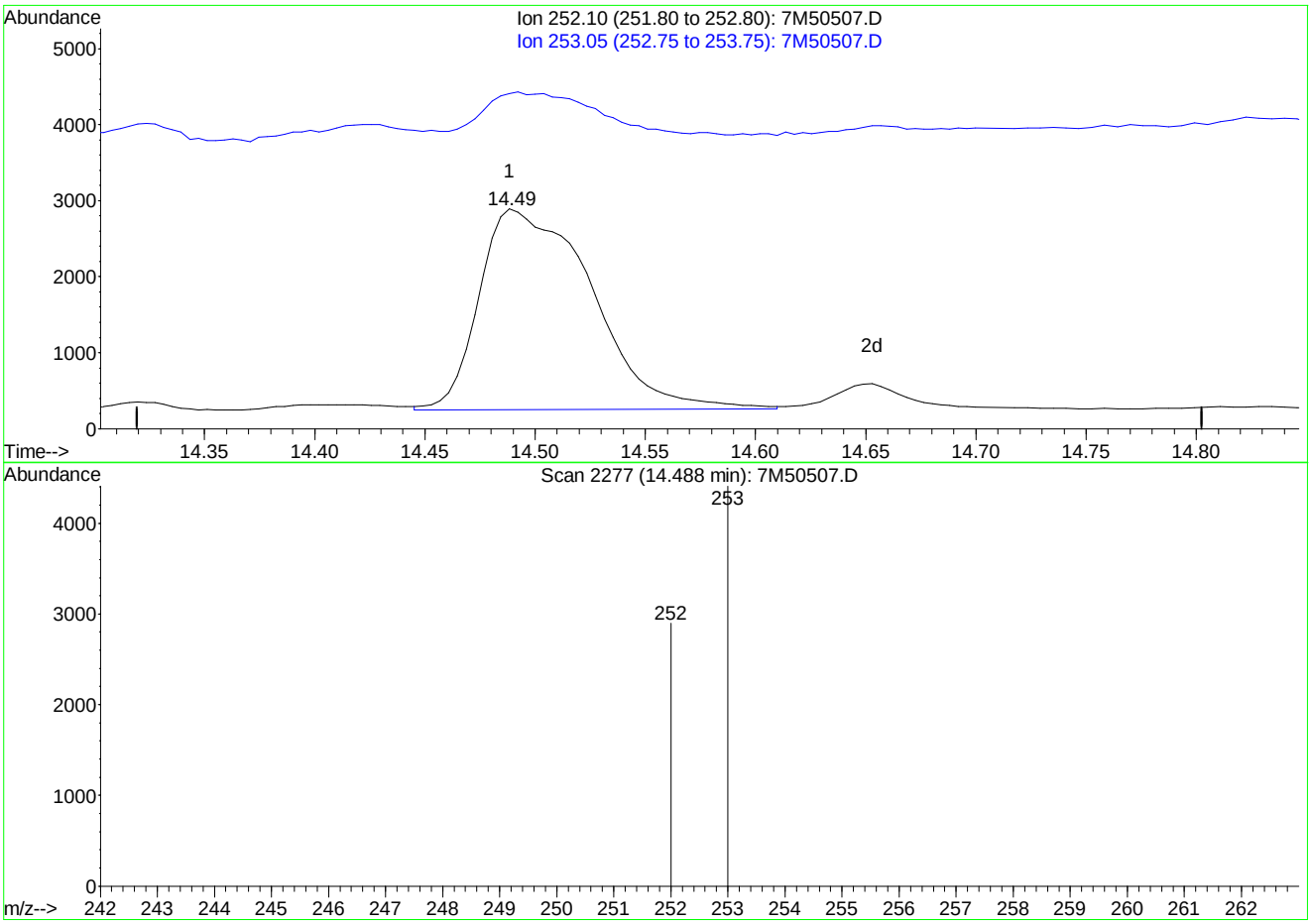
Ion	Ratio	Lower	Upper
276	100		
277	23.5	14.7	34.3



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50507.D Vial: 7
Acq On : 21 Feb 2011 12:30 pm Operator: CAA
Sample : L11020447-01 REF Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50507.D

(21) Benzo[b]fluoranthene

14.49min 0.08ug/ml

response 9362

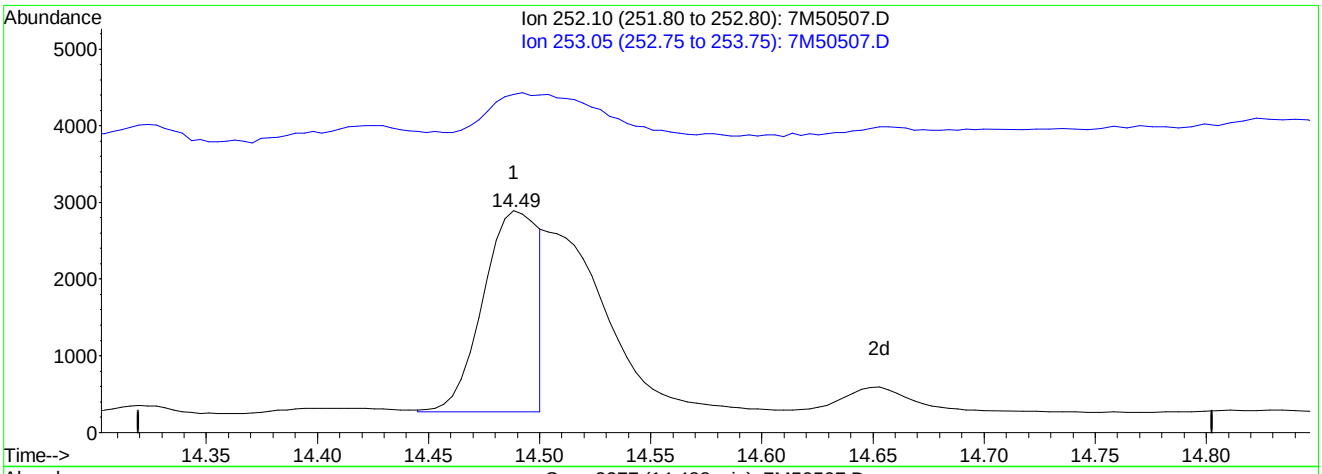
Ion	Exp%	Act%
252.10	100	100
253.05	25.60	21.59
0.00	0.00	0.00
0.00	0.00	0.00

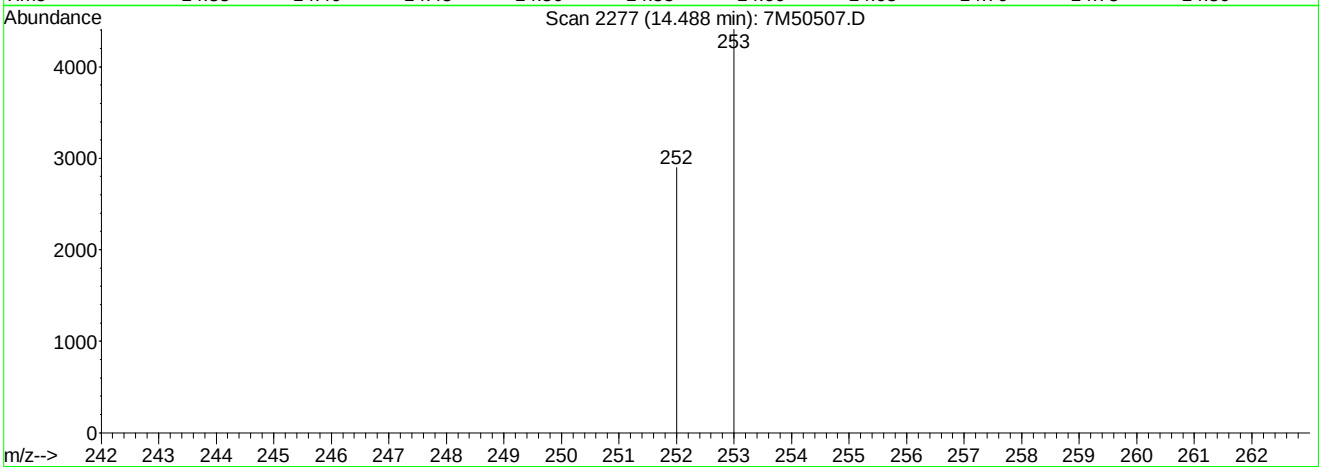
7M50507.D SIMPAHL.M Tue Feb 22 06:54:21 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50507.D Vial: 7
Acq On : 21 Feb 2011 12:30 pm Operator: CAA
Sample : L11020447-01 REF Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration





TIC: 7M50507.D

(21) Benzo[b]fluoranthene

14.49min 0.04ug/ml mint

response 4559

Ion	Exp%	Act%
252.10	100	100
253.05	25.60	44.33#
0.00	0.00	0.00
0.00	0.00	0.00

7M50507.D SIMPAHL.M Tue Feb 22 06:54:28 2011

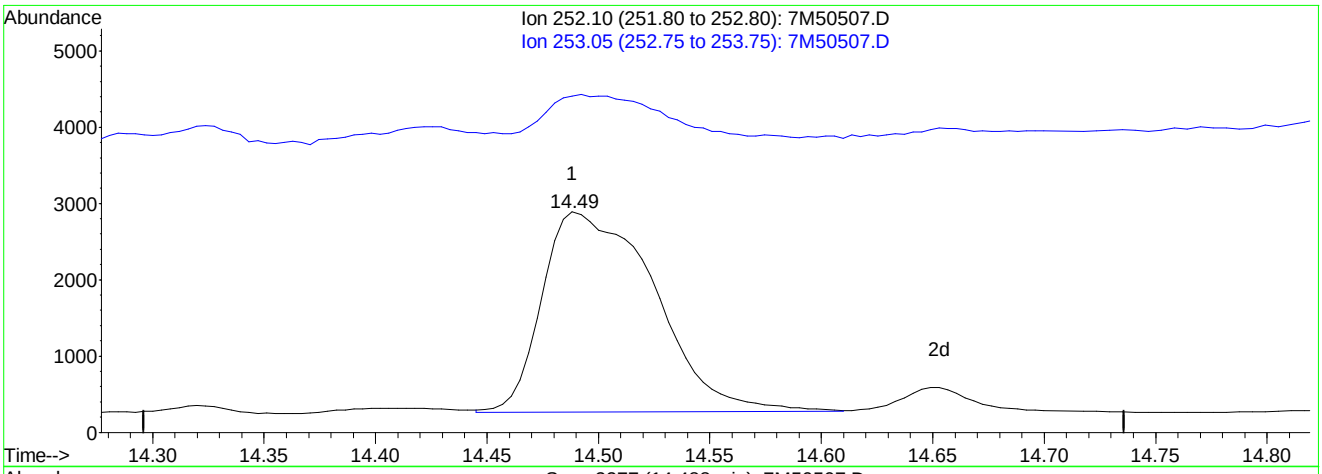
Analyst: 02/22/2011 07:36 Supervisor: 02/22/2011 15:12

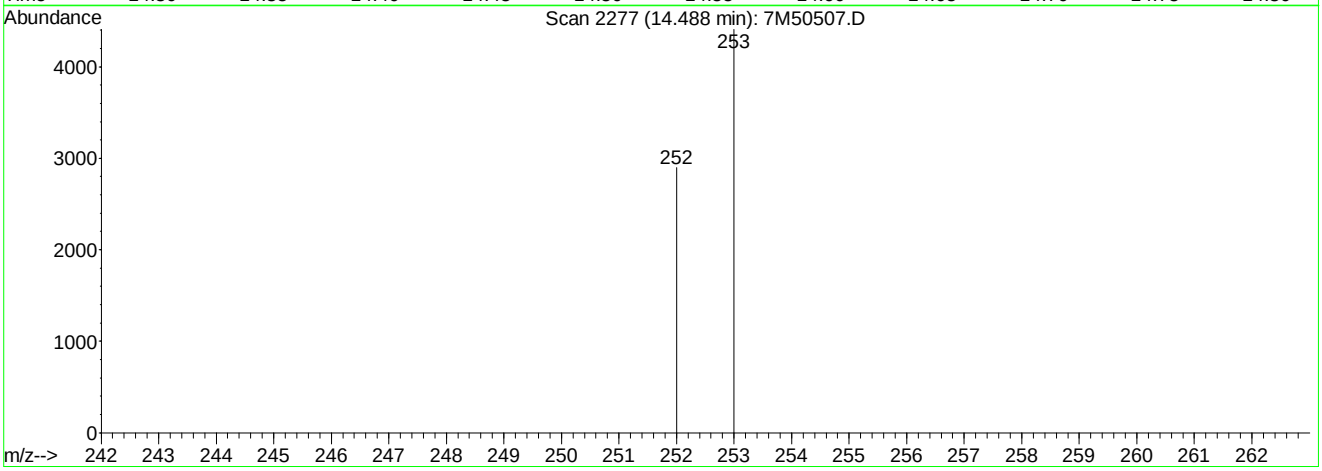
#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50507.D Vial: 7
Acq On : 21 Feb 2011 12:30 pm Operator: CAA
Sample : L11020447-01 REF Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration





TIC: 7M50507.D

(22) Benzo[k]fluoranthene

14.49min 0.07ug/ml

response 9224

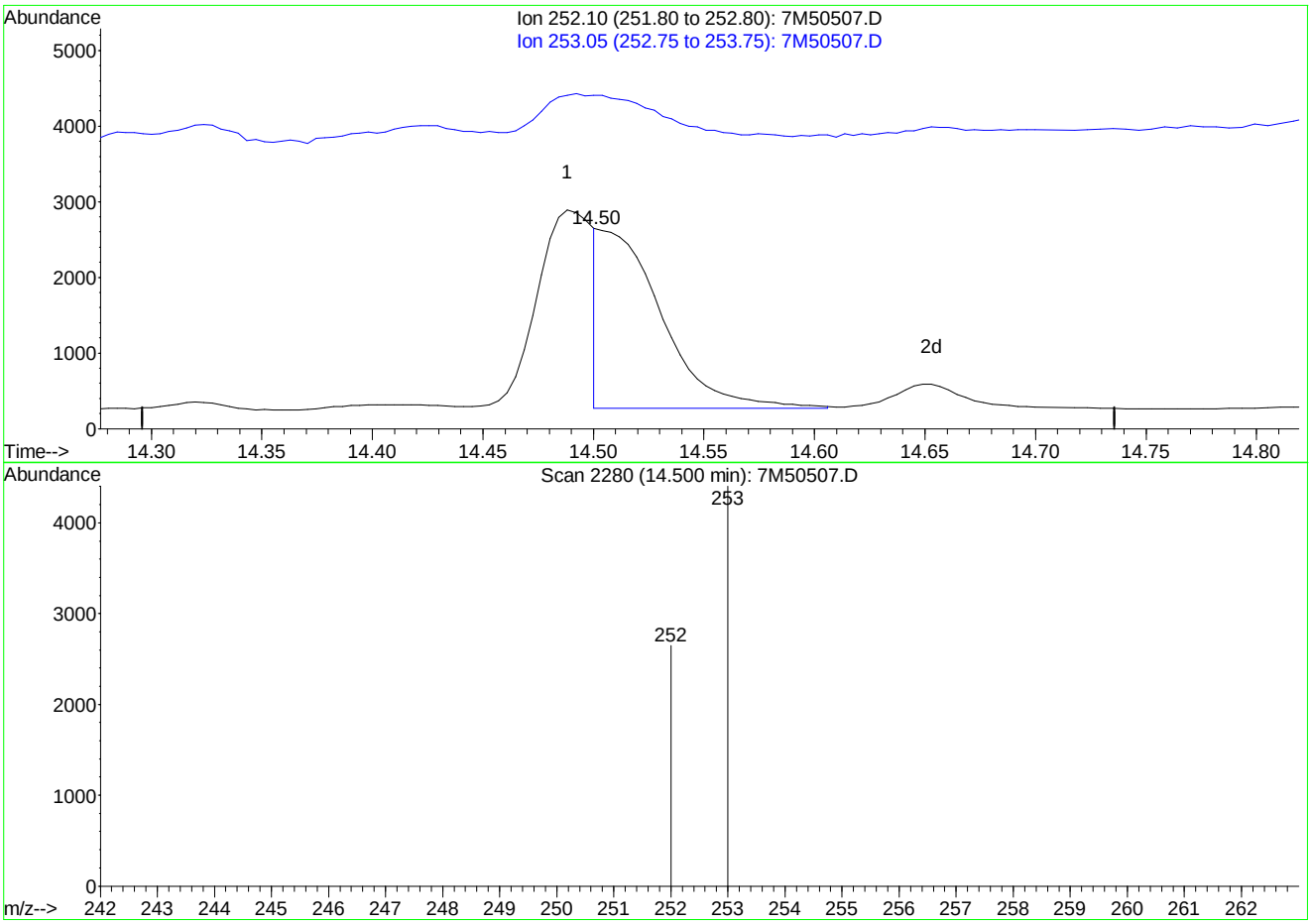
Ion	Exp%	Act%
252.10	100	100
253.05	26.00	21.24
0.00	0.00	0.00
0.00	0.00	0.00

7M50507.D SIMPAHL.M Tue Feb 22 06:54:32 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50507.D Vial: 7
Acq On : 21 Feb 2011 12:30 pm Operator: CAA
Sample : L11020447-01 REF Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50507.D

(22) Benzo[k]fluoranthene

14.50min 0.03ug/ml mint

response 4614

Ion	Exp%	Act%
252.10	100	100
253.05	26.00	42.46#
0.00	0.00	0.00
0.00	0.00	0.00

7M50507.D SIMPAHL.M Tue Feb 22 06:54:39 2011

Analyst: 02/22/2011 07:36 Supervisor: 02/22/2011 15:12

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50510.D Vial: 10
Acq On : 21 Feb 2011 1:53 pm Operator: CAA
Sample : L11020447-02 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:24 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

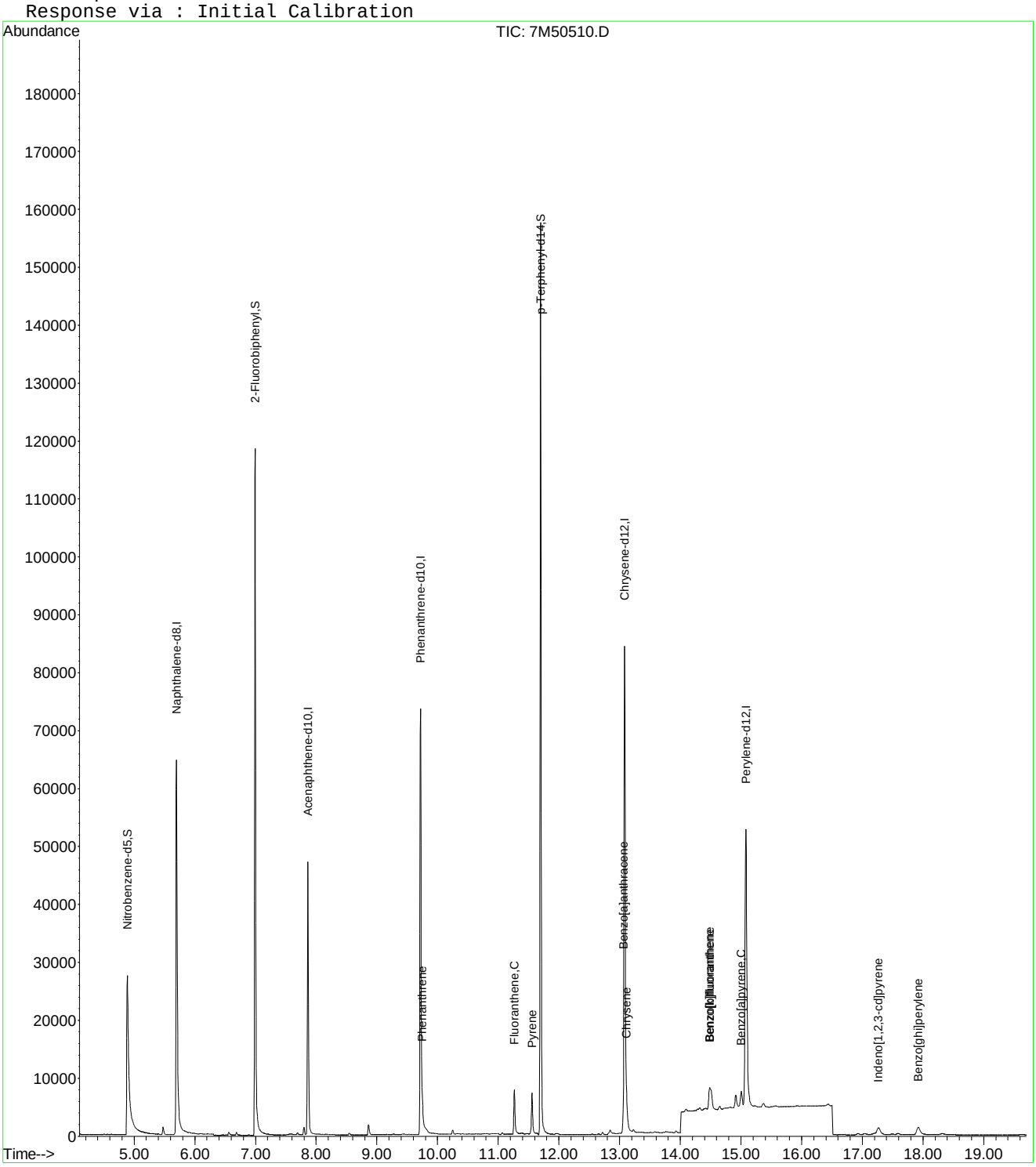
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	101394	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.87	164	65611	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	105700	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	116008	1.00	ug/ml	0.00
20) Perylene-d12	15.08	264	106390	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	47678	1.6667	ug/ml	-0.01
Spiked Amount 2.500	Range 23 - 120		Recovery = 66.80%			
7) 2-Fluorobiphenyl	6.99	172	113538	1.5097	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 60.40%			
17) p-Terphenyl-d14	11.70	244	170984	2.1769	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 87.20%			
Target Compounds						Qvalue
12) Phenanthrene	9.75	178	3380	0.0329	ug/ml	99
14) Fluoranthene	11.27	202	10248	0.0866	ug/ml	100
16) Pyrene	11.56	202	10787	0.0751	ug/ml	95
18) Benzo[a]anthracene	13.06	228	4670	0.0382	ug/ml	92
19) Chrysene	13.12	228	5819	0.0465	ug/ml	90
21) Benzo[b]fluoranthene	14.48	252	6336m	0.0564	ug/ml	
22) Benzo[k]fluoranthene	14.50	252	5108m	0.0387	ug/ml	
23) Benzo[a]pyrene	15.00	252	4926	0.0425	ug/ml#	72
24) Indeno[1,2,3-cd]pyrene	17.27	276	4340	0.0304	ug/ml	100
26) Benzo[ghi]perylene	17.92	276	4582	0.0378	ug/ml	98

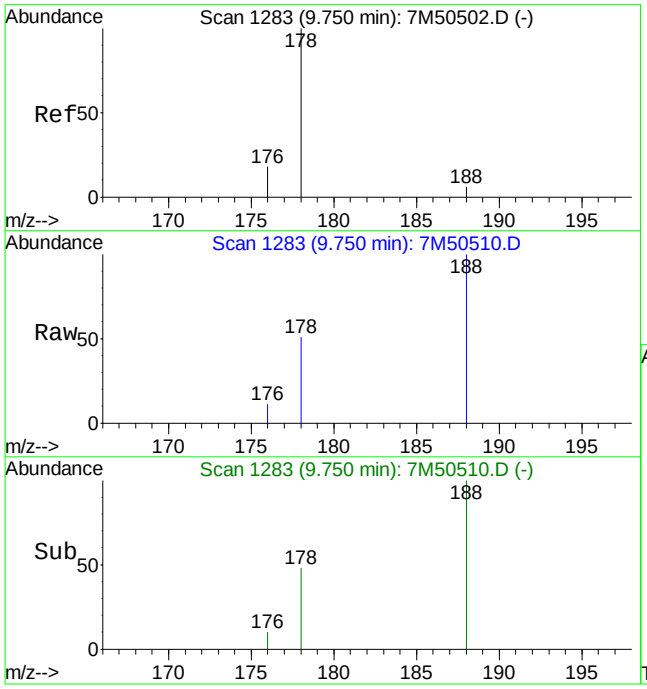
(#) = qualifier out of range (m) = manual integration
7M50510.D SIMPAHL.M Tue Feb 22 07:07:30 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50510.D Vial: 10
Acq On : 21 Feb 2011 1:53 pm Operator: CAA
Sample : L11020447-02 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:55 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration

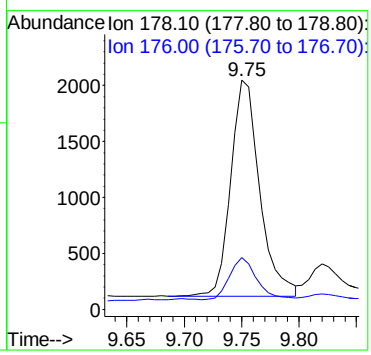


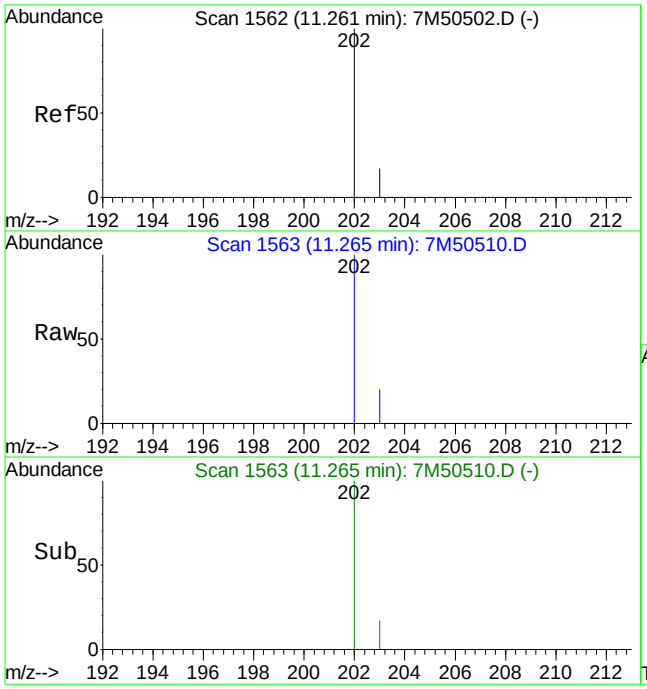


#12
Phenanthrene
Concen: 0.03 ug/ml
RT: 9.75 min Scan# 1283
Delta R.T. 0.01 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:178 Resp: 3380

Ion	Ratio	Lower	Upper
178	100		
176	18.4	11.3	26.3

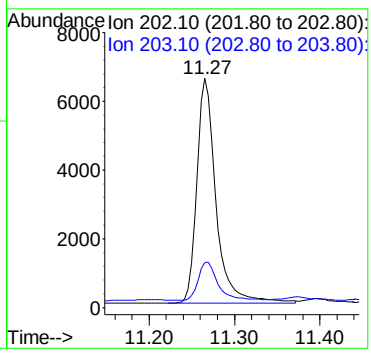


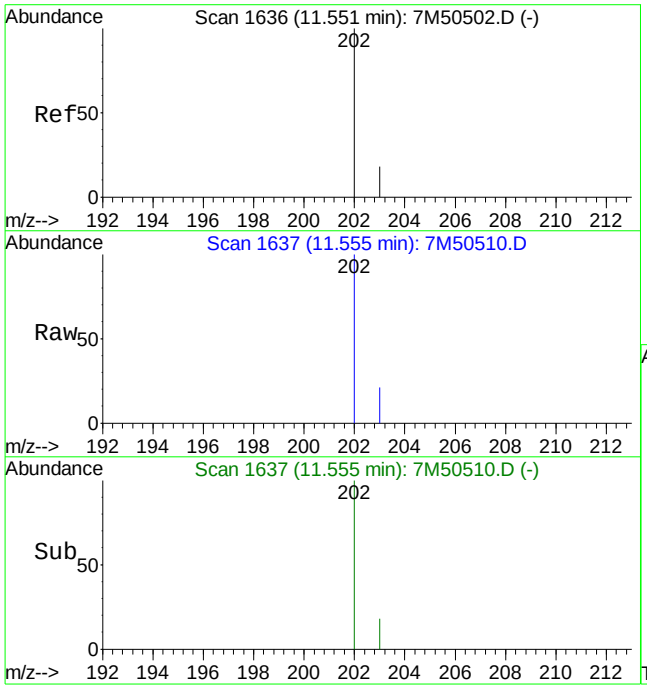


#14
Fluoranthene
Concen: 0.09 ug/ml
RT: 11.27 min Scan# 1563
Delta R.T. 0.03 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:202 Resp: 10248

Ion	Ratio	Lower	Upper
202	100		
203	17.5	10.4	24.2

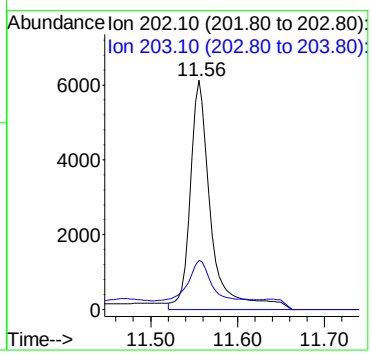


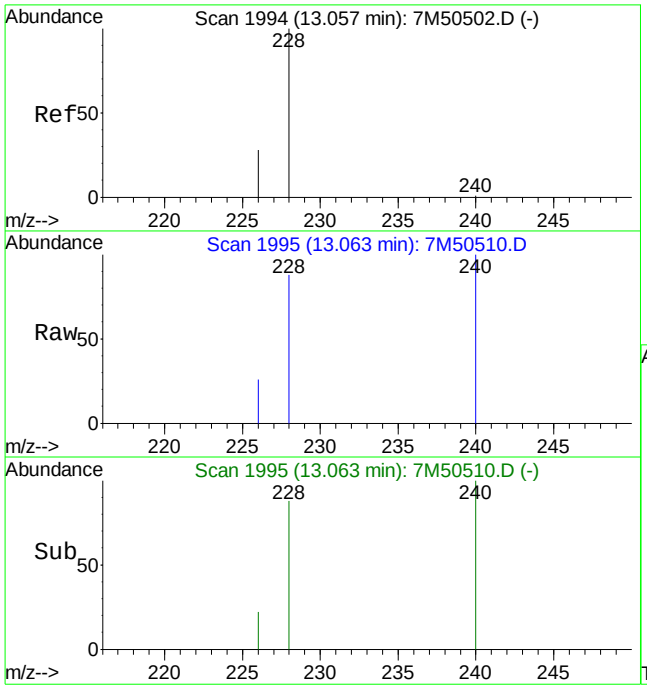


#16
Pyrene
Concen: 0.08 ug/ml
RT: 11.56 min Scan# 1637
Delta R.T. 0.00 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:202 Resp: 10787

Ion	Ratio	Lower	Upper
202	100		
203	16.0	11.0	25.6

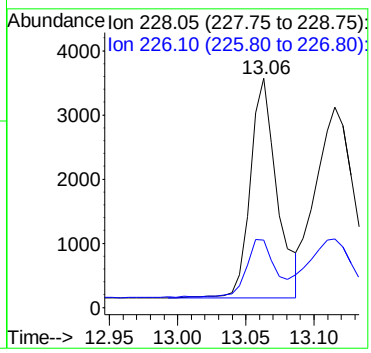


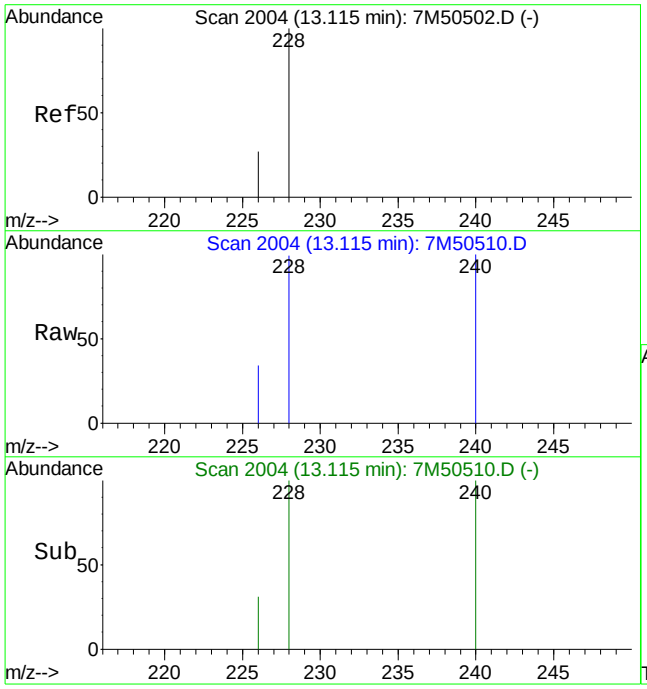


#18
Benzo[a]anthracene
Concen: 0.04 ug/ml
RT: 13.06 min Scan# 1995
Delta R.T. 0.01 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:228 Resp: 4670

Ion	Ratio	Lower	Upper
228	100		
226	29.6	15.2	35.4

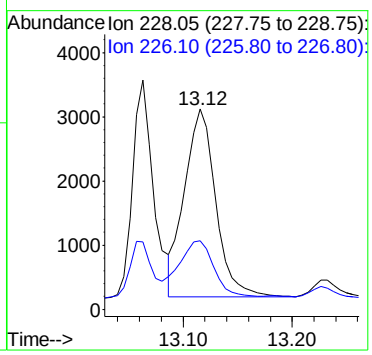


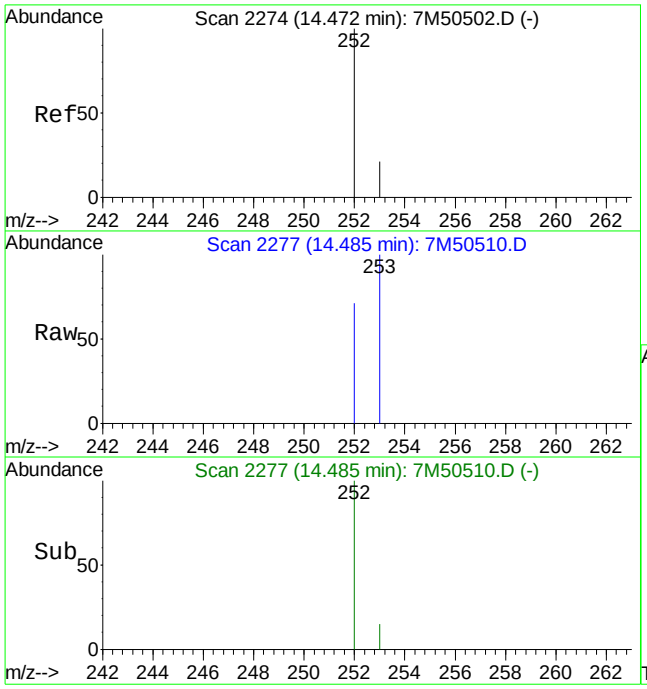


#19
Chrysene
Concen: 0.05 ug/ml
RT: 13.12 min Scan# 2004
Delta R.T. 0.01 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:228 Resp: 5819

Ion	Ratio	Lower	Upper
228	100		
226	33.9	17.2	40.2

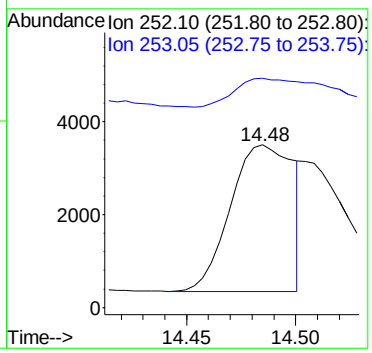


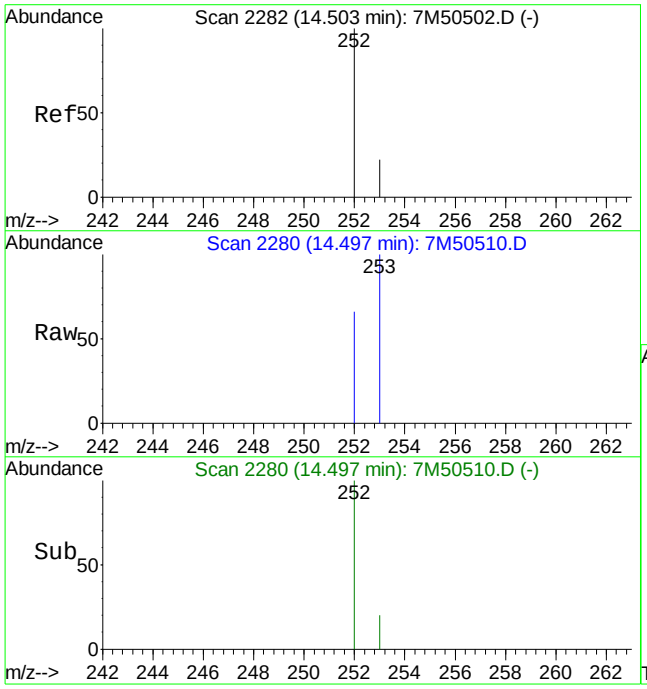


#21
Benzo[b]fluoranthene
Concen: 0.06 ug/ml m
RT: 14.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:252 Resp: 6336

Ion	Ratio	Lower	Upper
252	100		
253	38.1	15.4	35.8#

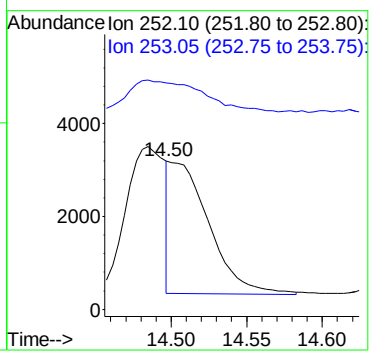


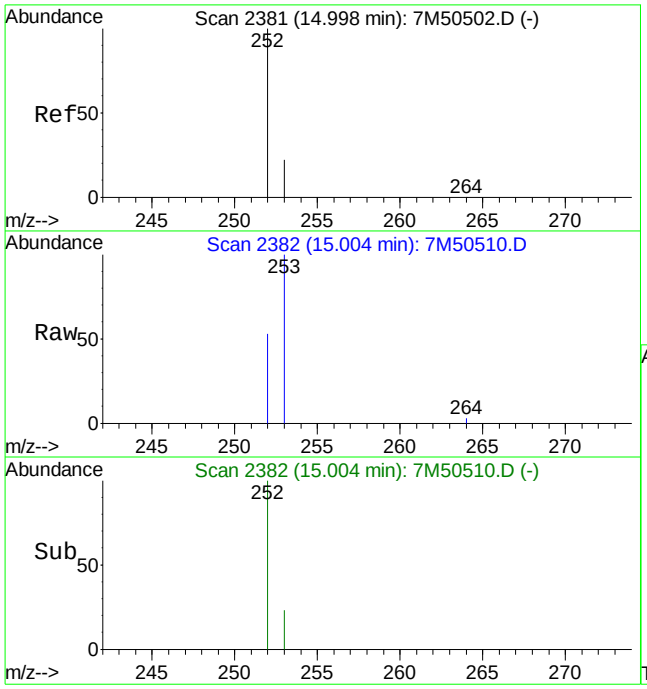


#22
Benzo[k]fluoranthene
Concen: 0.04 ug/ml m
RT: 14.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:252 Resp: 5108

Ion	Ratio	Lower	Upper
252	100		
253	46.8	15.6	36.4#

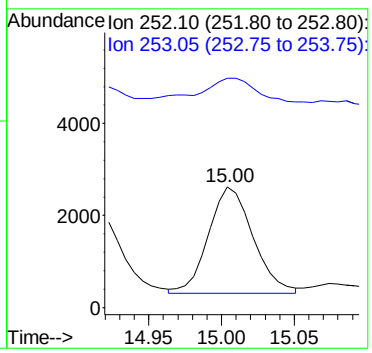


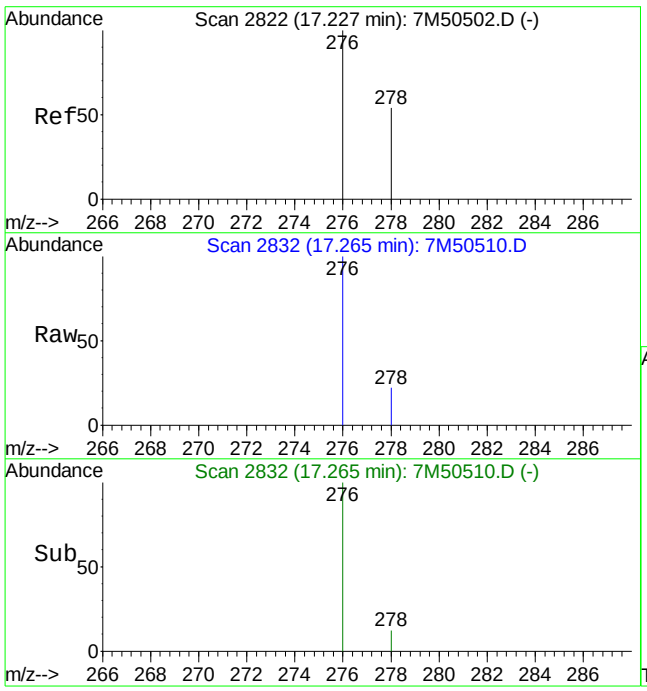


#23
Benzo[a]pyrene
Concen: 0.04 ug/ml
RT: 15.00 min Scan# 2382
Delta R.T. 0.02 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:252 Resp: 4926

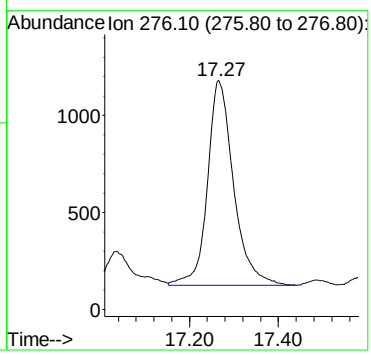
Ion	Ratio	Lower	Upper
252	100		
253	34.4	12.8	30.0#

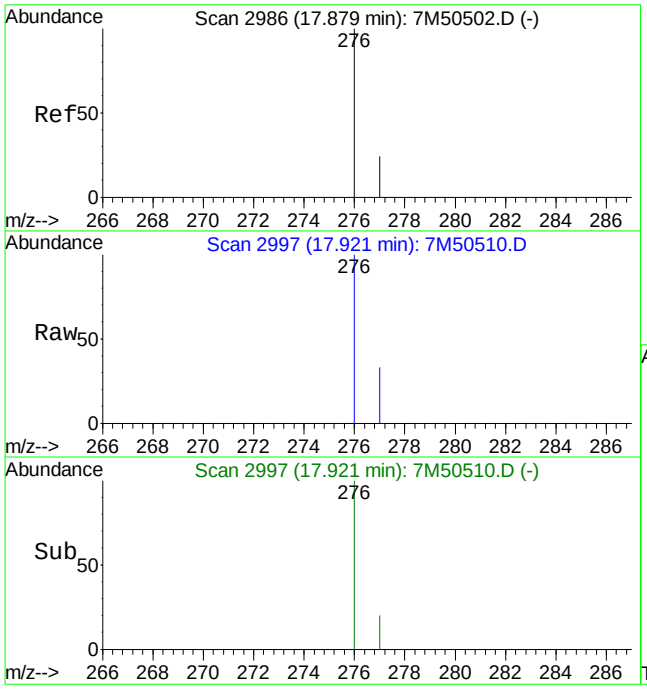




#24
Indeno[1,2,3-cd]pyrene
Concen: 0.03 ug/ml
RT: 17.27 min Scan# 2832
Delta R.T. -0.01 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:276 Resp: 4340

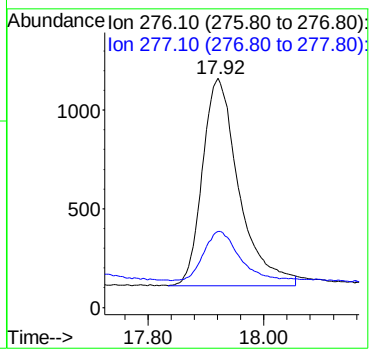




#26
Benzo[ghi]perylene
Concen: 0.04 ug/ml
RT: 17.92 min Scan# 2997
Delta R.T. 0.07 min
Lab File: 7M50510.D
Acq: 21 Feb 2011 1:53 pm

Tgt Ion:276 Resp: 4582

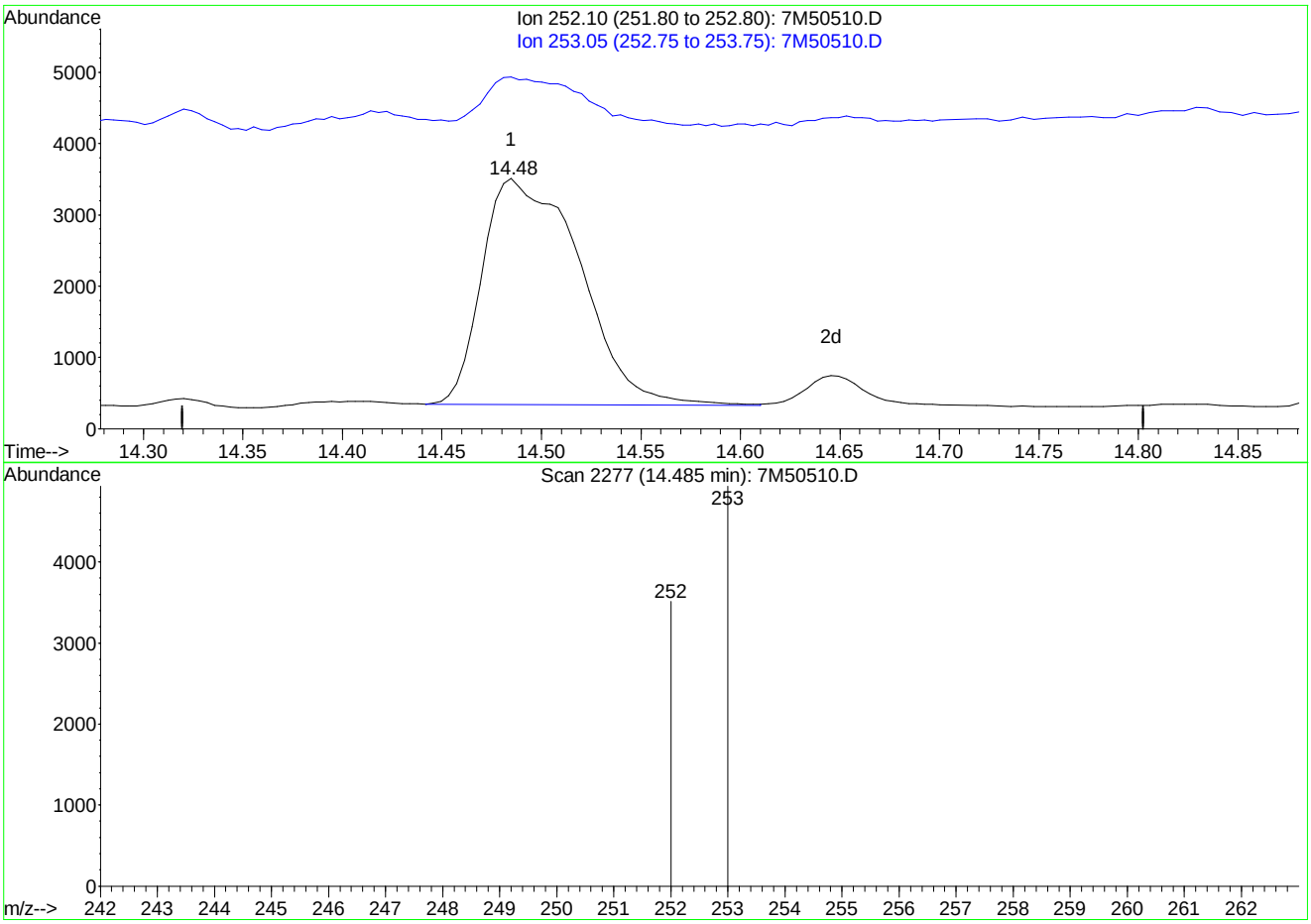
Ion	Ratio	Lower	Upper
276	100		
277	23.4	14.7	34.3



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50510.D Vial: 10
Acq On : 21 Feb 2011 1:53 pm Operator: CAA
Sample : L11020447-02 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50510.D

(21) Benzo[b]fluoranthene

14.48min 0.10ug/ml

response 10856

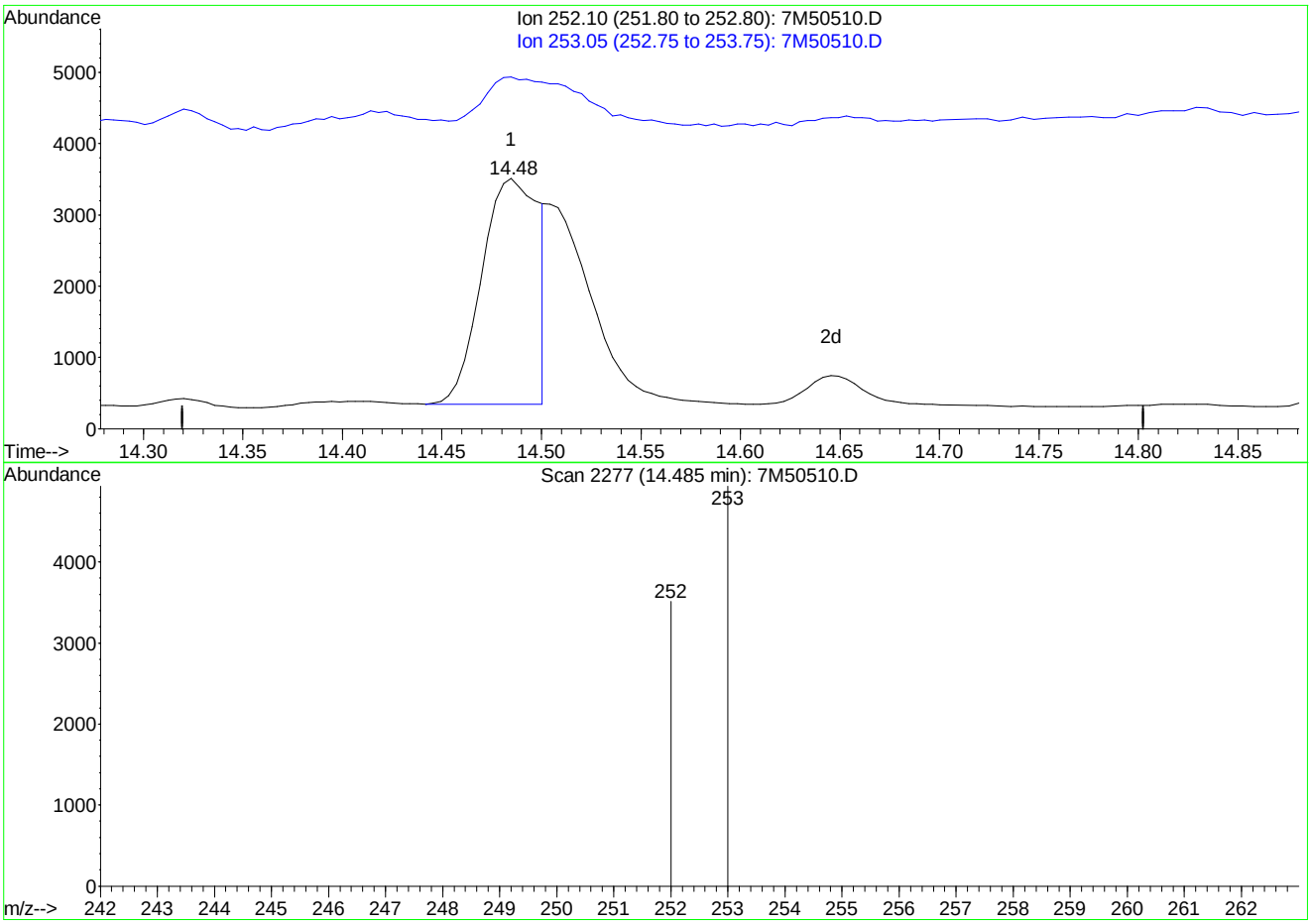
Ion	Exp%	Act%
252.10	100	100
253.05	25.60	22.26
0.00	0.00	0.00
0.00	0.00	0.00

7M50510.D SIMPAHL.M Tue Feb 22 06:54:55 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50510.D Vial: 10
Acq On : 21 Feb 2011 1:53 pm Operator: CAA
Sample : L11020447-02 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50510.D

(21) Benzo[b]fluoranthene

14.48min 0.06ug/ml mint

response 6336

Ion	Exp%	Act%
252.10	100	100
253.05	25.60	38.15#
0.00	0.00	0.00
0.00	0.00	0.00

7M50510.D SIMPAHL.M Tue Feb 22 06:55:01 2011

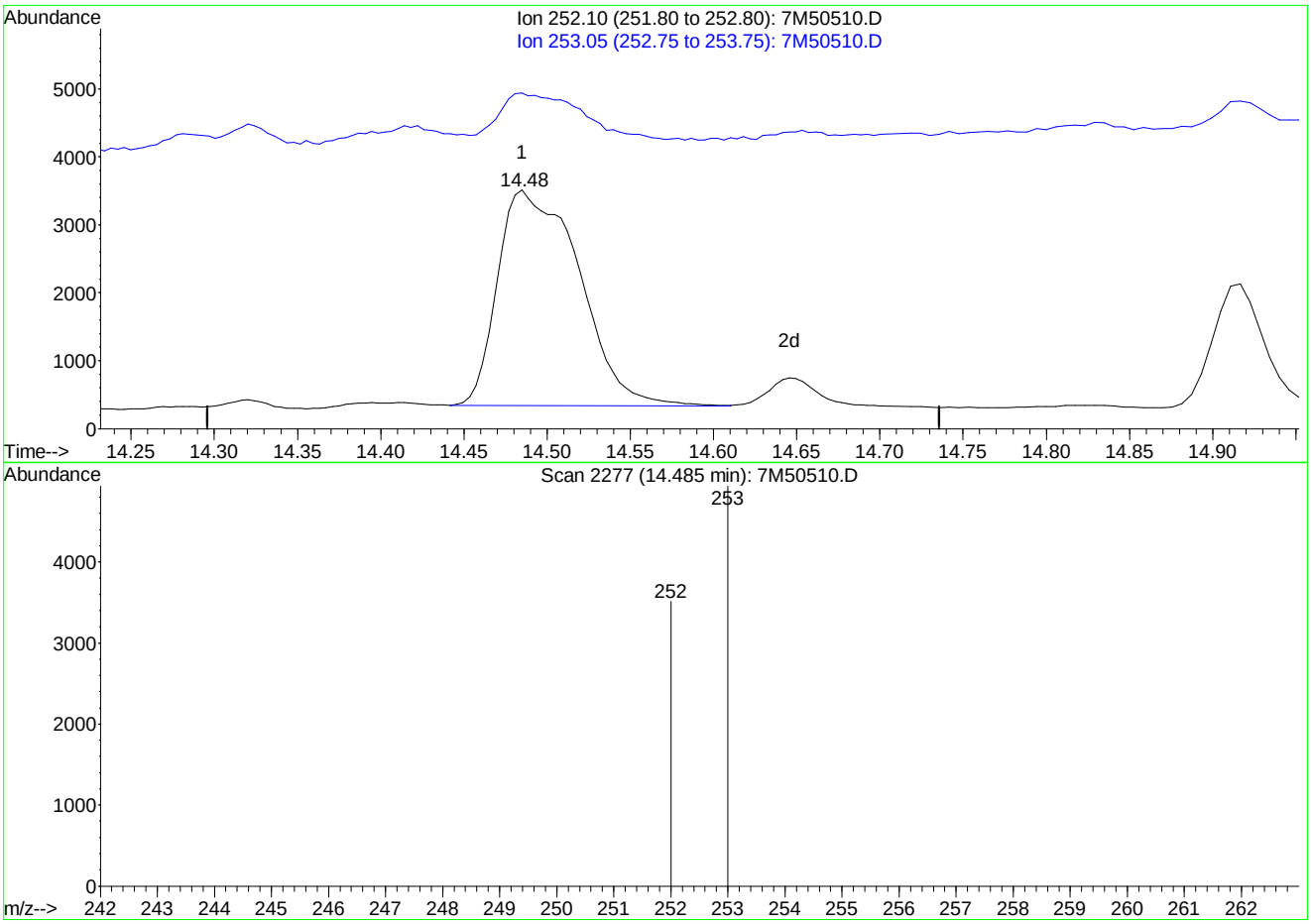
Analyst: 02/22/2011 07:36 Supervisor: 02/22/2011 15:13

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50510.D Vial: 10
Acq On : 21 Feb 2011 1:53 pm Operator: CAA
Sample : L11020447-02 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50510.D

(22) Benzo[k]fluoranthene

14.48min 0.08ug/ml

response 10790

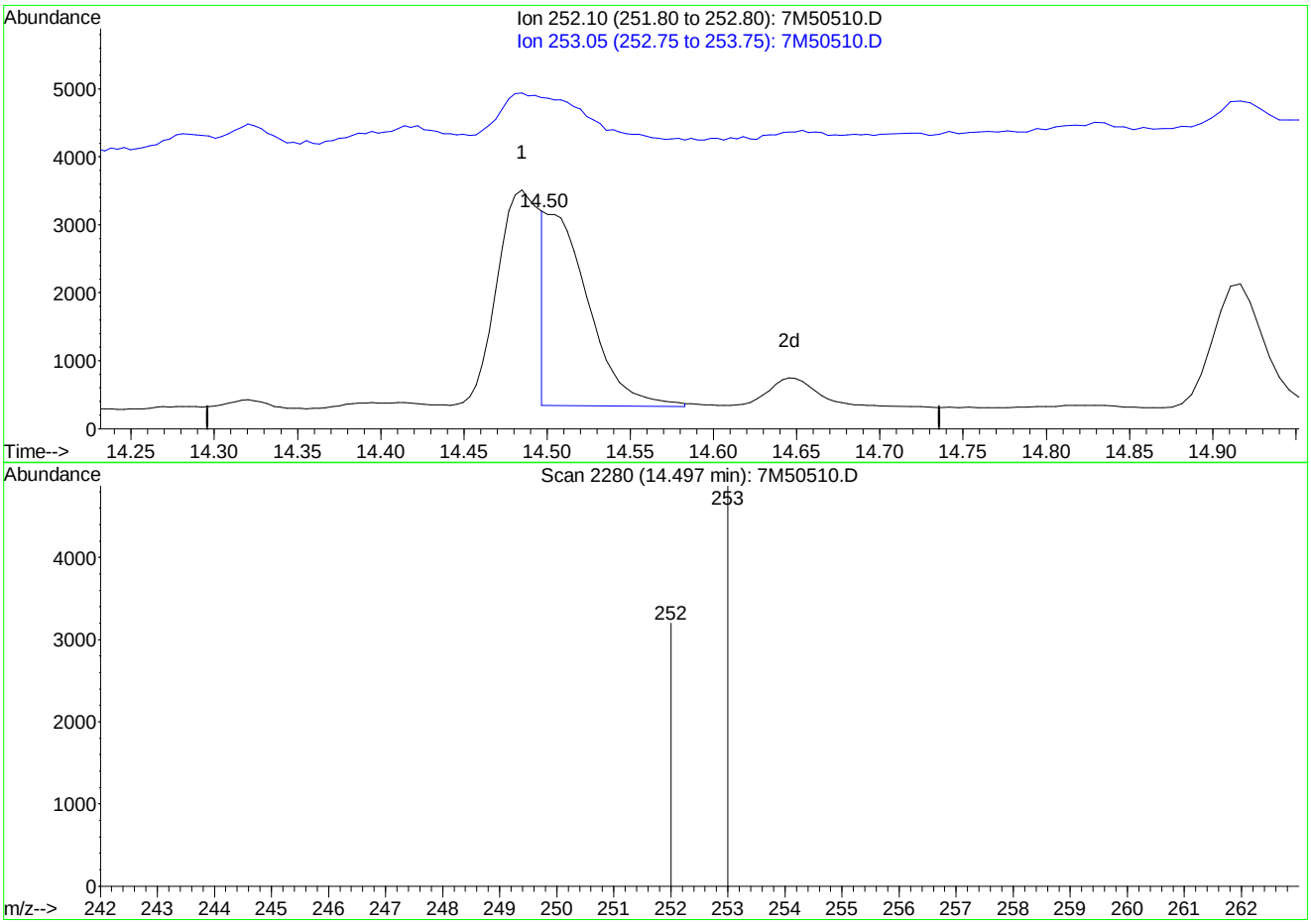
Ion	Exp%	Act%
252.10	100	100
253.05	26.00	22.13
0.00	0.00	0.00
0.00	0.00	0.00

7M50510.D SIMPAHL.M Tue Feb 22 06:55:05 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50510.D Vial: 10
Acq On : 21 Feb 2011 1:53 pm Operator: CAA
Sample : L11020447-02 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:55 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50510.D

(22) Benzo[k]fluoranthene

14.50min 0.04ug/ml mint

response 5108

Ion	Exp%	Act%
252.10	100	100
253.05	26.00	46.75#
0.00	0.00	0.00
0.00	0.00	0.00

7M50510.D SIMPAHL.M Tue Feb 22 06:55:11 2011

Analyst: 02/22/2011 07:36 Supervisor: 02/22/2011 15:13

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50508.D Vial: 8
Acq On : 21 Feb 2011 12:58 pm Operator: CAA
Sample : L11020447-03 MS Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:23 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

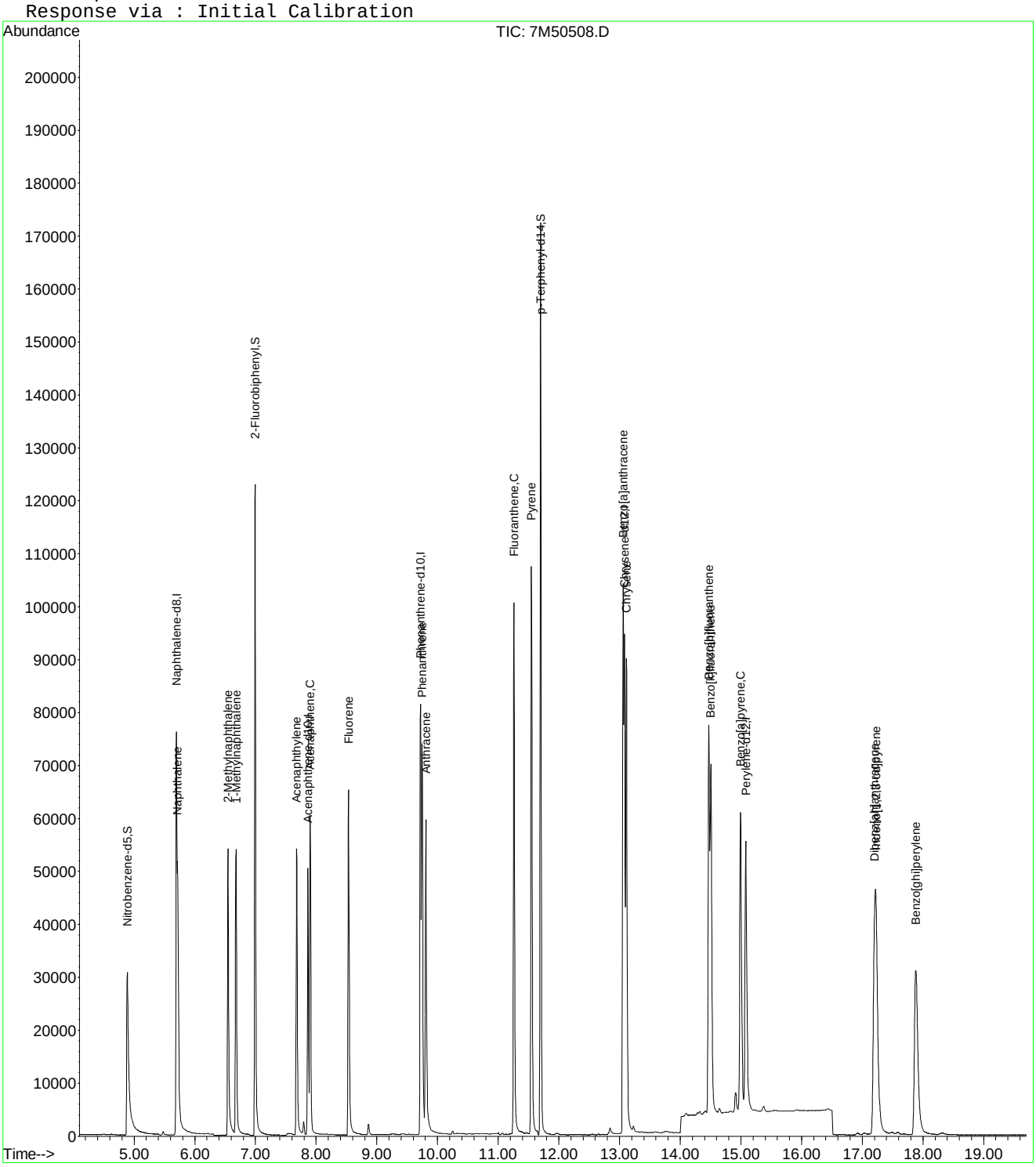
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	107050	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.87	164	67257	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	106702	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	118390	1.00	ug/ml	0.00
20) Perylene-d12	15.08	264	109009	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	52838	1.7495	ug/ml	-0.01
Spiked Amount 2.500	Range 23 - 120		Recovery = 70.00%			
7) 2-Fluorobiphenyl	7.00	172	119897	1.5552	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 62.40%			
17) p-Terphenyl-d14	11.70	244	191765	2.3924	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 95.60%			
Target Compounds						Qvalue
3) Naphthalene	5.72	128	61542	0.6086	ug/ml	100
4) 2-Methylnaphthalene	6.55	142	42720	0.6554	ug/ml	100
5) 1-Methylnaphthalene	6.68	142	39246	0.5987	ug/ml	99
8) Acenaphthylene	7.68	152	60910	0.4994	ug/ml	100
9) Acenaphthene	7.90	154	37218	0.5392	ug/ml	97
10) Fluorene	8.53	166	46319	0.5811	ug/ml	100
12) Phenanthrene	9.74	178	82350	0.7944	ug/ml	99
13) Anthracene	9.81	178	72370	0.8023	ug/ml	99
14) Fluoranthene	11.26	202	119668	1.0012	ug/ml	100
16) Pyrene	11.55	202	132356	0.9034	ug/ml	96
18) Benzo[a]anthracene	13.06	228	104467	0.8382	ug/ml	97
19) Chrysene	13.12	228	104983	0.8229	ug/ml	99
21) Benzo[b]fluoranthene	14.47	252	105648	0.9179	ug/ml	91
22) Benzo[k]fluoranthene	14.50	252	88588	0.6558	ug/ml	93
23) Benzo[a]pyrene	14.99	252	99278	0.8364	ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.23	276	115481	0.7904	ug/ml	100
25) Dibenz[ah]anthracene	17.20	278	96351	0.7892	ug/ml	100
26) Benzo[ghi]perylene	17.88	276	101074	0.8130	ug/ml	98

(#) = qualifier out of range (m) = manual integration
7M50508.D SIMPAHL.M Tue Feb 22 06:58:14 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50508.D Vial: 8
Acq On : 21 Feb 2011 12:58 pm Operator: CAA
Sample : L11020447-03 MS Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50509.D Vial: 9
Acq On : 21 Feb 2011 1:25 pm Operator: CAA
Sample : L11020447-04 MSD Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:24 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

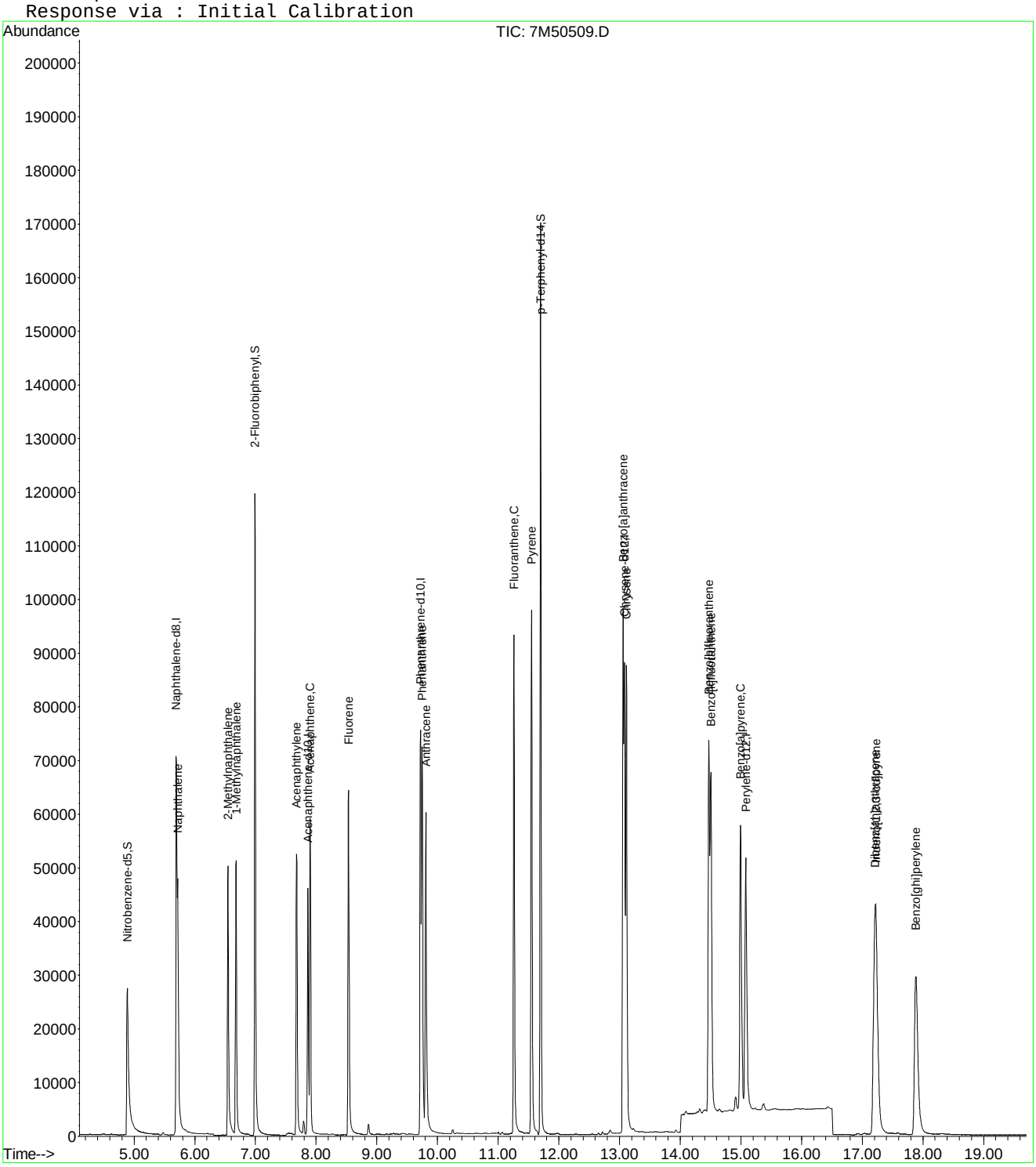
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.69	136	101440	1.00	ug/ml	0.00
6) Acenaphthene-d10	7.86	164	62438	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	100268	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	111767	1.00	ug/ml	0.00
20) Perylene-d12	15.08	264	101778	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	46499	1.6248	ug/ml	-0.01
Spiked Amount 2.500	Range 23 - 120		Recovery = 64.80%			
7) 2-Fluorobiphenyl	6.99	172	113098	1.5803	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 63.20%			
17) p-Terphenyl-d14	11.70	244	186425	2.4636	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 98.40%			
Target Compounds						Qvalue
3) Naphthalene	5.72	128	55195	0.5760	ug/ml	100
4) 2-Methylnaphthalene	6.55	142	39538	0.6402	ug/ml	100
5) 1-Methylnaphthalene	6.68	142	36618	0.5895	ug/ml	99
8) Acenaphthylene	7.68	152	58172	0.5138	ug/ml	99
9) Acenaphthene	7.90	154	35801	0.5587	ug/ml	96
10) Fluorene	8.53	166	46460	0.6278	ug/ml	99
12) Phenanthrene	9.74	178	80908	0.8305	ug/ml	99
13) Anthracene	9.81	178	73187	0.8635	ug/ml	99
14) Fluoranthene	11.26	202	108021	0.9618	ug/ml	100
16) Pyrene	11.55	202	121932	0.8815	ug/ml	96
18) Benzo[a]anthracene	13.06	228	97762	0.8309	ug/ml	97
19) Chrysene	13.11	228	98988	0.8218	ug/ml	99
21) Benzo[b]fluoranthene	14.47	252	100239	0.9327	ug/ml	92
22) Benzo[k]fluoranthene	14.50	252	82674	0.6555	ug/ml	93
23) Benzo[a]pyrene	14.99	252	91734	0.8278	ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.23	276	109107	0.7999	ug/ml	100
25) Dibenz[ah]anthracene	17.20	278	91984	0.8070	ug/ml	100
26) Benzo[ghi]perylene	17.88	276	95262	0.8207	ug/ml	98

(#) = qualifier out of range (m) = manual integration
7M50509.D SIMPAHL.M Tue Feb 22 06:58:15 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50509.D Vial: 9
Acq On : 21 Feb 2011 1:25 pm Operator: CAA
Sample : L11020447-04 MSD Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03987.D
Acq On : 22 Feb 2011 1:29 pm
Operator : CAA
Sample : L11020447-05 827-PAHL
Misc : 1,1
ALS Vial : 6 Sample Multiplier: 1

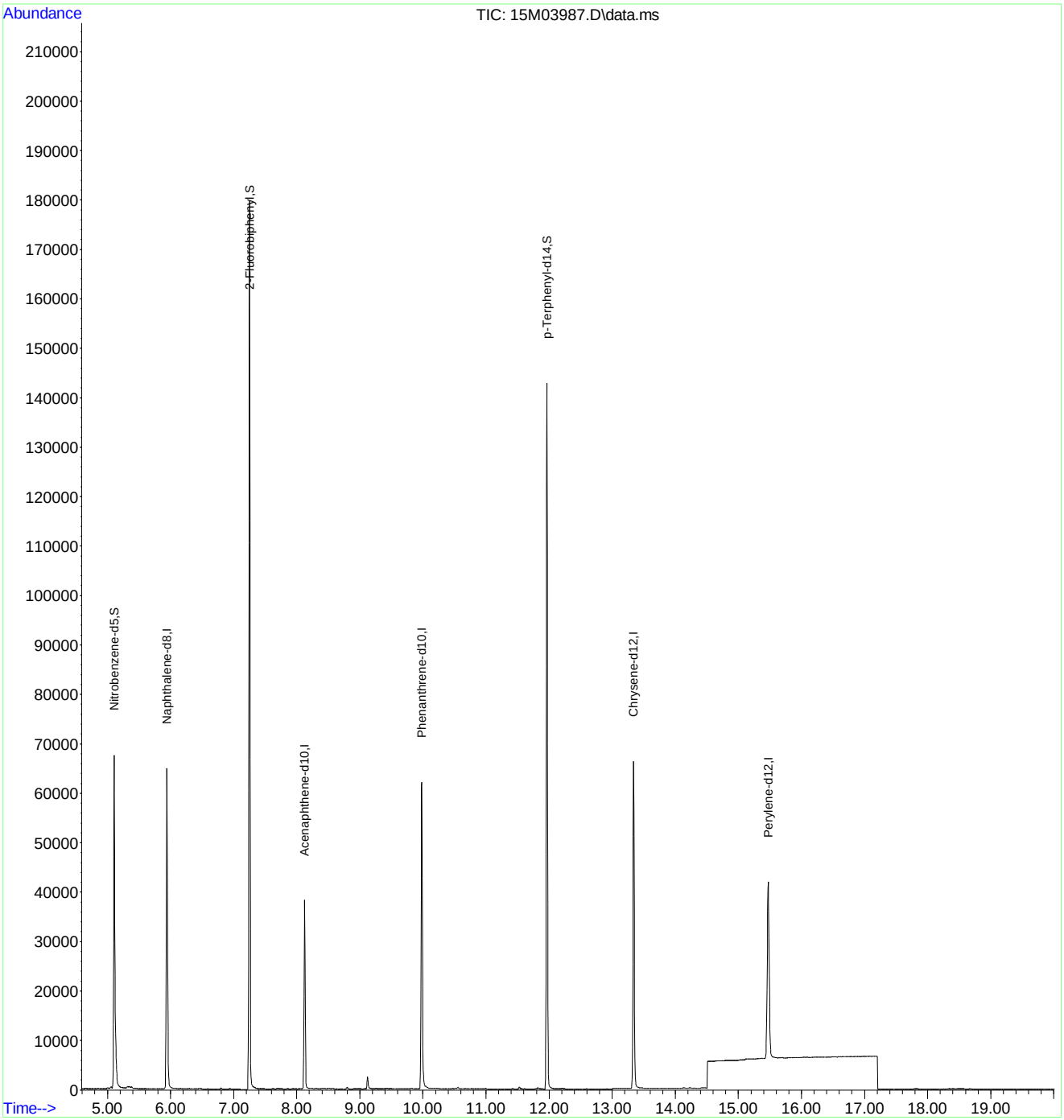
Quant Time: Feb 22 13:49:02 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.943	136	86826	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.125	164	47288	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.982	188	83101	1.00	ug/mL	0.00
15) Chrysene-d12	13.338	240	87538	1.00	ug/mL	-0.01
20) Perylene-d12	15.474	264	79484	1.00	ug/mL	-0.01
System Monitoring Compounds						
2) Nitrobenzene-d5	5.107	82	70932	2.39	ug/mL	-0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 95.60%			
7) 2-Fluorobiphenyl	7.249	172	155566	2.49	ug/mL	-0.01
Spiked Amount 2.500	Range 43 - 116		Recovery = 99.60%			
17) p-Terphenyl-d14	11.964	244	148636	2.57	ug/mL	-0.01
Spiked Amount 2.500	Range 33 - 141		Recovery = 102.80%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03987.D
Acq On : 22 Feb 2011 1:29 pm
Operator : CAA
Sample : L11020447-05 827-PAHL
Misc : 1,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 22 13:49:02 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50505.D Vial: 5
Acq On : 21 Feb 2011 11:36 am Operator: CAA
Sample : L11020447-06 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:21 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	94647	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.86	164	62353	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	100346	1.00	ug/ml	0.01
15) Chrysene-d12	13.09	240	112822	1.00	ug/ml	0.01
20) Perylene-d12	15.08	264	103965	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	48760	1.8260	ug/ml	-0.01
Spiked Amount 2.500	Range 23 - 120		Recovery = 73.20%			
7) 2-Fluorobiphenyl	6.99	172	118503	1.6580	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 66.40%			
17) p-Terphenyl-d14	11.70	244	176838	2.3150	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 92.80%			

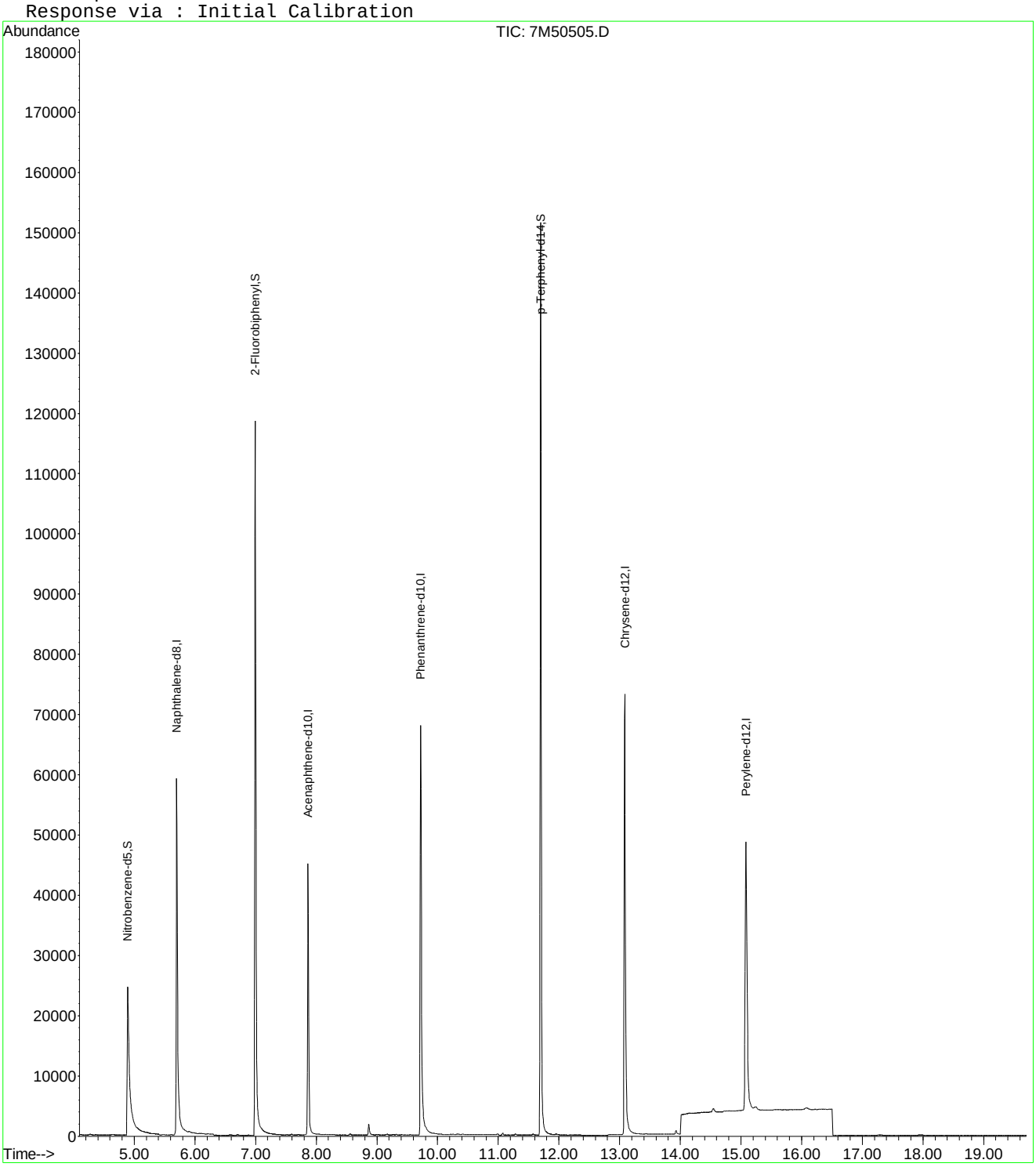
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
7M50505.D SIMPAHL.M Tue Feb 22 07:07:25 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50505.D Vial: 5
Acq On : 21 Feb 2011 11:36 am Operator: CAA
Sample : L11020447-06 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50506.D Vial: 6
Acq On : 21 Feb 2011 12:03 pm Operator: CAA
Sample : L11020447-07 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:21 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	96067	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.86	164	62828	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	100908	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	115925	1.00	ug/ml	0.00
20) Perylene-d12	15.08	264	106753	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	46570	1.7182	ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 68.80%			
7) 2-Fluorobiphenyl	6.99	172	111934	1.5543	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 62.00%			
17) p-Terphenyl-d14	11.70	244	197253	2.5132	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 100.40%			

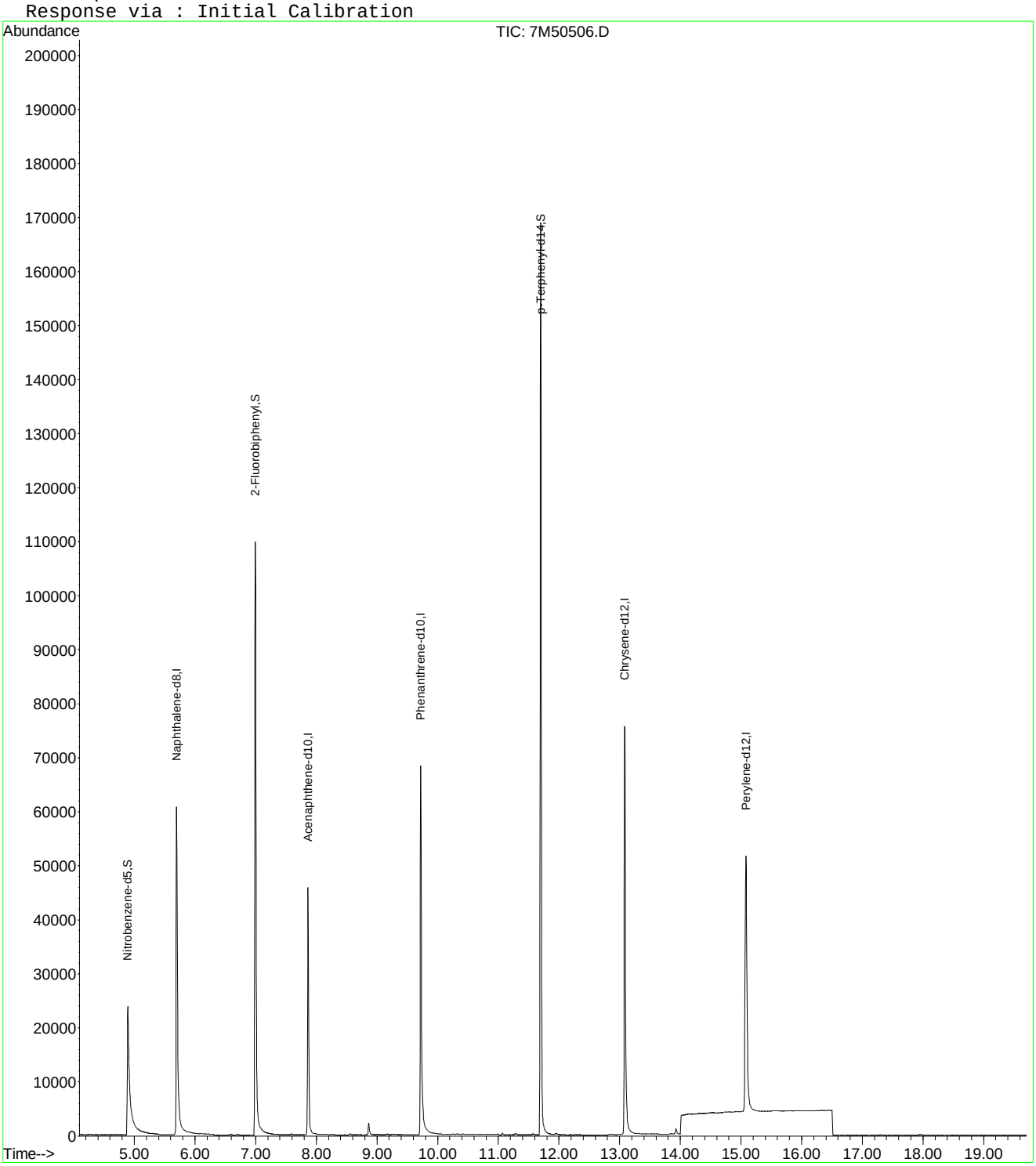
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration
7M50506.D SIMPAHL.M Tue Feb 22 07:07:26 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50506.D Vial: 6
Acq On : 21 Feb 2011 12:03 pm Operator: CAA
Sample : L11020447-07 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration



2.1.1.4 Standards Data

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50417.D Vial: 2
Acq On : 11 Feb 2011 1:30 pm Operator: CAA
Sample : WG356259-02 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:56:45 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:56:41 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

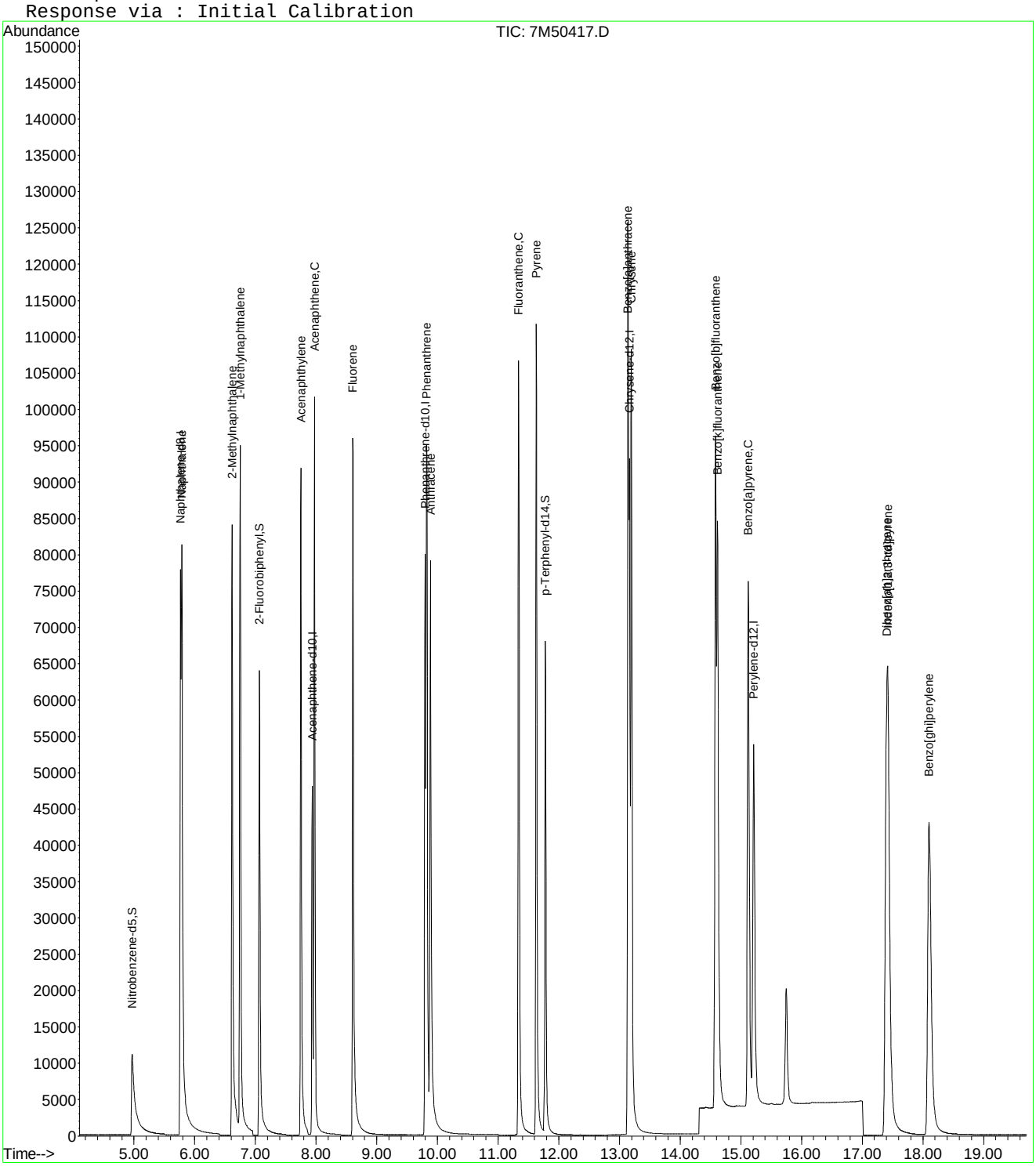
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.76	136	109023	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.94	164	59479	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.80	188	109027	1.00	ug/ml	0.00
15) Chrysene-d12	13.16	240	117681	1.00	ug/ml	0.00
20) Perylene-d12	15.21	264	116769	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.97	82	29224	0.9371	ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 37.60%			
7) 2-Fluorobiphenyl	7.07	172	73545	1.1315	ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 45.20%			
17) p-Terphenyl-d14	11.78	244	82013	1.0488	ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 42.00%			
Target Compounds						Qvalue
3) Naphthalene	5.79	128	106827	0.9905	ug/ml	100
4) 2-Methylnaphthalene	6.62	142	71292	1.0811	ug/ml	99
5) 1-Methylnaphthalene	6.75	142	68572	1.0059	ug/ml	98
8) Acenaphthylene	7.75	152	116961	1.1191	ug/ml	99
9) Acenaphthene	7.97	154	64703	0.9611	ug/ml	95
10) Fluorene	8.61	166	77052	1.0908	ug/ml	99
12) Phenanthrene	9.83	178	111864	0.9853	ug/ml	100
13) Anthracene	9.88	178	104230	0.9843	ug/ml	100
14) Fluoranthene	11.34	202	132445	1.0214	ug/ml	100
16) Pyrene	11.63	202	150689	0.8858	ug/ml	100
18) Benzo[a]anthracene	13.14	228	133840	1.0226	ug/ml	99
19) Chrysene	13.20	228	126737	0.9068	ug/ml	99
21) Benzo[b]fluoranthene	14.58	252	137328	1.0935	ug/ml	100
22) Benzo[k]fluoranthene	14.62	252	134128	0.8336	ug/ml	98
23) Benzo[a]pyrene	15.12	252	135369	0.9813	ug/ml	88
24) Indeno[1,2,3-cd]pyrene	17.43	276	171327	1.2159	ug/ml	100
25) Dibenz[ah]anthracene	17.40	278	143463	1.2591	ug/ml	100
26) Benzo[ghi]perylene	18.10	276	145431	1.2274	ug/ml	100

(#) = qualifier out of range (m) = manual integration
7M50417.D SIMPAHL.M Mon Feb 14 07:16:27 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50417.D Vial: 2
Acq On : 11 Feb 2011 1:30 pm Operator: CAA
Sample : WG356259-02 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:56 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50418.D Vial: 3
Acq On : 11 Feb 2011 1:57 pm Operator: CAA
Sample : WG356259-03 10ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:57:46 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:57:36 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

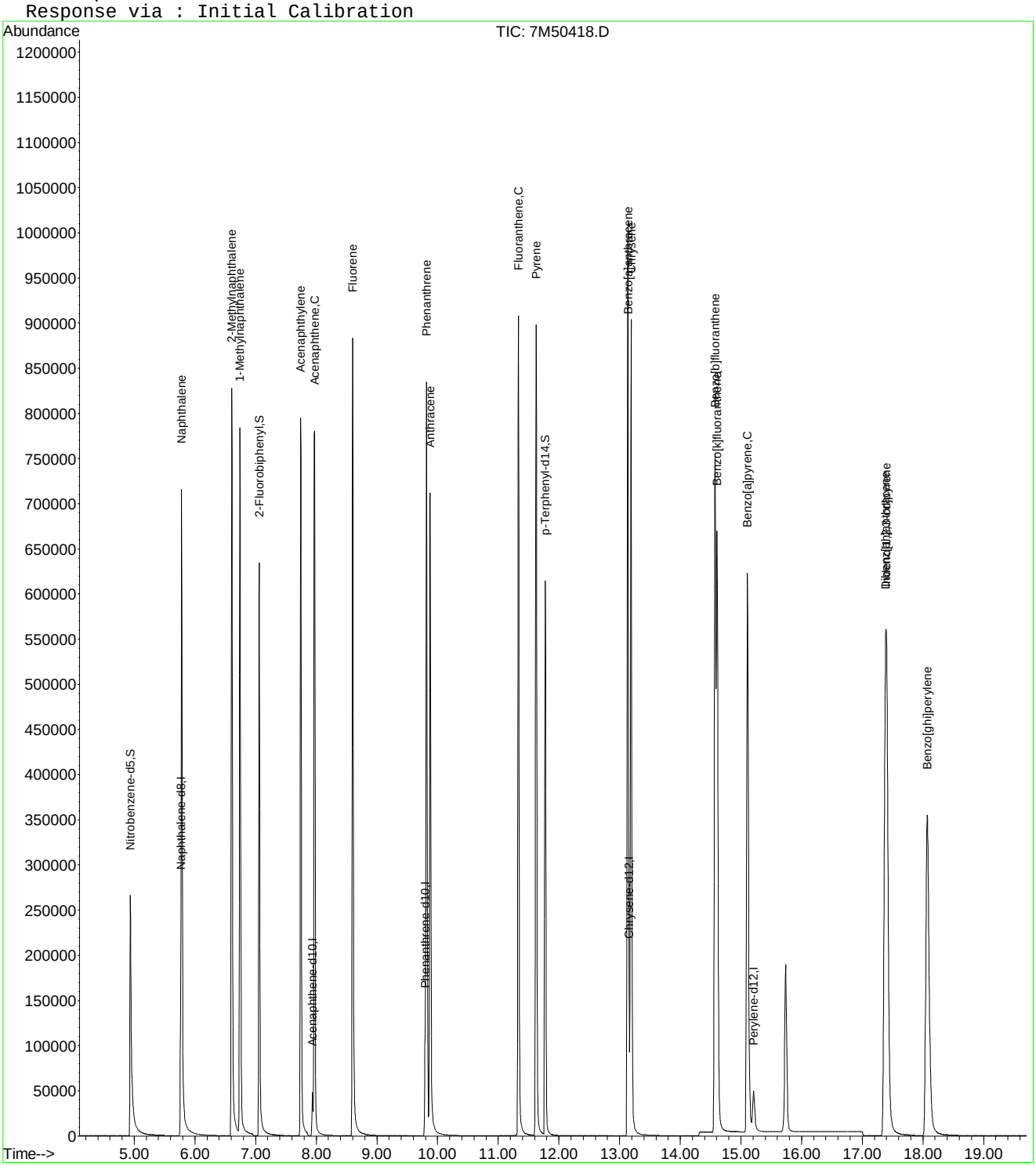
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.76	136	111058	1.00	ug/ml	0.00
6) Acenaphthene-d10	7.94	164	60793	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.79	188	113510	1.00	ug/ml	0.00
15) Chrysene-d12	13.16	240	100177	1.00	ug/ml	0.00
20) Perylene-d12	15.21	264	103160	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.94	82	347841	11.1588	ug/ml	-0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 446.40%#			
7) 2-Fluorobiphenyl	7.06	172	619480	9.2448	ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 369.60%#			
17) p-Terphenyl-d14	11.77	244	631145	9.4525	ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 378.00%#			
Target Compounds						Qvalue
3) Naphthalene	5.78	128	903298	8.2680	ug/ml	99
4) 2-Methylnaphthalene	6.61	142	604358	8.9979	ug/ml	100
5) 1-Methylnaphthalene	6.74	142	538172	7.7660	ug/ml	100
8) Acenaphthylene	7.74	152	973230	9.0614	ug/ml	99
9) Acenaphthene	7.97	154	523252	7.7075	ug/ml	100
10) Fluorene	8.60	166	635920	8.8102	ug/ml	100
12) Phenanthrene	9.82	178	949851	8.1101	ug/ml	98
13) Anthracene	9.88	178	880580	8.1480	ug/ml	98
14) Fluoranthene	11.33	202	1062024	7.9164	ug/ml	98
16) Pyrene	11.62	202	1132706	7.9901	ug/ml	98
18) Benzo[a]anthracene	13.14	228	1093733	9.8744	ug/ml	96
19) Chrysene	13.19	228	982165	8.3984	ug/ml	98
21) Benzo[b]fluoranthene	14.57	252	1145127	10.3972	ug/ml	97
22) Benzo[k]fluoranthene	14.60	252	939744	6.7218	ug/ml	96
23) Benzo[a]pyrene	15.11	252	1091014	9.0319	ug/ml	98
24) Indeno[1,2,3-cd]pyrene	17.40	276	1286114	10.1221	ug/ml	100
25) Dibenz[ah]anthracene	17.38	278	1110031	10.7613	ug/ml	100
26) Benzo[ghi]perylene	18.07	276	1119202	10.4534	ug/ml	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50418.D Vial: 3
Acq On : 11 Feb 2011 1:57 pm Operator: CAA
Sample : WG356259-03 10ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:57 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50419.D Vial: 4
Acq On : 11 Feb 2011 2:25 pm Operator: CAA
Sample : WG356259-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:58:00 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:57:56 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

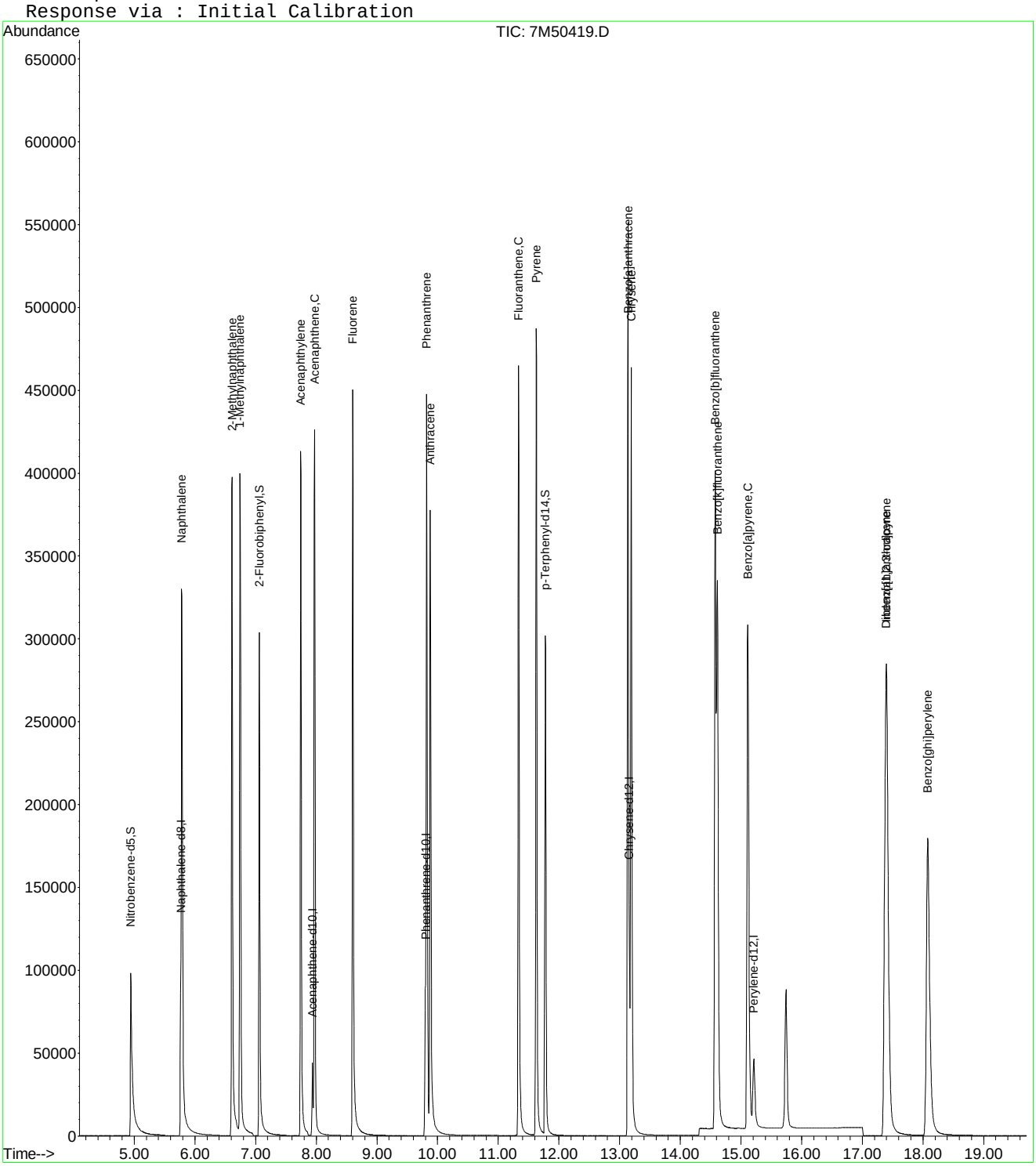
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.76	136	99379	1.00	ug/ml	0.00
6) Acenaphthene-d10	7.94	164	55839	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.80	188	102875	1.00	ug/ml	0.00
15) Chrysene-d12	13.16	240	100179	1.00	ug/ml	0.00
20) Perylene-d12	15.21	264	99231	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.94	82	156035	5.5597	ug/ml	-0.02
Spiked Amount 2.500	Range 35 - 114		Recovery = 222.40%#			
7) 2-Fluorobiphenyl	7.06	172	313675	5.1061	ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 204.40%#			
17) p-Terphenyl-d14	11.77	244	333772	4.9836	ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 199.20%#			
Target Compounds						Qvalue
3) Naphthalene	5.79	128	452741	4.6656	ug/ml	100
4) 2-Methylnaphthalene	6.61	142	304466	5.0785	ug/ml	100
5) 1-Methylnaphthalene	6.74	142	274065	4.4308	ug/ml	100
8) Acenaphthylene	7.74	152	497775	5.0389	ug/ml	100
9) Acenaphthene	7.97	154	267978	4.3623	ug/ml	100
10) Fluorene	8.60	166	328594	4.9827	ug/ml	100
12) Phenanthrene	9.82	178	492730	4.6962	ug/ml	100
13) Anthracene	9.88	178	455540	4.7179	ug/ml	99
14) Fluoranthene	11.34	202	560282	4.6190	ug/ml	99
16) Pyrene	11.63	202	603662	4.3257	ug/ml	99
18) Benzo[a]anthracene	13.14	228	565990	5.1223	ug/ml	97
19) Chrysene	13.19	228	522091	4.4974	ug/ml	100
21) Benzo[b]fluoranthene	14.58	252	551407	5.1384	ug/ml	94
22) Benzo[k]fluoranthene	14.61	252	534070m	3.9714	ug/ml	
23) Benzo[a]pyrene	15.11	252	557939	4.8117	ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.41	276	662303	5.3775	ug/ml	100
25) Dibenz[ah]anthracene	17.38	278	564783	5.6282	ug/ml	100
26) Benzo[ghi]perylene	18.08	276	568412	5.4776	ug/ml	100

(#) = qualifier out of range (m) = manual integration
7M50419.D SIMPAHL.M Mon Feb 14 07:16:29 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50419.D Vial: 4
Acq On : 11 Feb 2011 2:25 pm Operator: CAA
Sample : WG356259-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:01 2011 Quant Results File: SIMPAHL.RES

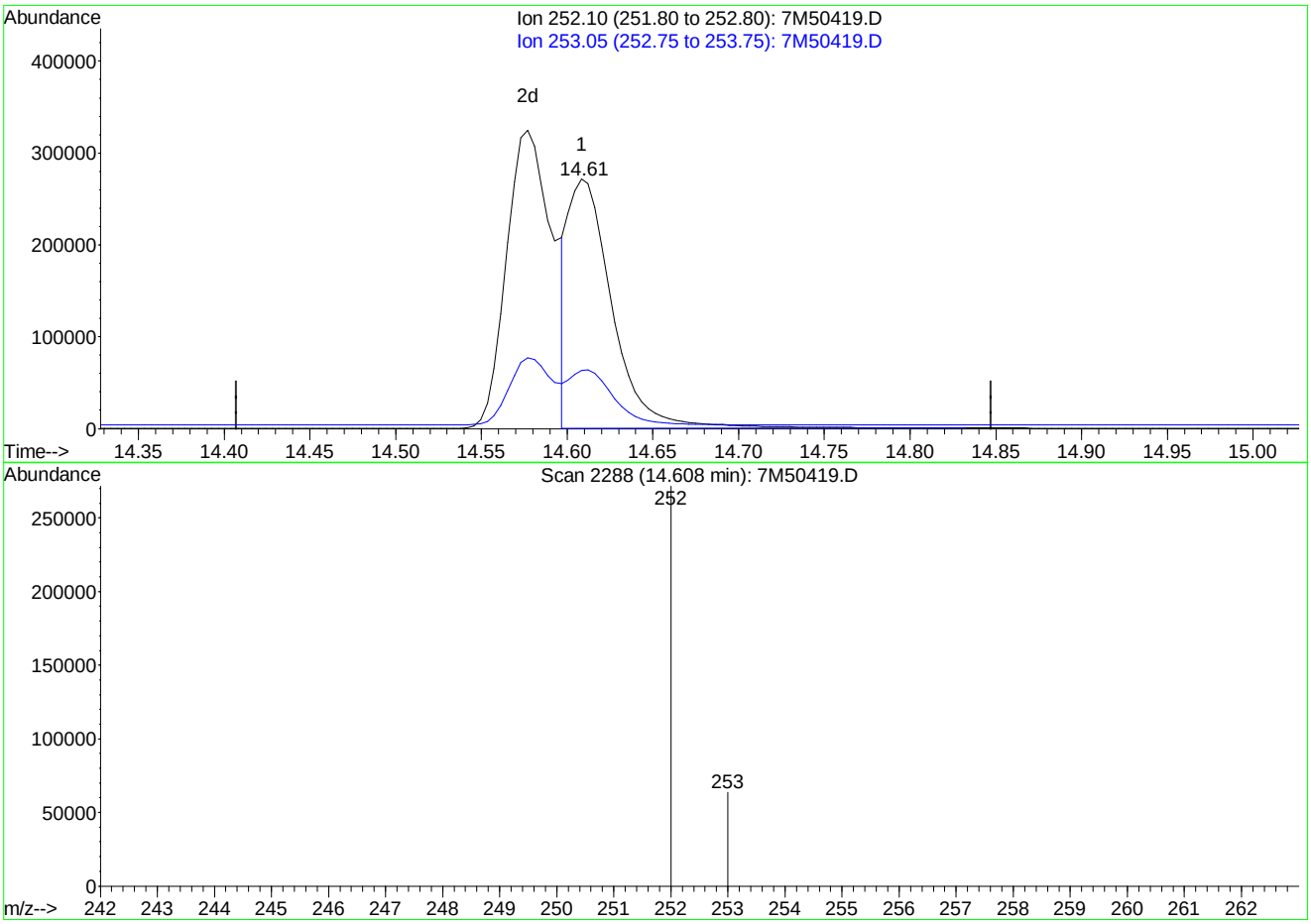
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50419.D Vial: 4
Acq On : 11 Feb 2011 2:25 pm Operator: CAA
Sample : WG356259-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:01:03 2011
Response via : Multiple Level Calibration



TIC: 7M50419.D

(22) Benzo[k]fluoranthene

14.61min 3.64ug/ml

response 489562

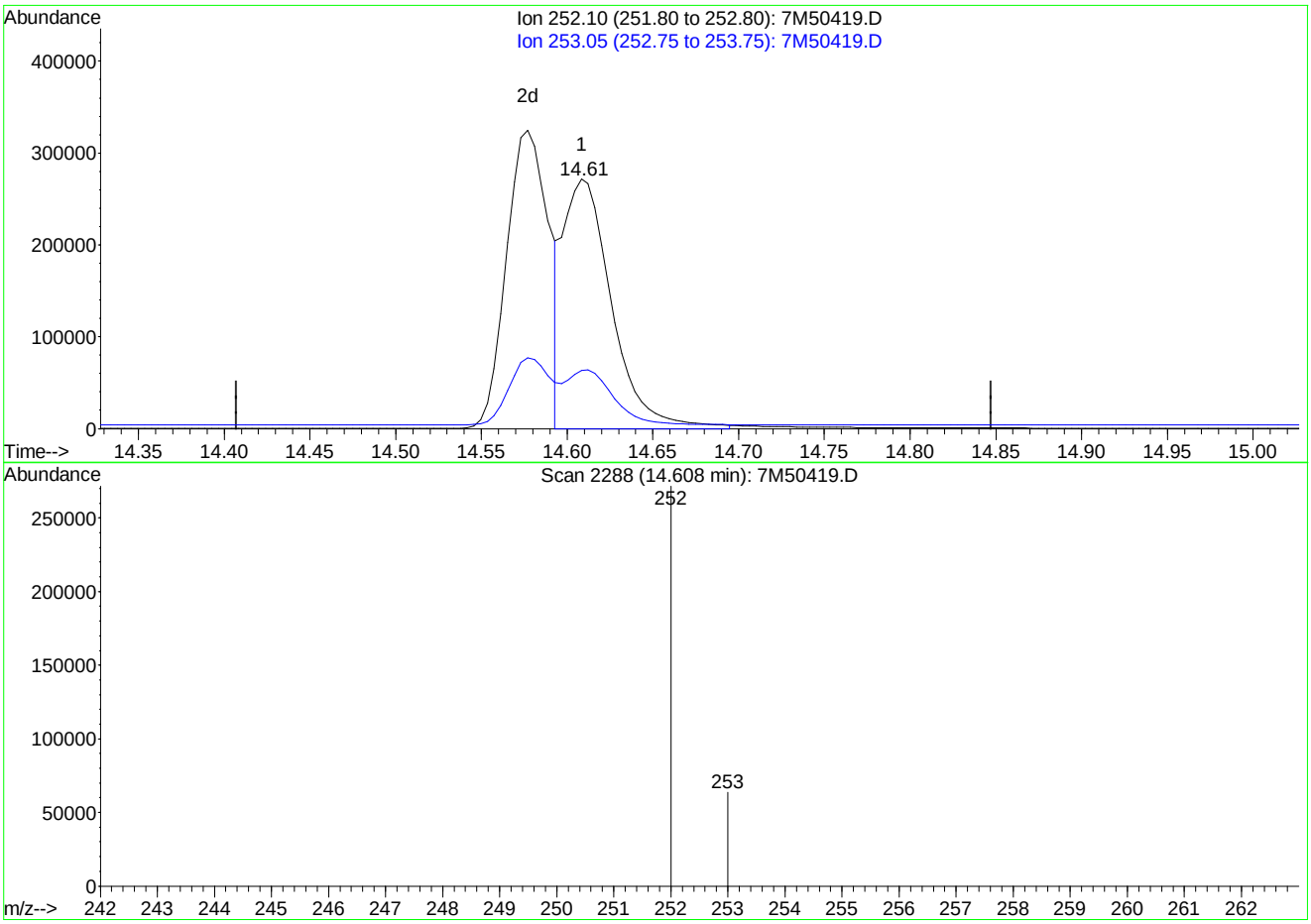
Ion	Exp%	Act%
252.10	100	100
253.05	19.00	19.94
0.00	0.00	0.00
0.00	0.00	0.00

7M50419.D SIMPAHL.M Mon Feb 14 07:01:55 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50419.D Vial: 4
Acq On : 11 Feb 2011 2:25 pm Operator: CAA
Sample : WG356259-04 5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:01 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:01:03 2011
Response via : Multiple Level Calibration



TIC: 7M50419.D

(22) Benzo[k]fluoranthene

14.61min 3.97ug/ml mint

response 534070

Ion	Exp%	Act%
252.10	100	100
253.05	19.00	18.28
0.00	0.00	0.00
0.00	0.00	0.00

7M50419.D SIMPAHL.M Mon Feb 14 07:02:01 2011

Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50420.D Vial: 5
Acq On : 11 Feb 2011 2:52 pm Operator: CAA
Sample : WG356259-05 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:58:14 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:10 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

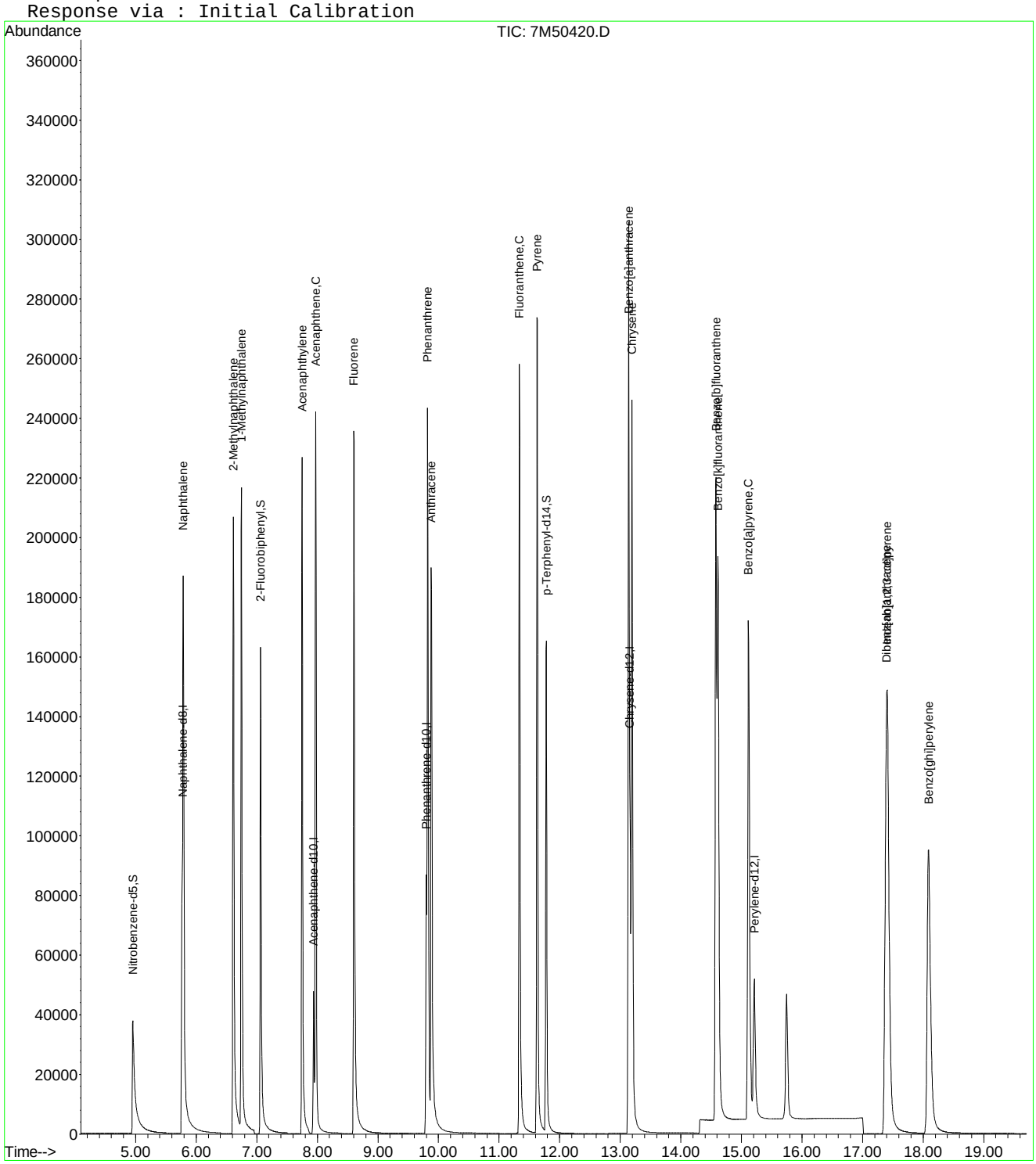
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.77	136	107558	1.00 ug/ml	0.00
6) Acenaphthene-d10	7.94	164	58331	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.80	188	111113	1.00 ug/ml	0.00
15) Chrysene-d12	13.16	240	112432	1.00 ug/ml	0.00
20) Perylene-d12	15.21	264	108697	1.00 ug/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5	4.95	82	78221	2.5617 ug/ml	-0.02
Spiked Amount 2.500	Range 35 - 114		Recovery = 102.40%		
7) 2-Fluorobiphenyl	7.06	172	175155	2.7335 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 109.20%		
17) p-Terphenyl-d14	11.78	244	190016	2.5206 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 100.80%		
Target Compounds					Qvalue
3) Naphthalene	5.79	128	251518	2.4108 ug/ml	100
4) 2-Methylnaphthalene	6.61	142	169796	2.6220 ug/ml	100
5) 1-Methylnaphthalene	6.75	142	156164	2.3412 ug/ml	100
8) Acenaphthylene	7.75	152	282060	2.7313 ug/ml	100
9) Acenaphthene	7.97	154	152216	2.4149 ug/ml	100
10) Fluorene	8.61	166	184973	2.6991 ug/ml	100
12) Phenanthrene	9.82	178	275110	2.4532 ug/ml	99
13) Anthracene	9.88	178	254605	2.4814 ug/ml	99
14) Fluoranthene	11.34	202	316449	2.4219 ug/ml	100
16) Pyrene	11.63	202	346946	2.2592 ug/ml	100
18) Benzo[a]anthracene	13.14	228	313308	2.5386 ug/ml	98
19) Chrysene	13.20	228	299180	2.3228 ug/ml	100
21) Benzo[b]fluoranthene	14.58	252	311312	2.6775 ug/ml	99
22) Benzo[k]fluoranthene	14.61	252	304693m	2.0945 ug/ml	
23) Benzo[a]pyrene	15.11	252	309284	2.4484 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.41	276	371347	2.7296 ug/ml	100
25) Dibenz[ah]anthracene	17.39	278	313845	2.8248 ug/ml	100
26) Benzo[ghi]perylene	18.09	276	314740	2.7447 ug/ml	100

(#) = qualifier out of range (m) = manual integration
7M50420.D SIMPAHL.M Mon Feb 14 07:16:30 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50420.D Vial: 5
Acq On : 11 Feb 2011 2:52 pm Operator: CAA
Sample : WG356259-05 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:02 2011 Quant Results File: SIMPAHL.RES

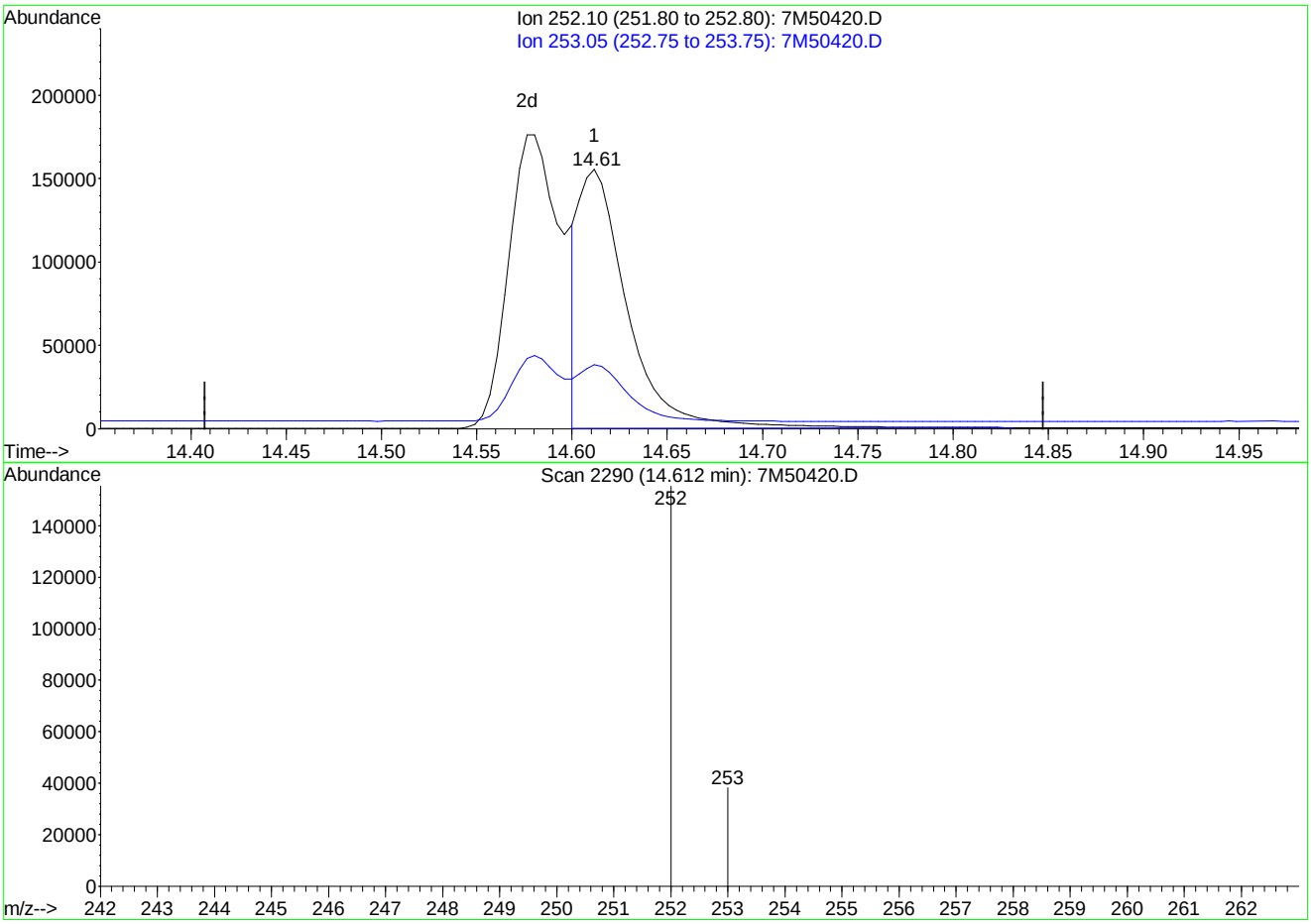
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50420.D Vial: 5
Acq On : 11 Feb 2011 2:52 pm Operator: CAA
Sample : WG356259-05 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:02:11 2011
Response via : Multiple Level Calibration



TIC: 7M50420.D

(22) Benzo[k]fluoranthene

14.61min 1.90ug/ml

response 276401

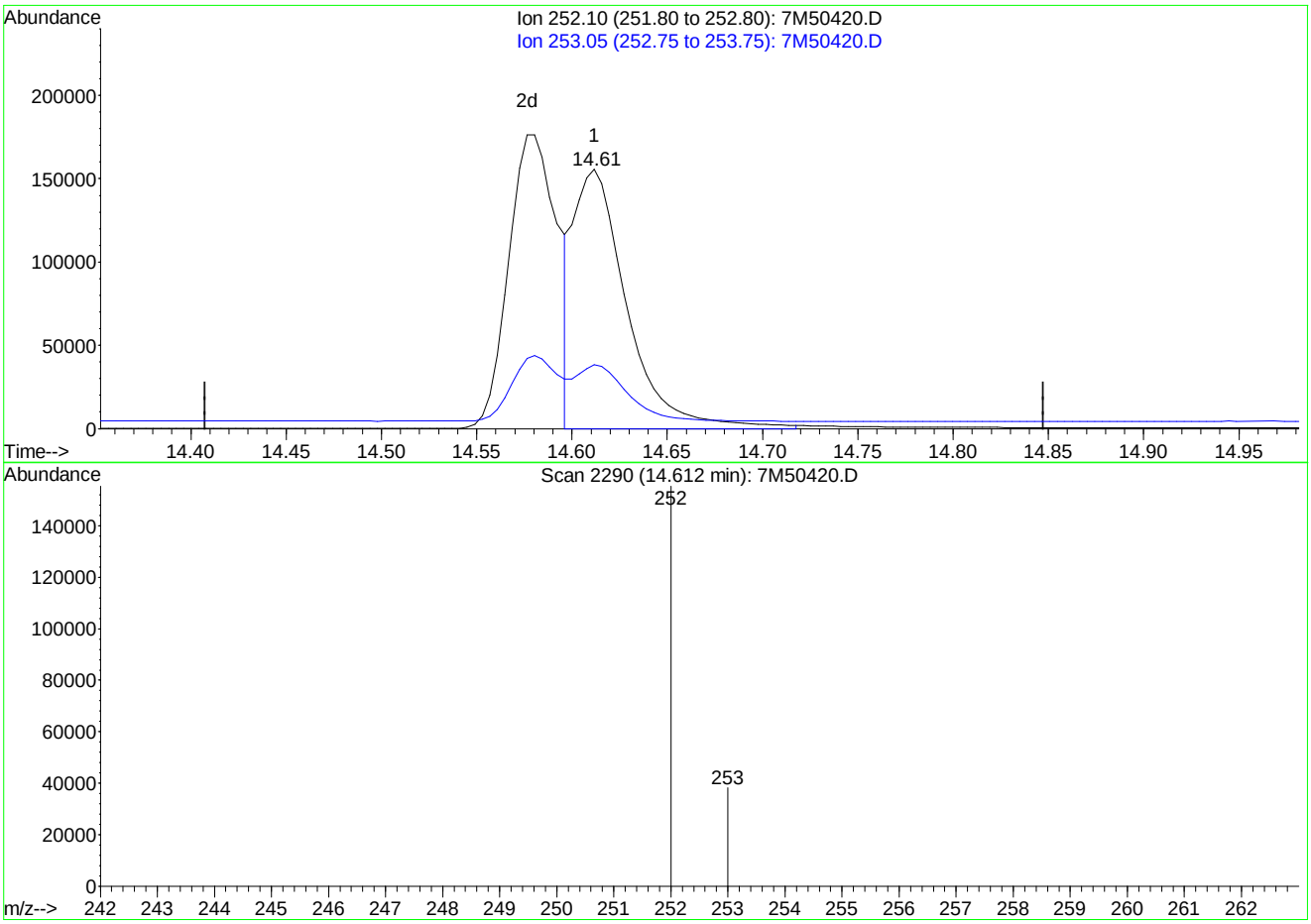
Ion	Exp%	Act%
252.10	100	100
253.05	19.00	21.79
0.00	0.00	0.00
0.00	0.00	0.00

7M50420.D SIMPAHL.M Mon Feb 14 07:02:29 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50420.D Vial: 5
Acq On : 11 Feb 2011 2:52 pm Operator: CAA
Sample : WG356259-05 2.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:02 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:02:11 2011
Response via : Multiple Level Calibration



TIC: 7M50420.D

(22) Benzo[k]fluoranthene

14.61min 2.09ug/ml mint

response 304693

Ion	Exp%	Act%
252.10	100	100
253.05	19.00	19.76
0.00	0.00	0.00
0.00	0.00	0.00

7M50420.D SIMPAHL.M Mon Feb 14 07:02:33 2011

Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50421.D Vial: 6
Acq On : 11 Feb 2011 3:19 pm Operator: CAA
Sample : WG356259-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:58:29 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:23 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

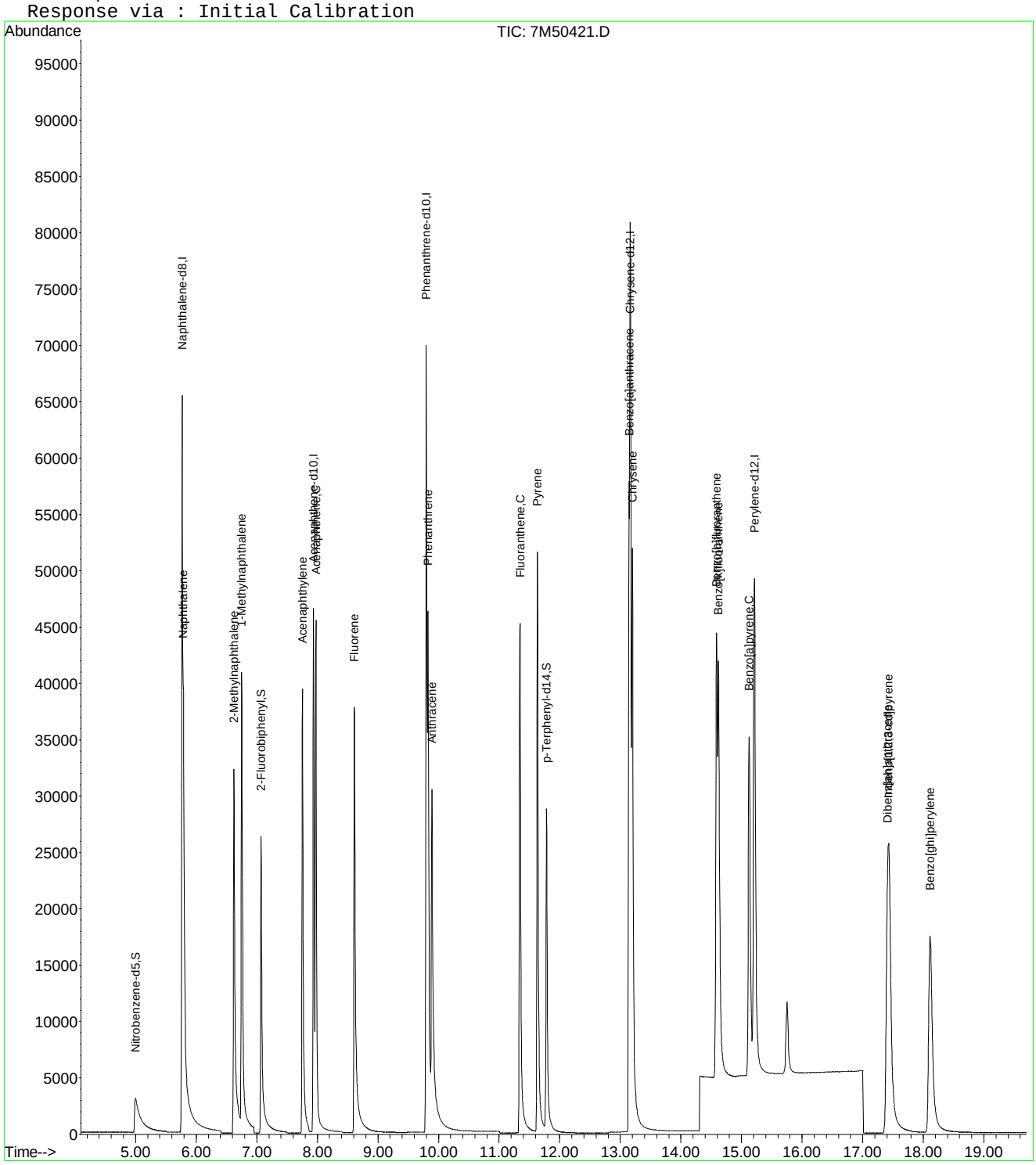
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Naphthalene-d8	5.77	136	101464	1.00 ug/ml	0.00
6) Acenaphthene-d10	7.94	164	59562	1.00 ug/ml	0.00
11) Phenanthrene-d10	9.80	188	106498	1.00 ug/ml	0.00
15) Chrysene-d12	13.17	240	116721	1.00 ug/ml	0.00
20) Perylene-d12	15.21	264	107679	1.00 ug/ml	0.00
System Monitoring Compounds					
2) Nitrobenzene-d5	5.00	82	13384m	0.4614 ug/ml	0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 18.40%#		
7) 2-Fluorobiphenyl	7.07	172	35789	0.5436 ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 21.60%#		
17) p-Terphenyl-d14	11.78	244	40723	0.5189 ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 20.80%#		
Target Compounds					Qvalue
3) Naphthalene	5.79	128	50003	0.5117 ug/ml	100
4) 2-Methylnaphthalene	6.62	142	32933	0.5401 ug/ml	99
5) 1-Methylnaphthalene	6.75	142	33214	0.5302 ug/ml	100
8) Acenaphthylene	7.76	152	56109	0.5280 ug/ml	99
9) Acenaphthene	7.98	154	32328	0.5088 ug/ml	100
10) Fluorene	8.61	166	37294	0.5320 ug/ml	100
12) Phenanthrene	9.83	178	53542	0.5042 ug/ml	100
13) Anthracene	9.89	178	48521	0.5029 ug/ml	100
14) Fluoranthene	11.34	202	64057	0.5146 ug/ml	100
16) Pyrene	11.63	202	74501	0.4778 ug/ml	99
18) Benzo[a]anthracene	13.14	228	60009	0.4722 ug/ml	98
19) Chrysene	13.20	228	64204	0.4861 ug/ml	99
21) Benzo[b]fluoranthene	14.58	252	59690	0.5167 ug/ml	99
22) Benzo[k]fluoranthene	14.62	252	69184m	0.4964 ug/ml	
23) Benzo[a]pyrene	15.13	252	60683	0.4888 ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.44	276	75204	0.5526 ug/ml	100
25) Dibenz[ah]anthracene	17.41	278	61722	0.5535 ug/ml	100
26) Benzo[ghi]perylene	18.12	276	62767	0.5467 ug/ml	100

(#) = qualifier out of range (m) = manual integration
7M50421.D SIMPAHL.M Mon Feb 14 07:16:31 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50421.D Vial: 6
Acq On : 11 Feb 2011 3:19 pm Operator: CAA
Sample : WG356259-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:00 2011 Quant Results File: SIMPAHL.RES

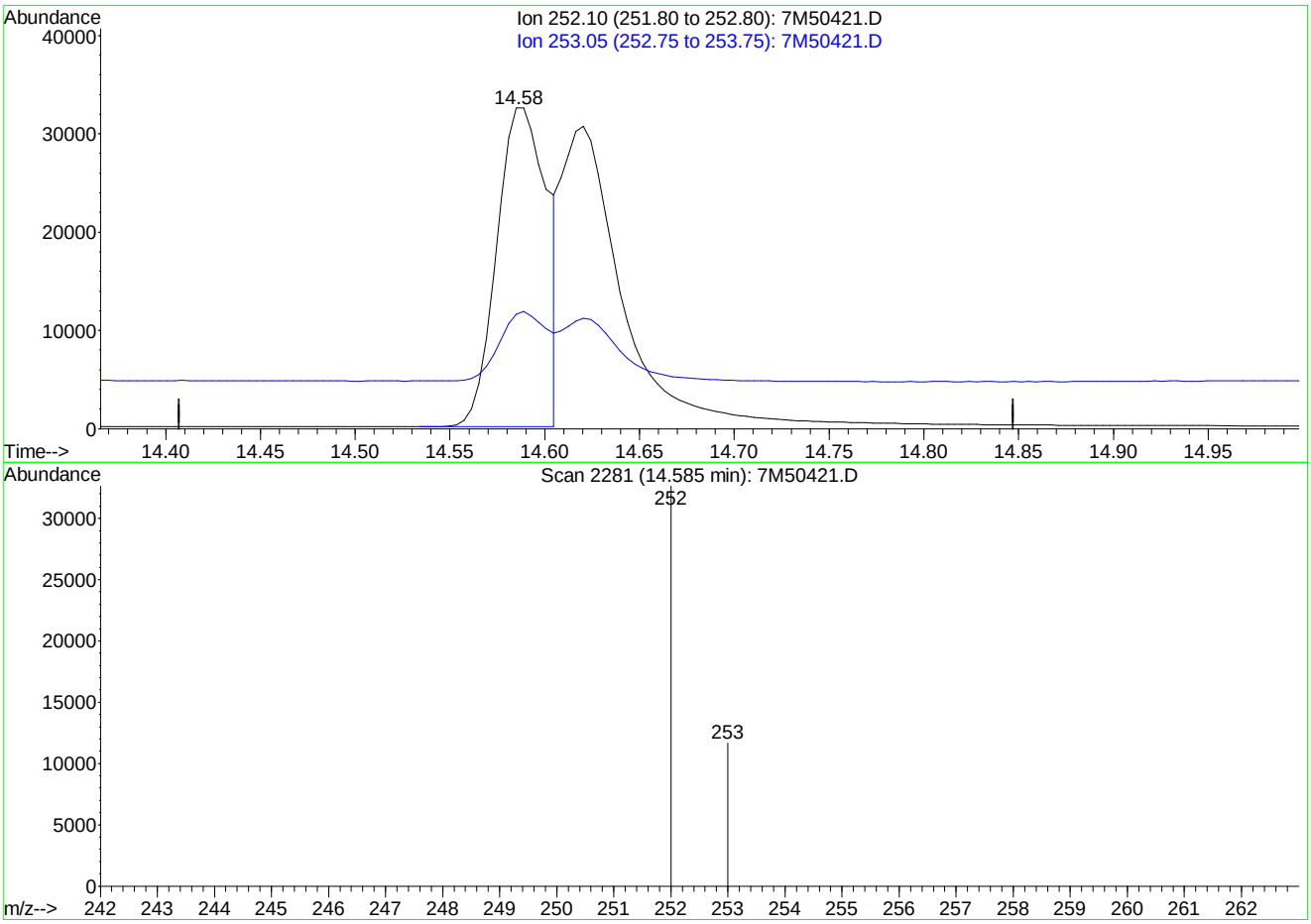
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50421.D Vial: 6
Acq On : 11 Feb 2011 3:19 pm Operator: CAA
Sample : WG356259-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:23 2011
Response via : Multiple Level Calibration



TIC: 7M50421.D

(22) Benzo[k]fluoranthene

14.58min 0.43ug/ml

response 59690

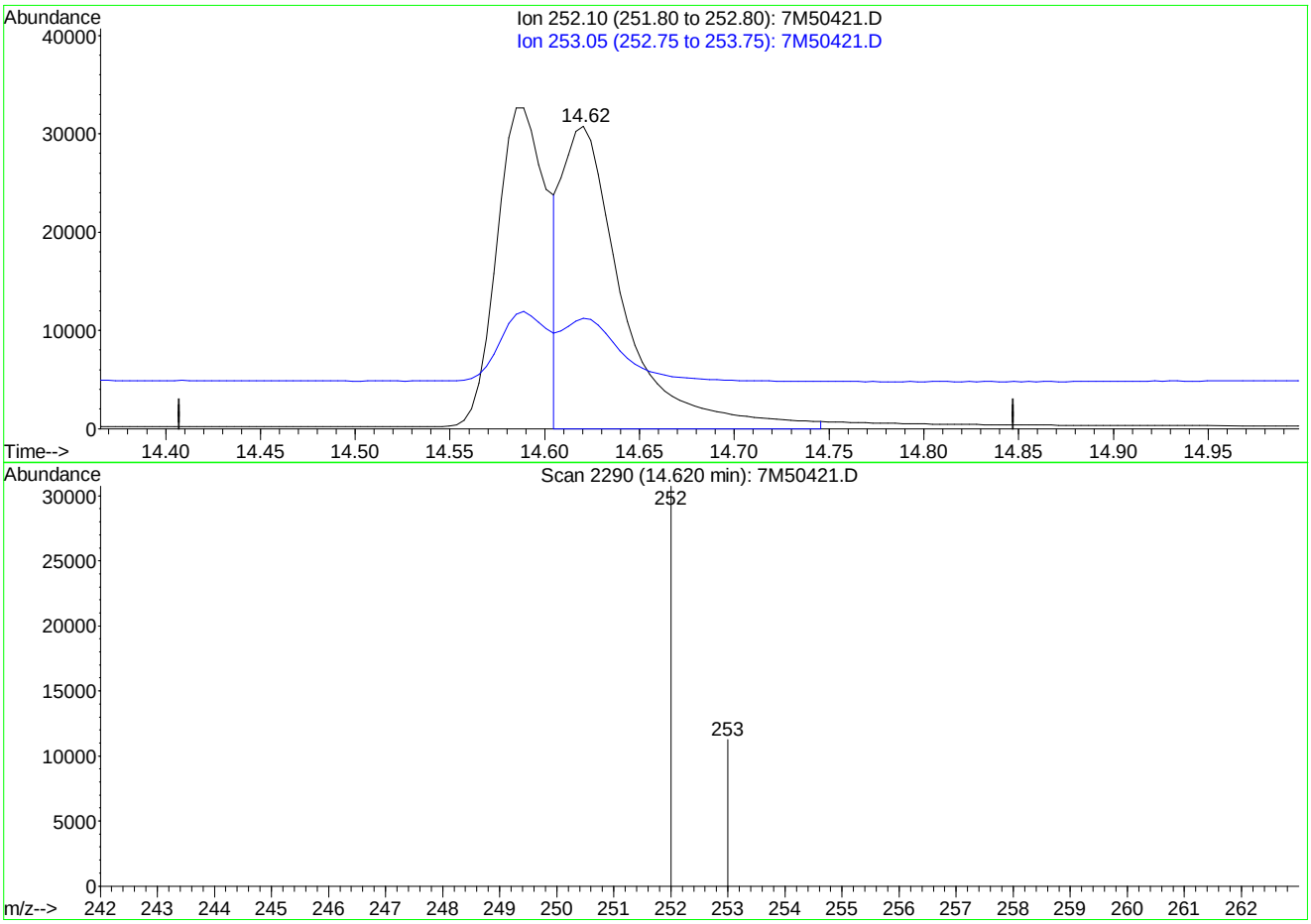
Ion	Exp%	Act%
252.10	100	100
253.05	19.00	20.55
0.00	0.00	0.00
0.00	0.00	0.00

7M50421.D SIMPAHL.M Mon Feb 14 06:58:35 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50421.D Vial: 6
Acq On : 11 Feb 2011 3:19 pm Operator: CAA
Sample : WG356259-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:23 2011
Response via : Multiple Level Calibration



TIC: 7M50421.D

(22) Benzo[k]fluoranthene

14.62min 0.50ug/ml mint

response 69184

Ion	Exp%	Act%
252.10	100	100
253.05	19.00	17.73
0.00	0.00	0.00
0.00	0.00	0.00

7M50421.D SIMPAHL.M Mon Feb 14 06:58:40 2011

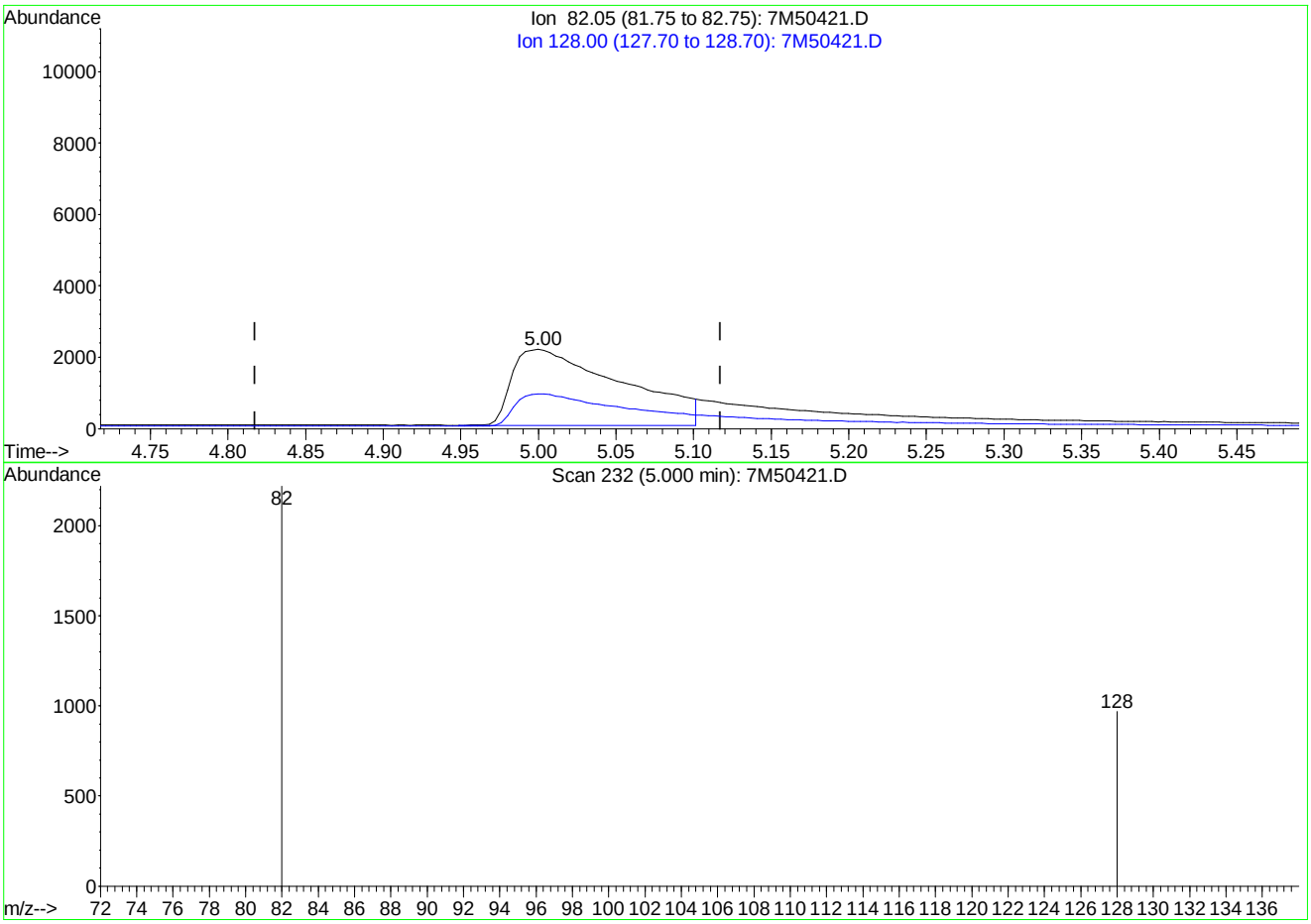
Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50421.D Vial: 6
Acq On : 11 Feb 2011 3:19 pm Operator: CAA
Sample : WG356259-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:00:10 2011
Response via : Multiple Level Calibration



TIC: 7M50421.D

(2) Nitrobenzene-d5 (S)

5.00min 0.36ug/ml

response 10558

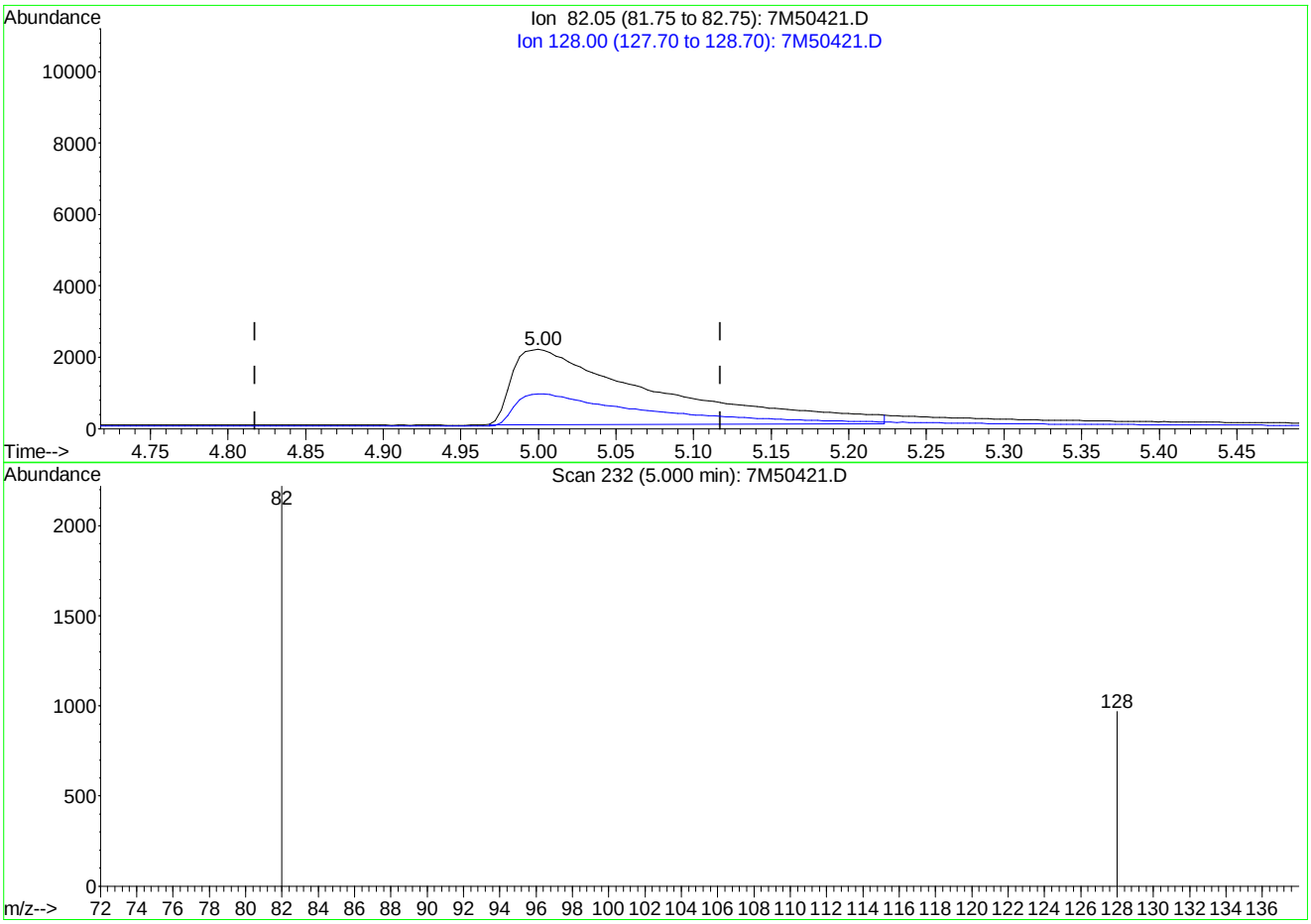
Ion	Exp%	Act%
82.05	100	100
128.00	41.60	42.28
0.00	0.00	0.00
0.00	0.00	0.00

7M50421.D SIMPAHL.M Mon Feb 14 07:00:24 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50421.D Vial: 6
Acq On : 11 Feb 2011 3:19 pm Operator: CAA
Sample : WG356259-06 0.5ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:00 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:00:10 2011
Response via : Multiple Level Calibration



TIC: 7M50421.D

(2) Nitrobenzene-d5 (S)

5.00min 0.46ug/ml mint

response 13384

Ion	Exp%	Act%
82.05	100	100
128.00	41.60	33.35
0.00	0.00	0.00
0.00	0.00	0.00

7M50421.D SIMPAHL.M Mon Feb 14 07:00:32 2011

Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#2 - Data system splits the peak incorrectly or integrates a false peak as a rider peak

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50422.D Vial: 7
Acq On : 11 Feb 2011 3:46 pm Operator: CAA
Sample : WG356259-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:58:50 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:46 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

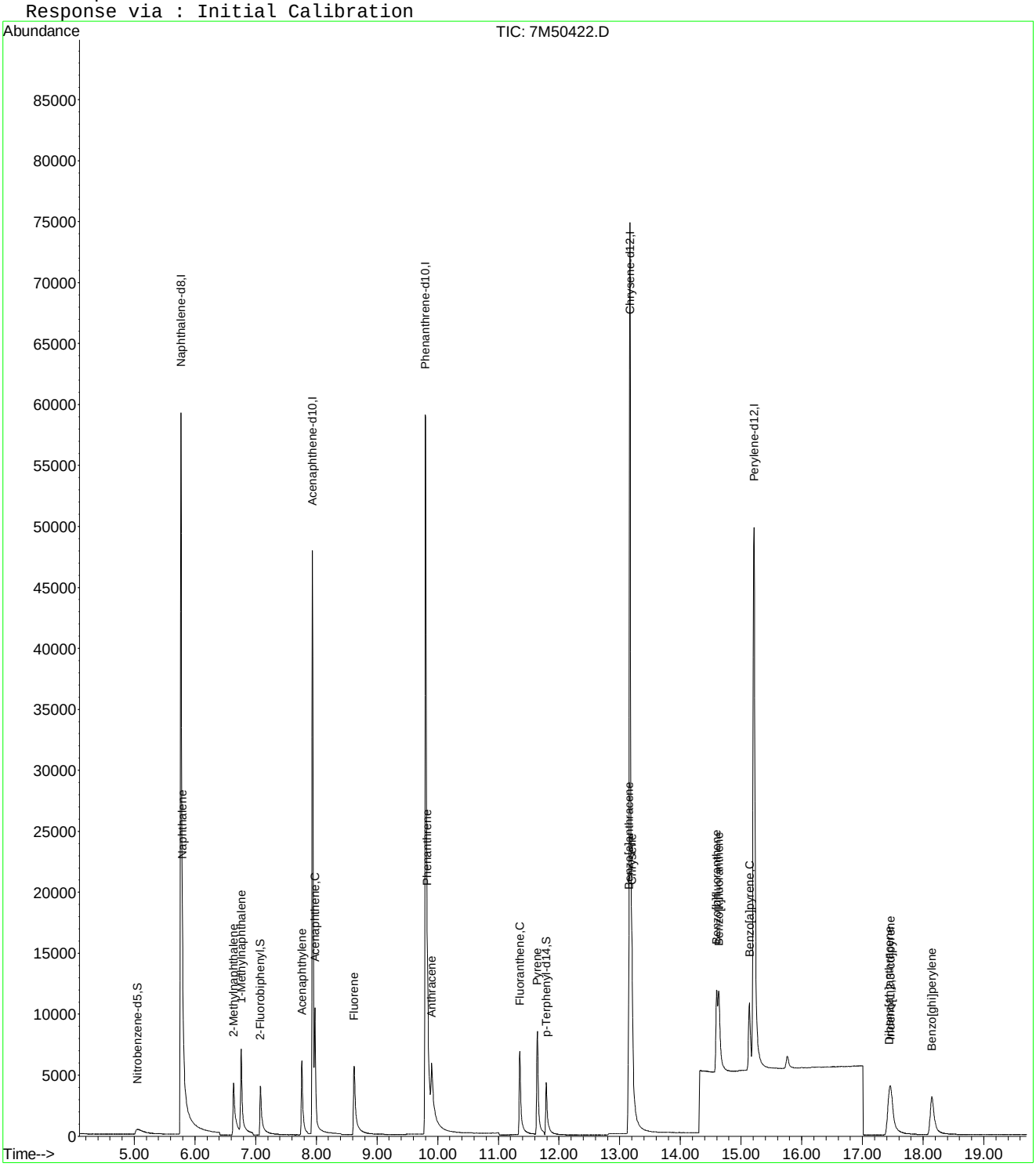
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.77	136	102811	1.00	ug/ml	0.00
6) Acenaphthene-d10	7.94	164	63480	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.80	188	108581	1.00	ug/ml	0.00
15) Chrysene-d12	13.17	240	121339	1.00	ug/ml	0.00
20) Perylene-d12	15.21	264	109867	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.05	82	2496m	0.0887	ug/ml	0.08
Spiked Amount 2.500	Range 35 - 114		Recovery =	3.60%#		
7) 2-Fluorobiphenyl	7.08	172	7167	0.1012	ug/ml	0.01
Spiked Amount 2.500	Range 43 - 116		Recovery =	4.00%#		
17) p-Terphenyl-d14	11.79	244	8436	0.1028	ug/ml	0.01
Spiked Amount 2.500	Range 33 - 141		Recovery =	4.00%#		
Target Compounds						Qvalue
3) Naphthalene	5.80	128	10169	0.1034	ug/ml	100
4) 2-Methylnaphthalene	6.64	142	6099	0.0986	ug/ml	100
5) 1-Methylnaphthalene	6.76	142	7127	0.1125	ug/ml	100
8) Acenaphthylene	7.76	152	11137	0.0980	ug/ml	94
9) Acenaphthene	7.98	154	6630	0.0997	ug/ml	95
10) Fluorene	8.63	166	7243	0.0968	ug/ml	100
12) Phenanthrene	9.83	178	10740	0.1000	ug/ml	99
13) Anthracene	9.90	178	8205	0.0853	ug/ml	99
14) Fluoranthene	11.35	202	12309	0.0980	ug/ml	100
16) Pyrene	11.64	202	15222	0.0962	ug/ml	93
18) Benzo[a]anthracene	13.14	228	11126	0.0849	ug/ml	98
19) Chrysene	13.20	228	13806	0.1024	ug/ml	98
21) Benzo[b]fluoranthene	14.60	252	10058	0.0854	ug/ml	95
22) Benzo[k]fluoranthene	14.63	252	15098m	0.1088	ug/ml	
23) Benzo[a]pyrene	15.14	252	11949	0.0953	ug/ml	89
24) Indeno[1,2,3-cd]pyrene	17.47	276	14457	0.1022	ug/ml	100
25) Dibenz[ah]anthracene	17.43	278	11636	0.1000	ug/ml	100
26) Benzo[ghi]perylene	18.14	276	12114	0.1015	ug/ml	99

(#) = qualifier out of range (m) = manual integration
7M50422.D SIMPAHL.M Mon Feb 14 07:16:33 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50422.D Vial: 7
Acq On : 11 Feb 2011 3:46 pm Operator: CAA
Sample : WG356259-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:00 2011 Quant Results File: SIMPAHL.RES

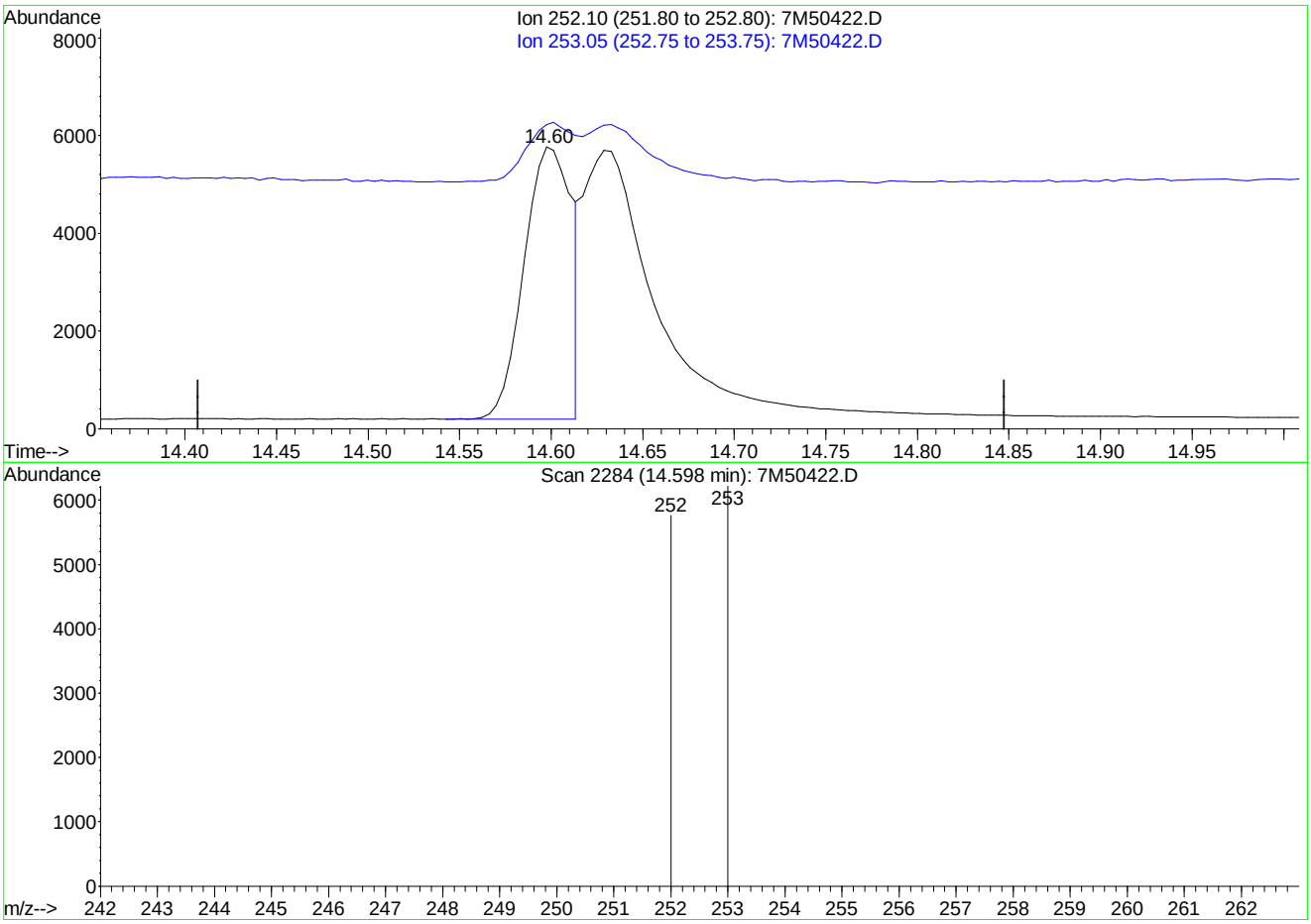
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50422.D Vial: 7
Acq On : 11 Feb 2011 3:46 pm Operator: CAA
Sample : WG356259-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:58 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:46 2011
Response via : Multiple Level Calibration



TIC: 7M50422.D

(22) Benzo[k]fluoranthene

14.60min 0.07ug/ml

response 10058

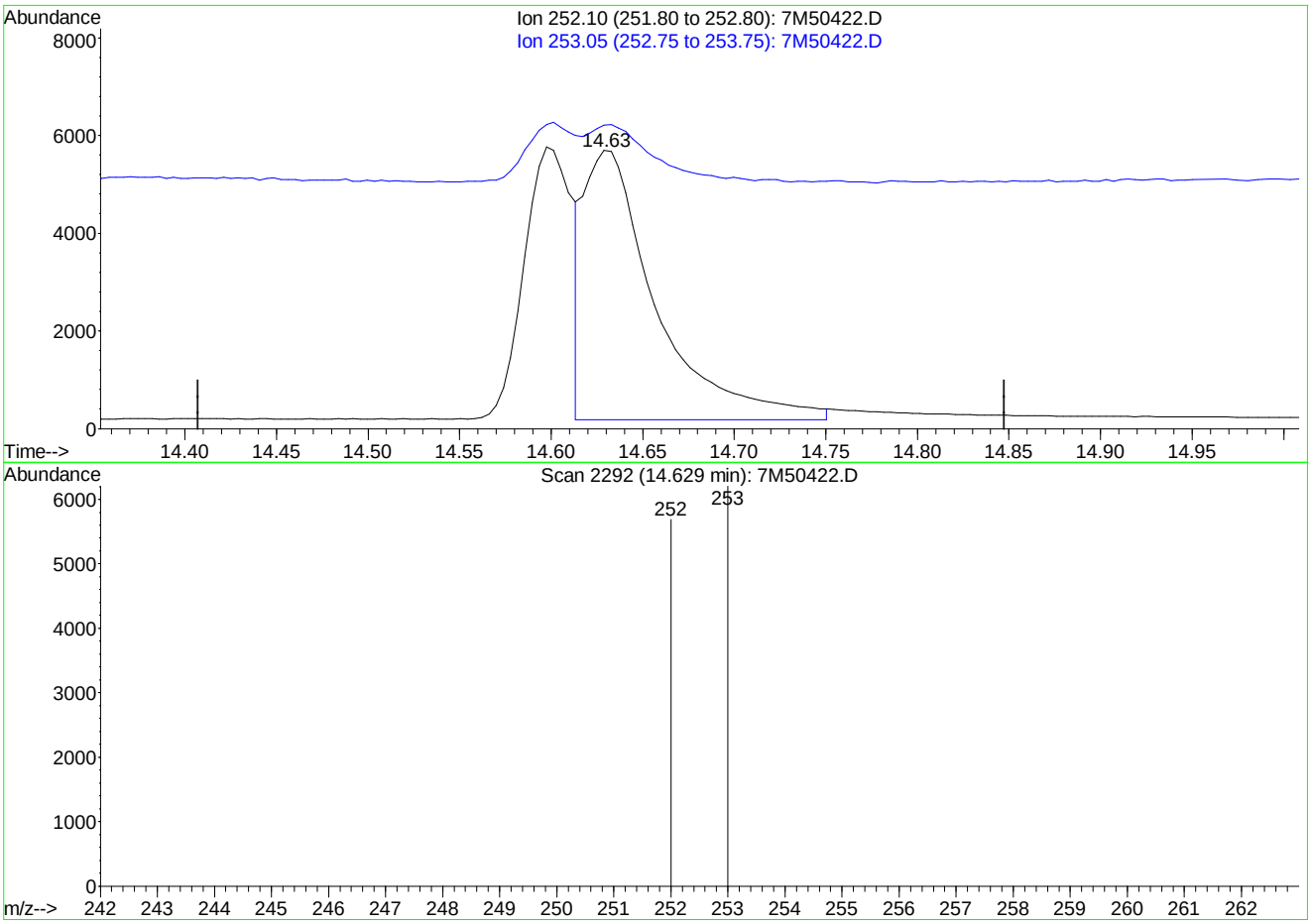
Ion	Exp%	Act%
252.10	100	100
253.05	19.00	23.12
0.00	0.00	0.00
0.00	0.00	0.00

7M50422.D SIMPAHL.M Mon Feb 14 06:58:56 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50422.D Vial: 7
Acq On : 11 Feb 2011 3:46 pm Operator: CAA
Sample : WG356259-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:59 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:58:46 2011
Response via : Multiple Level Calibration



TIC: 7M50422.D

(22) Benzo[k]fluoranthene

14.63min 0.11ug/ml mint

response 15098

Ion	Exp%	Act%
252.10	100	100
253.05	19.00	15.40
0.00	0.00	0.00
0.00	0.00	0.00

7M50422.D SIMPAHL.M Mon Feb 14 06:59:07 2011

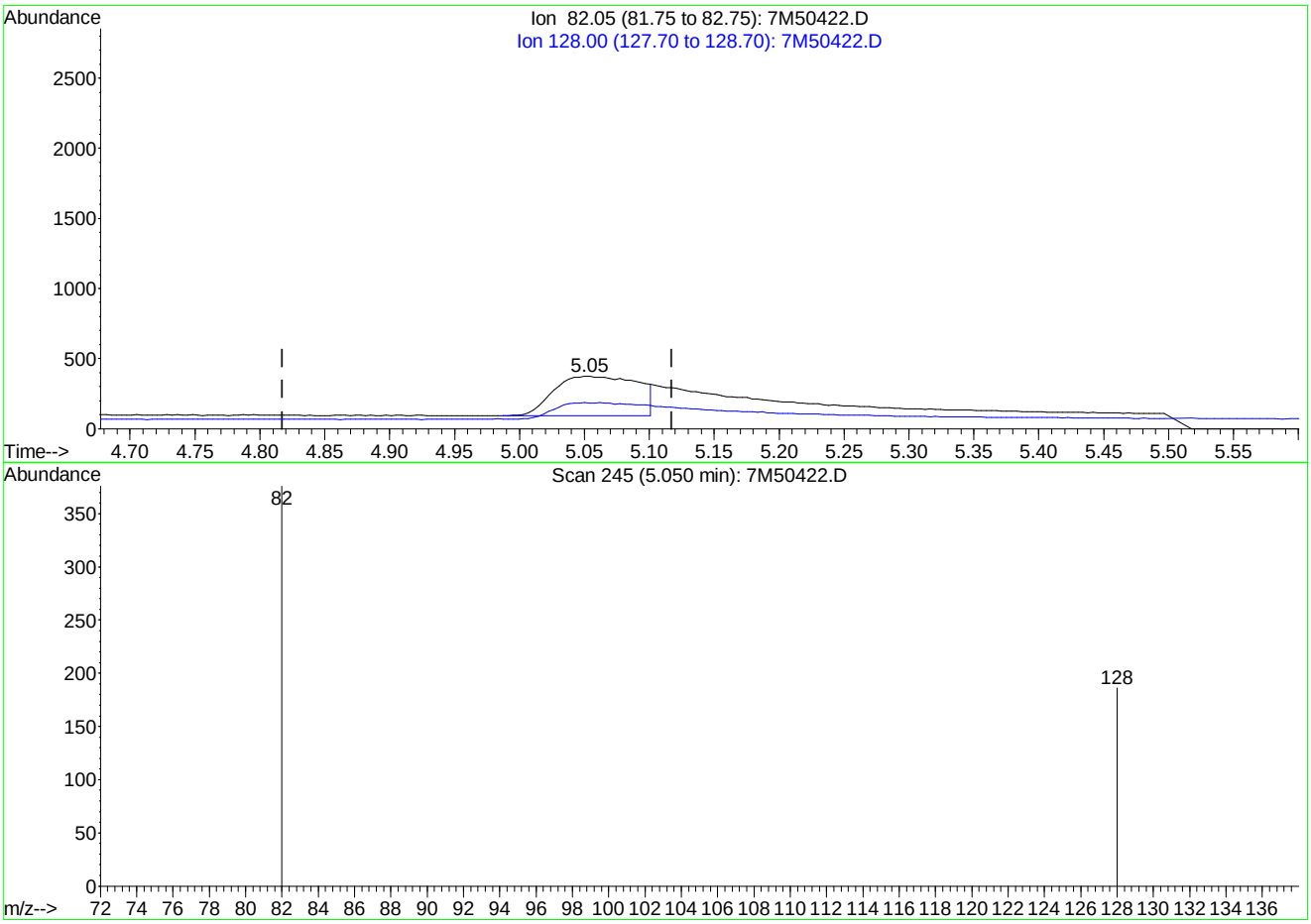
Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50422.D Vial: 7
Acq On : 11 Feb 2011 3:46 pm Operator: CAA
Sample : WG356259-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:59 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:59:36 2011
Response via : Multiple Level Calibration



TIC: 7M50422.D

(2) Nitrobenzene-d5 (S)

5.05min 0.05ug/ml

response 1278

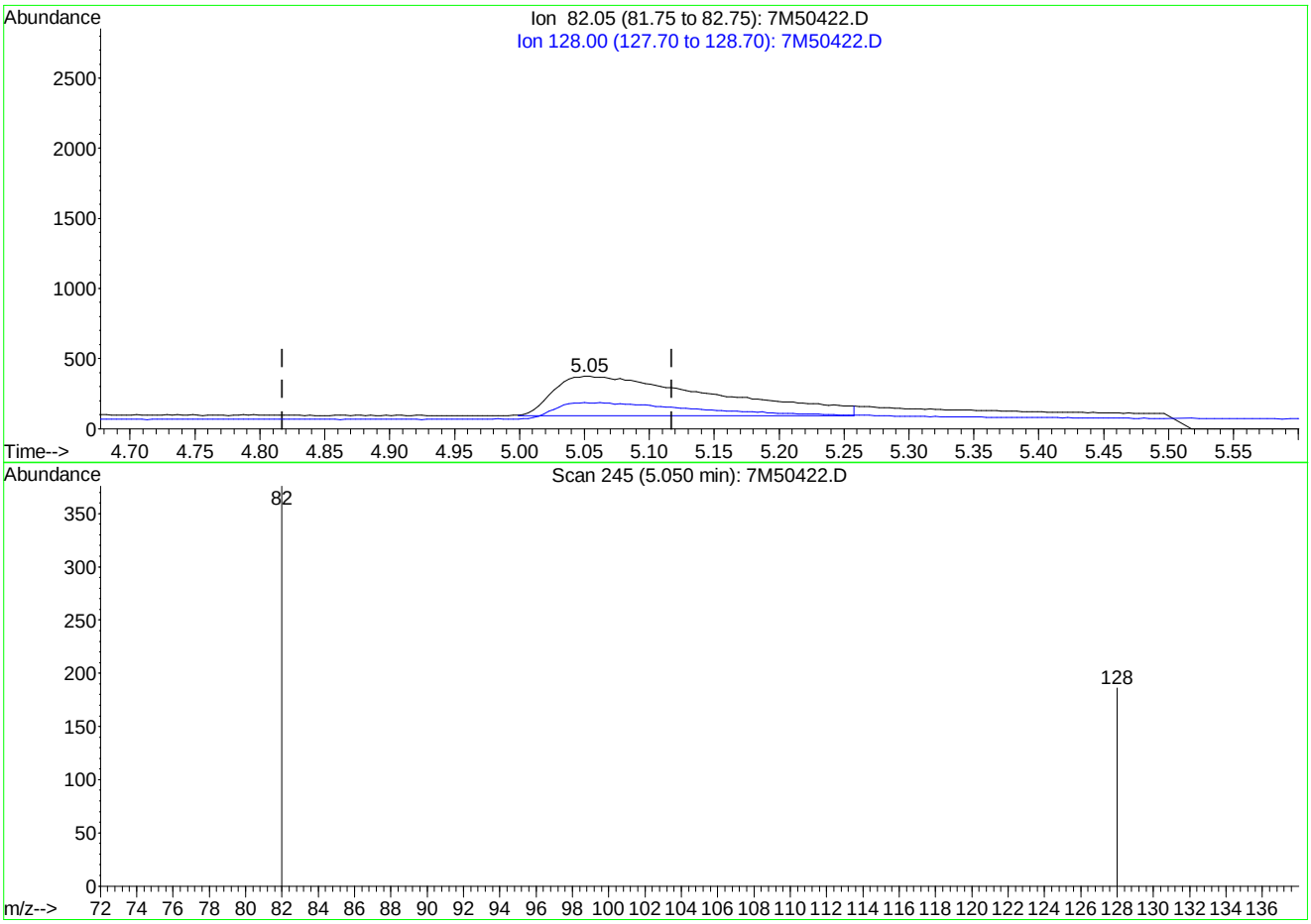
Ion	Exp%	Act%
82.05	100	100
128.00	41.60	42.49
0.00	0.00	0.00
0.00	0.00	0.00

7M50422.D SIMPAHL.M Mon Feb 14 06:59:56 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50422.D Vial: 7
Acq On : 11 Feb 2011 3:46 pm Operator: CAA
Sample : WG356259-07 0.1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:00 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:59:36 2011
Response via : Multiple Level Calibration



TIC: 7M50422.D

(2) Nitrobenzene-d5 (S)

5.05min 0.09ug/ml mint

response 2496

Ion	Exp%	Act%
82.05	100	100
128.00	41.60	21.75#
0.00	0.00	0.00
0.00	0.00	0.00

7M50422.D SIMPAHL.M Mon Feb 14 07:00:04 2011

Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#2 - Data system splits the peak incorrectly or integrates a false peak as a rider peak

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50423.D Vial: 8
Acq On : 11 Feb 2011 4:13 pm Operator: CAA
Sample : WG356259-08 0.05ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 06:59:17 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:59:12 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

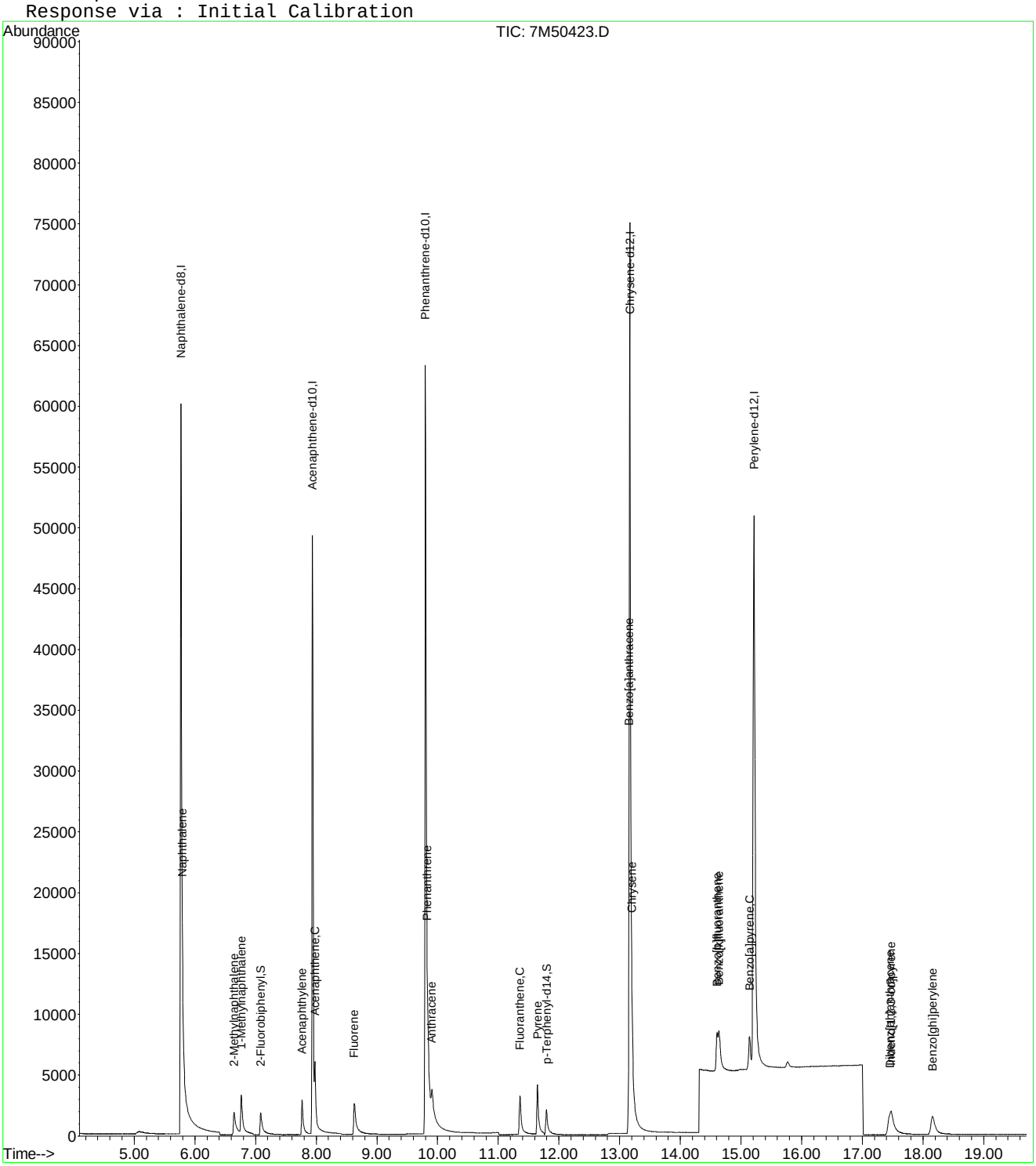
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.77	136	105646	1.00	ug/ml	0.00
6) Acenaphthene-d10	7.94	164	65652	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.80	188	111507	1.00	ug/ml	0.00
15) Chrysene-d12	13.17	240	125647	1.00	ug/ml	0.00
20) Perylene-d12	15.21	264	112831	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.07	82	332	0.0124	ug/ml	0.11
Spiked Amount 2.500	Range 35 - 114		Recovery =	0.40%#		
7) 2-Fluorobiphenyl	7.09	172	3653	0.0492	ug/ml	0.02
Spiked Amount 2.500	Range 43 - 116		Recovery =	2.00%#		
17) p-Terphenyl-d14	11.79	244	4607	0.0542	ug/ml	0.02
Spiked Amount 2.500	Range 33 - 141		Recovery =	2.00%#		
Target Compounds						Qvalue
3) Naphthalene	5.80	128	5272	0.0525	ug/ml	100
4) 2-Methylnaphthalene	6.64	142	3050	0.0478	ug/ml	98
5) 1-Methylnaphthalene	6.77	142	3660	0.0565	ug/ml	100
8) Acenaphthylene	7.77	152	5815	0.0492	ug/ml	88
9) Acenaphthene	7.98	154	3618	0.0532	ug/ml	97
10) Fluorene	8.63	166	3665	0.0472	ug/ml	100
12) Phenanthrene	9.83	178	5548	0.0508	ug/ml	100
13) Anthracene	9.91	178	3995	0.0413	ug/ml	99
14) Fluoranthene	11.36	202	6276	0.0494	ug/ml	100
16) Pyrene	11.65	202	8048	0.0504	ug/ml	85
18) Benzo[a]anthracene	13.15	228	5968	0.0446	ug/ml	99
19) Chrysene	13.20	228	7172	0.0521	ug/ml	100
21) Benzo[b]fluoranthene	14.61	252	4649	0.0386	ug/ml	89
22) Benzo[k]fluoranthene	14.64	252	8066m	0.0581	ug/ml	
23) Benzo[a]pyrene	15.14	252	5233	0.0411	ug/ml#	43
24) Indeno[1,2,3-cd]pyrene	17.48	276	7073	0.0476	ug/ml	100
25) Dibenz[ah]anthracene	17.44	278	5847	0.0475	ug/ml	100
26) Benzo[ghi]perylene	18.16	276	6096	0.0485	ug/ml	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50423.D Vial: 8
Acq On : 11 Feb 2011 4:13 pm Operator: CAA
Sample : WG356259-08 0.05ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:59 2011 Quant Results File: SIMPAHL.RES

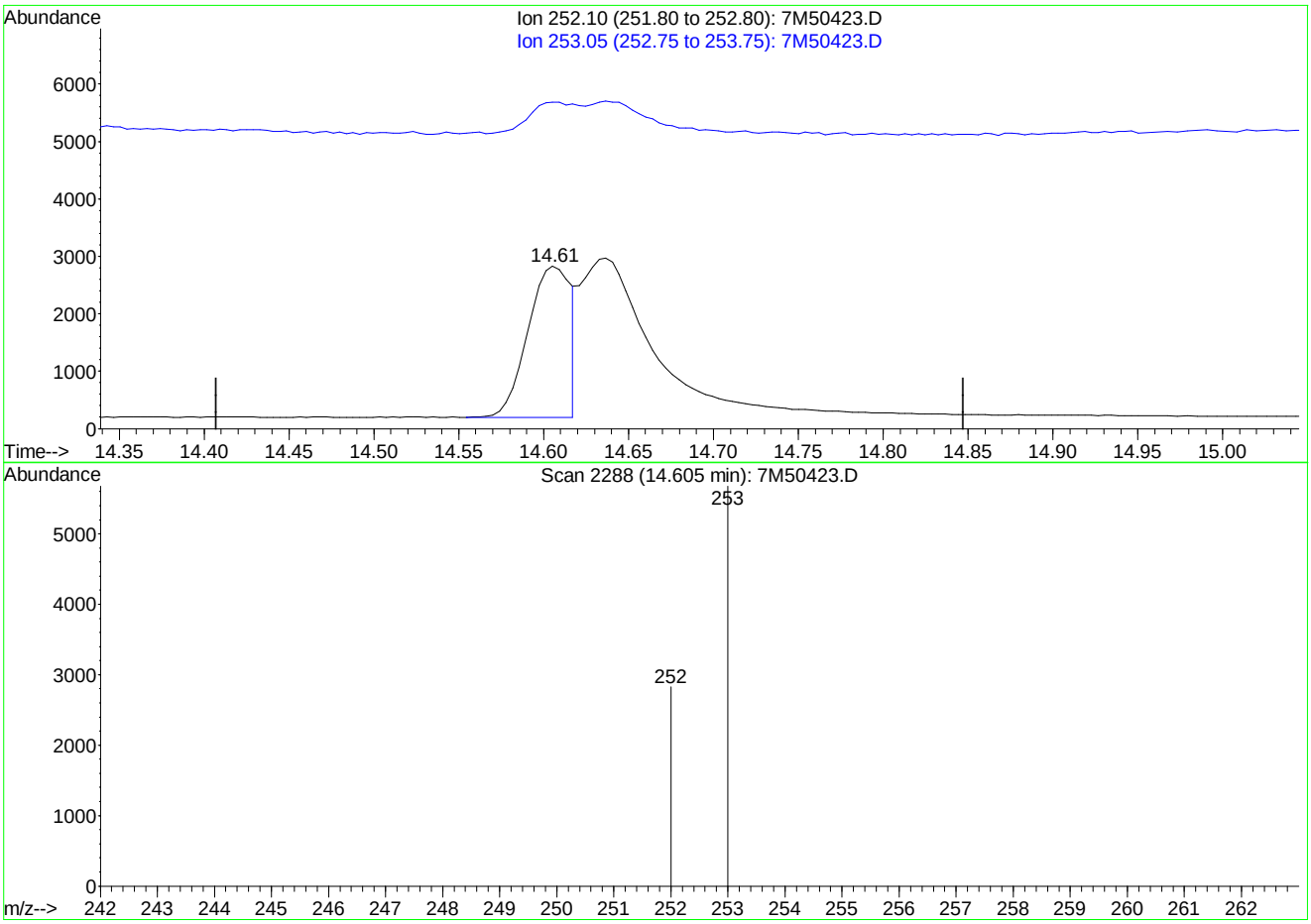
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50423.D Vial: 8
Acq On : 11 Feb 2011 4:13 pm Operator: CAA
Sample : WG356259-08 0.05ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:59 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:59:12 2011
Response via : Multiple Level Calibration



TIC: 7M50423.D

(22) Benzo[k]fluoranthene

14.61min 0.03ug/ml

response 4649

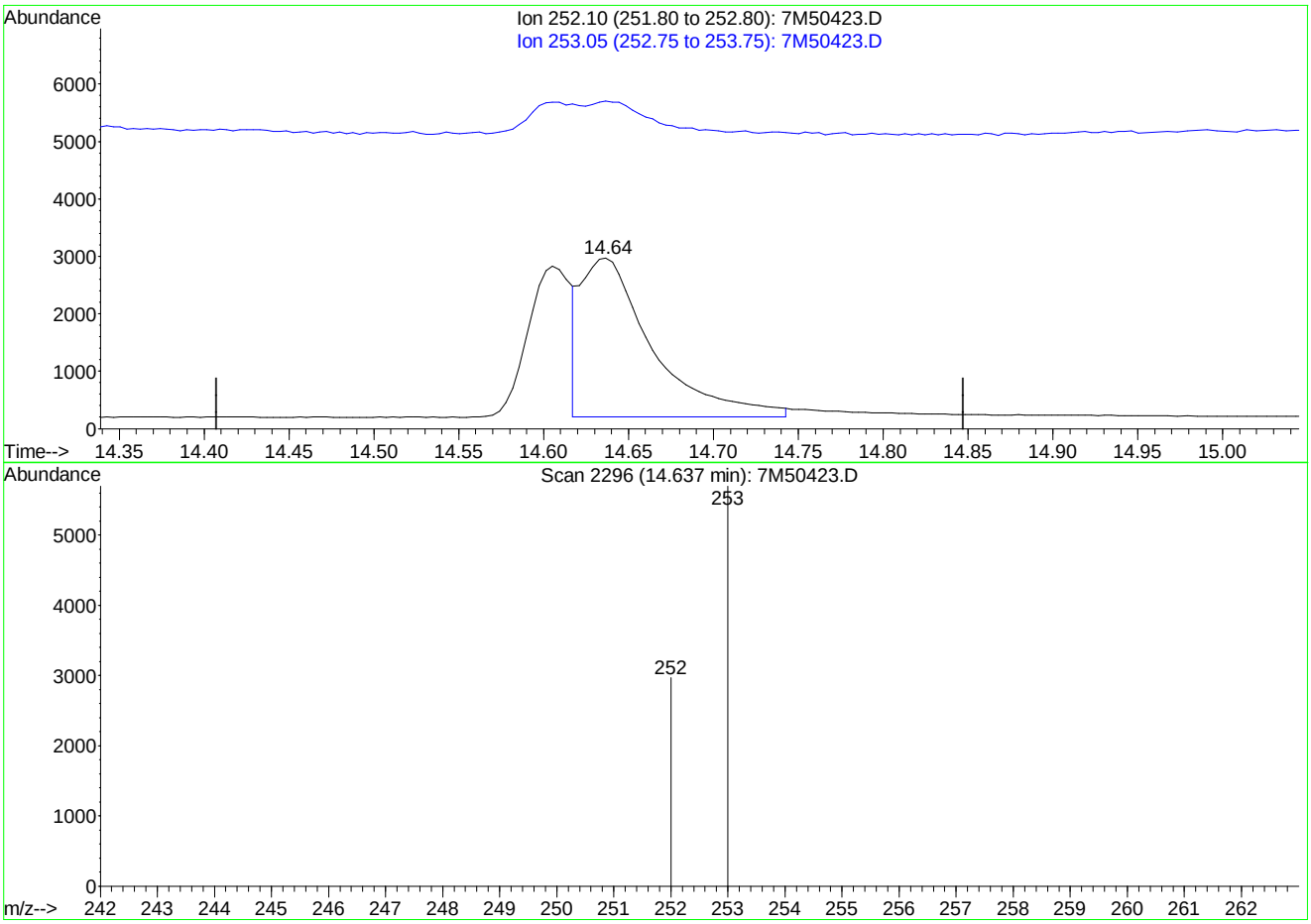
Ion	Exp%	Act%
252.10	100	100
253.05	19.00	25.90
0.00	0.00	0.00
0.00	0.00	0.00

7M50423.D SIMPAHL.M Mon Feb 14 06:59:23 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50423.D Vial: 8
Acq On : 11 Feb 2011 4:13 pm Operator: CAA
Sample : WG356259-08 0.05ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 6:59 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 06:59:12 2011
Response via : Multiple Level Calibration



TIC: 7M50423.D

(22) Benzo[k]fluoranthene

14.64min 0.06ug/ml mint

response 8066

Ion	Exp%	Act%
252.10	100	100
253.05	19.00	14.93
0.00	0.00	0.00
0.00	0.00	0.00

7M50423.D SIMPAHL.M Mon Feb 14 06:59:30 2011

Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50424.D Vial: 9
Acq On : 11 Feb 2011 4:41 pm Operator: CAA
Sample : WG356259-09 1ppm PAHL Alt Src STD Inst : HPMS7
Misc : 1,1 STD43326 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 07:03:24 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

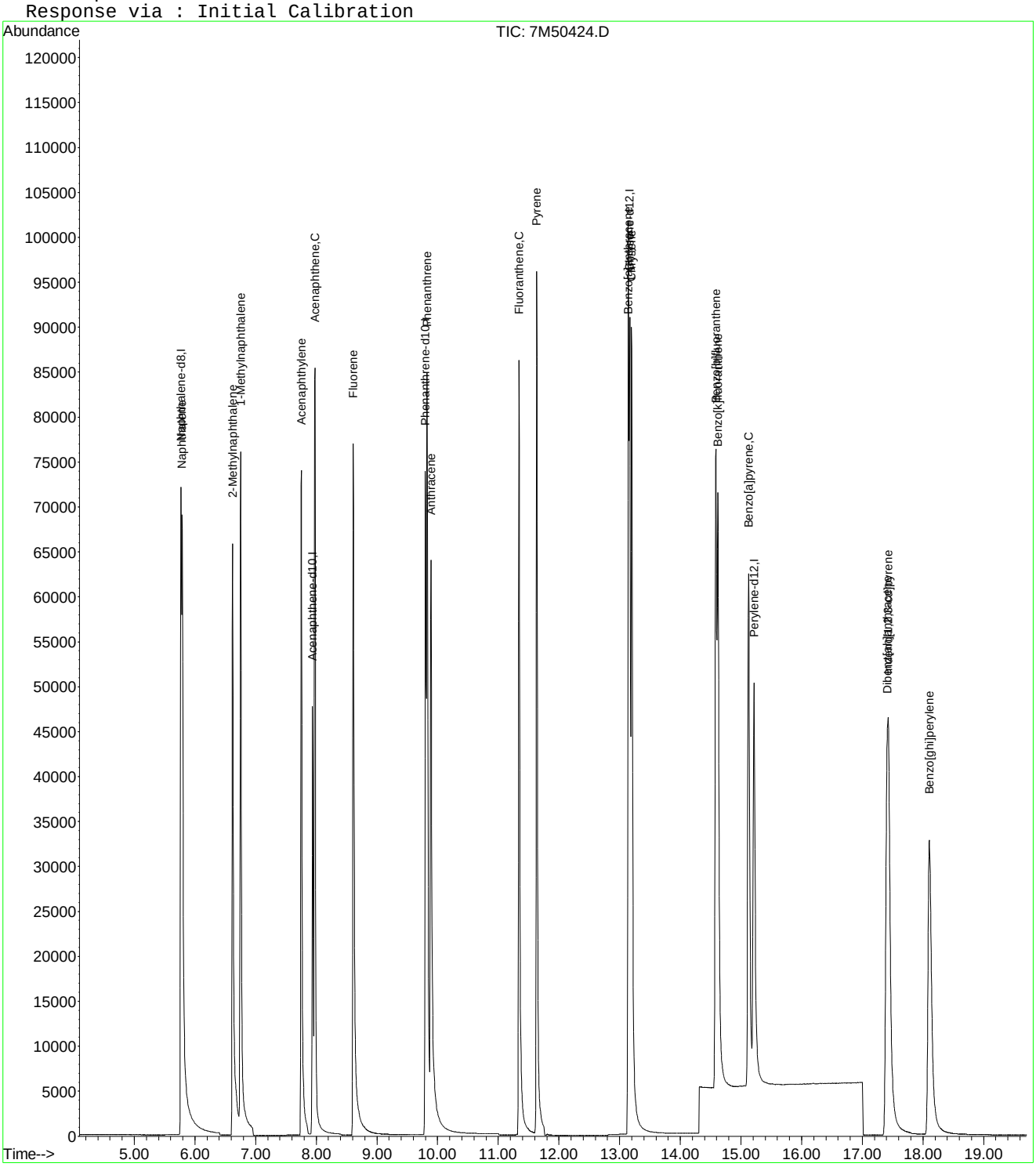
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.77	136	106884	1.00	ug/ml	0.00
6) Acenaphthene-d10	7.94	164	60630	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.80	188	109632	1.00	ug/ml	0.00
15) Chrysene-d12	13.17	240	117767	1.00	ug/ml	0.00
20) Perylene-d12	15.21	264	106726	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.96	82	1	0.0000	ug/ml	-0.01
Spiked Amount 2.500	Range 35 - 114		Recovery =	0.00%#		
7) 2-Fluorobiphenyl	6.96	172	39	0.0006	ug/ml	-0.10
Spiked Amount 2.500	Range 43 - 116		Recovery =	0.00%#		
17) p-Terphenyl-d14	11.80	244	694	0.0087	ug/ml	0.02
Spiked Amount 2.500	Range 33 - 141		Recovery =	0.40%#		
Target Compounds						Qvalue
3) Naphthalene	5.79	128	96967	0.9604	ug/ml	100
4) 2-Methylnaphthalene	6.62	142	62322	0.9576	ug/ml	100
5) 1-Methylnaphthalene	6.75	142	58992	0.9013	ug/ml	100
8) Acenaphthylene	7.75	152	105745	0.9617	ug/ml	100
9) Acenaphthene	7.98	154	60134	0.9664	ug/ml	100
10) Fluorene	8.61	166	68752	0.9567	ug/ml	100
12) Phenanthrene	9.83	178	99816	0.9371	ug/ml	100
13) Anthracene	9.89	178	95578	1.0313	ug/ml	99
14) Fluoranthene	11.34	202	117004	0.9528	ug/ml	100
16) Pyrene	11.63	202	132170	0.9069	ug/ml	100
18) Benzo[a]anthracene	13.14	228	105419	0.8503	ug/ml	98
19) Chrysene	13.20	228	117951	0.9294	ug/ml	99
21) Benzo[b]fluoranthene	14.59	252	106204	0.9424	ug/ml	100
22) Benzo[k]fluoranthene	14.62	252	118356m	0.8949	ug/ml	
23) Benzo[a]pyrene	15.13	252	112767	0.9704	ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.43	276	130339	0.9112	ug/ml	100
25) Dibenz[ah]anthracene	17.40	278	106707	0.8927	ug/ml	100
26) Benzo[ghi]perylene	18.11	276	112983	0.9282	ug/ml	100

(#) = qualifier out of range (m) = manual integration
7M50424.D SIMPAHL.M Mon Feb 14 07:16:49 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\021111\7M50424.D Vial: 9
Acq On : 11 Feb 2011 4:41 pm Operator: CAA
Sample : WG356259-09 1ppm PAHL Alt Src STD Inst : HPMS7
Misc : 1,1 STD43326 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:03 2011 Quant Results File: SIMPAHL.RES

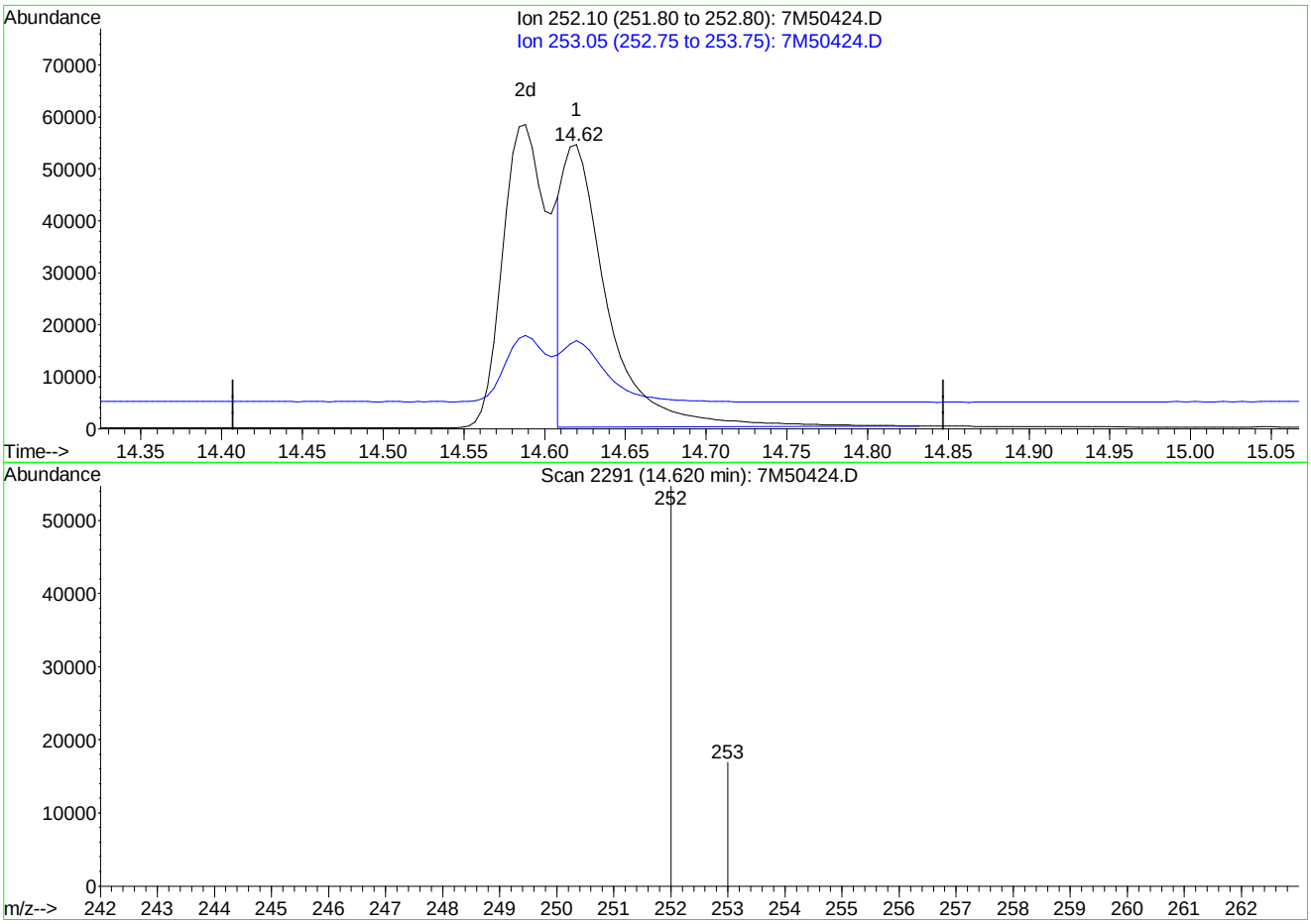
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50424.D Vial: 9
Acq On : 11 Feb 2011 4:41 pm Operator: CAA
Sample : WG356259-09 1ppm PAHL Alt Src STD Inst : HPMS7
Misc : 1,1 STD43326 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:03 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Multiple Level Calibration



TIC: 7M50424.D

(22) Benzo[k]fluoranthene

14.62min 0.80ug/ml

response 105191

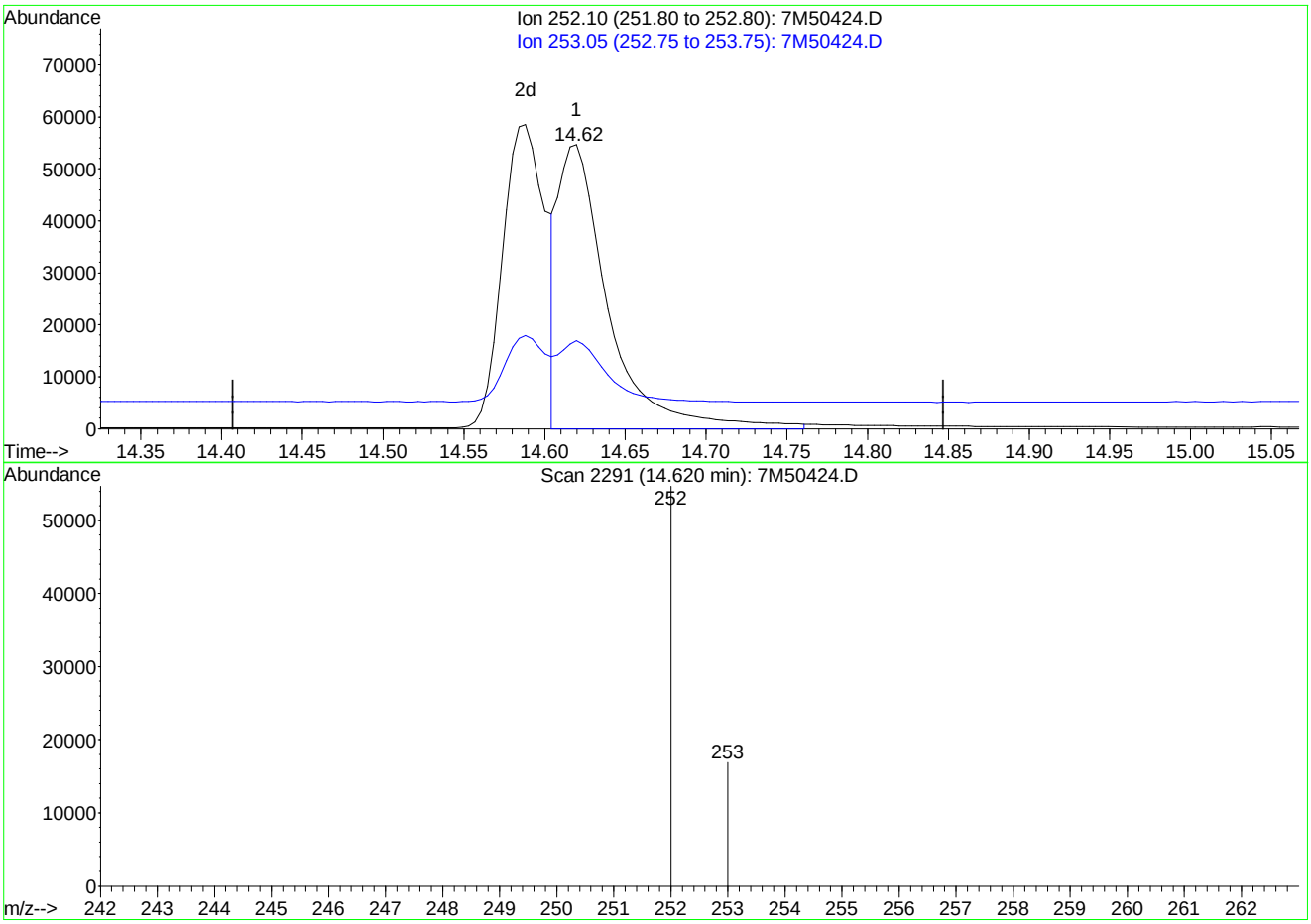
Ion	Exp%	Act%
252.10	100	100
253.05	19.00	20.75
0.00	0.00	0.00
0.00	0.00	0.00

7M50424.D SIMPAHL.M Mon Feb 14 07:03:35 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\021111\7M50424.D Vial: 9
Acq On : 11 Feb 2011 4:41 pm Operator: CAA
Sample : WG356259-09 1ppm PAHL Alt Src STD Inst : HPMS7
Misc : 1,1 STD43326 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 14 7:03 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 14 07:03:17 2011
Response via : Multiple Level Calibration



TIC: 7M50424.D

(22) Benzo[k]fluoranthene

14.62min 0.89ug/ml mint

response 118356

Ion	Exp%	Act%
252.10	100	100
253.05	19.00	18.44
0.00	0.00	0.00
0.00	0.00	0.00

7M50424.D SIMPAHL.M Mon Feb 14 07:03:43 2011

Analyst: 02/14/2011 08:30 Supervisor: 02/14/2011 10:33

#3 - Improperly integrated isomers and/or coeluting compounds

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03935.D
Acq On : 15 Feb 2011 9:38 am
Operator : CAA
Sample : WG356529-02 1ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 2 Sample Multiplier: 1

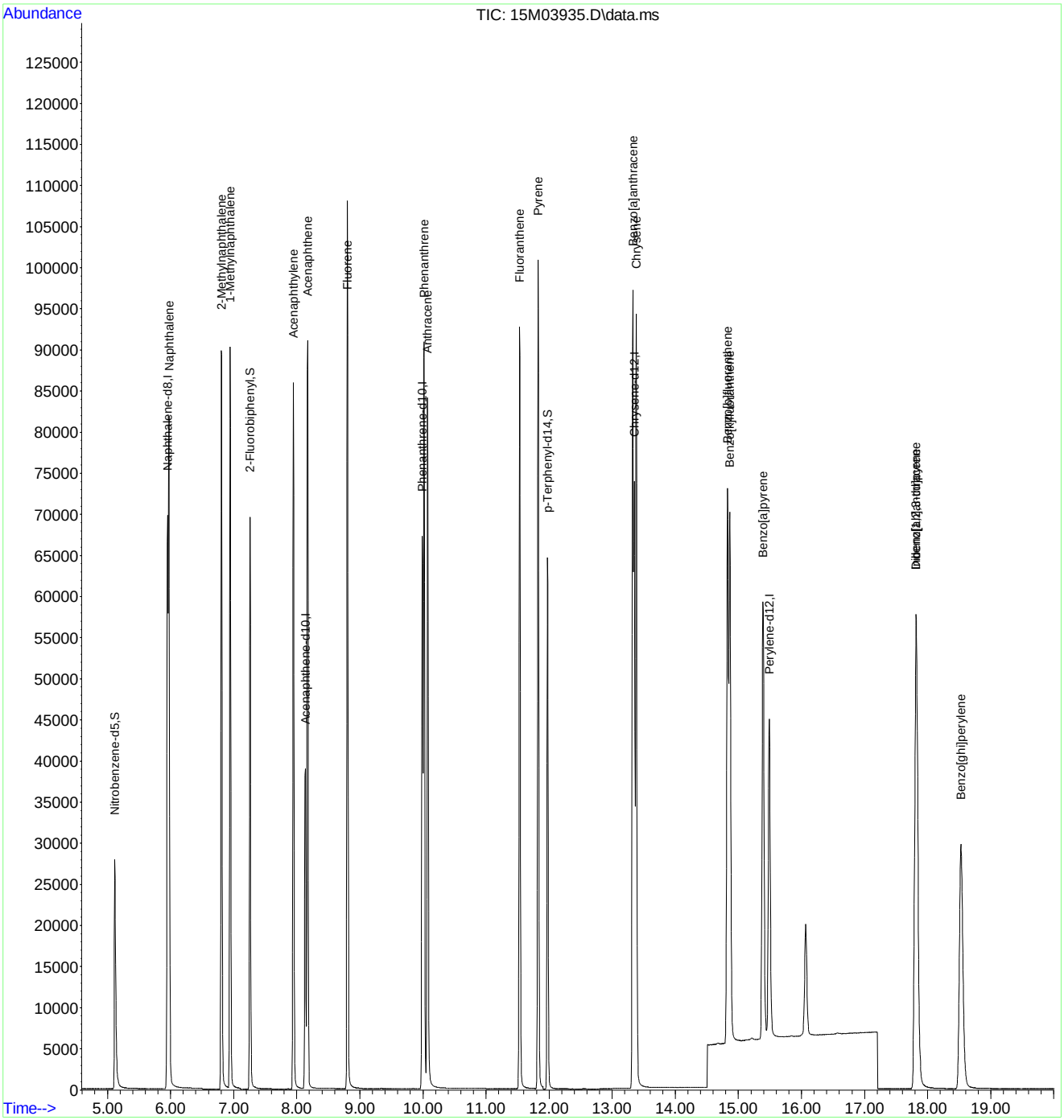
Quant Time: Feb 15 12:38:41 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:38:37 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.953	136	88421	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.136	164	48126	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	84788	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	93522	1.00	ug/mL	0.00
20) Perylene-d12	15.490	264	85766	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.118	82	30978	0.99	ug/mL	-0.04
Spiked Amount 2.500	Range 35 - 114		Recovery = 39.60%			
7) 2-Fluorobiphenyl	7.260	172	63305	0.92	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 36.80%#			
17) p-Terphenyl-d14	11.975	244	63167	1.00	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 40.00%			
Target Compounds						Qvalue
3) Naphthalene	5.975	128	91469	0.9792	ug/mL	99
4) 2-Methylnaphthalene	6.808	142	60084	0.9596	ug/mL	99
5) 1-Methylnaphthalene	6.944	142	59184	0.9830	ug/mL	99
8) Acenaphthylene	7.949	152	89545	1.0330	ug/mL	96
9) Acenaphthene	8.174	154	55901	0.9327	ug/mL	97
10) Fluorene	8.805	166	67555	0.9456	ug/mL	99
12) Phenanthrene	10.019	178	97820	0.9314	ug/mL	96
13) Anthracene	10.073	178	91598	0.9563	ug/mL	97
14) Fluoranthene	11.533	202	103341	0.9292	ug/mL	95
16) Pyrene	11.827	202	110884	1.0242	ug/mL	97
18) Benzo[a]anthracene	13.327	228	99178	1.0830	ug/mL	96
19) Chrysene	13.381	228	97835	1.1138	ug/mL	95
21) Benzo[b]fluoranthene	14.828	252	104367	0.9728	ug/mL	94
22) Benzo[k]fluoranthene	14.861	252	96028	1.0133	ug/mL	91
23) Benzo[a]pyrene	15.388	252	95643	0.9858	ug/mL	97
24) Indeno[1,2,3-cd]pyrene	17.817	276	113930	1.1295	ug/mL#	49
25) Dibenz[ah]anthracene	17.817	278	92293	1.1370	ug/mL#	51
26) Benzo[ghi]perylene	18.528	276	94509	1.1038	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03935.D
Acq On : 15 Feb 2011 9:38 am
Operator : CAA
Sample : WG356529-02 1ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 15 12:38:41 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:38:37 2011
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03936.D
Acq On : 15 Feb 2011 10:06 am
Operator : CAA
Sample : WG356529-03 10ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 3 Sample Multiplier: 1

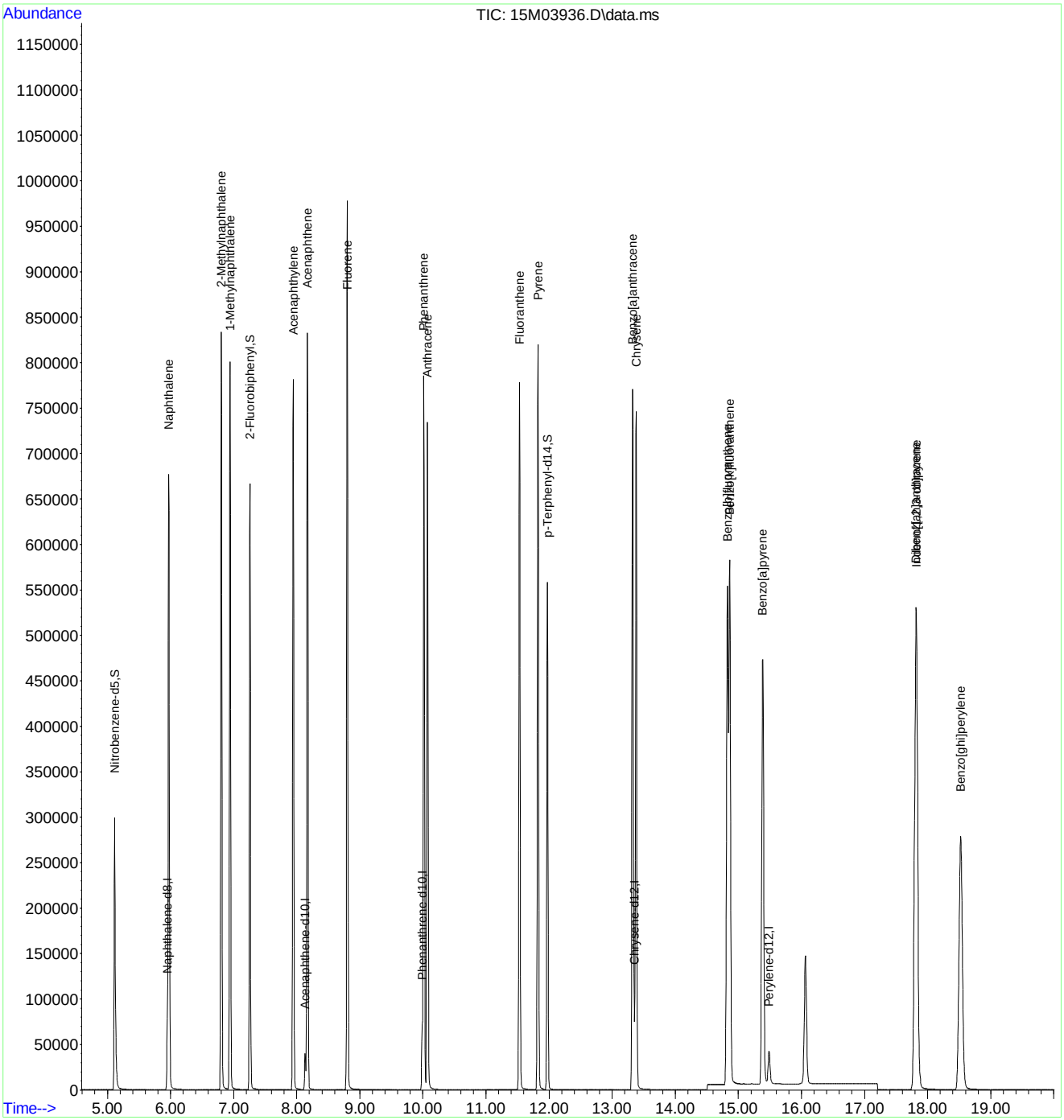
Quant Time: Feb 15 12:39:08 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:38:53 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	85902	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	47748	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	81951	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	90456	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	79045	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.114	82	306132	10.14	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 405.60%#			
7) 2-Fluorobiphenyl	7.257	172	586880	8.75	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 350.00%#			
17) p-Terphenyl-d14	11.971	244	550536	9.01	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 360.40%#			
Target Compounds						Qvalue
3) Naphthalene	5.969	128	778561	8.6668	ug/mL	94
4) 2-Methylnaphthalene	6.804	142	556360	9.2520	ug/mL	98
5) 1-Methylnaphthalene	6.944	142	533197	9.1938	ug/mL	99
8) Acenaphthylene	7.945	152	805577	9.4868	ug/mL	94
9) Acenaphthene	8.168	154	515990	8.8156	ug/mL	98
10) Fluorene	8.802	166	622508	8.9277	ug/mL	99
12) Phenanthrene	10.014	178	829719	8.3177	ug/mL	93
13) Anthracene	10.073	178	799456	8.8102	ug/mL	93
14) Fluoranthene	11.529	202	869452	8.2469	ug/mL	93
16) Pyrene	11.824	202	915378	8.7564	ug/mL	94
18) Benzo[a]anthracene	13.322	228	823674	9.2422	ug/mL	93
19) Chrysene	13.381	228	782700	9.1141	ug/mL	92
21) Benzo[b]fluoranthene	14.824	252	868681	8.8121	ug/mL	91
22) Benzo[k]fluoranthene	14.861	252	760576	8.7493	ug/mL	90
23) Benzo[a]pyrene	15.383	252	831739	9.3552	ug/mL	98
24) Indeno[1,2,3-cd]pyrene	17.821	276	1016708	10.7662	ug/mL#	100
25) Dibenz[ah]anthracene	17.818	278	829407	10.9021	ug/mL#	100
26) Benzo[ghi]perylene	18.525	276	839944	10.4992	ug/mL	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03936.D
Acq On : 15 Feb 2011 10:06 am
Operator : CAA
Sample : WG356529-03 10ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 15 12:39:08 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:38:53 2011
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03937.D
Acq On : 15 Feb 2011 10:34 am
Operator : CAA
Sample : WG356529-04 5ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 15 12:39:25 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:39:18 2011
Response via : Initial Calibration

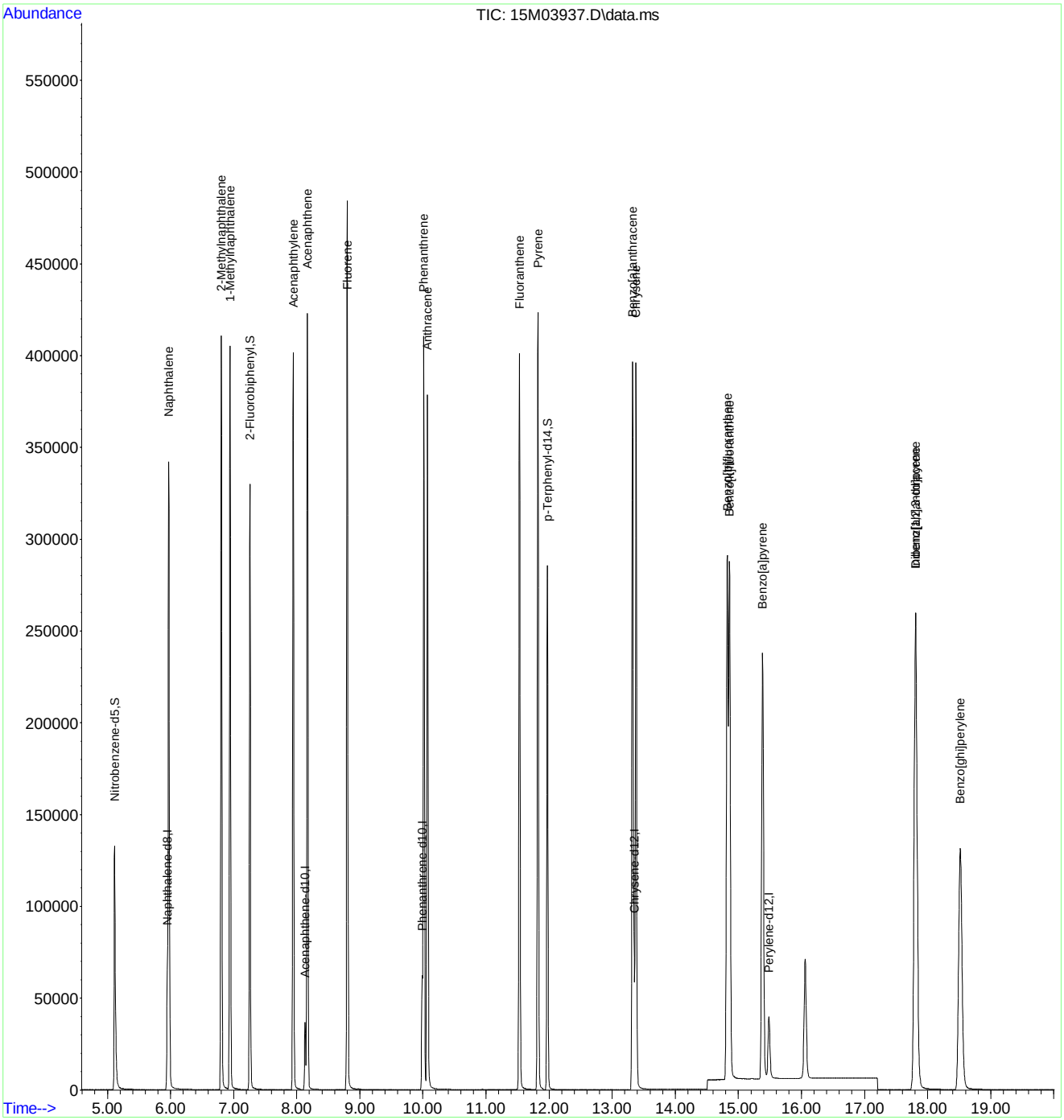
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	76513	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	42987	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	74610	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	83647	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	73437	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.114	82	139020	5.16	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 206.40%#			
7) 2-Fluorobiphenyl	7.257	172	287186	4.77	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 190.80%#			
17) p-Terphenyl-d14	11.971	244	273366	4.79	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 191.60%#			
Target Compounds						Qvalue
3) Naphthalene	5.969	128	386454	4.8157	ug/mL	98
4) 2-Methylnaphthalene	6.804	142	269638	5.0142	ug/mL	99
5) 1-Methylnaphthalene	6.940	142	260773	5.0309	ug/mL	99
8) Acenaphthylene	7.945	152	402547	5.2352	ug/mL	98
9) Acenaphthene	8.168	154	252303	4.7958	ug/mL	99
10) Fluorene	8.802	166	309109	4.9188	ug/mL	100
12) Phenanthrene	10.014	178	421873	4.6436	ug/mL	97
13) Anthracene	10.073	178	407287	4.9268	ug/mL	97
14) Fluoranthene	11.529	202	444739	4.6424	ug/mL	98
16) Pyrene	11.824	202	470868	4.8055	ug/mL	98
18) Benzo[a]anthracene	13.322	228	416510	4.9810	ug/mL	97
19) Chrysene	13.376	228	404263	5.0228	ug/mL	97
21) Benzo[b]fluoranthene	14.824	252	425074	4.6525	ug/mL	95
22) Benzo[k]fluoranthene	14.857	252	391713	4.8899	ug/mL	93
23) Benzo[a]pyrene	15.383	252	408968	4.9510	ug/mL	100
24) Indeno[1,2,3-cd]pyrene	17.810	276	489686	5.5070	ug/mL#	100
25) Dibenz[ah]anthracene	17.807	278	398702	5.5708	ug/mL#	100
26) Benzo[ghi]perylene	18.517	276	403279	5.3571	ug/mL	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03937.D
Acq On : 15 Feb 2011 10:34 am
Operator : CAA
Sample : WG356529-04 5ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 15 12:39:25 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:39:18 2011
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03938.D
Acq On : 15 Feb 2011 11:02 am
Operator : CAA
Sample : WG356529-05 2.5ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 5 Sample Multiplier: 1

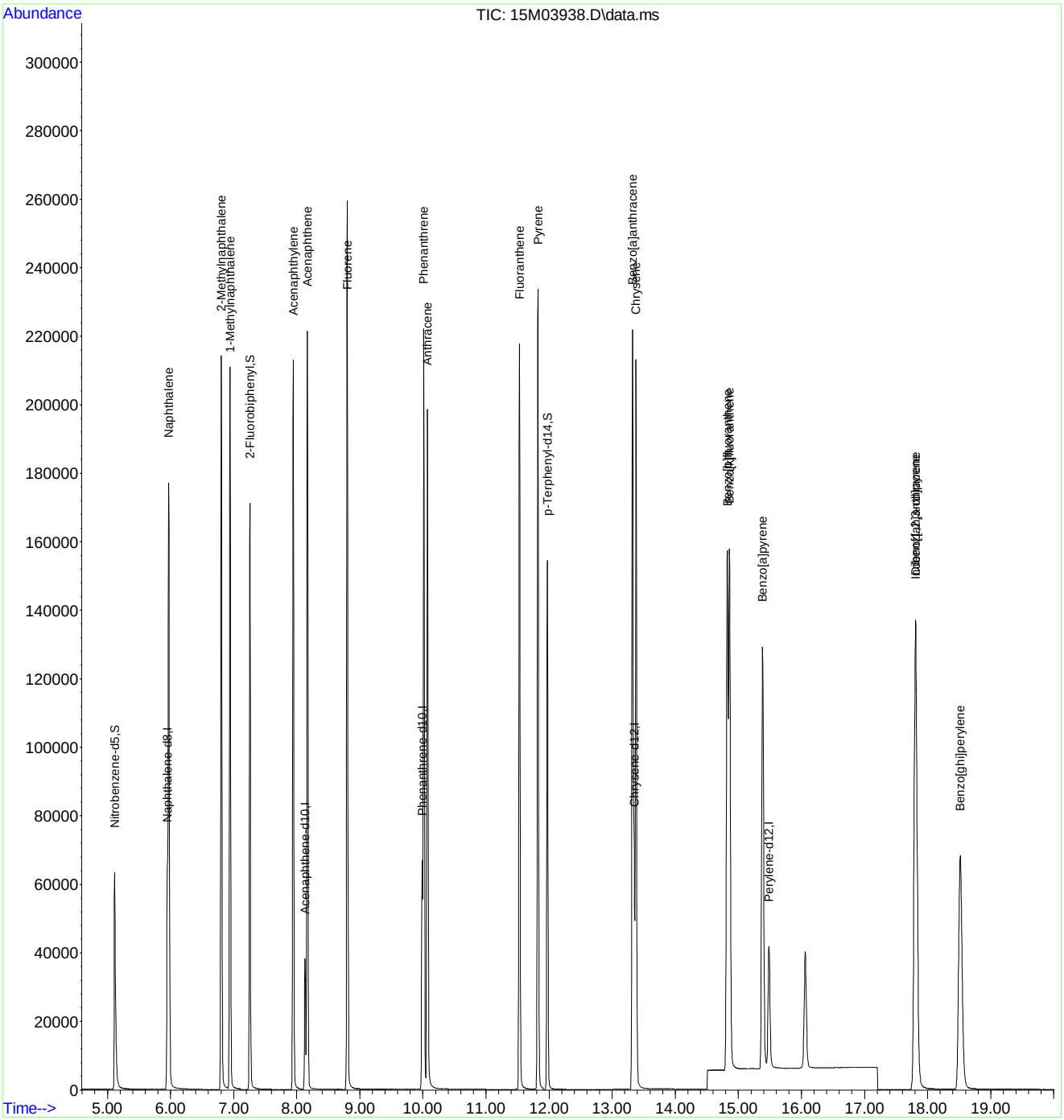
Quant Time: Feb 15 12:39:40 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:39:34 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	79584	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	45447	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	79439	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	88789	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	78207	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.114	82	69900	2.50	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 100.00%			
7) 2-Fluorobiphenyl	7.257	172	151667	2.40	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 96.00%			
17) p-Terphenyl-d14	11.971	244	147133	2.42	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 96.80%			
Target Compounds						Qvalue
3) Naphthalene	5.969	128	204347	2.4507	ug/mL	99
4) 2-Methylnaphthalene	6.804	142	140078	2.5042	ug/mL	99
5) 1-Methylnaphthalene	6.944	142	136971	2.5391	ug/mL	100
8) Acenaphthylene	7.945	152	213321	2.6190	ug/mL	100
9) Acenaphthene	8.168	154	133157	2.4062	ug/mL	99
10) Fluorene	8.802	166	163374	2.4637	ug/mL	100
12) Phenanthrene	10.014	178	229277	2.3813	ug/mL	99
13) Anthracene	10.073	178	218887	2.4945	ug/mL	99
14) Fluoranthene	11.529	202	241657	2.3864	ug/mL	99
16) Pyrene	11.824	202	257557	2.4523	ug/mL	99
18) Benzo[a]anthracene	13.322	228	226217	2.5211	ug/mL	99
19) Chrysene	13.376	228	220901	2.5549	ug/mL	99
21) Benzo[b]fluoranthene	14.824	252	227373	2.3545	ug/mL	96
22) Benzo[k]fluoranthene	14.857	252	212133	2.5108	ug/mL	95
23) Benzo[a]pyrene	15.383	252	217848	2.4812	ug/mL	99
24) Indeno[1,2,3-cd]pyrene	17.810	276	259827	2.7078	ug/mL#	100
25) Dibenz[ah]anthracene	17.807	278	211035	2.7334	ug/mL#	100
26) Benzo[ghi]perylene	18.517	276	214196	2.6401	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03938.D
Acq On : 15 Feb 2011 11:02 am
Operator : CAA
Sample : WG356529-05 2.5ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 15 12:39:40 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:39:34 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03939.D
Acq On : 15 Feb 2011 11:30 am
Operator : CAA
Sample : WG356529-06 0.5ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 6 Sample Multiplier: 1

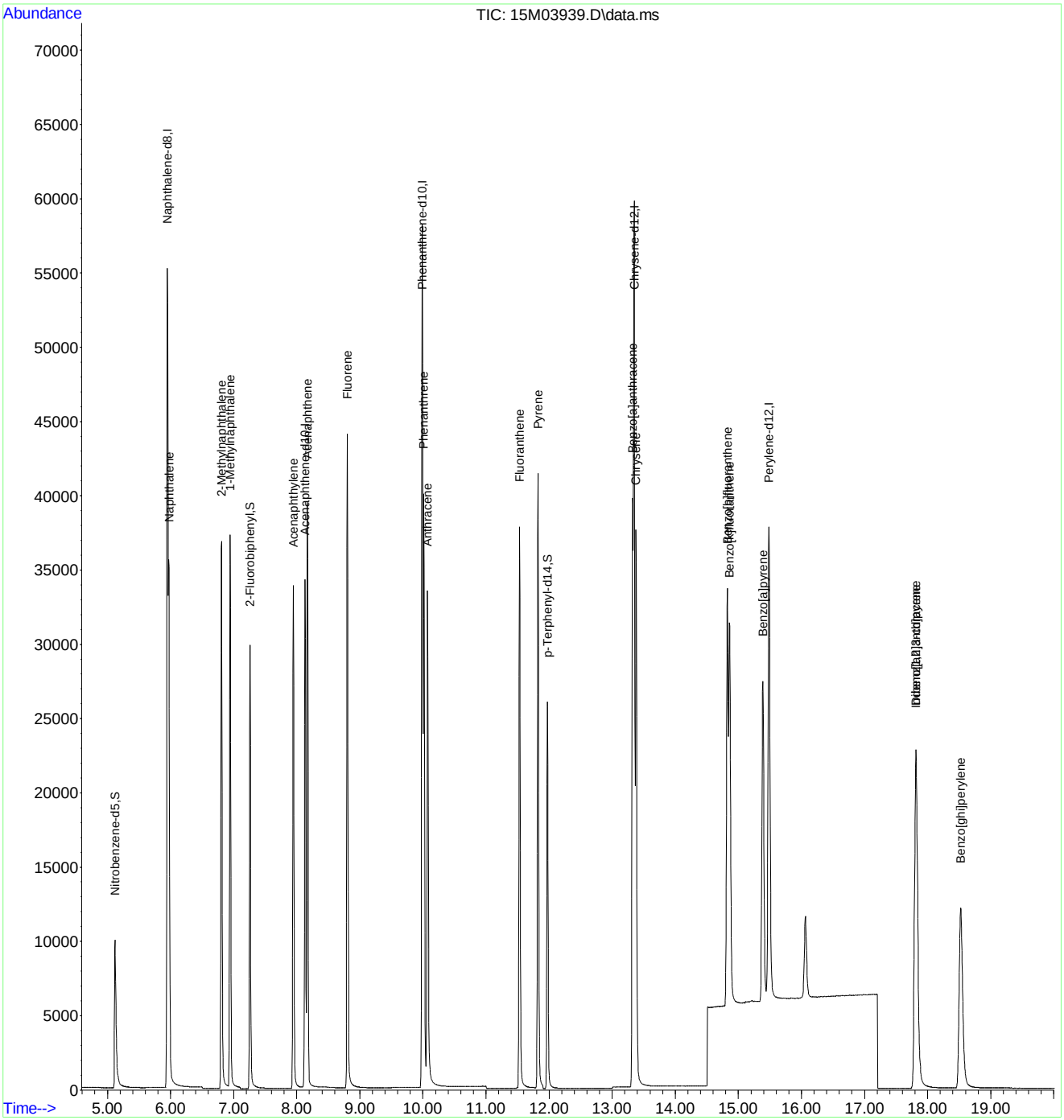
Quant Time: Feb 15 12:39:54 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:39:48 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	73587	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	41274	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	73398	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	78756	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	70929	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.122	82	12439	0.48	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 19.20%#			
7) 2-Fluorobiphenyl	7.260	172	27898	0.49	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 19.60%#			
17) p-Terphenyl-d14	11.975	244	26698	0.49	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 19.60%#			
Target Compounds						Qvalue
3) Naphthalene	5.975	128	38428	0.5007	ug/mL	100
4) 2-Methylnaphthalene	6.808	142	25540	0.4952	ug/mL	100
5) 1-Methylnaphthalene	6.944	142	25808	0.5180	ug/mL	100
8) Acenaphthylene	7.949	152	37377	0.5066	ug/mL	99
9) Acenaphthene	8.168	154	24450	0.4908	ug/mL	99
10) Fluorene	8.805	166	29439	0.4918	ug/mL	100
12) Phenanthrene	10.014	178	42051	0.4775	ug/mL	100
13) Anthracene	10.073	178	38480	0.4788	ug/mL	100
14) Fluoranthene	11.533	202	43841	0.4743	ug/mL	100
16) Pyrene	11.824	202	47177	0.5045	ug/mL	99
18) Benzo[a]anthracene	13.322	228	40826	0.5095	ug/mL	99
19) Chrysene	13.376	228	40923	0.5292	ug/mL	100
21) Benzo[b]fluoranthene	14.824	252	42517	0.4902	ug/mL	100
22) Benzo[k]fluoranthene	14.857	252	37128	0.4855	ug/mL	95
23) Benzo[a]pyrene	15.388	252	38493	0.4851	ug/mL	100
24) Indeno[1,2,3-cd]pyrene	17.818	276	46403	0.5257	ug/mL#	100
25) Dibenz[ah]anthracene	17.814	278	37737	0.5313	ug/mL#	100
26) Benzo[ghi]perylene	18.525	276	38834	0.5214	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03939.D
Acq On : 15 Feb 2011 11:30 am
Operator : CAA
Sample : WG356529-06 0.5ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 15 12:39:54 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:39:48 2011
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03940.D
Acq On : 15 Feb 2011 11:59 am
Operator : CAA
Sample : WG356529-07 0.1ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 7 Sample Multiplier: 1

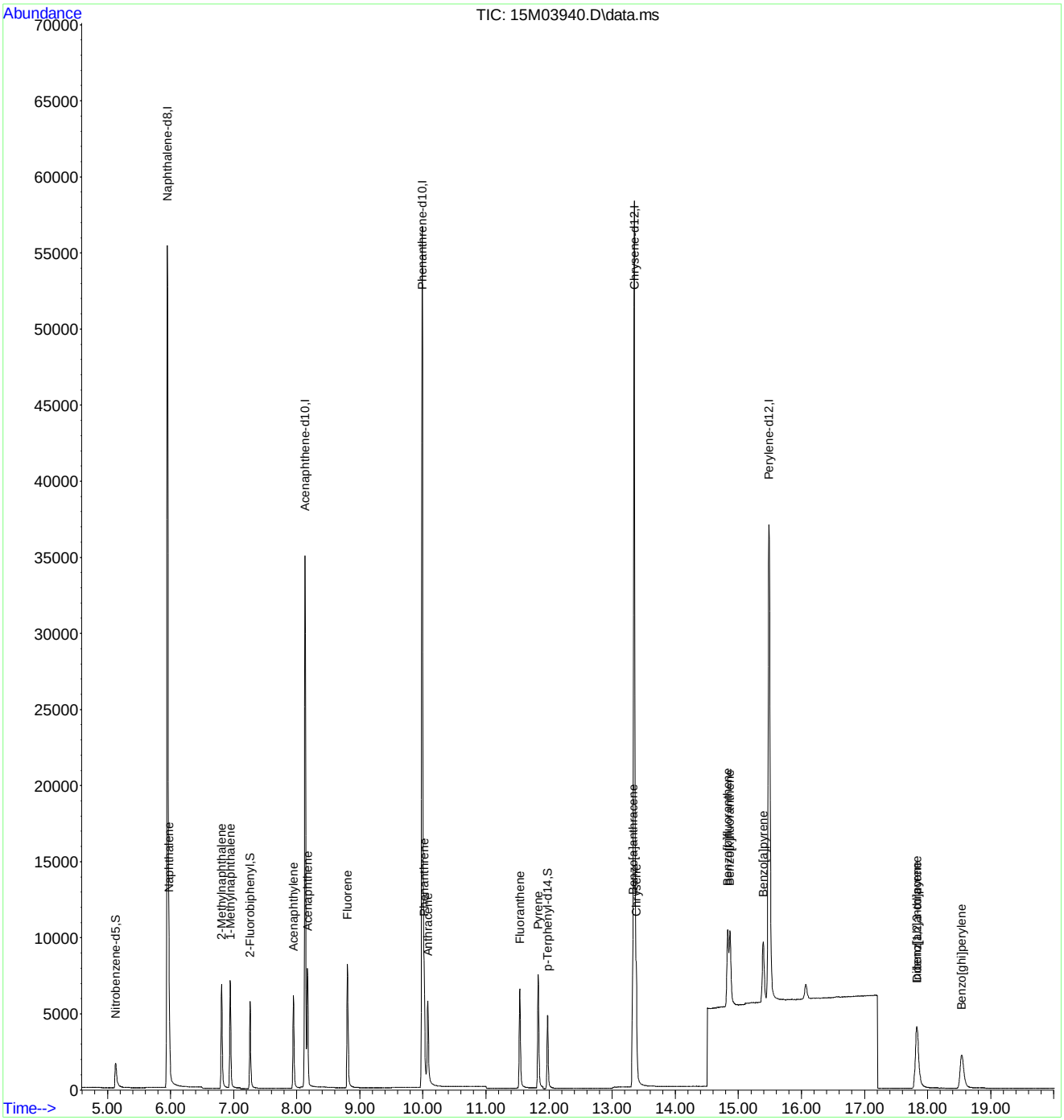
Quant Time: Feb 15 12:40:12 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:40:05 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	75653	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	42128	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	73987	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	78703	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	71273	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.129	82	2401	0.09	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery =	3.60%#		
7) 2-Fluorobiphenyl	7.261	172	5627	0.10	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery =	4.00%#		
17) p-Terphenyl-d14	11.975	244	5239	0.10	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery =	4.00%#		
Target Compounds						Qvalue
3) Naphthalene	5.975	128	7874	0.1005	ug/mL	100
4) 2-Methylnaphthalene	6.808	142	5119	0.0972	ug/mL	100
5) 1-Methylnaphthalene	6.948	142	5687	0.1109	ug/mL	89
8) Acenaphthylene	7.949	152	7272	0.0968	ug/mL	91
9) Acenaphthene	8.174	154	4875	0.0970	ug/mL	100
10) Fluorene	8.805	166	5743	0.0950	ug/mL	100
12) Phenanthrene	10.020	178	8355	0.0959	ug/mL	100
13) Anthracene	10.079	178	6950	0.0874	ug/mL	100
14) Fluoranthene	11.537	202	8432	0.0924	ug/mL	99
16) Pyrene	11.828	202	9317	0.0999	ug/mL	91
18) Benzo[a]anthracene	13.327	228	7870	0.0981	ug/mL	100
19) Chrysene	13.381	228	8262	0.1062	ug/mL	99
21) Benzo[b]fluoranthene	14.828	252	7646	0.0886	ug/mL	100
22) Benzo[k]fluoranthene	14.865	252	8027	0.1055	ug/mL	98
23) Benzo[a]pyrene	15.394	252	7293	0.0923	ug/mL	97
24) Indeno[1,2,3-cd]pyrene	17.832	276	8948	0.0993	ug/mL#	100
25) Dibenz[ah]anthracene	17.829	278	7258	0.0999	ug/mL#	100
26) Benzo[ghi]perylene	18.539	276	7677	0.1013	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03940.D
Acq On : 15 Feb 2011 11:59 am
Operator : CAA
Sample : WG356529-07 0.1ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 15 12:40:12 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:40:05 2011
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03941.D
Acq On : 15 Feb 2011 12:28 pm
Operator : CAA
Sample : WG356529-08 0.05ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 8 Sample Multiplier: 1

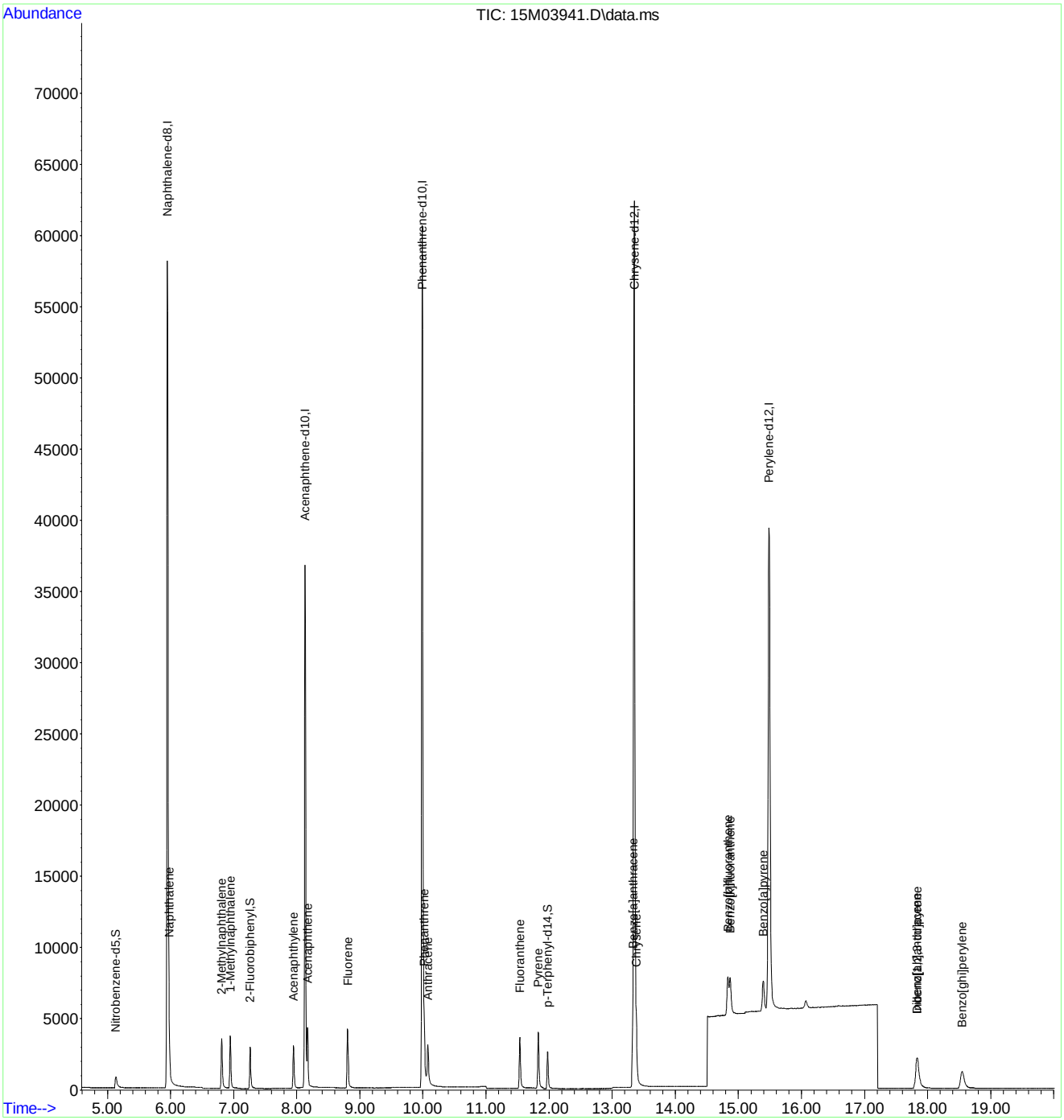
Quant Time: Feb 15 12:44:07 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:40:20 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	80934	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	45035	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	80027	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	86398	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	77065	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.133	82	1272	0.05	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery =	2.00%#		
7) 2-Fluorobiphenyl	7.260	172	3024	0.05	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery =	2.00%#		
17) p-Terphenyl-d14	11.975	244	2911	0.05	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery =	2.00%#		
Target Compounds						Qvalue
3) Naphthalene	5.975	128	4265	0.0513	ug/mL	100
4) 2-Methylnaphthalene	6.811	142	2735	0.0489	ug/mL	99
5) 1-Methylnaphthalene	6.948	142	2674	0.0481	ug/mL	100
8) Acenaphthylene	7.949	152	3968	0.0493	ug/mL	92
9) Acenaphthene	8.174	154	2622	0.0495	ug/mL	99
10) Fluorene	8.809	166	3035	0.0477	ug/mL	98
12) Phenanthrene	10.020	178	4549	0.0493	ug/mL	100
13) Anthracene	10.079	178	3597	0.0428	ug/mL	99
14) Fluoranthene	11.537	202	4571	0.0475	ug/mL	99
16) Pyrene	11.828	202	5174	0.0511	ug/mL	84
18) Benzo[a]anthracene	13.327	228	4384	0.0500	ug/mL	99
19) Chrysene	13.381	228	4601	0.0534	ug/mL	99
21) Benzo[b]fluoranthene	14.832	252	4309	0.0475	ug/mL	100
22) Benzo[k]fluoranthene	14.868	252	4148	0.0501	ug/mL	98
23) Benzo[a]pyrene	15.394	252	3937	0.0468	ug/mL	95
24) Indeno[1,2,3-cd]pyrene	17.836	276	4912	0.0497	ug/mL#	100
25) Dibenz[ah]anthracene	17.829	278	4005	0.0501	ug/mL#	100
26) Benzo[ghi]perylene	18.543	276	4181	0.0504	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03941.D
Acq On : 15 Feb 2011 12:28 pm
Operator : CAA
Sample : WG356529-08 0.05ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 15 12:44:07 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:40:20 2011
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03942.D
Acq On : 15 Feb 2011 12:56 pm
Operator : CAA
Sample : WG356529-09 1ppm PAHL Alt Src STD
Misc : 1,1 STD43326
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 15 13:20:11 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:44:16 2011
Response via : Initial Calibration

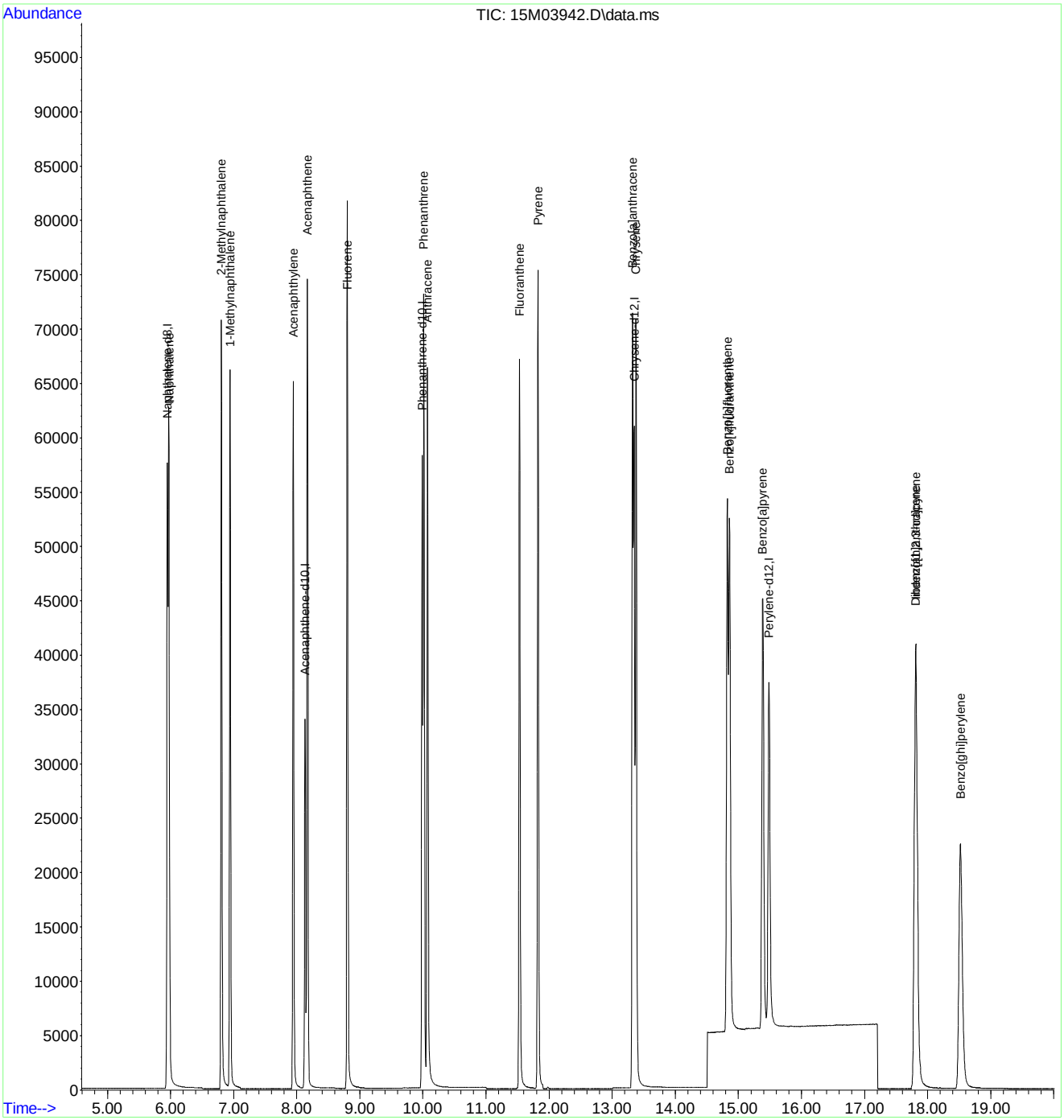
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.948	136	72946	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.131	164	41159	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.987	188	72656	1.00	ug/mL	0.00
15) Chrysene-d12	13.349	240	79790	1.00	ug/mL	0.00
20) Perylene-d12	15.485	264	70088	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.136	82	7	0.00	ug/mL	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery =	0.00%#		
7) 2-Fluorobiphenyl	7.106	172	30	0.00	ug/mL	-0.15
Spiked Amount 2.500	Range 43 - 116		Recovery =	0.00%#		
17) p-Terphenyl-d14	11.979	244	201	0.00	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery =	0.00%#		
Target Compounds						Qvalue
3) Naphthalene	5.975	128	70873	0.9556	ug/mL	100
4) 2-Methylnaphthalene	6.804	142	46630	0.9356	ug/mL	100
5) 1-Methylnaphthalene	6.944	142	44855	0.9016	ug/mL	100
8) Acenaphthylene	7.945	152	67556	0.9120	ug/mL	100
9) Acenaphthene	8.168	154	45018	0.9459	ug/mL	99
10) Fluorene	8.802	166	53031	0.9278	ug/mL	100
12) Phenanthrene	10.014	178	76279	0.9346	ug/mL	100
13) Anthracene	10.073	178	74608	1.0072	ug/mL	100
14) Fluoranthene	11.529	202	79191	0.9344	ug/mL	100
16) Pyrene	11.824	202	84732	0.9219	ug/mL	100
18) Benzo[a]anthracene	13.322	228	71225	0.8879	ug/mL	99
19) Chrysene	13.376	228	75700	0.9451	ug/mL	100
21) Benzo[b]fluoranthene	14.824	252	69869	0.8694	ug/mL	96
22) Benzo[k]fluoranthene	14.857	252	70603	0.9423	ug/mL	100
23) Benzo[a]pyrene	15.383	252	71857	0.9536	ug/mL	99
24) Indeno[1,2,3-cd]pyrene	17.814	276	81609	0.8941	ug/mL#	100
25) Dibenz[ah]anthracene	17.807	278	65716	0.8855	ug/mL#	100
26) Benzo[ghi]perylene	18.521	276	70812	0.9287	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03942.D
Acq On : 15 Feb 2011 12:56 pm
Operator : CAA
Sample : WG356529-09 1ppm PAHL Alt Src STD
Misc : 1,1 STD43326
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 15 13:20:11 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 15 12:44:16 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50502.D Vial: 2
Acq On : 21 Feb 2011 10:14 am Operator: CAA
Sample : WG357051-02 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 21 10:34:26 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 21 10:07:44 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

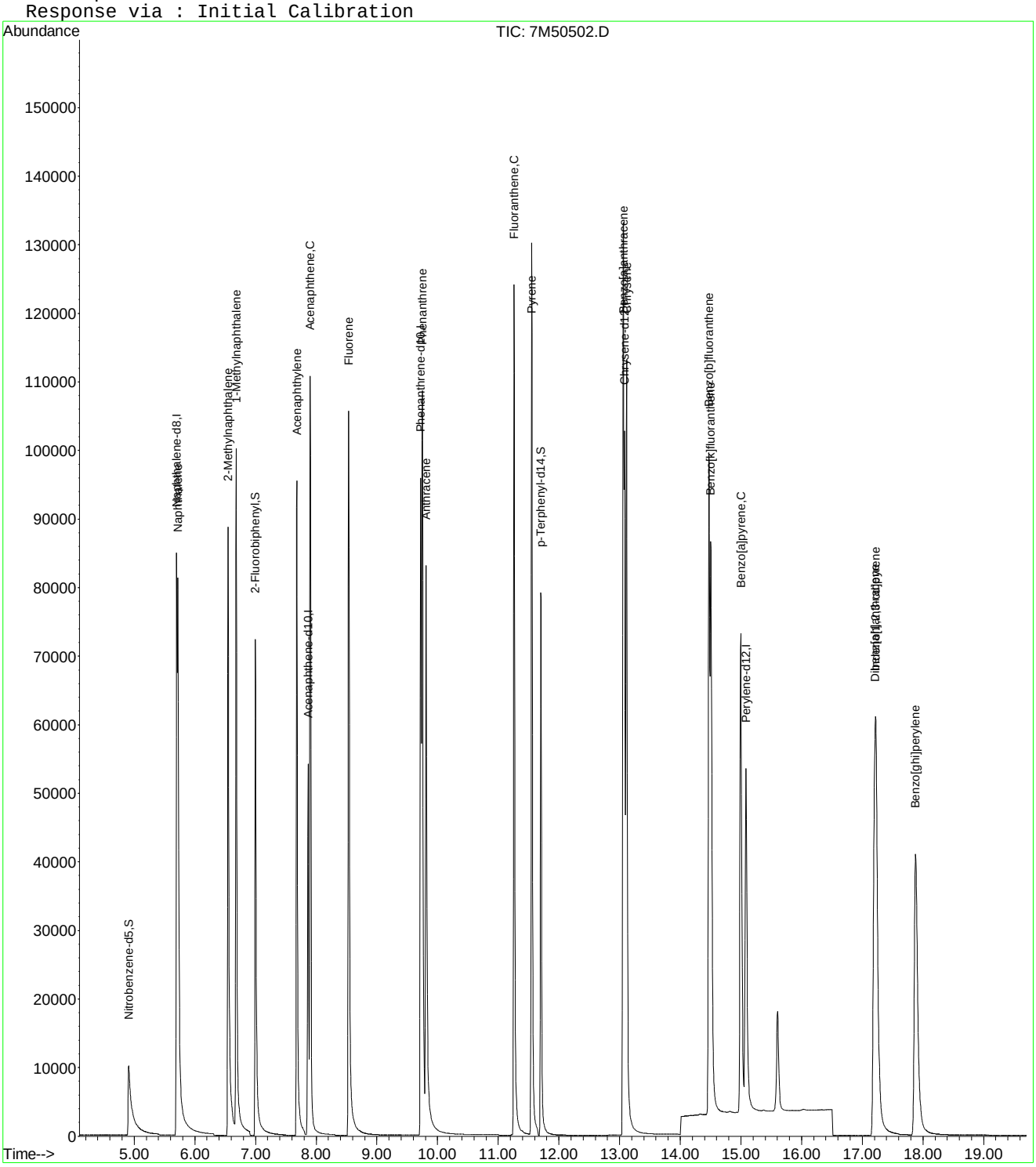
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	114101	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.87	164	71309	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	124598	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	126506	1.00	ug/ml	0.00
20) Perylene-d12	15.09	264	112960	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.91	82	27829	0.8645	ug/ml	0.00
Spiked Amount 2.500	Range 35 - 114		Recovery = 34.40%#			
7) 2-Fluorobiphenyl	7.00	172	81254	0.9941	ug/ml	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 39.60%#			
17) p-Terphenyl-d14	11.70	244	91199	1.0648	ug/ml	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 42.40%			
Target Compounds						Qvalue
3) Naphthalene	5.72	128	110896	1.0289	ug/ml	100
4) 2-Methylnaphthalene	6.55	142	75880	1.0922	ug/ml	100
5) 1-Methylnaphthalene	6.68	142	74257	1.0627	ug/ml	99
8) Acenaphthylene	7.68	152	112247	0.8680	ug/ml	100
9) Acenaphthene	7.90	154	71283	0.9740	ug/ml	99
10) Fluorene	8.54	166	83451	0.9874	ug/ml	100
12) Phenanthrene	9.75	178	128163	1.0587	ug/ml	100
13) Anthracene	9.81	178	110542	1.0495	ug/ml	99
14) Fluoranthene	11.26	202	150365	1.0773	ug/ml	100
16) Pyrene	11.55	202	166817	1.0655	ug/ml	100
18) Benzo[a]anthracene	13.06	228	139854	1.0502	ug/ml	99
19) Chrysene	13.12	228	134588	0.9872	ug/ml	99
21) Benzo[b]fluoranthene	14.47	252	137928	1.1564	ug/ml	91
22) Benzo[k]fluoranthene	14.50	252	130023	0.9289	ug/ml	88
23) Benzo[a]pyrene	15.00	252	128736	1.0467	ug/ml	99
24) Indeno[1,2,3-cd]pyrene	17.23	276	157790	1.0422	ug/ml	100
25) Dibenz[ah]anthracene	17.20	278	129785	1.0259	ug/ml	100
26) Benzo[ghi]perylene	17.88	276	130995	1.0168	ug/ml	99

(#) = qualifier out of range (m) = manual integration
7M50502.D SIMPAHL.M Tue Feb 22 06:51:56 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50502.D Vial: 2
Acq On : 21 Feb 2011 10:14 am Operator: CAA
Sample : WG357051-02 1ppm PAHL STD Inst : HPMS7
Misc : 1,1 STD41768 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 21 10:34 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Mon Feb 21 10:07:44 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03983.D
Acq On : 22 Feb 2011 11:38 am
Operator : CAA
Sample : WG357220-02 1ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 2 Sample Multiplier: 1

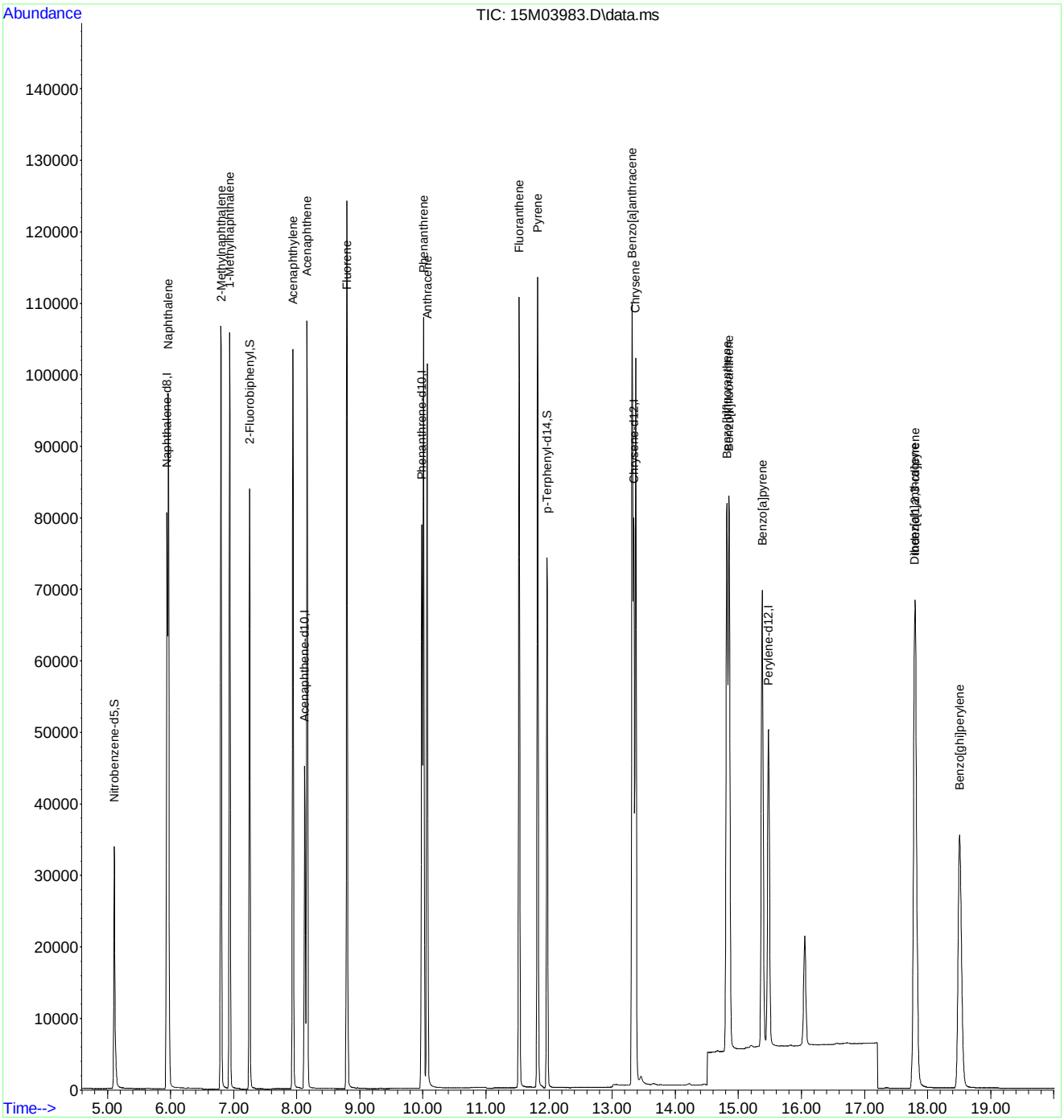
Quant Time: Feb 22 11:55:45 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 07:50:29 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.943	136	98793	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.125	164	54184	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.982	188	95247	1.00	ug/mL	0.00
15) Chrysene-d12	13.344	240	102696	1.00	ug/mL	0.00
20) Perylene-d12	15.479	264	98690	1.00	ug/mL	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	5.107	82	35615	1.06	ug/mL	-0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 42.40%			
7) 2-Fluorobiphenyl	7.253	172	73703	1.03	ug/mL	0.00
Spiked Amount 2.500	Range 43 - 116		Recovery = 41.20%#			
17) p-Terphenyl-d14	11.967	244	71752	1.06	ug/mL	0.00
Spiked Amount 2.500	Range 33 - 141		Recovery = 42.40%			
Target Compounds						Qvalue
3) Naphthalene	5.964	128	103647	1.0319	ug/mL	100
4) 2-Methylnaphthalene	6.800	142	68706	1.0179	ug/mL	100
5) 1-Methylnaphthalene	6.936	142	67213	0.9976	ug/mL	99
8) Acenaphthylene	7.942	152	105257	1.0794	ug/mL	98
9) Acenaphthene	8.163	154	64374	1.0274	ug/mL	99
10) Fluorene	8.798	166	77792	1.0338	ug/mL	99
12) Phenanthrene	10.009	178	111417	1.0413	ug/mL	100
13) Anthracene	10.068	178	106365	1.0954	ug/mL	100
14) Fluoranthene	11.526	202	118717	1.0685	ug/mL	100
16) Pyrene	11.816	202	126753	1.0715	ug/mL	98
18) Benzo[a]anthracene	13.317	228	110098	1.0663	ug/mL	100
19) Chrysene	13.370	228	105317	1.0215	ug/mL	99
21) Benzo[b]fluoranthene	14.817	252	111850	0.9884	ug/mL	96
22) Benzo[k]fluoranthene	14.850	252	109118	1.0343	ug/mL	96
23) Benzo[a]pyrene	15.377	252	110728	1.0436	ug/mL	99
24) Indeno[1,2,3-cd]pyrene	17.799	276	130935	1.0188	ug/mL#	100
25) Dibenz[ah]anthracene	17.796	278	105783	1.0122	ug/mL#	100
26) Benzo[ghi]perylene	18.506	276	109024	1.0154	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

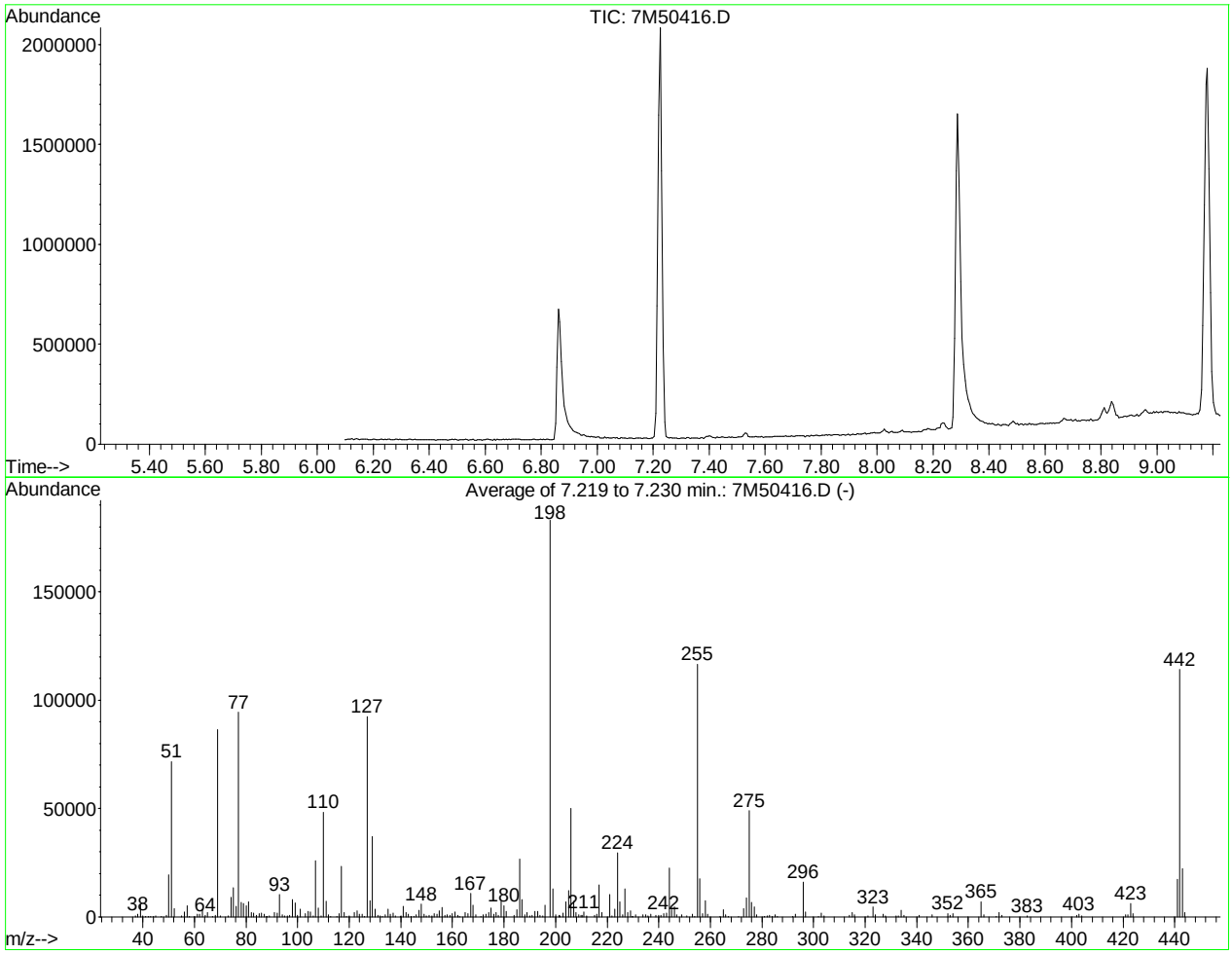
Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03983.D
Acq On : 22 Feb 2011 11:38 am
Operator : CAA
Sample : WG357220-02 1ppm PAHL STD
Misc : 1,1 STD41768
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 22 11:55:45 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 07:50:29 2011
Response via : Initial Calibration



2.1.1.5 Raw QC Data

Data File : C:\MSDCHEM\1\DATA\021111\7M50416.D Vial: 1
Acq On : 11 Feb 2011 1:13 pm Operator: CAA
Sample : WG356259-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 STD41383 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP



AutoFind: Scans 211, 212, 213; Background Corrected with Scan 205

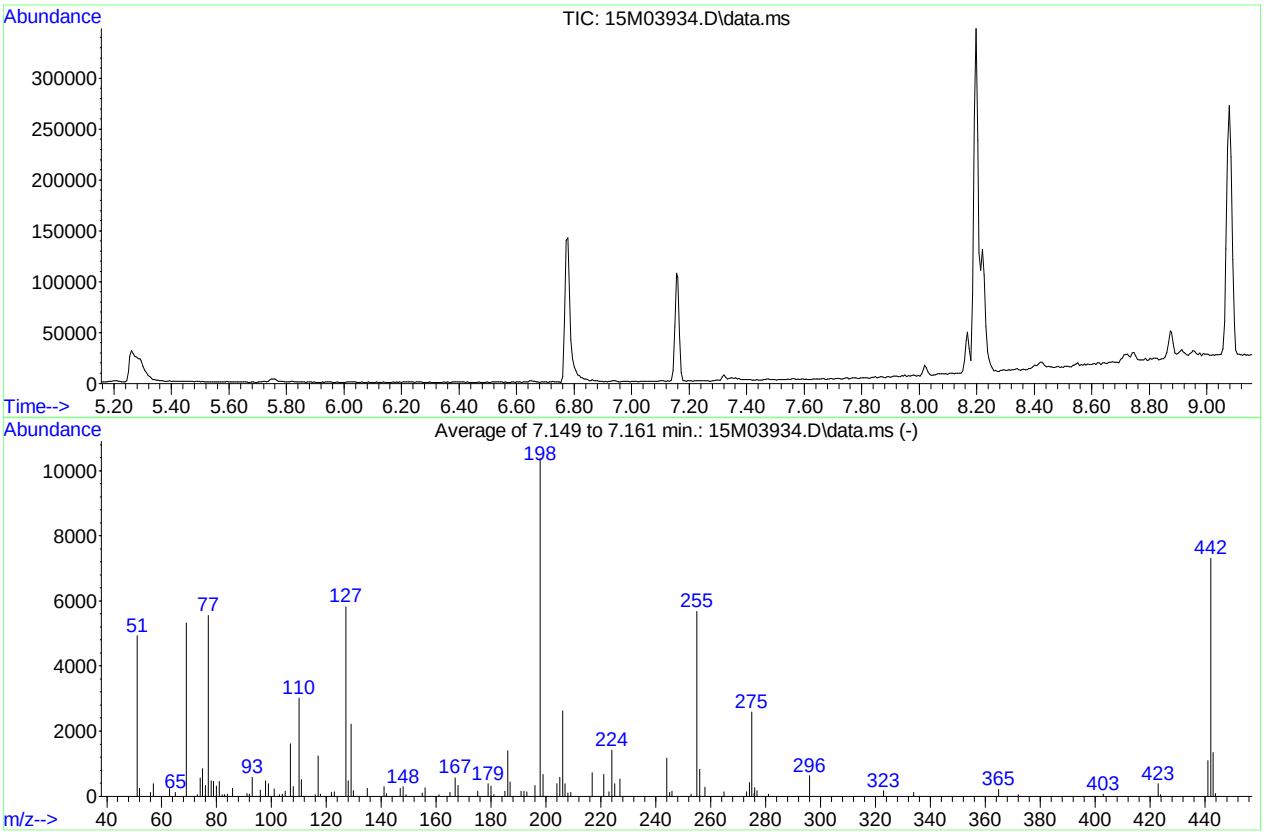
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.2	71719	PASS
68	69	0.00	2	0.8	668	PASS
69	198	0.00	100	47.2	86472	PASS
70	69	0.00	2	0.6	498	PASS
127	198	40	60	50.5	92405	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	183104	PASS
199	198	5	9	7.0	12804	PASS
275	198	10	30	26.8	48981	PASS
365	198	1	100	3.7	6848	PASS
441	443	0.01	100	78.0	17361	PASS
442	198	40	100	62.4	114272	PASS
443	442	17	23	19.5	22252	PASS

7M50416.D DFTPP.M Mon Feb 14 07:16:09 2011

Data Path : C:\msdchem\1\DATA\021511\
Data File : 15M03934.D
Acq On : 15 Feb 2011 9:19 am
Operator : CAA
Sample : WG356529-01 5ppm DFTPP STD
Misc : 1,1 STD41383
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

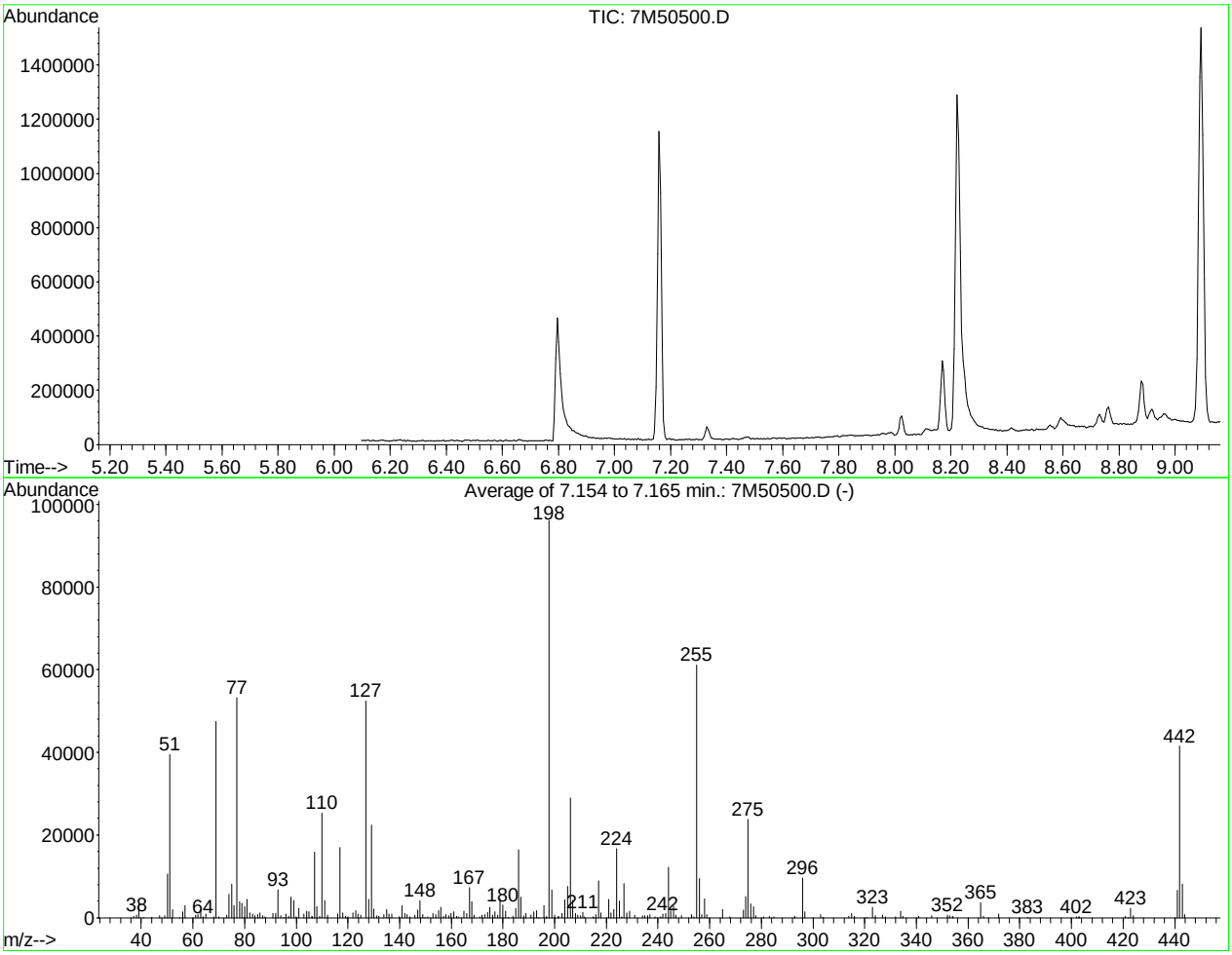
Method : C:\msdchem\1\METHODS\DFTPPQ.M
Title : DFTPP
Last Update : Mon Feb 14 14:21:44 2011



AutoFind: Scans 710, 711, 712; Background Corrected with Scan 705

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	47.4	4927	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	51.2	5320	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	56.1	5830	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	10393	PASS
199	198	5	9	6.3	659	PASS
275	198	10	30	24.9	2588	PASS
365	198	1	100	1.9	198	PASS
441	443	0.01	100	80.7	1085	PASS
442	198	40	100	70.5	7322	PASS
443	442	17	23	18.4	1344	PASS

Data File : C:\MSDCHEM\1\DATA\022111\7M50500.D Vial: 1
Acq On : 21 Feb 2011 9:29 am Operator: CAA
Sample : WG357051-01 5ppm DFTPP Inst : HPMS7
Misc : 1,1 STD41383 Multiplr: 1.00
MS Integration Params: rteint.p
Method : C:\MSDCHEM\1\METHODS\DFTPP.M (RTE Integrator)
Title : DFTPP



AutoFind: Scans 199, 200, 201; Background Corrected with Scan 194

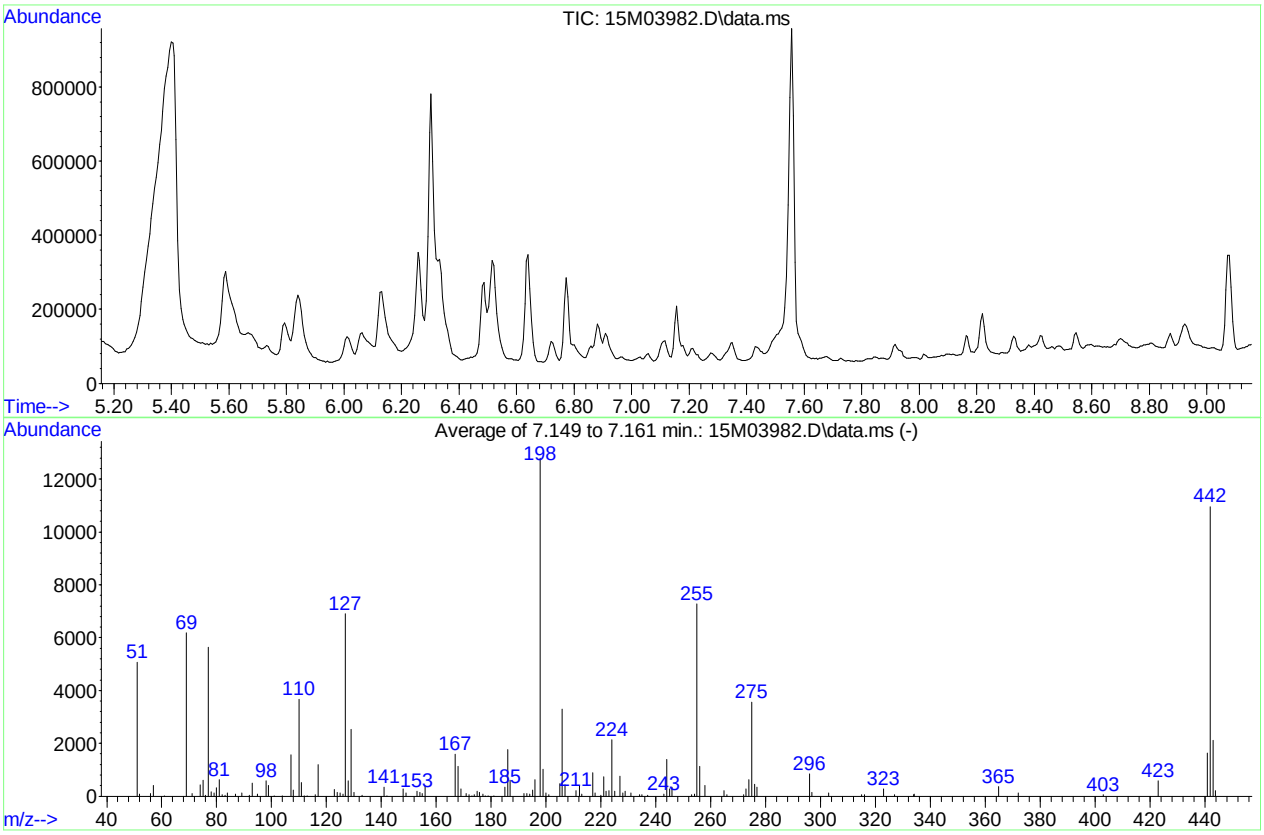
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	41.1	39537	PASS
68	69	0.00	2	0.6	266	PASS
69	198	0.00	100	49.5	47586	PASS
70	69	0.00	2	0.3	147	PASS
127	198	40	60	54.5	52368	PASS
197	198	0.00	1	0.2	188	PASS
198	198	100	100	100.0	96085	PASS
199	198	5	9	7.0	6748	PASS
275	198	10	30	24.8	23844	PASS
365	198	1	100	3.8	3654	PASS
441	443	0.01	100	81.3	6624	PASS
442	198	40	100	43.3	41581	PASS
443	442	17	23	19.6	8144	PASS

7M50500.D DFTPP.M Tue Feb 22 06:51:22 2011

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03982.D
Acq On : 22 Feb 2011 11:20 am
Operator : CAA
Sample : WG357220-01 5ppm DFTPP STD
Misc : 1,1 STD41383
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\DFTPPQ.M
Title : DFTPP
Last Update : Mon Feb 14 14:21:44 2011



AutoFind: Scans 710, 711, 712; Background Corrected with Scan 705

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.6	5073	PASS
68	69	0.00	2	0.0	0	PASS
69	198	0.00	100	48.4	6189	PASS
70	69	0.00	2	0.0	0	PASS
127	198	40	60	54.0	6913	PASS
197	198	0.00	1	0.0	0	PASS
198	198	100	100	100.0	12799	PASS
199	198	5	9	7.9	1009	PASS
275	198	10	30	27.8	3552	PASS
365	198	1	100	2.8	353	PASS
441	443	0.01	100	76.5	1623	PASS
442	198	40	100	85.7	10966	PASS
443	442	17	23	19.3	2121	PASS

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50503.D Vial: 3
Acq On : 21 Feb 2011 10:41 am Operator: CAA
Sample : WG356898-02 BLK 02/18 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:20 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

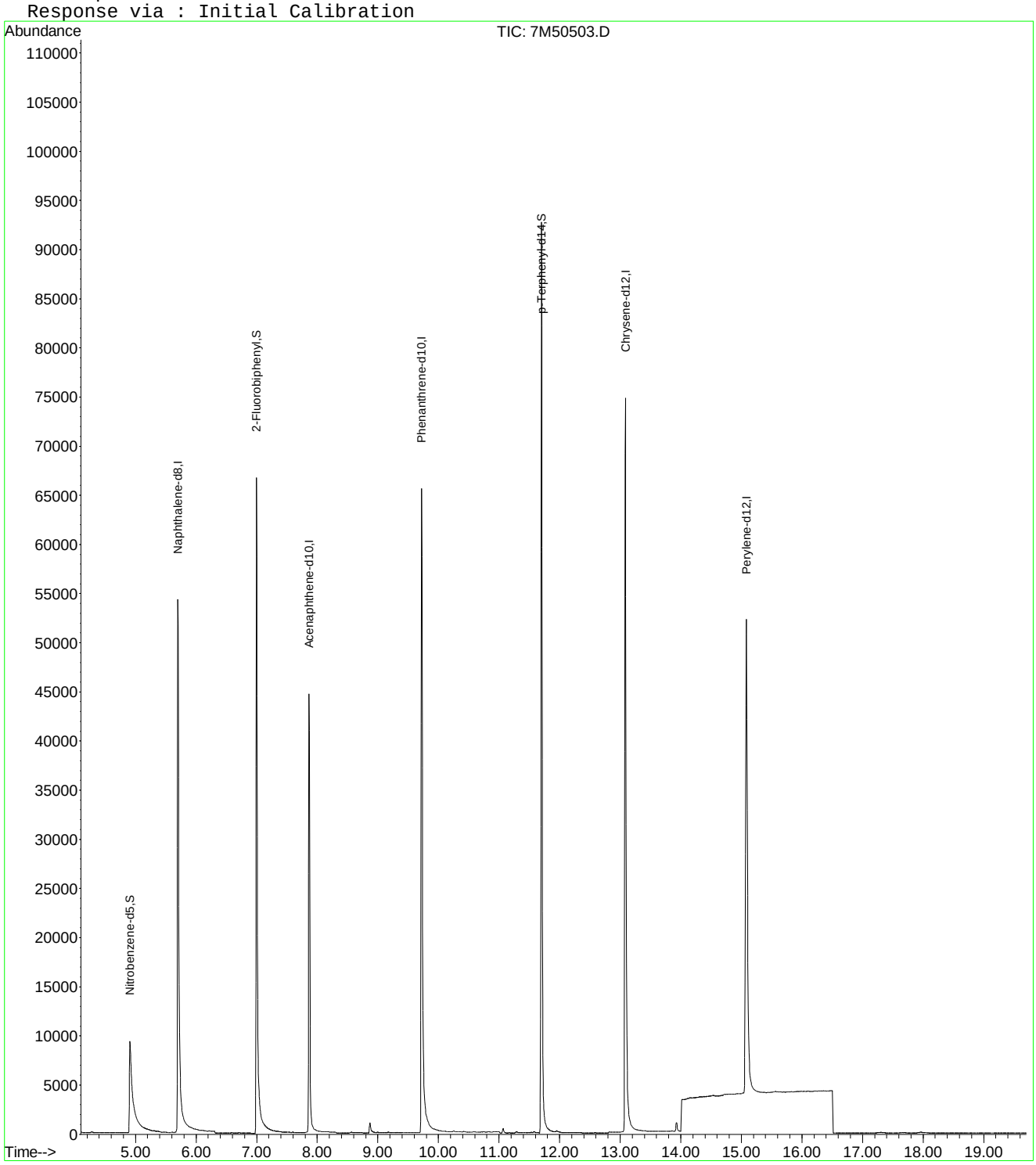
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	92580	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.86	164	63477	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	101832	1.00	ug/ml	0.01
15) Chrysene-d12	13.09	240	116650	1.00	ug/ml	0.01
20) Perylene-d12	15.08	264	109921	1.00	ug/ml	0.00
System Monitoring Compounds						
2) Nitrobenzene-d5	4.91	82	24313	0.9308	ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 37.20%			
7) 2-Fluorobiphenyl	7.00	172	74611	1.0254	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 41.20%			
17) p-Terphenyl-d14	11.70	244	110666	1.4012	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 56.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50503.D Vial: 3
Acq On : 21 Feb 2011 10:41 am Operator: CAA
Sample : WG356898-02 BLK 02/18 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: SIMPAHL.RES

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03984.D
Acq On : 22 Feb 2011 12:06 pm
Operator : CAA
Sample : WG357148-01 BLK 02/22
Misc : 1,1
ALS Vial : 3 Sample Multiplier: 1

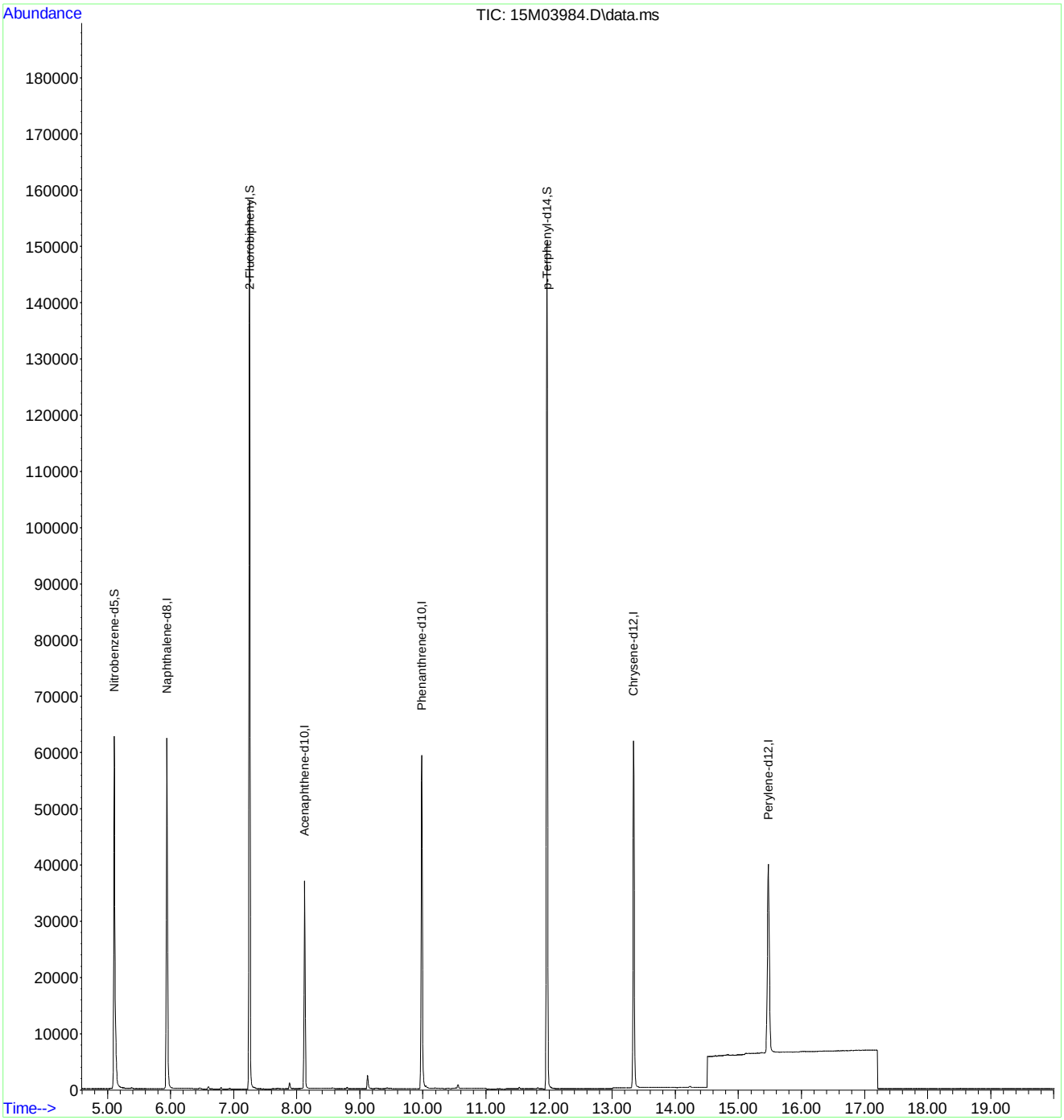
Quant Time: Feb 22 13:48:56 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.943	136	81094	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.125	164	43369	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.982	188	77323	1.00	ug/mL	0.00
15) Chrysene-d12	13.338	240	81006	1.00	ug/mL	-0.01
20) Perylene-d12	15.474	264	74410	1.00	ug/mL	-0.01
System Monitoring Compounds						
2) Nitrobenzene-d5	5.107	82	66495	2.40	ug/mL	-0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 96.00%			
7) 2-Fluorobiphenyl	7.249	172	136877	2.39	ug/mL	-0.01
Spiked Amount 2.500	Range 43 - 116		Recovery = 95.60%			
17) p-Terphenyl-d14	11.964	244	157904	2.95	ug/mL	-0.01
Spiked Amount 2.500	Range 33 - 141		Recovery = 118.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03984.D
Acq On : 22 Feb 2011 12:06 pm
Operator : CAA
Sample : WG357148-01 BLK 02/22
Misc : 1,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 22 13:48:56 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50504.D Vial: 4
Acq On : 21 Feb 2011 11:08 am Operator: CAA
Sample : WG356898-03 LCS 02/18 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 06:52:20 2011 Quant Results File: SIMPAHL.RES

Quant Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration
DataAcq Meth : PAHLSIM

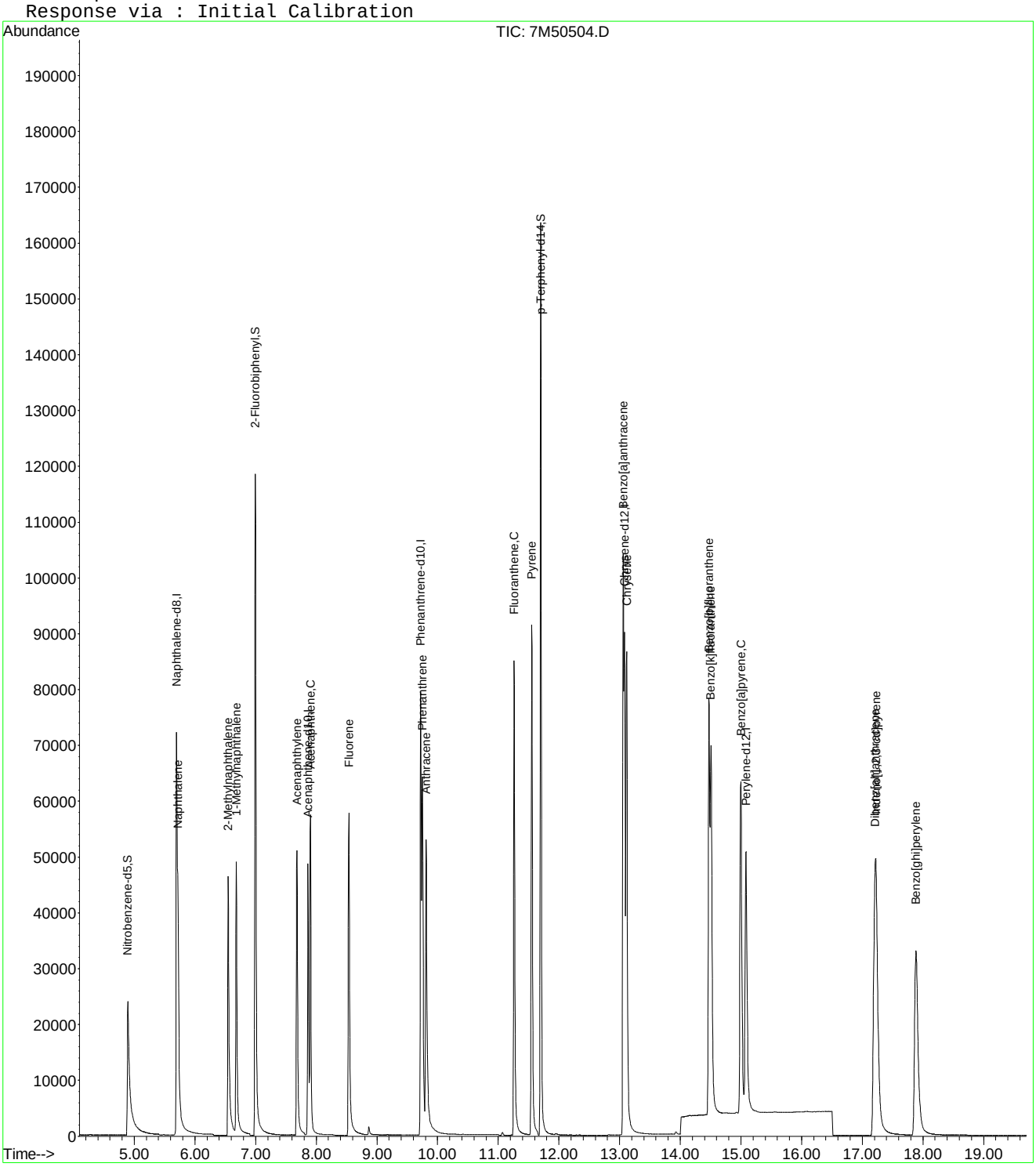
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Naphthalene-d8	5.70	136	100520	1.00	ug/ml	0.01
6) Acenaphthene-d10	7.86	164	64016	1.00	ug/ml	0.00
11) Phenanthrene-d10	9.72	188	105425	1.00	ug/ml	0.01
15) Chrysene-d12	13.08	240	115043	1.00	ug/ml	0.00
20) Perylene-d12	15.09	264	107799	1.00	ug/ml	0.01
System Monitoring Compounds						
2) Nitrobenzene-d5	4.89	82	48884	1.7237	ug/ml	0.00
Spiked Amount 2.500	Range 23 - 120		Recovery = 68.80%			
7) 2-Fluorobiphenyl	6.99	172	121958	1.6621	ug/ml	0.00
Spiked Amount 2.500	Range 30 - 115		Recovery = 66.40%			
17) p-Terphenyl-d14	11.70	244	191393	2.4572	ug/ml	0.00
Spiked Amount 2.500	Range 18 - 137		Recovery = 98.40%			
Target Compounds						Qvalue
3) Naphthalene	5.72	128	57989	0.6107	ug/ml	100
4) 2-Methylnaphthalene	6.55	142	40457	0.6610	ug/ml	100
5) 1-Methylnaphthalene	6.68	142	38285	0.6219	ug/ml	99
8) Acenaphthylene	7.68	152	60865	0.5243	ug/ml	100
9) Acenaphthene	7.91	154	38622	0.5878	ug/ml	99
10) Fluorene	8.54	166	45926	0.6053	ug/ml	100
12) Phenanthrene	9.75	178	75851	0.7405	ug/ml	100
13) Anthracene	9.81	178	71019	0.7969	ug/ml	99
14) Fluoranthene	11.26	202	104618	0.8859	ug/ml	100
16) Pyrene	11.55	202	119815	0.8416	ug/ml	99
18) Benzo[a]anthracene	13.06	228	104494	0.8628	ug/ml	97
19) Chrysene	13.12	228	107210	0.8648	ug/ml	100
21) Benzo[b]fluoranthene	14.47	252	108356	0.9520	ug/ml	90
22) Benzo[k]fluoranthene	14.50	252	107794m	0.8069	ug/ml	
23) Benzo[a]pyrene	15.00	252	108510	0.9245	ug/ml	100
24) Indeno[1,2,3-cd]pyrene	17.23	276	131554	0.9105	ug/ml	100
25) Dibenz[ah]anthracene	17.20	278	109557	0.9074	ug/ml	100
26) Benzo[ghi]perylene	17.88	276	108548	0.8829	ug/ml	98

(#) = qualifier out of range (m) = manual integration
7M50504.D SIMPAHL.M Tue Feb 22 06:57:48 2011 Page 1

Quantitation Report (QT Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\7M50504.D Vial: 4
Acq On : 21 Feb 2011 11:08 am Operator: CAA
Sample : WG356898-03 LCS 02/18 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: SIMPAHL.RES

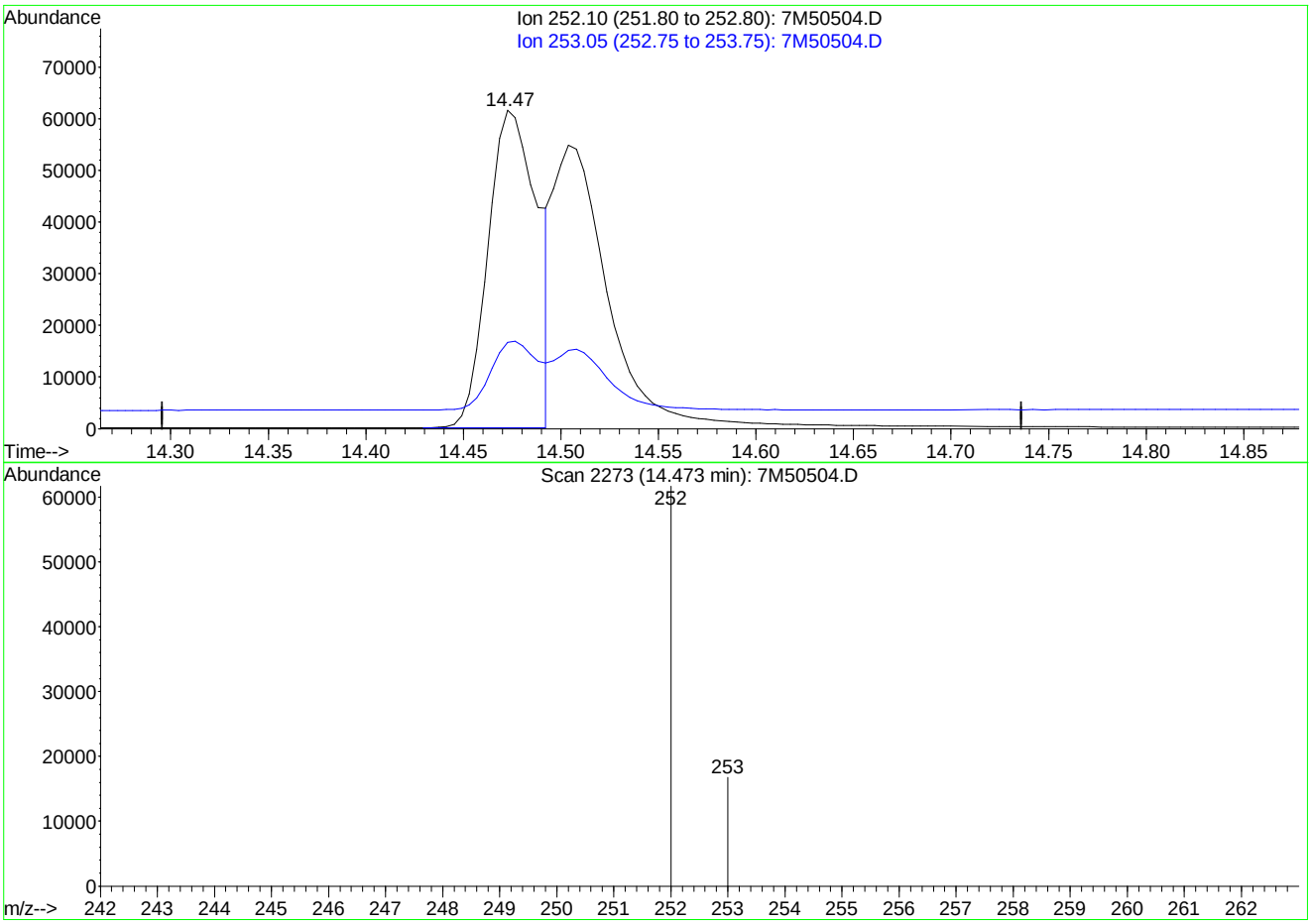
Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Initial Calibration



Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50504.D Vial: 4
Acq On : 21 Feb 2011 11:08 am Operator: CAA
Sample : WG356898-03 LCS 02/18 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:52 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50504.D

(22) Benzo[k]fluoranthene

14.47min 0.81ug/ml

response 108356

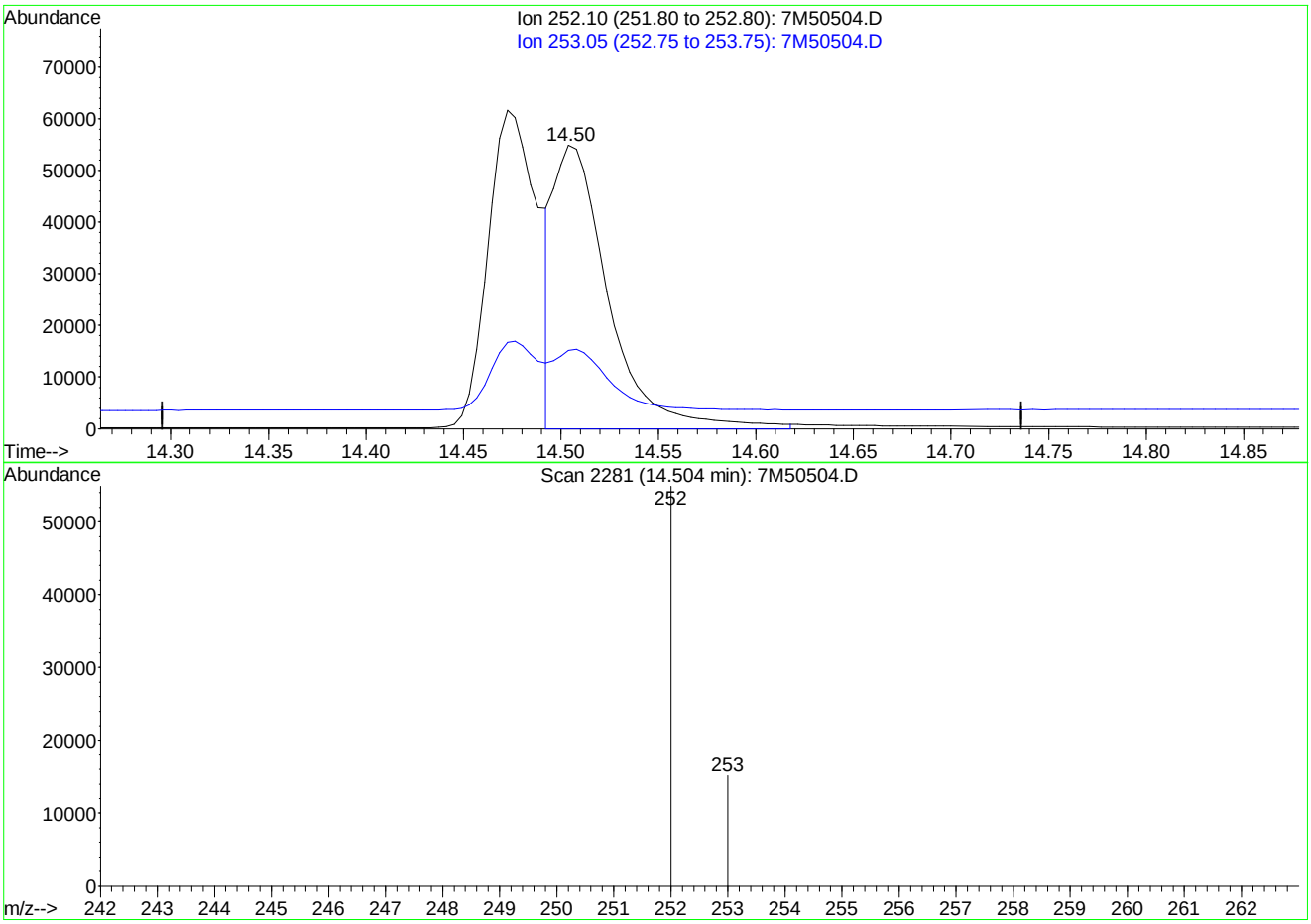
Ion	Exp%	Act%
252.10	100	100
253.05	26.00	20.77
0.00	0.00	0.00
0.00	0.00	0.00

7M50504.D SIMPAHL.M Tue Feb 22 06:54:02 2011

Quantitation Report (Qedit)

Data File : C:\MSDCHEM\1\DATA\022111\7M50504.D Vial: 4
Acq On : 21 Feb 2011 11:08 am Operator: CAA
Sample : WG356898-03 LCS 02/18 Inst : HPMS7
Misc : 7,1 SOIL Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 22 6:54 2011 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\SIMPAHL.M (RTE Integrator)
Title : OVD MSS03 SIMPAHL ICAL 02/11/11
Last Update : Tue Feb 22 06:51:58 2011
Response via : Multiple Level Calibration



TIC: 7M50504.D

(22) Benzo[k]fluoranthene

14.50min 0.81ug/ml mint

response 107794

Ion	Exp%	Act%
252.10	100	100
253.05	26.00	20.88
0.00	0.00	0.00
0.00	0.00	0.00

7M50504.D SIMPAHL.M Tue Feb 22 06:54:07 2011

Analyst: 02/22/2011 07:36 Supervisor: 02/22/2011 15:12

#3 - Improperly integrated isomers and/or coeluting compounds

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03985.D
Acq On : 22 Feb 2011 12:34 pm
Operator : CAA
Sample : WG357148-02 LCS 02/22
Misc : 1,1
ALS Vial : 4 Sample Multiplier: 1

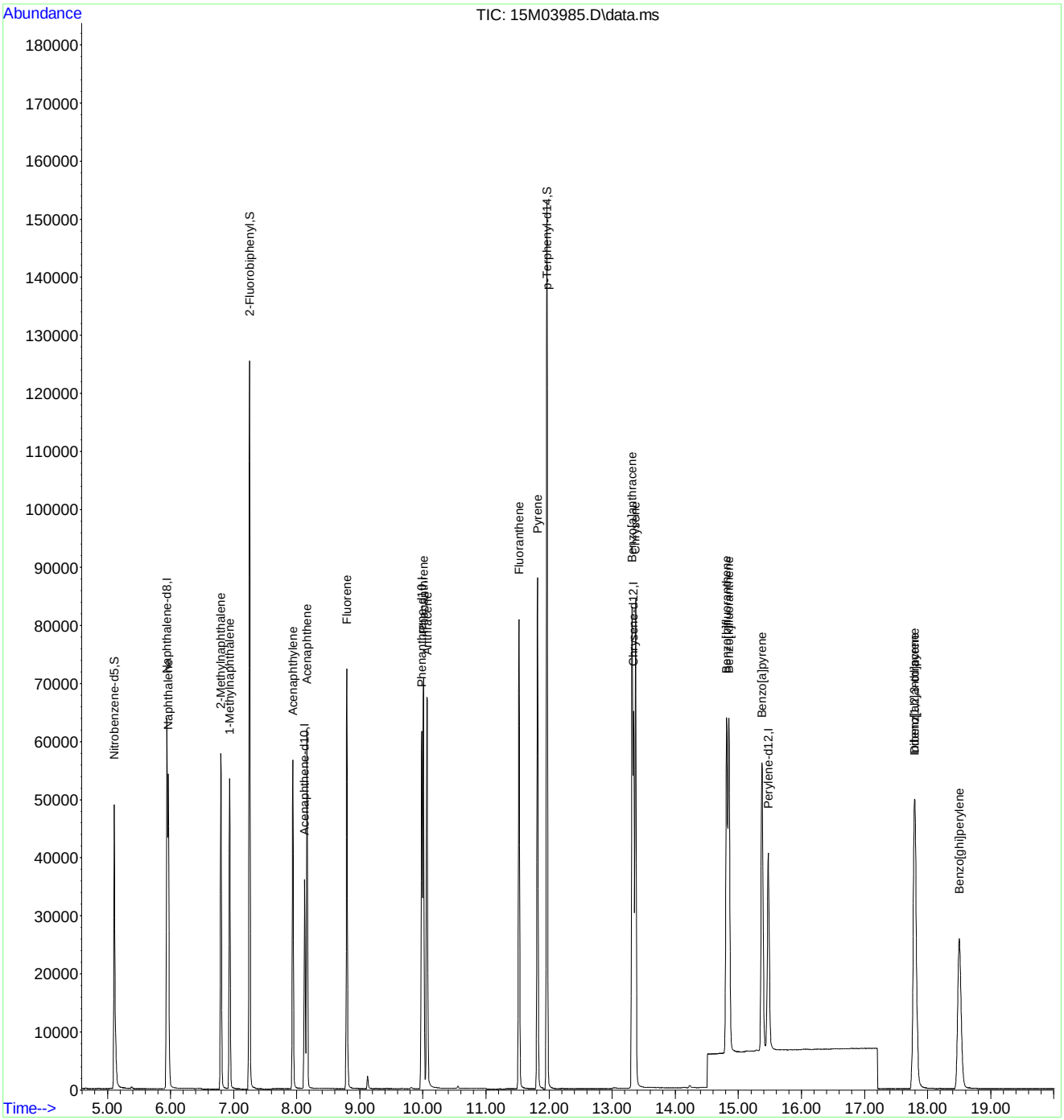
Quant Time: Feb 22 13:48:58 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.943	136	80327	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.125	164	43847	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.982	188	77630	1.00	ug/mL	0.00
15) Chrysene-d12	13.338	240	81906	1.00	ug/mL	-0.01
20) Perylene-d12	15.474	264	74803	1.00	ug/mL	-0.01
System Monitoring Compounds						
2) Nitrobenzene-d5	5.107	82	52114	1.90	ug/mL	-0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 76.00%			
7) 2-Fluorobiphenyl	7.249	172	111282	1.92	ug/mL	-0.01
Spiked Amount 2.500	Range 43 - 116		Recovery = 76.80%			
17) p-Terphenyl-d14	11.964	244	158691	2.94	ug/mL	-0.01
Spiked Amount 2.500	Range 33 - 141		Recovery = 117.60%			
Target Compounds						Qvalue
3) Naphthalene	5.964	128	56594	0.6929	ug/mL	100
4) 2-Methylnaphthalene	6.797	142	38166	0.6954	ug/mL	100
5) 1-Methylnaphthalene	6.936	142	35140	0.6414	ug/mL	97
8) Acenaphthylene	7.938	152	59479	0.7538	ug/mL	98
9) Acenaphthene	8.163	154	37376	0.7372	ug/mL	98
10) Fluorene	8.794	166	46424	0.7624	ug/mL	100
12) Phenanthrene	10.009	178	76866	0.8814	ug/mL	100
13) Anthracene	10.068	178	76940	0.9721	ug/mL	99
14) Fluoranthene	11.522	202	89563	0.9891	ug/mL	100
16) Pyrene	11.816	202	96165	1.0193	ug/mL	99
18) Benzo[a]anthracene	13.317	228	84361	1.0245	ug/mL	100
19) Chrysene	13.370	228	86675	1.0541	ug/mL	100
21) Benzo[b]fluoranthene	14.813	252	90355	1.0534	ug/mL	100
22) Benzo[k]fluoranthene	14.850	252	84555	1.0574	ug/mL	100
23) Benzo[a]pyrene	15.372	252	87670	1.0901	ug/mL	98
24) Indeno[1,2,3-cd]pyrene	17.796	276	98310	1.0092	ug/mL#	100
25) Dibenz[ah]anthracene	17.792	278	77408	0.9773	ug/mL#	100
26) Benzo[ghi]perylene	18.502	276	80459	0.9887	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03985.D
Acq On : 22 Feb 2011 12:34 pm
Operator : CAA
Sample : WG357148-02 LCS 02/22
Misc : 1,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 22 13:48:58 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03986.D
Acq On : 22 Feb 2011 1:02 pm
Operator : CAA
Sample : WG357148-03 LCS DUP 02/22
Misc : 1,1
ALS Vial : 5 Sample Multiplier: 1

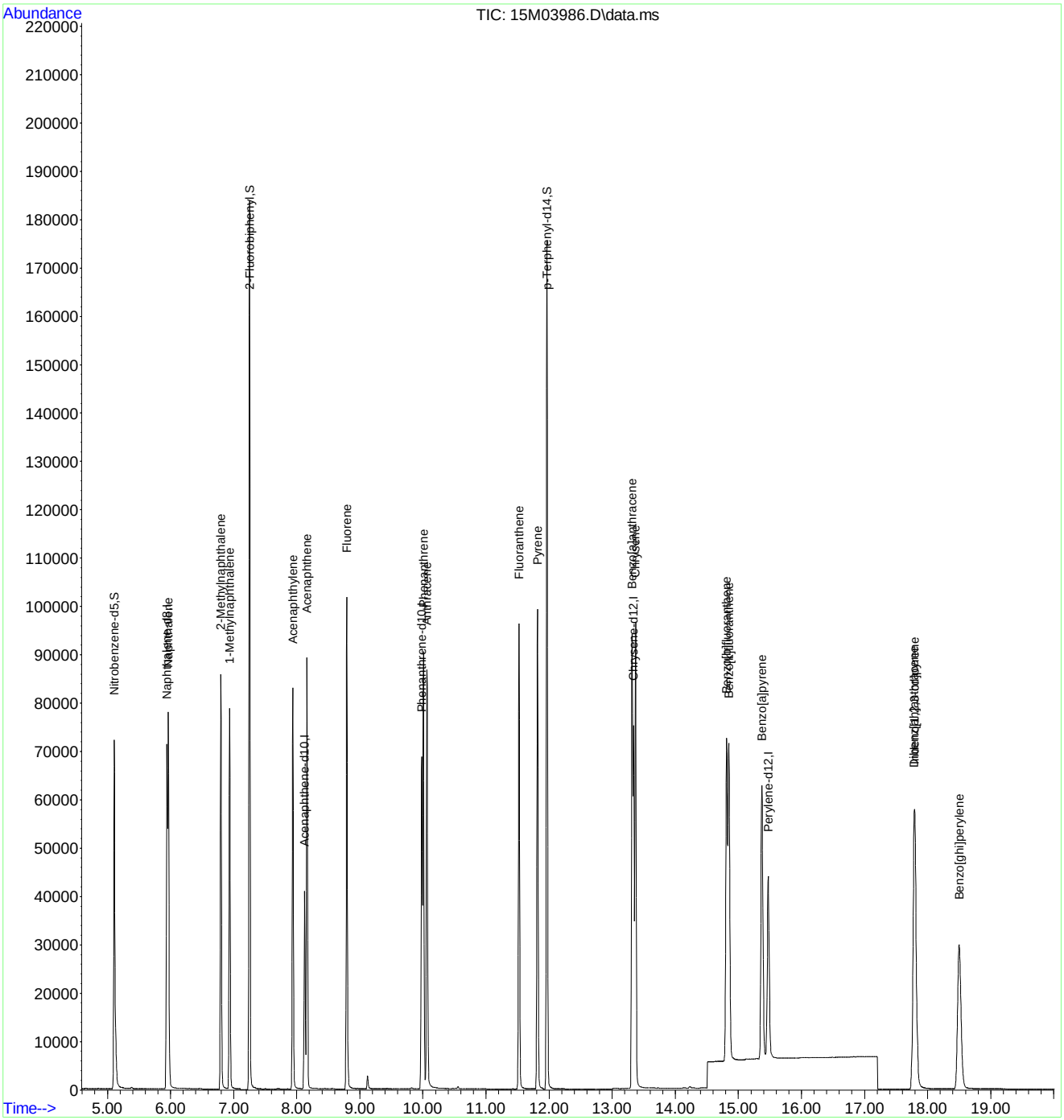
Quant Time: Feb 22 13:49:00 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Naphthalene-d8	5.943	136	89115	1.00	ug/mL	0.00
6) Acenaphthene-d10	8.125	164	48648	1.00	ug/mL	0.00
11) Phenanthrene-d10	9.982	188	85740	1.00	ug/mL	0.00
15) Chrysene-d12	13.338	240	90835	1.00	ug/mL	-0.01
20) Perylene-d12	15.474	264	82230	1.00	ug/mL	-0.01
System Monitoring Compounds						
2) Nitrobenzene-d5	5.107	82	76046	2.50	ug/mL	-0.03
Spiked Amount 2.500	Range 35 - 114		Recovery = 100.00%			
7) 2-Fluorobiphenyl	7.249	172	160616	2.50	ug/mL	-0.01
Spiked Amount 2.500	Range 43 - 116		Recovery = 100.00%			
17) p-Terphenyl-d14	11.964	244	182989	3.05	ug/mL	-0.01
Spiked Amount 2.500	Range 33 - 141		Recovery = 122.00%			
Target Compounds						Qvalue
3) Naphthalene	5.964	128	82870	0.9146	ug/mL	100
4) 2-Methylnaphthalene	6.797	142	55512	0.9117	ug/mL	100
5) 1-Methylnaphthalene	6.936	142	52247	0.8596	ug/mL	98
8) Acenaphthylene	7.938	152	85381	0.9752	ug/mL	98
9) Acenaphthene	8.163	154	53293	0.9474	ug/mL	98
10) Fluorene	8.794	166	64564	0.9557	ug/mL	100
12) Phenanthrene	10.009	178	95688	0.9935	ug/mL	100
13) Anthracene	10.063	178	96517	1.1041	ug/mL	99
14) Fluoranthene	11.522	202	105036	1.0502	ug/mL	100
16) Pyrene	11.816	202	111722	1.0677	ug/mL	99
18) Benzo[a]anthracene	13.317	228	97075	1.0630	ug/mL	100
19) Chrysene	13.370	228	99544	1.0916	ug/mL	100
21) Benzo[b]fluoranthene	14.813	252	105105	1.1147	ug/mL	100
22) Benzo[k]fluoranthene	14.846	252	96763	1.1007	ug/mL	100
23) Benzo[a]pyrene	15.372	252	101469	1.1478	ug/mL	99
24) Indeno[1,2,3-cd]pyrene	17.792	276	113401	1.0590	ug/mL#	100
25) Dibenz[ah]anthracene	17.788	278	90116	1.0349	ug/mL#	100
26) Benzo[ghi]perylene	18.499	276	93537	1.0456	ug/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\msdchem\1\DATA\022211\
Data File : 15M03986.D
Acq On : 22 Feb 2011 1:02 pm
Operator : CAA
Sample : WG357148-03 LCS DUP 02/22
Misc : 1,1
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 22 13:49:00 2011
Quant Method : C:\msdchem\1\METHODS\PAHQUANT.M
Quant Title : OVD MSS03 PAHSIM/ICAL 02/15/11
QLast Update : Tue Feb 22 13:48:44 2011
Response via : Initial Calibration



2.1.2 Pesticide GC Data (8081)

2.1.2.1 Summary Data

Microbac Laboratories Inc.
GC PESTICIDES

Microbac Login No: L11020447

METHOD

Preparation: SW- 846 3550B(Soils)/3510C(Waters)/3580A (Waste dilution)

Analysis: SW-846 8081

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Labortory Control Sample: The LCS WG356900-03 and WG356900-04 yielded % recoveries for the surrogate 2,4,5,6-tetrachloro-m-xylene that were below the acceptance limit. All other acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Surrogates: Samples 01REF, 03MS, and 04MSD yielded % recoveries for 2,4,5,6-tetrachloro-m-xylene that were below the acceptance limit. Samples 02, 06, and 07 yielded % recoveries for both surrogates that were below the acceptance limits. All other acceptance criteria were met.

Endrin/DDT Breakdown: All acceptance criteria were met.

Samples: Samples with low surrogate recoveries were not re-extracted at the clients request. For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

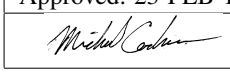
Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 23-FEB-11



LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	8081A	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	8081A	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	8081A	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	8081A	1	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	8081A	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	8081A	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	8081A	1	17-FEB-11

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-01	PrePrep Method:	NONE	Instrument:	HP15
Client ID:	SITE #1-TPS-2-16-11-COMP	Prep Method:	3550B	Prep Date:	02/18/2011 09:36
Matrix:	Soil	Analytical Method:	8081A	Cal Date:	02/18/2011 23:19
Workgroup Number:	WG357023	Analyst:	ECL	Run Date:	02/22/2011 16:47
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	15G25181.F
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	1.91	0.382
4,4'-DDE	72-55-9		U	1.91	0.382
4,4'-DDT	50-29-3		U	1.91	0.382
Aldrin	309-00-2		U	1.91	0.382
alpha Chlordane	5103-71-9		U	1.91	0.382
alpha-BHC	319-84-6		U	1.91	0.382
beta-BHC	319-85-7		U	1.91	0.382
delta-BHC	319-86-8		U	1.91	0.382
Endosulfan I	959-98-8		U	1.91	0.382
Endosulfan II	33213-65-9		U	1.91	0.382
Endosulfan sulfate	1031-07-8		U	1.91	0.382
Endrin	72-20-8		U	1.91	0.382
Endrin aldehyde	7421-93-4		U	1.91	0.382
Endrin ketone	53494-70-5		U	1.91	0.382
gamma Chlordane	5103-74-2		U	1.91	0.382
gamma-BHC (Lindane)	58-89-9		U	1.91	0.382
Heptachlor	76-44-8		U	1.91	0.382
Heptachlor epoxide	1024-57-3		U	1.91	0.382
Methoxychlor	72-43-5		U	1.91	0.382
Toxaphene	8001-35-2		U	38.2	19.3

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	61.4	70	125	*
Decachlorobiphenyl	56.2	55	130	

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-02	PrePrep Method:	NONE	Instrument:	HP15
Client ID:	SITE #1-2-16-11-DUP	Prep Method:	3550B	Prep Date:	02/18/2011 09:36
Matrix:	Soil	Analytical Method:	8081A	Cal Date:	02/18/2011 23:19
Workgroup Number:	WG357023	Analyst:	ECL	Run Date:	02/22/2011 18:12
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	15G25184.F
Sample Tag:	01	Units:	ug/kg	Percent Solid:	85.5

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	1.91	0.381
4,4'-DDE	72-55-9		U	1.91	0.381
4,4'-DDT	50-29-3		U	1.91	0.381
Aldrin	309-00-2		U	1.91	0.381
alpha Chlordane	5103-71-9		U	1.91	0.381
alpha-BHC	319-84-6		U	1.91	0.381
beta-BHC	319-85-7		U	1.91	0.381
delta-BHC	319-86-8		U	1.91	0.381
Dieldrin	60-57-1		U	1.91	0.381
Endosulfan I	959-98-8		U	1.91	0.381
Endosulfan II	33213-65-9		U	1.91	0.381
Endosulfan sulfate	1031-07-8		U	1.91	0.381
Endrin	72-20-8		U	1.91	0.381
Endrin aldehyde	7421-93-4		U	1.91	0.381
Endrin ketone	53494-70-5		U	1.91	0.381
gamma Chlordane	5103-74-2		U	1.91	0.381
gamma-BHC (Lindane)	58-89-9		U	1.91	0.381
Heptachlor	76-44-8		U	1.91	0.381
Heptachlor epoxide	1024-57-3		U	1.91	0.381
Methoxychlor	72-43-5		U	1.91	0.381
Toxaphene	8001-35-2		U	38.1	19.3

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	56.9	70	125	*
Decachlorobiphenyl	49.6	55	130	*

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-03	PrePrep Method:	NONE	Instrument:	HP15
Client ID:	SITE #1-2-16-11-MS	Prep Method:	3550B	Prep Date:	02/18/2011 09:36
Matrix:	Soil	Analytical Method:	8081A	Cal Date:	02/18/2011 23:19
Workgroup Number:	WG357023	Analyst:	ECL	Run Date:	02/22/2011 17:16
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	15G25182.F
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8	16.1		1.96	0.392
4,4'-DDE	72-55-9	16.5		1.96	0.392
4,4'-DDT	50-29-3	16.7		1.96	0.392
Aldrin	309-00-2	15.2		1.96	0.392
alpha Chlordane	5103-71-9	15.4		1.96	0.392
alpha-BHC	319-84-6	16.6		1.96	0.392
beta-BHC	319-85-7	16.0		1.96	0.392
delta-BHC	319-86-8	16.7		1.96	0.392
Dieldrin	60-57-1	16.4		1.96	0.392
Endosulfan I	959-98-8	13.1		1.96	0.392
Endosulfan II	33213-65-9	13.7		1.96	0.392
Endosulfan sulfate	1031-07-8	17.8		1.96	0.392
Endrin	72-20-8	17.3		1.96	0.392
Endrin aldehyde	7421-93-4	13.4		1.96	0.392
Endrin ketone	53494-70-5	16.5		1.96	0.392
gamma Chlordane	5103-74-2	15.7		1.96	0.392
gamma-BHC (Lindane)	58-89-9	16.7		1.96	0.392
Heptachlor	76-44-8	14.5		1.96	0.392
Heptachlor epoxide	1024-57-3	13.3		1.96	0.392
Methoxychlor	72-43-5	16.6		1.96	0.392
Toxaphene	8001-35-2		U	39.2	19.8

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	67.2	70	125	*
Decachlorobiphenyl	66.1	55	130	

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	HP15
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	3550B	Prep Date:	02/18/2011 09:36
Matrix:	Soil	Analytical Method:	8081A	Cal Date:	02/18/2011 23:19
Workgroup Number:	WG357023	Analyst:	ECL	Run Date:	02/22/2011 17:44
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	15G25183.F
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8	16.4		1.93	0.387
4,4'-DDE	72-55-9	16.9		1.93	0.387
4,4'-DDT	50-29-3	17.1		1.93	0.387
Aldrin	309-00-2	15.5		1.93	0.387
alpha Chlordane	5103-71-9	15.7		1.93	0.387
alpha-BHC	319-84-6	16.4		1.93	0.387
beta-BHC	319-85-7	16.0		1.93	0.387
delta-BHC	319-86-8	16.6		1.93	0.387
Dieldrin	60-57-1	17.1		1.93	0.387
Endosulfan I	959-98-8	13.1		1.93	0.387
Endosulfan II	33213-65-9	13.7		1.93	0.387
Endosulfan sulfate	1031-07-8	17.5		1.93	0.387
Endrin	72-20-8	17.2		1.93	0.387
Endrin aldehyde	7421-93-4	13.3		1.93	0.387
Endrin ketone	53494-70-5	16.3		1.93	0.387
gamma Chlordane	5103-74-2	15.7		1.93	0.387
gamma-BHC (Lindane)	58-89-9	16.5		1.93	0.387
Heptachlor	76-44-8	15.2		1.93	0.387
Heptachlor epoxide	1024-57-3	14.2		1.93	0.387
Methoxychlor	72-43-5	17.0		1.93	0.387
Toxaphene	8001-35-2		U	38.7	19.6

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	64.0	70	125	*
Decachlorobiphenyl	63.1	55	130	

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357013**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/L**

Instrument: **HP15**
Prep Date: **02/18/2011 09:00**
Cal Date: **02/18/2011 23:19**
Run Date: **02/19/2011 15:38**
File ID: **15G25086.F**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	0.0562	0.0112
4,4'-DDE	72-55-9		U	0.0562	0.0112
4,4'-DDT	50-29-3		U	0.0562	0.0112
Aldrin	309-00-2		U	0.0562	0.0112
alpha Chlordane	5103-71-9		U	0.0562	0.0112
alpha-BHC	319-84-6		U	0.0562	0.0112
beta-BHC	319-85-7		U	0.0562	0.0112
delta-BHC	319-86-8		U	0.0562	0.0112
Dieldrin	60-57-1		U	0.0562	0.0112
Endosulfan I	959-98-8		U	0.0562	0.0112
Endosulfan II	33213-65-9		U	0.0562	0.0112
Endosulfan sulfate	1031-07-8		U	0.0562	0.0112
Endrin	72-20-8		U	0.0562	0.0112
Endrin aldehyde	7421-93-4		U	0.0562	0.0112
Endrin ketone	53494-70-5		U	0.0562	0.0112
gamma Chlordane	5103-74-2		U	0.0562	0.0112
gamma-BHC (Lindane)	58-89-9		U	0.0562	0.0112
Heptachlor	76-44-8		U	0.0562	0.0112
Heptachlor epoxide	1024-57-3		U	0.0562	0.0112
Methoxychlor	72-43-5		U	0.0562	0.0112
Toxaphene	8001-35-2		U	1.12	0.337

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	74.6	25	140	
Decachlorobiphenyl	61.3	30	135	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-06	PrePrep Method:	NONE	Instrument:	HP15
Client ID:	SITE #1-2-16-11-CLAY-C	Prep Method:	3550B	Prep Date:	02/18/2011 09:36
Matrix:	Soil	Analytical Method:	8081A	Cal Date:	02/18/2011 23:19
Workgroup Number:	WG357023	Analyst:	ECL	Run Date:	02/22/2011 18:41
Collect Date:	02/16/2011 12:40	Dilution:	1	File ID:	15G25185.F
Sample Tag:	01	Units:	ug/kg	Percent Solid:	81.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	2.02	0.404
4,4'-DDE	72-55-9		U	2.02	0.404
4,4'-DDT	50-29-3		U	2.02	0.404
Aldrin	309-00-2		U	2.02	0.404
alpha Chlordane	5103-71-9		U	2.02	0.404
alpha-BHC	319-84-6		U	2.02	0.404
beta-BHC	319-85-7		U	2.02	0.404
delta-BHC	319-86-8		U	2.02	0.404
Dieldrin	60-57-1		U	2.02	0.404
Endosulfan I	959-98-8		U	2.02	0.404
Endosulfan II	33213-65-9		U	2.02	0.404
Endosulfan sulfate	1031-07-8		U	2.02	0.404
Endrin	72-20-8		U	2.02	0.404
Endrin aldehyde	7421-93-4		U	2.02	0.404
Endrin ketone	53494-70-5		U	2.02	0.404
gamma Chlordane	5103-74-2		U	2.02	0.404
gamma-BHC (Lindane)	58-89-9		U	2.02	0.404
Heptachlor	76-44-8		U	2.02	0.404
Heptachlor epoxide	1024-57-3		U	2.02	0.404
Methoxychlor	72-43-5		U	2.02	0.404
Toxaphene	8001-35-2		U	40.4	20.4

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	56.5	70	125	*
Decachlorobiphenyl	54.7	55	130	*

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-07	PrePrep Method:	NONE	Instrument:	HP15
Client ID:	SITE #1-2-16-11-CLAY-C-2	Prep Method:	3550B	Prep Date:	02/18/2011 09:36
Matrix:	Soil	Analytical Method:	8081A	Cal Date:	02/18/2011 23:19
Workgroup Number:	WG357023	Analyst:	ECL	Run Date:	02/22/2011 19:09
Collect Date:	02/16/2011 12:45	Dilution:	1	File ID:	15G25186.F
Sample Tag:	01	Units:	ug/kg	Percent Solid:	78.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
4,4'-DDD	72-54-8		U	2.06	0.411
4,4'-DDE	72-55-9		U	2.06	0.411
4,4'-DDT	50-29-3		U	2.06	0.411
Aldrin	309-00-2		U	2.06	0.411
alpha Chlordane	5103-71-9		U	2.06	0.411
alpha-BHC	319-84-6		U	2.06	0.411
beta-BHC	319-85-7		U	2.06	0.411
delta-BHC	319-86-8		U	2.06	0.411
Dieldrin	60-57-1		U	2.06	0.411
Endosulfan I	959-98-8		U	2.06	0.411
Endosulfan II	33213-65-9		U	2.06	0.411
Endosulfan sulfate	1031-07-8		U	2.06	0.411
Endrin	72-20-8		U	2.06	0.411
Endrin aldehyde	7421-93-4		U	2.06	0.411
Endrin ketone	53494-70-5		U	2.06	0.411
gamma Chlordane	5103-74-2		U	2.06	0.411
gamma-BHC (Lindane)	58-89-9		U	2.06	0.411
Heptachlor	76-44-8		U	2.06	0.411
Heptachlor epoxide	1024-57-3		U	2.06	0.411
Methoxychlor	72-43-5		U	2.06	0.411
Toxaphene	8001-35-2		U	41.1	20.8

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	54.9	70	125	*
Decachlorobiphenyl	54.6	55	130	*

* Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

2.1.2.2 QC Summary Data

Example 8081 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{As}{Cs}$$

where:	Example:
A_s = Area of the compound being measured in the standard	10000
C_s = Concentration of the compound being measured (ng/mL)	100
	RF = 100

2.0 Calculating the concentration (C) of a compound in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Vi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Vi = Initial volume of sample (mL). (prep log)	1000
	C(ug/L) = 0.1

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Wi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Wi = Initial weight of sample (g).	30
	C(ug/kg) = 3.333333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

Microbac Laboratories Inc.
Sample Extract Log

Workgroup: WG356905
Analyst: RAH
Spike Analyst: RAH
Method: 3510C
Run Date: 02/18/2011 09:00
SOP: EXP01 Revison 13
Spike Witness: CPD
Surr Solution: STD43926

Methylene Chloride Lot #: COA15249
Hexane Lot #: COA15073
Sodium Sulfate,Anhydrous,Granular (Lot #: COA14988
Florisil Disposable Column Lot #: COA15102
94:6 Hexane:Ether Lot #: RGT15669
50:50 Hexane:Ether Lot #: RGT15509

	SAMPLE #	Type	Reference	pH	Prod	Init Amnt	Surr Amnt	Spike Amnt	Spike Sol	Final Vol	Color
1	L11020354-01	SAMP		N	8081-TC	100 mL	.2 mL			10 mL	Transparent
2	L11020354-02	SAMP		N	8081-TC	100 mL	.2 mL			10 mL	Transparent
3	L11020378-01	SAMP		N	8081-TC	100 mL	.2 mL			10 mL	Transparent
4	L11020434-01	SAMP		N	8081	1000 mL	.2 mL			10 mL	Transparent
5	L11020447-05	SAMP		N	8081	890 mL	.2 mL			10 mL	Transparent
6	WG356905-01	BLANK		N	8081	1000 mL	.2 mL			10 mL	Transparent
7	WG356905-02	LCS		N	8081	1000 mL	.2 mL	.25 mL	STD42746	10 mL	Transparent
8	WG356905-03	LCS2		N	8081	1000 mL	.2 mL	.25 mL	STD42746	10 mL	Transparent
9	WG356905-04	LCS_TOX		N	8081	1000 mL	.2 mL	.1 mL	STD43919	10 mL	Transparent
10	WG356906-01	FBLK		N	8081-TC	100 mL	.2 mL			10 mL	Transparent

Due to insufficient sample volume, this preparation batch failed to include the method prescribed MS and MSD.

L11020354-01	TC EXTRACT FROM ANOTHER LAB
L11020354-02	TC EXTRACT FROM ANOTHER LAB

Clean-ups	
Florisil	3620B

Analyst: [signature]

Reviewer: Cheryl A. Flowers

EXTRACT - Modified 10/22/2008
PDF ID: 1923571
Report generated: 02/18/2011 14:30

Microbac Laboratories Inc.
Sample Extract Log

Workgroup: WG356900
Analyst: CAF
Spike Analyst: CAF
Method: 3550B
Run Date: 02/18/2011 09:36
SOP: EXP02 Revison 15
Spike Witness: CPD
Surr Solution: STD43926

Hexane Lot #: COA15073
Purified Lab Sand Lot #: COA14882
Na2SO4, Anhydrous,Powder Lot #: COA14768
Sodium Sulfate,Anhydrous,Granular (Lot #: COA14988
Florisil Disposable Column Lot #: COA15102
94:6 Hexane:Ether Lot #: RGT15669
50:50 Hexane:Ether Lot #: RGT15509

	SAMPLE #	Type	Reference	pH	Prod	Init Amnt	Surr Amnt	Spike Amnt	Spike Sol	Final Vol	Color
1	L11020447-01	RS01			8081	30.82 g	.2 mL			10 mL	Transparent
2	L11020447-02	SAMP			8081	30.35 g	.2 mL			10 mL	Transparent
3	L11020447-03	MS01	L11020447-01		8081	30.06 g	.2 mL	.25 mL	STD42746	10 mL	Transparent
4	L11020447-04	SD01	L11020447-01		8081	30.46 g	.2 mL	.25 mL	STD42746	10 mL	Transparent
5	L11020447-06	SAMP			8081	30.02 g	.2 mL			10 mL	Transparent
6	L11020447-07	SAMP			8081	30.5 g	.2 mL			10 mL	Transparent
7	WG356900-01	REF	L11020447-01		8081	30.82 g	.2 mL			10 mL	Transparent
8	WG356900-02	BLANK			8081	30 g	.2 mL			10 mL	Transparent
9	WG356900-03	LCS			8081	30 g	.2 mL	.25 mL	STD42746	10 mL	Transparent
10	WG356900-04	LCS_TOX			8081	30 g	.2 mL	.1 mL	STD43919	10 mL	Transparent
11	WG356900-05	MS	L11020447-01		8081	30.06 g	.2 mL	.25 mL	STD42746	10 mL	Transparent
12	WG356900-06	MSD	L11020447-01		8081	30.46 g	.2 mL	.25 mL	STD42746	10 mL	Transparent

Clean-ups	
Florisil	3620B

Analyst: Cheryl A. Flowers

Reviewer:

EXTRACT - Modified 10/22/2008
PDF ID: 1923887
Report generated: 02/18/2011 16:20

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021811
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926 Calibration STD:

Comments: All samples from file 15G25068 to the end need rerun. The syringe bent and didn't inject.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	15G25040.F	WG357038-01 ENDRIN/DDT	1	1	STD39983	02/18/11 14:48
2	15G25040.R	WG357038-01 ENDRIN/DDT	1	1	STD39983	02/18/11 15:16
3	15G25041.F	PEST CCV 20 PPB	1	1	STD43387	02/18/11 15:16
4	15G25041.R	PEST CCV 20 PPB	1	1	STD43387	02/18/11 15:45
5	15G25042.F	WG357035-01 TOX ICAL 2000 PPB	1	1	STD43915	02/18/11 17:39
6	15G25042.R	WG357035-01 TOX ICAL 2000 PPB	1	1	STD43915	02/18/11 18:07
7	15G25043.F	WG357035-02 TOX ICAL 1000 PPB	1	1	STD43915	02/18/11 18:07
8	15G25043.R	WG357035-02 TOX ICAL 1000 PPB	1	1	STD43915	02/18/11 18:36
9	15G25044.F	WG357035-03 TOX ICAL 500 PPB	1	1	STD43915	02/18/11 18:36
10	15G25044.R	WG357035-03 TOX ICAL 500 PPB	1	1	STD43915	02/18/11 19:04
11	15G25045.F	WG357035-04 TOX ICAL 200 PPB	1	1	STD43915	02/18/11 19:04
12	15G25045.R	WG357035-04 TOX ICAL 200 PPB	1	1	STD43915	02/18/11 19:33
13	15G25046.F	WG357035-05 TOX ICAL 100 PPB	1	1	STD43915	02/18/11 19:33
14	15G25046.R	WG357035-05 TOX ICAL 100 PPB	1	1	STD43915	02/18/11 20:01
15	15G25047.F	WG357035-05 TOX ALT 500 PPB	1	1	STD43915	02/18/11 20:01
16	15G25047.R	WG357035-05 TOX ALT 500 PPB	1	1	STD43915	02/18/11 20:29
17	15G25048.F	WG357037-01 PEST ICAL 200 PPB	1	1	STD43387	02/18/11 20:29
18	15G25048.R	WG357037-01 PEST ICAL 200 PPB	1	1	STD43387	02/18/11 20:58
19	15G25049.F	WG357037-02 PEST ICAL 100 PPB	1	1	STD43387	02/18/11 20:58
20	15G25049.R	WG357037-02 PEST ICAL 100 PPB	1	1	STD43387	02/18/11 21:26
21	15G25050.F	WG357037-03 PEST ICAL 20 PPB	1	1	STD43387	02/18/11 21:26
22	15G25050.R	WG357037-03 PEST ICAL 20 PPB	1	1	STD43387	02/18/11 21:54
23	15G25051.F	WG357037-04 PEST ICAL 10 PPB	1	1	STD43387	02/18/11 21:54
24	15G25051.R	WG357037-04 PEST ICAL 10 PPB	1	1	STD43387	02/18/11 22:23
25	15G25052.F	WG357037-05 PEST ICAL 4 PPB	1	1	STD43387	02/18/11 22:23
26	15G25052.R	WG357037-05 PEST ICAL 4 PPB	1	1	STD43387	02/18/11 22:51
27	15G25053.F	WG357037-06 PEST ICAL 1 PPB	1	1	STD43387	02/18/11 22:51
28	15G25053.R	WG357037-06 PEST ICAL 1 PPB	1	1	STD43387	02/18/11 23:19
29	15G25054.F	WG357037-07 PEST ALT 20 PPB	1	1	STD43387	02/18/11 23:19
30	15G25054.R	WG357037-07 PEST ALT 20 PPB	1	1	STD43387	02/18/11 23:48
31	15G25055.F	L11020282-01 10x	1	10		02/18/11 23:48
32	15G25055.R	L11020282-01 10x	1	10		02/19/11 00:16
33	15G25056.F	L11020281-06 10x	7	10	SOIL	02/19/11 00:16
34	15G25056.R	L11020281-06 10x	7	10	SOIL	02/19/11 00:44

Page: 1 Approved: 21-FEB-11

Cassie L. Augustein

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021811
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
35	15G25057.F	L11020281-14 100x	7	100	SOIL	02/19/11 00:44
36	15G25057.R	L11020281-14 100x	7	100	SOIL	02/19/11 01:13
37	15G25058.F	L11020281-21 100x	7	100	SOIL	02/19/11 01:13
38	15G25058.R	L11020281-21 100x	7	100	SOIL	02/19/11 01:41
39	15G25059.F	HEXANE	1	1		02/19/11 01:41
40	15G25059.R	HEXANE	1	1		02/19/11 02:09
41	15G25060.F	WG356905-01 BLANK	1	1		02/19/11 02:09
42	15G25060.R	WG356905-01 BLANK	1	1		02/19/11 02:38
43	15G25061.F	WG356905-02 LCS	1	1		02/19/11 02:38
44	15G25061.R	WG356905-02 LCS	1	1		02/19/11 03:06
45	15G25062.F	WG356905-03 LCS DUP	1	1		02/19/11 03:06
46	15G25062.R	WG356905-03 LCS DUP	1	1		02/19/11 03:35
47	15G25063.F	WG356905-04 TOX LCS	1	1		02/19/11 03:35
48	15G25063.R	WG356905-04 TOX LCS	1	1		02/19/11 04:03
49	15G25064.F	WG356906-01 FBLANK	17	1		02/19/11 04:03
50	15G25064.R	WG356906-01 FBLANK	17	1		02/19/11 04:31
51	15G25065.F	WG357038-02 ENDRIN/DDT	1	1	STD39983	02/19/11 04:31
52	15G25065.R	WG357038-02 ENDRIN/DDT	1	1	STD39983	02/19/11 05:00
53	15G25066.F	WG357038-03 PEST CCV 20 PPB	1	1	STD43387	02/19/11 05:00
54	15G25066.R	WG357038-03 PEST CCV 20 PPB	1	1	STD43387	02/19/11 05:28
55	15G25067.F	WG357036-01 TOX CCV 500 PPB	1	1	STD43915	02/19/11 05:28
56	15G25067.R	WG357036-01 TOX CCV 500 PPB	1	1	STD43915	02/19/11 05:56
57	15G25068.F	L11020354-01	17	1		02/19/11 05:56
58	15G25068.R	L11020354-01	17	1		02/19/11 06:24
59	15G25069.F	L11020354-02	17	1		02/19/11 06:24
60	15G25069.R	L11020354-02	17	1		02/19/11 06:53
61	15G25070.F	L11020378-01	17	1		02/19/11 06:53
62	15G25070.R	L11020378-01	17	1		02/19/11 07:21
63	15G25071.F	L11020434-01	1	1		02/19/11 07:21
64	15G25071.R	L11020434-01	1	1		02/19/11 07:49
65	15G25072.F	L11020447-05	1	1		02/19/11 07:49
66	15G25072.R	L11020447-05	1	1		02/19/11 08:18
67	15G25073.F	WG356521-02 BLANK	7	1	SOIL	02/19/11 08:18
68	15G25073.R	WG356521-02 BLANK	7	1	SOIL	02/19/11 08:46
69	15G25074.F	WG356521-03 LCS	7	1	SOIL	02/19/11 08:46
70	15G25074.R	WG356521-03 LCS	7	1	SOIL	02/19/11 09:14
71	15G25075.F	WG356521-04 TOX LCS	7	1	SOIL	02/19/11 09:14

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Cassie D. Augenstein

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021811
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
72	15G25075.R	WG356521-04 TOX LCS	7	1	SOIL	02/19/11 09:42

Comments

Seq.	Rerun	Dil.	Reason	Analytes
3				
	PEST CCV 20 PPB: Standard failed high. Needs recalibrated.			

Page: 3 Approved: 21-FEB-11

Cassie D. Augenstein

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021911
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926 Calibration STD:

Comments: Samples from file 15G25107 to the end need rerun due to CCV failures.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	15G25079.F	WG357044-01 ENDRIN/DDT	1	1	STD39983	02/19/11 11:32
2	15G25079.R	WG357044-01 ENDRIN/DDT	1	1	STD39983	02/19/11 12:00
3	15G25080.F	WG357044-02 PEST CCV 20 PPB	1	1	STD43387	02/19/11 12:00
4	15G25080.R	WG357044-02 PEST CCV 20 PPB	1	1	STD43387	02/19/11 12:28
5	15G25081.F	WG357045-01 TOX CCV 500 PPB	1	1	STD43915	02/19/11 13:17
6	15G25081.R	WG357045-01 TOX CCV 500 PPB	1	1	STD43915	02/19/11 13:45
7	15G25082.F	L11020354-01	17	1		02/19/11 13:45
8	15G25082.R	L11020354-01	17	1		02/19/11 14:13
9	15G25083.F	L11020354-02	17	1		02/19/11 14:13
10	15G25083.R	L11020354-02	17	1		02/19/11 14:41
11	15G25084.F	L11020378-01	17	1		02/19/11 14:41
12	15G25084.R	L11020378-01	17	1		02/19/11 15:10
13	15G25085.F	L11020434-01	1	1		02/19/11 15:10
14	15G25085.R	L11020434-01	1	1		02/19/11 15:38
15	15G25086.F	L11020447-05	1	1		02/19/11 15:38
16	15G25086.R	L11020447-05	1	1		02/19/11 16:07
17	15G25087.F	WG356521-02 BLANK	7	1	SOIL	02/19/11 16:07
18	15G25087.R	WG356521-02 BLANK	7	1	SOIL	02/19/11 16:35
19	15G25088.F	WG356521-03 LCS	7	1	SOIL	02/19/11 16:35
20	15G25088.R	WG356521-03 LCS	7	1	SOIL	02/19/11 17:03
21	15G25089.F	WG356521-04 TOX LCS	7	1	SOIL	02/19/11 17:03
22	15G25089.R	WG356521-04 TOX LCS	7	1	SOIL	02/19/11 17:32
23	15G25090.F	L11020281-24	7	1	SOIL	02/19/11 17:32
24	15G25090.R	L11020281-24	7	1	SOIL	02/19/11 18:00
25	15G25091.F	L11020281-26 5x	7	5	SOIL	02/19/11 18:00
26	15G25091.R	L11020281-26 5x	7	5	SOIL	02/19/11 18:28
27	15G25092.F	WG357044-03 PEST CCV 10 PPB	1	1	STD43387	02/19/11 18:28
28	15G25092.R	WG357044-03 PEST CCV 10 PPB	1	1	STD43387	02/19/11 18:56
29	15G25093.F	WG357045-02 TOX CCV 200 PPB	1	1	STD43915	02/19/11 18:56
30	15G25093.R	WG357045-02 TOX CCV 200 PPB	1	1	STD43915	02/19/11 19:25
31	15G25094.F	L11020281-28	7	1	SOIL	02/19/11 19:25
32	15G25094.R	L11020281-28	7	1	SOIL	02/19/11 19:53
33	15G25095.F	L11020281-30 REF	7	1	SOIL	02/19/11 19:53
34	15G25095.R	L11020281-30 REF	7	1	SOIL	02/19/11 20:21

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Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021911
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
35	15G25096.F	L11020281-31 MS	7	1	SOIL	02/19/11 20:21
36	15G25096.R	L11020281-31 MS	7	1	SOIL	02/19/11 20:50
37	15G25097.F	L11020281-32 MSD	7	1	SOIL	02/19/11 20:50
38	15G25097.R	L11020281-32 MSD	7	1	SOIL	02/19/11 21:18
39	15G25098.F	L11020281-34	7	1	SOIL	02/19/11 21:18
40	15G25098.R	L11020281-34	7	1	SOIL	02/19/11 21:46
41	15G25099.F	L11020281-36	7	1	SOIL	02/19/11 21:46
42	15G25099.R	L11020281-36	7	1	SOIL	02/19/11 22:15
43	15G25100.F	L11020281-38	7	1	SOIL	02/19/11 22:15
44	15G25100.R	L11020281-38	7	1	SOIL	02/19/11 22:43
45	15G25101.F	L11020281-40	7	1	SOIL	02/19/11 22:43
46	15G25101.R	L11020281-40	7	1	SOIL	02/19/11 23:11
47	15G25102.F	L11020281-42	7	1	SOIL	02/19/11 23:11
48	15G25102.R	L11020281-42	7	1	SOIL	02/19/11 23:40
49	15G25103.F	L11020281-44	7	1	SOIL	02/19/11 23:40
50	15G25103.R	L11020281-44	7	1	SOIL	02/20/11 00:08
51	15G25104.F	WG357044-04 ENDRIN/DDT	1	1	STD39983	02/20/11 00:08
52	15G25104.R	WG357044-04 ENDRIN/DDT	1	1	STD39983	02/20/11 00:36
53	15G25105.F	WG357044-05 PEST CCV 20 PPB	1	1	STD43387	02/20/11 00:36
54	15G25105.R	WG357044-05 PEST CCV 20 PPB	1	1	STD43387	02/20/11 01:04
55	15G25106.F	WG357045-03 TOX CCV 500 PPB	1	1	STD43915	02/20/11 01:04
56	15G25106.R	WG357045-03 TOX CCV 500 PPB	1	1	STD43915	02/20/11 01:32
57	15G25107.F	L11020281-23 20x	7	20	SOIL	02/20/11 01:32
58	15G25107.R	L11020281-23 20x	7	20	SOIL	02/20/11 02:01
59	15G25108.F	L11020281-25 100x	7	100	SOIL	02/20/11 02:01
60	15G25108.R	L11020281-25 100x	7	100	SOIL	02/20/11 02:29
61	15G25109.F	L11020281-27 5x	7	5	SOIL	02/20/11 02:29
62	15G25109.R	L11020281-27 5x	7	5	SOIL	02/20/11 02:57
63	15G25110.F	L11020281-29 10x	7	10	SOIL	02/20/11 02:57
64	15G25110.R	L11020281-29 10x	7	10	SOIL	02/20/11 03:26
65	15G25111.F	L11020281-33 100x	7	100	SOIL	02/20/11 03:26
66	15G25111.R	L11020281-33 100x	7	100	SOIL	02/20/11 03:54
67	15G25112.F	L11020281-35 20x	7	20	SOIL	02/20/11 03:54
68	15G25112.R	L11020281-35 20x	7	20	SOIL	02/20/11 04:22
69	15G25113.F	L11020281-37 20x	7	20	SOIL	02/20/11 04:22
70	15G25113.R	L11020281-37 20x	7	20	SOIL	02/20/11 04:50
71	15G25114.F	L11020281-39 20x	7	20	SOIL	02/20/11 04:50

 Approved: 21-FEB-11

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021911
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
72	15G25114.R	L11020281-39 20x	7	20	SOIL	02/20/11 05:19
73	15G25115.F	L11020281-41 20x	7	20	SOIL	02/20/11 05:19
74	15G25115.R	L11020281-41 20x	7	20	SOIL	02/20/11 05:47
75	15G25116.F	L11020281-43 20x	7	20	SOIL	02/20/11 05:47
76	15G25116.R	L11020281-43 20x	7	20	SOIL	02/20/11 06:15
77	15G25117.F	HEXANE	1	1		02/20/11 06:15
78	15G25117.R	HEXANE	1	1		02/20/11 06:43
79	15G25118.F	WG357044-06 PEST CCV 10 PPB	1	1	STD43387	02/20/11 06:43
80	15G25118.R	WG357044-06 PEST CCV 10 PPB	1	1	STD43387	02/20/11 07:12
81	15G25119.F	WG357045-04 TOX CCV 200 PPB	1	1	STD43915	02/20/11 07:12
82	15G25119.R	WG357045-04 TOX CCV 200 PPB	1	1	STD43915	02/20/11 07:40
83	15G25120.F	WG356560-02 BLANK	7	1	SOIL	02/20/11 07:40
84	15G25120.R	WG356560-02 BLANK	7	1	SOIL	02/20/11 08:08
85	15G25121.F	WG356560-03 LCS	7	1	SOIL	02/20/11 08:08
86	15G25121.R	WG356560-03 LCS	7	1	SOIL	02/20/11 08:36
87	15G25122.F	WG356560-04 TOX LCS	7	1	SOIL	02/20/11 08:36
88	15G25122.R	WG356560-04 TOX LCS	7	1	SOIL	02/20/11 09:05
89	15G25123.F	L11020281-48	7	1	SOIL	02/20/11 09:05
90	15G25123.R	L11020281-48	7	1	SOIL	02/20/11 09:33
91	15G25124.F	L11020281-50	7	1	SOIL	02/20/11 09:33
92	15G25124.R	L11020281-50	7	1	SOIL	02/20/11 10:01
93	15G25125.F	L11020281-52	7	1	SOIL	02/20/11 10:01
94	15G25125.R	L11020281-52	7	1	SOIL	02/20/11 10:29
95	15G25126.F	L11020281-56	7	1	SOIL	02/20/11 10:29
96	15G25126.R	L11020281-56	7	1	SOIL	02/20/11 10:58
97	15G25127.F	L11020281-58	7	1	SOIL	02/20/11 10:58
98	15G25127.R	L11020281-58	7	1	SOIL	02/20/11 11:26
99	15G25128.F	L11020281-63	7	1	SOIL	02/20/11 11:26
100	15G25128.R	L11020281-63	7	1	SOIL	02/20/11 11:54
101	15G25129.F	L11020281-66	7	1	SOIL	02/20/11 11:54
102	15G25129.R	L11020281-66	7	1	SOIL	02/20/11 12:23
103	15G25130.F	WG357044-07 ENDRIN/DDT	1	1	STD39983	02/20/11 12:23
104	15G25130.R	WG357044-07 ENDRIN/DDT	1	1	STD39983	02/20/11 12:51
105	15G25131.F	WG357044-08 PEST CCV 20 PPB	1	1	STD43387	02/20/11 12:51
106	15G25131.R	WG357044-08 PEST CCV 20 PPB	1	1	STD43387	02/20/11 13:19
107	15G25132.F	WG357045-05 TOX CCV 500 PPB	1	1	STD43915	02/20/11 13:19
108	15G25132.R	WG357045-05 TOX CCV 500 PPB	1	1	STD43915	02/20/11 13:48

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 021911
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Comments

Seq.	Rerun	Dil.	Reason	Analytes
4				
	WG357044-02: DDT, heptachlor epoxide >15%D			
11				
	L11020378-01: T-M-X surrogate failed high due to SMI.			
23				
	L11020281-24: DCB surrogate failed low.			
25				
	L11020281-26 5x: T-M-X surrogate failed low.			
27				
	WG357044-03: Dieldrin, methoxyclor >15%D, reporting from rear column.			
28				
	WG357044-03 PEST CCV 10 PPB: DDT, Heptachlor epoxide >15% D (CF column)			
31				
	L11020281-28: Both surrogates failed low. Needs re-extracted.			
33				
	L11020281-30 REF: Both surrogates failed low. Needs re-extracted.			
37				
	L11020281-32 MSD: Both surrogates failed low. Needs re-extracted.			
39				
	L11020281-34: Both surrogates failed low. Needs re-extracted.			
43				
	L11020281-38: Both surrogates failed low. Needs re-extracted.			
45				
	L11020281-40: Both surrogates failed low. Needs re-extracted.			
49				
	L11020281-44: Both surrogates failed low. Needs re-extracted.			
53				
	WG357044-05: Dieldin, methoxyclor >15%D, reporting from rear column.			
54				
	WG357044-05 rear column: heptaclor epoxide, Endosulfan I, DDT, Endrin aldehyde >15%D.			
59	X		Check Standard Failure	4,4'-DDT
	L11020281-25 100x			
80				
	WG357044-06 PEST CCV 10 PPB: 3 analytes failed low on the rear (confirmation) column. These analytes are needed for confirmations.			

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 022211
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926 Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	15G25175.F	WG357262-01 ENDRIN/DDT	1	1	STD39983	02/22/11 12:56
2	15G25175.R	WG357262-01 ENDRIN/DDT	1	1	STD39983	02/22/11 13:24
3	15G25176.F	WG357262-02 PEST CCV 20 PPB	1	1	STD43387	02/22/11 13:24
4	15G25176.R	WG357262-02 PEST CCV 20 PPB	1	1	STD43387	02/22/11 13:53
5	15G25177.F	WG357263-01 TOX CCV 500 PPB	1	1	STD43915	02/22/11 14:54
6	15G25177.R	WG357263-01 TOX CCV 500 PPB	1	1	STD43915	02/22/11 15:22
7	15G25178.F	WG356900-02 BLANK	7	1	SOIL	02/22/11 15:22
8	15G25178.R	WG356900-02 BLANK	7	1	SOIL	02/22/11 15:51
9	15G25179.F	WG356900-03 LCS	7	1	SOIL	02/22/11 15:51
10	15G25179.R	WG356900-03 LCS	7	1	SOIL	02/22/11 16:19
11	15G25180.F	WG356900-04 TOX LCS	7	1	SOIL	02/22/11 16:19
12	15G25180.R	WG356900-04 TOX LCS	7	1	SOIL	02/22/11 16:47
13	15G25181.F	L11020447-01 REF	7	1	SOIL	02/22/11 16:47
14	15G25181.R	L11020447-01 REF	7	1	SOIL	02/22/11 17:16
15	15G25182.F	L11020447-03 MS	7	1	SOIL	02/22/11 17:16
16	15G25182.R	L11020447-03 MS	7	1	SOIL	02/22/11 17:44
17	15G25183.F	L11020447-04 MSD	7	1	SOIL	02/22/11 17:44
18	15G25183.R	L11020447-04 MSD	7	1	SOIL	02/22/11 18:12
19	15G25184.F	L11020447-02	7	1	SOIL	02/22/11 18:12
20	15G25184.R	L11020447-02	7	1	SOIL	02/22/11 18:41
21	15G25185.F	L11020447-06	7	1	SOIL	02/22/11 18:41
22	15G25185.R	L11020447-06	7	1	SOIL	02/22/11 19:09
23	15G25186.F	L11020447-07	7	1	SOIL	02/22/11 19:09
24	15G25186.R	L11020447-07	7	1	SOIL	02/22/11 19:37
25	15G25187.F	WG357262-03 PEST CCV 10 PPB	1	1	STD43387	02/22/11 19:37
26	15G25187.R	WG357262-03 PEST CCV 10 PPB	1	1	STD43387	02/22/11 20:06
27	15G25188.F	WG357263-02 TOX CCV 200 PPB	1	1	STD43915	02/22/11 20:06
28	15G25188.R	WG357263-02 TOX CCV 200 PPB	1	1	STD43915	02/22/11 20:34
29	15G25189.F	L11020281-54 20x	7	20	SOIL	02/22/11 20:34
30	15G25189.R	L11020281-54 20x	7	20	SOIL	02/22/11 21:02
31	15G25190.F	L11020281-57	7	1	SOIL	02/22/11 21:02
32	15G25190.R	L11020281-57	7	1	SOIL	02/22/11 21:31
33	15G25191.F	L11020281-59 20x	7	20	SOIL	02/22/11 21:31
34	15G25191.R	L11020281-59 20x	7	20	SOIL	02/22/11 21:59

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 022211
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
35	15G25192.F	L11020281-64 400x	7	400	SOIL	02/22/11 21:59
36	15G25192.R	L11020281-64 400x	7	400	SOIL	02/22/11 22:27
37	15G25193.F	L11020281-65 5x	7	5	SOIL	02/22/11 22:27
38	15G25193.R	L11020281-65 5x	7	5	SOIL	02/22/11 22:55
39	15G25194.F	L11020281-67 100x	7	100	SOIL	02/22/11 22:55
40	15G25194.R	L11020281-67 100x	7	100	SOIL	02/22/11 23:24
41	15G25195.F	L11020281-69 50x	7	50	SOIL	02/22/11 23:24
42	15G25195.R	L11020281-69 50x	7	50	SOIL	02/22/11 23:52
43	15G25196.F	L11020281-69 5x	7	5	SOIL	02/22/11 23:52
44	15G25196.R	L11020281-69 5x	7	5	SOIL	02/23/11 00:20
45	15G25197.F	WG356561-02 BLANK	7	1	SOIL	02/23/11 00:20
46	15G25197.R	WG356561-02 BLANK	7	1	SOIL	02/23/11 00:49
47	15G25198.F	WG356561-03 LCS	7	1	SOIL	02/23/11 00:49
48	15G25198.R	WG356561-03 LCS	7	1	SOIL	02/23/11 01:17
49	15G25199.F	WG357262-04 PEST CCV 20 PPB	1	1	STD43387	02/23/11 01:17
50	15G25199.R	WG357262-04 PEST CCV 20 PPB	1	1	STD43387	02/23/11 01:46
51	15G25200.F	WG357263-03 TOX CCV 500 PPB	1	1	STD43915	02/23/11 01:46
52	15G25200.R	WG357263-03 TOX CCV 500 PPB	1	1	STD43915	02/23/11 02:14
53	15G25201.F	WG356561-04 TOX LCS	7	1	SOIL	02/23/11 02:14
54	15G25201.R	WG356561-04 TOX LCS	7	1	SOIL	02/23/11 02:42
55	15G25202.F	L11020281-60 REF	7	1	SOIL	02/23/11 02:42
56	15G25202.R	L11020281-60 REF	7	1	SOIL	02/23/11 03:10
57	15G25203.F	L11020281-61 MS	7	1	SOIL	02/23/11 03:10
58	15G25203.R	L11020281-61 MS	7	1	SOIL	02/23/11 03:39
59	15G25204.F	L11020281-62 MSD	7	1	SOIL	02/23/11 03:39
60	15G25204.R	L11020281-62 MSD	7	1	SOIL	02/23/11 04:07
61	15G25205.F	L11020281-71	7	1	SOIL	02/23/11 04:07
62	15G25205.R	L11020281-71	7	1	SOIL	02/23/11 04:35
63	15G25206.F	L11020282-02	7	1	SOIL	02/23/11 04:35
64	15G25206.R	L11020282-02	7	1	SOIL	02/23/11 05:04
65	15G25207.F	L11020281-37 2000x	7	2000	SOIL	02/23/11 05:04
66	15G25207.R	L11020281-37 2000x	7	2000	SOIL	02/23/11 05:32
67	15G25208.F	L11020281-70 100x	7	100	SOIL	02/23/11 05:32
68	15G25208.R	L11020281-70 100x	7	100	SOIL	02/23/11 06:00
69	15G25209.F	HEXANE	1	1		02/23/11 06:00
70	15G25209.R	HEXANE	1	1		02/23/11 06:28
71	15G25210.F	WG357262-06 PEST CCV 10 PPB	1	1	STD43387	02/23/11 06:28

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Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 022211
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
72	15G25210.R	WG357262-06 PEST CCV 10 PPB	1	1	STD43387	02/23/11 06:57
73	15G25211.F	WG357263-04 TOX CCV 200 PPB	1	1	STD43915	02/23/11 06:57
74	15G25211.R	WG357263-04 TOX CCV 200 PPB	1	1	STD43915	02/23/11 07:25
75	15G25212.F	WG357150-01 BLANK	17	1		02/23/11 07:25
76	15G25212.R	WG357150-01 BLANK	17	1		02/23/11 07:53
77	15G25213.F	WG357150-02 LCS	17	1		02/23/11 07:53
78	15G25213.R	WG357150-02 LCS	17	1		02/23/11 08:22
79	15G25214.F	WG357150-03 LCS DUP	17	1		02/23/11 08:22
80	15G25214.R	WG357150-03 LCS DUP	17	1		02/23/11 08:50
81	15G25215.F	L11020535-01	17	1		02/23/11 08:50
82	15G25215.R	L11020535-01	17	1		02/23/11 09:18
83	15G25216.F	L11020521-01	17	1		02/23/11 09:18
84	15G25216.R	L11020521-01	17	1		02/23/11 09:47
85	15G25217.F	WG357122-01 FBLANK	17	1		02/23/11 09:47
86	15G25217.R	WG357122-01 FBLANK	17	1		02/23/11 10:15
87	15G25218.F	WG357122-02 FBLANK	17	1		02/23/11 10:15
88	15G25218.R	WG357122-02 FBLANK	17	1		02/23/11 10:43
89	15G25219.F	WG357262-05 ENDRIN/DDT	1	1	STD39983	02/23/11 10:43
90	15G25219.R	WG357262-05 ENDRIN/DDT	1	1	STD39983	02/23/11 11:12
91	15G25220.F	WG357262-07 PEST CCV 20 PPB	1	1	STD43387	02/23/11 11:12
92	15G25220.R	WG357262-07 PEST CCV 20 PPB	1	1	STD43387	02/23/11 11:40
93	15G25221.F	WG357263-05 TOX CCV 500 PPB	1	1	STD43915	02/23/11 11:40
94	15G25221.R	WG357263-05 TOX CCV 500 PPB	1	1	STD43915	02/23/11 12:08

Comments

Seq.	Rerun	Dil.	Reason	Analytes
7				
	WG356900-02 BLANK: T-M-X surrogate failed low.			
9				
	WG356900-03 LCS: T-M-X surrogate failed low.			
11				
	WG356900-04 TOX LCS: T-M-X surrogate failed low.			
13				
	L11020447-01 REF: T-M-X surrogate failed low.			
15				
	L11020447-03 MS: T-M-X surrogate failed low.			
17				

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 022211
Analyst1: ECL Analyst2: NA
Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43387 LCS STD: STD42746
Internal STD: NA Surrogate STD: STD43926

Comments

Seq.	Rerun	Dil.	Reason	Analytes
	L11020447-04 MSD: T-M-X surrogate failed low.			
19				
	L11020447-02: Both surrogates failed low. No re-extract per client.			
21				
	L11020447-06: Both surrogates failed low. No re-extract per client.			
23				
	L11020447-07: Both surrogates failed low. No re-extract per client.			
29	X	20	Check Standard Failure	Dieldrin
	L11020281-54 20x: Not reported.			
31	X	100	Over Calibration Range	4 analytes
	L11020281-57: Not reported.			
41	X	50	Check Standard Failure	Dieldrin
	L11020281-69 50x: Not reported.			
43	X		Check Standard Failure	Dieldrin
	L11020281-69 5x: Not reported.			
45	X		Check Standard Failure	Dieldrin
	WG356561-02 BLANK: Not reported.			
47	X		Check Standard Failure	Dieldrin
	WG356561-03 LCS: Not reported.			
49				
	WG357262-04 PEST CCV 20 PPB: Dieldrin and alpha-chlordane failed low on the front (primary) column. 4 other analytes failed low on the rear (confirmation) column.			
53				
	WG356561-04 TOX LCS: Not reported.			
55				
	L11020281-60 REF: Both surrogates failed low.			
57				
	L11020281-61 MS: Both surrogates failed low.			
59				
	L11020281-62 MSD: Both surrogates failed low.			
63	X	10	Over Calibration Range	4,4'-DDT, 4,4'-DDE
	L11020282-02: Not reported.			
67	X	100	Check Standard Failure	Dieldrin
	L11020281-70 100x: Not reported.			
91				

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP15 Dataset: 022211

Analyst1: ECL Analyst2: NA

Method: 8081 SOP: GCS09 Rev: 12

Maintenance Log ID: _____ Syringe Filter Lot#: _____

Column 1 ID: RTX-CLP Column 2 ID: RTX-CLP2

Workgroups: _____

CCV Std: STD43387 LCS STD: STD42746

Internal STD: NA Surrogate STD: STD43926

Comments

Seq.	Rerun	Dil.	Reason	Analytes

WG357262-07 PEST CCV 20 PPB: Dieldrin failed low on the front (primary) column. Heptachlor epoxide failed low on the rear (confirmation) column.

 Approved: 23-FEB-11

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: ECL
Analyst: NA
Method: 8081
Instrument: HP15
Curve Workgroup: NA
Runlog ID: 39114
Analytical Workgroups: L11020282, L11020281

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	X
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	X
Average RF	X
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	X
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	NA
Recoveries	NA
%RPD	NA
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	X
Reruns	X
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	CAA

Primary Reviewer:
19-FEB-2011

Secondary Reviewer:
21-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 12:56:04

Microbac Laboratories Inc.

Data Checklist

Date: 19-FEB-2011
Analyst: ECL
Analyst: NA
Method: 8081
Instrument: HP15
Curve Workgroup: NA
Runlog ID: 39130
Analytical Workgroups: L11020354, L11020378, L11020434, L11020447, L11020281

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	X
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	NA
Average RF	NA
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	NA
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	X
Recoveries	X
%RPD	X
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	X
Reruns	X
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	X
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
21-FEB-2011

Secondary Reviewer:
21-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 15:51:46

Microbac Laboratories Inc.

Data Checklist

Date: 22-FEB-2011
Analyst: ECL
Analyst: NA
Method: 8081
Instrument: HP15
Curve Workgroup: NA
Runlog ID: 39170
Analytical Workgroups: L11020447, L11020281, L11020535, L11020521

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	X
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	NA
Average RF	NA
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	NA
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	X
Recoveries	X
%RPD	X
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	X
Reruns	X
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	X
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
23-FEB-2011

Secondary Reviewer:
23-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-23-2011 14:38:04

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 8081A AAB#: WG357013

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-2-16-11-FB	05	02/16/11					02/18/11	1.9	7		02/19/11	1.3	40	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1924787
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8081A AAB#: WG357023

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/18/11	1.9	14		02/22/11	4.3	40	
SITE #1-2-16-11-DUP	02	02/16/11					02/18/11	1.9	14		02/22/11	4.4	40	
SITE #1-2-16-11-MS	03	02/16/11					02/18/11	1.9	14		02/22/11	4.3	40	
SITE #1-2-16-11-MSD	04	02/16/11					02/18/11	1.9	14		02/22/11	4.3	40	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/18/11	1.9	14		02/22/11	4.4	40	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/18/11	1.9	14		02/22/11	4.4	40	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1924787
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.
SURROGATE STANDARDS

Login Number: L11020447
Instrument Id: HP15
Workgroup (AAB#): WG357023

Method: 8081
CAL ID: HP15-18-FEB-11
Matrix: Soil

Sample Number	Dilution	Tag	1	2
L11020447-01	1.00	01	61.4	56.2
L11020447-02	1.00	01	56.9	49.6
L11020447-03	1.00	01	67.2	66.1
L11020447-04	1.00	01	64.0	63.1
L11020447-06	1.00	01	56.5	54.7
L11020447-07	1.00	01	54.9	54.6
WG356900-02	1.00	01	70.2	78.7
WG356900-03	1.00	01	67.3	74.1
WG356900-04	1.00	02	65.9	74.7

Surrogates	Surrogate Limits		
1 - 2,4,5,6-Tetrachloro-m-xylene	70	-	125
2 - Decachlorobiphenyl	55	-	130

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

SURROGATES - Modified 03/06/2008
PDF File ID: 1924796
Report generated: 02/23/2011 16:00

Microbac Laboratories Inc.
SURROGATE STANDARDS

Login Number: L11020447
Instrument Id: HP15
Workgroup (AAB#): WG357013

Method: 8081
CAL ID: HP15-18-FEB-11
Matrix: Water

Sample Number	Dilution	Tag	1	2
L11020447-05	1.00	01	74.6	61.3
WG356905-01	1.00	01	78.5	71.0
WG356905-02	1.00	01	69.5	60.7
WG356905-03	1.00	01	69.0	56.4
WG356905-04	1.00	03	59.2	32.2

Surrogates	Surrogate Limits		
1 - 2,4,5,6-Tetrachloro-m-xylene	25	-	140
2 - Decachlorobiphenyl	30	-	135

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

SURROGATES - Modified 03/06/2008
PDF File ID: 1924796
Report generated: 02/23/2011 16:00

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number:	L11020447	Work Group:	WG357013
Blank File ID:	15G25060.F	Blank Sample ID:	WG356905-01
Prep Date:	02/18/11 09:00	Instrument ID:	HP15
Analyzed Date:	02/19/11 02:09	Method:	8081A
Analyst:	ECL		

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356905-02	15G25061.F	02/19/11 02:38	01
LCS2	WG356905-03	15G25062.F	02/19/11 03:06	01
LCS_TOX	WG356905-04	15G25063.F	02/19/11 03:35	03
SITE #1-2-16-11-FB	L11020447-05	15G25086.F	02/19/11 15:38	01

Report Name: BLANK_SUMMARY
PDF File ID: 1924788
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG357023
Blank File ID: 15G25178.F
Blank Sample ID: WG356900-02
Prep Date: 02/18/11 09:36
Instrument ID: HP15
Analyzed Date: 02/22/11 15:22
Method: 8081A
Analyst: ECL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356900-03	15G25179.F	02/22/11 15:51	01
LCS_TOX	WG356900-04	15G25180.F	02/22/11 16:19	02
SITE #1-TPS-2-16-11-COMP	L11020447-01	15G25181.F	02/22/11 16:47	01
SITE #1-2-16-11-MS	L11020447-03	15G25182.F	02/22/11 17:16	01
SITE #1-2-16-11-MSD	L11020447-04	15G25183.F	02/22/11 17:44	01
SITE #1-2-16-11-DUP	L11020447-02	15G25184.F	02/22/11 18:12	01
SITE #1-2-16-11-CLAY-C	L11020447-06	15G25185.F	02/22/11 18:41	01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	15G25186.F	02/22/11 19:09	01

Report Name: BLANK_SUMMARY
PDF File ID: 1924788
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number:L11020447 Prep Date:02/18/11 09:00 Sample ID:WG356905-01
Instrument ID:HP15 Run Date:02/19/11 02:09 Prep Method:3510C
File ID:15G25060.F Analyst:ECL Method:8081A
Workgroup (AAB#):WG357013 Matrix:Water Units:ug/L
Contract #: Cal ID: HP15-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
4,4'-DDD	0.0100	0.0500	0.0100	1	U
4,4'-DDE	0.0100	0.0500	0.0100	1	U
4,4'-DDT	0.0100	0.0500	0.0100	1	U
Aldrin	0.0100	0.0500	0.0100	1	U
alpha Chlordane	0.0100	0.0500	0.0100	1	U
alpha-BHC	0.0100	0.0500	0.0100	1	U
beta-BHC	0.0100	0.0500	0.0100	1	U
delta-BHC	0.0100	0.0500	0.0100	1	U
Dieldrin	0.0100	0.0500	0.0100	1	U
Endosulfan I	0.0100	0.0500	0.0100	1	U
Endosulfan II	0.0100	0.0500	0.0100	1	U
Endosulfan sulfate	0.0100	0.0500	0.0100	1	U
Endrin	0.0100	0.0500	0.0100	1	U
Endrin aldehyde	0.0100	0.0500	0.0100	1	U
Endrin ketone	0.0100	0.0500	0.0100	1	U
gamma Chlordane	0.0100	0.0500	0.0100	1	U
gamma-BHC (Lindane)	0.0100	0.0500	0.0100	1	U
Heptachlor	0.0100	0.0500	0.0100	1	U
Heptachlor epoxide	0.0100	0.0500	0.0100	1	U
Methoxychlor	0.0100	0.0500	0.0100	1	U
Toxaphene	0.300	1.00	0.300	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
2,4,5,6-Tetrachloro-m-xylene	78.5	25	-	140	PASS
Decachlorobiphenyl	71.0	30	-	135	PASS

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1924789
23-FEB-2011 16:00

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number:L11020447 Prep Date:02/18/11 09:36 Sample ID:WG356900-02
Instrument ID:HP15 Run Date:02/22/11 15:22 Prep Method:3550B
File ID:15G25178.F Analyst:ECL Method:8081A
Workgroup (AAB#):WG357023 Matrix:Soil Units:ug/kg
Contract #: Cal ID: HP15-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
4,4'-DDD	0.330	1.65	0.330	1	U
4,4'-DDE	0.330	1.65	0.330	1	U
4,4'-DDT	0.330	1.65	0.330	1	U
Aldrin	0.330	1.65	0.330	1	U
alpha Chlordane	0.330	1.65	0.330	1	U
alpha-BHC	0.330	1.65	0.330	1	U
beta-BHC	0.330	1.65	0.330	1	U
delta-BHC	0.330	1.65	0.330	1	U
Dieldrin	0.330	1.65	0.330	1	U
Endosulfan I	0.330	1.65	0.330	1	U
Endosulfan II	0.330	1.65	0.330	1	U
Endosulfan sulfate	0.330	1.65	0.330	1	U
Endrin	0.330	1.65	0.330	1	U
Endrin aldehyde	0.330	1.65	0.330	1	U
Endrin ketone	0.330	1.65	0.330	1	U
gamma Chlordane	0.330	1.65	0.330	1	U
gamma-BHC (Lindane)	0.330	1.65	0.330	1	U
Heptachlor	0.330	1.65	0.330	1	U
Heptachlor epoxide	0.330	1.65	0.330	1	U
Methoxychlor	0.330	1.65	0.330	1	U
Toxaphene	16.7	33.0	16.7	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
2,4,5,6-Tetrachloro-m-xylene	70.2	70	-	125	PASS
Decachlorobiphenyl	78.7	55	-	130	PASS

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1924789
23-FEB-2011 16:00

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG356905-04
Instrument ID: HP15 Run Time: 03:35 Prep Method: 3510C
File ID: 15G25063.F Analyst: ECL Method: 8081A
Workgroup (AAB#): WG357013 Matrix: Water Units: ug/L
QC Key: DOD4 Lot#: STD42746 Cal ID: HP15-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Toxaphene	2.00	2.08	104	41 - 126	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	59.2	25 - 140	PASS
Decachlorobiphenyl	32.2	30 - 135	PASS

* EXCEEDS %REC LIMIT

LCS - Modified 03/06/2008
PDF File ID: 1924790
Report generated: 02/23/2011 16:00

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG356900-03
Instrument ID: HP15 Run Time: 15:51 Prep Method: 3550B
File ID: 15G25179.F Analyst: ECL Method: 8081A
Workgroup (AAB#): WG357023 Matrix: Soil Units: ug/kg
QC Key: DOD4 Lot#: STD42746 Cal ID: HP15-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
4,4'-DDD	16.7	14.9	89.6	30 - 135	
4,4'-DDE	16.7	15.6	93.3	70 - 125	
4,4'-DDT	16.7	15.7	94.4	45 - 140	
Aldrin	16.7	13.5	81.1	45 - 140	
alpha Chlordane	16.7	14.2	85.2	65 - 120	
alpha-BHC	16.7	14.9	89.4	60 - 125	
beta-BHC	16.7	13.9	83.2	60 - 125	
delta-BHC	16.7	14.8	88.6	55 - 130	
Dieldrin	16.7	15.1	90.3	65 - 125	
Endosulfan I	16.7	11.9	71.4	15 - 135	
Endosulfan II	16.7	12.0	72.0	35 - 140	
Endosulfan sulfate	16.7	15.3	92.0	60 - 135	
Endrin	16.7	15.4	92.2	60 - 135	
Endrin aldehyde	16.7	12.6	75.4	35 - 145	
Endrin ketone	16.7	14.4	86.4	65 - 135	
gamma Chlordane	16.7	14.3	85.9	65 - 125	
gamma-BHC (Lindane)	16.7	14.3	85.9	60 - 125	
Heptachlor	16.7	14.0	84.3	50 - 140	
Heptachlor epoxide	16.7	12.2	72.9	65 - 130	
Methoxychlor	16.7	14.8	88.8	55 - 145	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	67.3	70 - 125	FAIL
Decachlorobiphenyl	74.1	55 - 130	PASS

* EXCEEDS %REC LIMIT

LCS - Modified 03/06/2008
PDF File ID: 1924790
Report generated: 02/23/2011 16:00

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG356900-04
Instrument ID: HP15 Run Time: 16:19 Prep Method: 3550B
File ID: 15G25180.F Analyst: ECL Method: 8081A
Workgroup (AAB#): WG357023 Matrix: Soil Units: ug/kg
QC Key: DOD4 Lot#: STD42746 Cal ID: HP15-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Toxaphene	66.7	48.0	71.9	25 - 138	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	65.9	70 - 125	FAIL
Decachlorobiphenyl	74.7	55 - 130	PASS

* EXCEEDS %REC LIMIT

LCS - Modified 03/06/2008
PDF File ID: 1924790
Report generated: 02/23/2011 16:00

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number:L11020447 Analyst:ECL Prep Method:3510C
Instrument ID:HP15 Matrix:Water Method:8081A
Workgroup (AAB#):WG357013 Units:ug/L
QC Key:DOD4 Lot #:STD42746

Sample ID:WG356905-02 LCS File ID:15G25061.F Run Date:02/19/2011 02:38
Sample ID:WG356905-03 LCS2 File ID:15G25062.F Run Date:02/19/2011 03:06

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
4,4'-DDD	0.500	0.481	96.2	0.500	0.525	105	8.79	25 - 150	30	
4,4'-DDE	0.500	0.468	93.6	0.500	0.506	101	7.80	35 - 140	30	
4,4'-DDT	0.500	0.517	103	0.500	0.579	116	11.4	45 - 140	30	
Aldrin	0.500	0.405	81.1	0.500	0.445	89.0	9.29	25 - 140	30	
alpha Chlordane	0.500	0.461	92.3	0.500	0.487	97.4	5.40	65 - 125	30	
alpha-BHC	0.500	0.436	87.2	0.500	0.470	94.0	7.53	60 - 130	30	
beta-BHC	0.500	0.476	95.2	0.500	0.506	101	6.19	65 - 125	30	
delta-BHC	0.500	0.498	99.7	0.500	0.531	106	6.39	45 - 135	30	
Dieldrin	0.500	0.527	105	0.500	0.558	112	5.75	60 - 130	30	
Endosulfan I	0.500	0.387	77.4	0.500	0.409	81.7	5.46	50 - 110	30	
Endosulfan II	0.500	0.406	81.2	0.500	0.438	87.5	7.44	30 - 130	30	
Endosulfan sulfate	0.500	0.539	108	0.500	0.570	114	5.52	55 - 135	30	
Endrin	0.500	0.513	103	0.500	0.551	110	7.03	55 - 135	30	
Endrin aldehyde	0.500	0.405	80.9	0.500	0.438	87.7	7.97	55 - 135	30	
Endrin ketone	0.500	0.474	94.9	0.500	0.509	102	7.00	75 - 125	30	
gamma Chlordane	0.500	0.449	89.9	0.500	0.474	94.8	5.37	60 - 125	30	
gamma-BHC (Lindane)	0.500	0.456	91.1	0.500	0.486	97.1	6.35	25 - 135	30	
Heptachlor	0.500	0.416	83.2	0.500	0.439	87.7	5.24	40 - 130	30	
Heptachlor epoxide	0.500	0.414	82.8	0.500	0.437	87.3	5.29	60 - 130	30	
Methoxychlor	0.500	0.505	101	0.500	0.544	109	7.41	55 - 150	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Decachlorobiphenyl	60.7	56.4	30 - 135	PASS
2,4,5,6-Tetrachloro-m-xylene	69.5	69.0	25 - 140	PASS

* EXCEEDS %REC LIMIT

EXCEEDS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1924791
Report generated: 02/23/2011 16:00

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11020447 Cal ID:HP15- 18-FEB-11 Worknum:WG357023
Instrument ID:HP15 Contract #: Prep Method:3550B
Parent ID:L11020447-01 File ID:15G25181.F Dil:1 Method:8081A
Sample ID:L11020447-03 MS File ID:15G25182.F Dil:1 Matrix:Soil
Sample ID:L11020447-04 MSD File ID:15G25183.F Dil:1 Units:ug/kg
Percent Solid:84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
4,4'-DDD	U	19.8	16.1	81.5	19.5	16.4	83.8	1.53	30 - 135	30	
4,4'-DDE	U	19.8	16.5	83.4	19.5	16.9	86.5	2.28	70 - 125	30	
4,4'-DDT	U	19.8	16.7	84.4	19.5	17.1	87.5	2.31	45 - 140	30	
Aldrin	U	19.8	15.2	76.5	19.5	15.5	79.5	2.47	45 - 140	30	
alpha Chlordane	U	19.8	15.4	77.8	19.5	15.7	80.3	1.84	65 - 120	30	
alpha-BHC	U	19.8	16.6	83.8	19.5	16.4	84.1	0.988	60 - 125	30	
beta-BHC	U	19.8	16.0	80.7	19.5	16.0	81.9	0.155	60 - 125	30	
delta-BHC	U	19.8	16.7	84.6	19.5	16.6	84.8	1.01	55 - 130	30	
Dieldrin	U	19.8	16.4	83	19.5	17.1	87.5	3.96	65 - 125	30	
Endosulfan I	U	19.8	13.1	66	19.5	13.1	66.9	0.0018	15 - 135	30	
Endosulfan II	U	19.8	13.7	69.4	19.5	13.7	70.1	0.261	35 - 140	30	
Endosulfan sulfate	U	19.8	17.8	89.8	19.5	17.5	89.8	1.34	60 - 135	30	
Endrin	U	19.8	17.3	87.6	19.5	17.2	87.9	1.03	60 - 135	30	
Endrin aldehyde	U	19.8	13.4	67.6	19.5	13.3	68.2	0.320	35 - 145	30	
Endrin ketone	U	19.8	16.5	83.3	19.5	16.3	83.4	1.13	65 - 135	30	
gamma Chlordane	U	19.8	15.7	79.2	19.5	15.7	80.5	0.331	65 - 125	30	
gamma-BHC (Lindane)	U	19.8	16.7	84.4	19.5	16.5	84.7	0.967	60 - 125	30	
Heptachlor	U	19.8	14.5	73.2	19.5	15.2	77.6	4.57	50 - 140	30	
Heptachlor epoxide	U	19.8	13.3	67.3	19.5	14.2	72.5	6.18	65 - 130	30	
Methoxychlor	U	19.8	16.6	84	19.5	17.0	87.2	2.41	55 - 145	30	

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1927318
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 18-FEB-11 20:29

ICAL Workgroup: WG357035 **Column ID:** F

Analyte		AVG RF	% RSD	LINEAR (R)	QUAD (R^2)
Toxaphene-1		1234000	8.49		
Toxaphene-2		1799000	11.8		
Toxaphene-3		3339000	3.29		
Toxaphene-4		1483000	7.20		
Toxaphene-5		1393000	5.96		

R = Correlation coefficient; 0.995 minimum
R^2 = Coefficient of determination; 0.99 minimum

INT_CAL - Modified 03/06/2008
PDF File ID: 1924793
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 18-FEB-11 23:19

ICAL Workgroup: WG357037 **Column ID:** F

Analyte		AVG RF	% RSD	LINEAR (R)	QUAD (R^2)
4,4'-DDD		116500000	3.48		
4,4'-DDE		142500000	3.58		
4,4'-DDT		117600000	1.77		
Aldrin		154800000	4.40		
Dieldrin		134200000	6.24		
Endosulfan I		137800000	9.12		
Endosulfan II		123200000	7.96		
Endosulfan Sulfate		106600000	7.19		
Endrin		133900000	4.59		
Endrin Aldehyde		98270000	10.6		
Endrin Ketone		117800000	6.33		
Heptachlor		172300000	7.89		
Heptachlor Epoxide		155600000	8.64		
Methoxychlor		57090000	6.10		
alpha-BHC		192600000	7.31		
alpha-Chlordane		151400000	3.81		
beta-BHC		78620000	1.20		
delta-BHC		179500000	8.08		
gamma-BHC		178800000	4.63		
gamma-Chlordane		161700000	1.69		

R = Correlation coefficient; 0.995 minimum
R^2 = Coefficient of determination; 0.99 minimum

INT_CAL - Modified 03/06/2008
PDF File ID: 1924793
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447
Analytical Method: 8081A
Instrument ID: HP15
Initial Calibration Date: 18-FEB-11 20:29
Column ID: F

Analyte	WG357035-01			WG357035-02			WG357035-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Toxaphene-1	2000	2649535620	1325000	1000	1262225300	1262000	500	644588697	1289000
Toxaphene-2	2000	3808203820	1904000	1000	1890827410	1891000	500	966427204	1933000
Toxaphene-3	2000	6825382010	3413000	1000	3448119230	3448000	500	1672072080	3344000
Toxaphene-4	2000	3211627030	1606000	1000	1550556650	1551000	500	768921419	1538000
Toxaphene-5	2000	3019075480	1510000	1000	1458088470	1458000	500	712470994	1425000

INT_CAL - Modified 03/06/2008
PDF File ID: 1924793
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 18-FEB-11 20:29

Column ID: F

Analyte	WG357035-04			WG357035-05		
	CONC	RESP	RF	CONC	RESP	RF
Toxaphene-1	200	247380784	1237000	100	126137608	1261000
				500	514561426	1029000
Toxaphene-2	200	368100093	1841000	500	684706629	1369000
				100	185643158	1856000
Toxaphene-3	200	661724856	3309000	500	1568815230	3138000
				100	337982007	3380000
Toxaphene-4	200	289048981	1445000	500	651827342	1304000
				100	145563416	1456000
Toxaphene-5	200	263306367	1317000	100	131438995	1314000
				500	666343361	1333000

INT_CAL - Modified 03/06/2008
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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447
Analytical Method: 8081A
Instrument ID: HP15
Initial Calibration Date: 18-FEB-11 23:19
Column ID: F

Analyte	WG357037-01			WG357037-02			WG357037-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	200	22488372600	112400000	100	11813743200	118100000	20.0	2425968600	121300000
4,4'-DDE	200	28109776900	140500000	100	14678702000	146800000	20.0	2956932360	147800000
4,4'-DDT	200	22980065600	114900000	100	11773325600	117700000	20.0	2359022570	118000000
Aldrin	200	28746493100	143700000	100	15147226900	151500000	20.0	3208900870	160400000
Dieldrin	200	23760028100	118800000	100	13517154000	135200000	20.0	2814178860	140700000
Endosulfan I	200	23295424500	116500000	100	12956385800	129600000	20.0	2814714510	140700000
Endosulfan II	200	21397200800	107000000	100	11649856500	116500000	20.0	2483154370	124200000
Endosulfan Sulfate	200	19354805600	96770000	100	10032727000	100300000	20.0	2112560960	105600000
Endrin	200	24619077400	123100000	100	13034927300	130300000	20.0	2770080590	138500000
Endrin Aldehyde	200	16964281300	84820000	100	8884290090	88840000	20.0	1934398140	96720000
Endrin Ketone	200	21452243200	107300000	100	11157730300	111600000	20.0	2347821240	117400000
Heptachlor	200	30095481900	150500000	100	16095643300	161000000	20.0	3536396140	176800000
Heptachlor Epoxide	200	26954103600	134800000	100	14426322700	144300000	20.0	3171221850	158600000
Methoxychlor	200	10297639100	51490000	100	5433906280	54340000	20.0	1151300260	57570000
alpha-BHC	200	41293366400	206500000	100	20560058800	205600000	20.0	3969372330	198500000
alpha-Chlordane	200	28277541100	141400000	100	15027136900	150300000	20.0	3044984670	152200000
beta-BHC	200	15528442400	77640000	100	7744879830	77450000	20.0	1568081790	78400000
delta-BHC	200	38127712600	190600000	100	19263757500	192600000	20.0	3744816710	187200000
gamma-BHC	200	37067965000	185300000	100	18565379200	185700000	20.0	3646032760	182300000
gamma-Chlordane	200	31405998900	157000000	100	16066389500	160700000	20.0	3246902560	162300000

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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447 **Instrument ID:** HP15

Analytical Method: 8081A **Initial Calibration Date:** 18-FEB-11 23:19

Column ID: F

Analyte	WG357037-04			WG357037-05			WG357037-06		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
4,4'-DDD	10.0	1199986710	120000000	4.00	464767266	116200000	1.00	111224952	111200000
4,4'-DDE	10.0	1453440680	145300000	4.00	561358026	140300000	1.00	134356628	134400000
4,4'-DDT	10.0	1204521340	120500000	4.00	476218048	119100000	1.00	115619876	115600000
Aldrin	10.0	1629475630	162900000	4.00	622303628	155600000	1.00	154741189	154700000
Dieldrin	10.0	1312679490	131300000	4.00	558661321	139700000	1.00	139807884	139800000
Endosulfan I	10.0	1433421930	143300000	4.00	583127638	145800000	1.00	150605772	150600000
Endosulfan II	10.0	1273882330	127400000	4.00	530664912	132700000	1.00	131234624	131200000
Endosulfan Sulfate	10.0	1077068280	107700000	4.00	443496255	110900000	1.00	118327721	118300000
Endrin	10.0	1390876410	139100000	4.00	548359194	137100000	1.00	135154249	135200000
Endrin Aldehyde	10.0	1011076380	101100000	4.00	419910178	105000000	1.00	113137232	113100000
Endrin Ketone	10.0	1200614270	120100000	4.00	489287724	122300000	1.00	127902210	127900000
Heptachlor	10.0	1798485500	179800000	4.00	717785708	179400000	1.00	186123123	186100000
Heptachlor Epoxide	10.0	1636379760	163600000	4.00	646164126	161500000	1.00	170856368	170900000
Methoxychlor	10.0	594938183	59490000	4.00	241728480	60430000	1.00	59214694.0	59210000
alpha-BHC	10.0	1928568370	192900000	4.00	724289288	181100000	1.00	171078073	171100000
alpha-Chlordane	10.0	1517693460	151800000	4.00	614912751	153700000	1.00	159044484	159000000
beta-BHC	10.0	791026419	79100000	4.00	318880724	79720000	1.00	79420315.0	79420000
delta-BHC	10.0	1823535850	182400000	4.00	673948585	168500000	1.00	155718921	155700000
gamma-BHC	10.0	1815436890	181500000	4.00	693647566	173400000	1.00	164496532	164500000
gamma-Chlordane	10.0	1627219760	162700000	4.00	647999104	162000000	1.00	165313433	165300000

INT_CAL - Modified 03/06/2008
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Microbac Laboratories Inc.
ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357037-07
Instrument ID: HP15 Run Time: 23:19 Method: 8081A
File ID: 15G25054.F Analyst: ECL QC Key: DOD4
ICal Workgroup: WG357037 Cal ID: HP15 - 18-FEB-11

Analyte		Expected	Found	Units	RF	%D	UCL	Q
4,4'-DDD		20.0	19.9	ug/L	116000000	0.700	20	
4,4'-DDE		20.0	19.9	ug/L	142000000	0.400	20	
4,4'-DDT		20.0	19.1	ug/L	112000000	4.70	20	
Aldrin		20.0	19.6	ug/L	152000000	1.80	20	
alpha-Chlordane		20.0	19.6	ug/L	148000000	2.20	20	
alpha-BHC		20.0	19.8	ug/L	191000000	0.900	20	
beta-BHC		20.0	19.5	ug/L	76500000	2.70	20	
delta-BHC		20.0	20.0	ug/L	180000000	0.100	20	
Dieldrin		20.0	20.5	ug/L	138000000	2.70	20	
Endosulfan I		20.0	20.0	ug/L	138000000	0.200	20	
Endosulfan II		20.0	19.3	ug/L	119000000	3.70	20	
Endosulfan Sulfate		20.0	19.2	ug/L	102000000	3.90	20	
Endrin		20.0	19.7	ug/L	132000000	1.70	20	
Endrin Aldehyde		20.0	18.7	ug/L	91900000	6.50	20	
Endrin Ketone		20.0	20.1	ug/L	118000000	0.600	20	
gamma-Chlordane		20.0	19.4	ug/L	156000000	3.20	20	
gamma-BHC		20.0	19.7	ug/L	176000000	1.40	20	
Heptachlor		20.0	19.8	ug/L	171000000	0.800	20	
Heptachlor Epoxide		20.0	19.4	ug/L	151000000	2.80	20	
Methoxychlor		20.0	19.9	ug/L	56700000	0.700	20	

* Exceeds %D Limit

ALT - Modified 09/06/2007
Version 1.5 PDF File ID: 1924794
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.
ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357037-07
Instrument ID: HP15 Run Time: 23:19 Method: 8081A
File ID: 15G25054.F Analyst: ECL QC Key: DOD4
ICal Workgroup: WG357037 Cal ID: HP15 - 18-FEB-11

Analyte		Expected	Found	Units	RF	%D	UCL	Q
4,4'-DDD		20.0	19.9	ug/L	116000000	0.700	20	
4,4'-DDE		20.0	19.9	ug/L	142000000	0.400	20	
4,4'-DDT		20.0	19.1	ug/L	112000000	4.70	20	
Aldrin		20.0	19.6	ug/L	152000000	1.80	20	
alpha-Chlordane		20.0	19.6	ug/L	148000000	2.20	20	
alpha-BHC		20.0	19.8	ug/L	191000000	0.900	20	
beta-BHC		20.0	19.5	ug/L	76500000	2.70	20	
delta-BHC		20.0	20.0	ug/L	180000000	0.100	20	
Dieldrin		20.0	20.5	ug/L	138000000	2.70	20	
Endosulfan I		20.0	20.0	ug/L	138000000	0.200	20	
Endosulfan II		20.0	19.3	ug/L	119000000	3.70	20	
Endosulfan Sulfate		20.0	19.2	ug/L	102000000	3.90	20	
Endrin		20.0	19.7	ug/L	132000000	1.70	20	
Endrin Aldehyde		20.0	18.7	ug/L	91900000	6.50	20	
Endrin Ketone		20.0	20.1	ug/L	118000000	0.600	20	
gamma-Chlordane		20.0	19.4	ug/L	156000000	3.20	20	
gamma-BHC		20.0	19.7	ug/L	176000000	1.40	20	
Heptachlor		20.0	19.8	ug/L	171000000	0.800	20	
Heptachlor Epoxide		20.0	19.4	ug/L	151000000	2.80	20	
Methoxychlor		20.0	19.9	ug/L	56700000	0.700	20	

* Exceeds %D Limit

ALT - Modified 09/06/2007
Version 1.5 PDF File ID: 1924794
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357038-03

Instrument ID: HP15 Run Time: 05:00 Method: 8081A

File ID: 15G25066.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357013 Cal ID: HP15 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
4,4'-DDD		20.0	18.9	ug/L	110000000	5.50	20	
4,4'-DDE		20.0	18.7	ug/L	134000000	6.30	20	
4,4'-DDT		20.0	17.5	ug/L	103000000	12.7	20	
Aldrin		20.0	18.8	ug/L	146000000	5.91	20	
alpha-Chlordane		20.0	17.9	ug/L	136000000	10.3	20	
alpha-BHC		20.0	18.9	ug/L	182000000	5.34	20	
beta-BHC		20.0	18.4	ug/L	72300000	8.07	20	
delta-BHC		20.0	19.1	ug/L	171000000	4.53	20	
Dieldrin		20.0	19.3	ug/L	129000000	3.73	20	
Endosulfan I		20.0	18.8	ug/L	129000000	6.20	20	
Endosulfan II		20.0	18.7	ug/L	115000000	6.50	20	
Endosulfan Sulfate		20.0	17.7	ug/L	94400000	11.4	20	
Endrin		20.0	18.5	ug/L	124000000	7.65	20	
Endrin Aldehyde		20.0	17.7	ug/L	86900000	11.6	20	
Endrin Ketone		20.0	18.0	ug/L	106000000	10.1	20	
gamma-Chlordane		20.0	18.1	ug/L	146000000	9.61	20	
gamma-BHC		20.0	18.7	ug/L	168000000	6.26	20	
Heptachlor		20.0	18.6	ug/L	160000000	7.23	20	
Heptachlor Epoxide		20.0	18.3	ug/L	142000000	8.53	20	
Methoxychlor		20.0	17.8	ug/L	50800000	11.1	20	
Toxaphene		NA		ug/L			20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357036-01

Instrument ID: HP15 Run Time: 05:28 Method: 8081A

File ID: 15G25067.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357013 Cal ID: HP15 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Toxaphene		500	429	ug/L	1630000	14.1	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357044-02

Instrument ID: HP15 Run Time: 12:00 Method: 8081A

File ID: 15G25080.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357013 Cal ID: HP15 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
4,4'-DDD		20.0	19.4	ug/L	113000000	3.25	20	
4,4'-DDE		20.0	19.3	ug/L	138000000	3.48	20	
4,4'-DDT		20.0	17.9	ug/L	105000000	10.6	20	
Aldrin		20.0	19.5	ug/L	151000000	2.34	20	
alpha-Chlordane		20.0	17.7	ug/L	134000000	11.5	20	
alpha-BHC		20.0	19.4	ug/L	186000000	3.20	20	
beta-BHC		20.0	18.8	ug/L	74000000	5.89	20	
delta-BHC		20.0	19.3	ug/L	174000000	3.27	20	
Dieldrin		20.0	17.8	ug/L	120000000	10.9	20	
Endosulfan I		20.0	18.4	ug/L	127000000	7.90	20	
Endosulfan II		20.0	18.5	ug/L	114000000	7.36	20	
Endosulfan Sulfate		20.0	17.8	ug/L	94900000	10.9	20	
Endrin		20.0	19.0	ug/L	127000000	5.13	20	
Endrin Aldehyde		20.0	18.0	ug/L	88200000	10.2	20	
Endrin Ketone		20.0	18.0	ug/L	106000000	10.1	20	
gamma-Chlordane		20.0	18.4	ug/L	149000000	7.77	20	
gamma-BHC		20.0	19.2	ug/L	171000000	4.24	20	
Heptachlor		20.0	19.1	ug/L	164000000	4.66	20	
Heptachlor Epoxide		20.0	18.8	ug/L	146000000	5.85	20	
Methoxychlor		20.0	17.5	ug/L	49900000	12.6	20	
Toxaphene		NA		ug/L			20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

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Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357045-01

Instrument ID: HP15 Run Time: 13:17 Method: 8081A

File ID: 15G25081.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357013 Cal ID: HP15 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Toxaphene		500	424	ug/L	1610000	15.2	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357044-03

Instrument ID: HP15 Run Time: 18:28 Method: 8081A

File ID: 15G25092.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357013 Cal ID: HP15 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
4,4'-DDD		10.0	9.07	ug/L	106000000	9.32	20	
4,4'-DDE		10.0	9.28	ug/L	132000000	7.23	20	
4,4'-DDT		10.0	8.74	ug/L	103000000	12.6	20	
Aldrin		10.0	9.52	ug/L	147000000	4.81	20	
alpha-Chlordane		10.0	8.46	ug/L	128000000	15.4	20	
alpha-BHC		10.0	9.10	ug/L	175000000	8.96	20	
beta-BHC		10.0	9.25	ug/L	72700000	7.49	20	
delta-BHC		10.0	9.16	ug/L	164000000	8.37	20	
Dieldrin		10.0	8.19	ug/L	110000000	18.1	20	
Endosulfan I		10.0	8.92	ug/L	123000000	10.8	20	
Endosulfan II		10.0	9.15	ug/L	113000000	8.50	20	
Endosulfan Sulfate		10.0	8.55	ug/L	91200000	14.5	20	
Endrin		10.0	9.03	ug/L	121000000	9.72	20	
Endrin Aldehyde		10.0	8.79	ug/L	86400000	12.1	20	
Endrin Ketone		10.0	8.61	ug/L	101000000	13.9	20	
gamma-Chlordane		10.0	8.79	ug/L	142000000	12.1	20	
gamma-BHC		10.0	9.30	ug/L	166000000	7.02	20	
Heptachlor		10.0	9.33	ug/L	161000000	6.70	20	
Heptachlor Epoxide		10.0	8.96	ug/L	139000000	10.4	20	
Methoxychlor		10.0	8.46	ug/L	48300000	15.4	20	
Toxaphene		NA		ug/L			20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

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Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357045-02

Instrument ID: HP15 Run Time: 18:56 Method: 8081A

File ID: 15G25093.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357013 Cal ID: HP15 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Toxaphene		200	179	ug/L	1630000	10.6	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357262-02

Instrument ID: HP15 Run Time: 13:24 Method: 8081A

File ID: 15G25176.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357023 Cal ID: HP15 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
4,4'-DDD		20.0	19.2	ug/L	112000000	4.01	20	
4,4'-DDE		20.0	19.7	ug/L	141000000	1.42	20	
4,4'-DDT		20.0	18.9	ug/L	111000000	5.50	20	
Aldrin		20.0	19.4	ug/L	150000000	2.91	20	
alpha-Chlordane		20.0	18.9	ug/L	143000000	5.47	20	
alpha-BHC		20.0	19.0	ug/L	183000000	4.83	20	
beta-BHC		20.0	18.4	ug/L	72400000	7.96	20	
delta-BHC		20.0	18.9	ug/L	170000000	5.48	20	
Dieldrin		20.0	20.4	ug/L	137000000	2.12	20	
Endosulfan I		20.0	19.5	ug/L	134000000	2.62	20	
Endosulfan II		20.0	19.2	ug/L	118000000	4.08	20	
Endosulfan Sulfate		20.0	18.5	ug/L	98400000	7.70	20	
Endrin		20.0	19.1	ug/L	128000000	4.49	20	
Endrin Aldehyde		20.0	18.6	ug/L	91500000	6.89	20	
Endrin Ketone		20.0	18.6	ug/L	110000000	6.91	20	
gamma-Chlordane		20.0	18.9	ug/L	153000000	5.27	20	
gamma-BHC		20.0	18.8	ug/L	168000000	5.85	20	
Heptachlor		20.0	18.9	ug/L	163000000	5.42	20	
Heptachlor Epoxide		20.0	18.9	ug/L	147000000	5.65	20	
Methoxychlor		20.0	18.8	ug/L	53800000	5.82	20	
Toxaphene		NA		ug/L			20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357263-01

Instrument ID: HP15 Run Time: 14:54 Method: 8081A

File ID: 15G25177.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357023 Cal ID: HP15 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Toxaphene		500	460	ug/L	1740000	8.09	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357262-03

Instrument ID: HP15 Run Time: 19:37 Method: 8081A

File ID: 15G25187.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357023 Cal ID: HP15 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
4,4'-DDD		10.0	9.43	ug/L	110000000	5.70	20	
4,4'-DDE		10.0	9.58	ug/L	136000000	4.25	20	
4,4'-DDT		10.0	9.36	ug/L	110000000	6.44	20	
Aldrin		10.0	9.54	ug/L	148000000	4.59	20	
alpha-Chlordane		10.0	9.36	ug/L	142000000	6.45	20	
alpha-BHC		10.0	9.09	ug/L	175000000	9.05	20	
beta-BHC		10.0	9.27	ug/L	72900000	7.31	20	
delta-BHC		10.0	9.03	ug/L	162000000	9.71	20	
Dieldrin		10.0	9.88	ug/L	133000000	1.16	20	
Endosulfan I		10.0	9.74	ug/L	134000000	2.64	20	
Endosulfan II		10.0	9.61	ug/L	118000000	3.87	20	
Endosulfan Sulfate		10.0	9.42	ug/L	100000000	5.77	20	
Endrin		10.0	9.40	ug/L	126000000	6.02	20	
Endrin Aldehyde		10.0	9.68	ug/L	95100000	3.23	20	
Endrin Ketone		10.0	9.50	ug/L	112000000	4.97	20	
gamma-Chlordane		10.0	9.34	ug/L	151000000	6.55	20	
gamma-BHC		10.0	9.18	ug/L	164000000	8.21	20	
Heptachlor		10.0	9.43	ug/L	162000000	5.72	20	
Heptachlor Epoxide		10.0	9.51	ug/L	148000000	4.93	20	
Methoxychlor		10.0	9.73	ug/L	55600000	2.69	20	
Toxaphene		NA		ug/L			20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357263-02

Instrument ID: HP15 Run Time: 20:06 Method: 8081A

File ID: 15G25188.F Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357023 Cal ID: HP15 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Toxaphene		200	178	ug/L	1700000	11.0	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924795

Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

ENDRIN/4,4'-DDT BREAKDOWN (BRKDWN)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357038-01
Instrument ID: HP15 Run Time: 14:48 Method: 8081
File ID: 15G25040.F Analyst: ECL Column ID: FRONT

DDT BREAKDOWN

Analyte	Response
4,4'-DDD	201189959
4,4'-DDE	108677236
4,4'-DDT	6020909884

DDT % BREAKDOWN: 4.89

ENDRIN BREAKDOWN

Analyte	Response
ENDRIN	6997125236
ENDRIN ALDEHYDE	0
ENDRIN KETONE	95779535

ENDRIN % BREAKDOWN: 1.35

* Exceeds 15% Criteria

Report Name: BRKDWN
PDF File ID: 1924792
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

ENDRIN/4,4'-DDT BREAKDOWN (BRKDWN)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357038-02
Instrument ID: HP15 Run Time: 04:31 Method: 8081
File ID: 15G25065.F Analyst: ECL Column ID: FRONT

DDT BREAKDOWN

Analyte	Response
4,4'-DDD	208124108
4,4'-DDE	122522623
4,4'-DDT	4717698560

DDT % BREAKDOWN: 6.55

ENDRIN BREAKDOWN

Analyte	Response
ENDRIN	5844319602
ENDRIN ALDEHYDE	0
ENDRIN KETONE	110867229

ENDRIN % BREAKDOWN: 1.86

* Exceeds 15% Criteria

Report Name: BRKDWN
PDF File ID: 1924792
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

ENDRIN/4,4'-DDT BREAKDOWN (BRKDWN)

Login Number: L11020447 Run Date: 02/19/2011 Sample ID: WG357044-01
Instrument ID: HP15 Run Time: 11:32 Method: 8081
File ID: 15G25079.F Analyst: ECL Column ID: FRONT

DDT BREAKDOWN

Analyte	Response
4,4'-DDD	281430193
4,4'-DDE	203294288
4,4'-DDT	5518097624

DDT % BREAKDOWN: 8.07

ENDRIN BREAKDOWN

Analyte	Response
ENDRIN	6826165403
ENDRIN ALDEHYDE	0
ENDRIN KETONE	109316648

ENDRIN % BREAKDOWN: 1.58

* Exceeds 15% Criteria

Report Name: BRKDWN
PDF File ID: 1924792
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

ENDRIN/4,4'-DDT BREAKDOWN (BRKDWN)

Login Number: L11020447 Run Date: 02/20/2011 Sample ID: WG357044-04
Instrument ID: HP15 Run Time: 00:08 Method: 8081
File ID: 15G25104.F Analyst: ECL Column ID: FRONT

DDT BREAKDOWN	
Analyte	Response
4,4'-DDD	298432769
4,4'-DDE	231022824
4,4'-DDT	5184574584

DDT % BREAKDOWN: 9.27

ENDRIN BREAKDOWN	
Analyte	Response
ENDRIN	6510294826
ENDRIN ALDEHYDE	0
ENDRIN KETONE	113539752

ENDRIN % BREAKDOWN: 1.71

* Exceeds 15% Criteria

Report Name: BRKDWN
PDF File ID: 1924792
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

ENDRIN/4,4'-DDT BREAKDOWN (BRKDWN)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357262-01
Instrument ID: HP15 Run Time: 12:56 Method: 8081
File ID: 15G25175.F Analyst: ECL Column ID: FRONT

DDT BREAKDOWN

Analyte	Response
4,4'-DDD	109736663
4,4'-DDE	97570294
4,4'-DDT	5387587656

DDT % BREAKDOWN: 3.71

ENDRIN BREAKDOWN

Analyte	Response
ENDRIN	6296950947
ENDRIN ALDEHYDE	0
ENDRIN KETONE	124420556

ENDRIN % BREAKDOWN: 1.94

* Exceeds 15% Criteria

Report Name: BRKDWN
PDF File ID: 1924792
Report generated 02/23/2011 16:00

Microbac Laboratories Inc.

ENDRIN/4,4'-DDT BREAKDOWN (BRKDWN)

Login Number: L11020447 Run Date: 02/23/2011 Sample ID: WG357262-05
Instrument ID: HP15 Run Time: 10:43 Method: 8081
File ID: 15G25219.F Analyst: ECL Column ID: FRONT

DDT BREAKDOWN

Analyte	Response
4,4'-DDD	137693735
4,4'-DDE	172213949
4,4'-DDT	4977267066

DDT % BREAKDOWN: 5.86

ENDRIN BREAKDOWN

Analyte	Response
ENDRIN	5863759659
ENDRIN ALDEHYDE	0
ENDRIN KETONE	118486185

ENDRIN % BREAKDOWN: 1.98

* Exceeds 15% Criteria

Report Name: BRKDWN
PDF File ID: 1924792
Report generated 02/23/2011 16:00

2.1.2.3 Sample Data

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25181.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 16:47 (#1); 22 Feb 2011 17:16 (#2)
Operator : ECL
Sample : L11020447-01 REF
Misc : 7,1 SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:38 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1595.0E6	1239.7E6	12.283	12.844
	Spiked Amount	20.000	Range 29 - 133		Recovery =	61.41%	64.22%
22) S	Decachlorobiphen	18.55	18.86	999.0E6	704.4E6	11.234	11.000
	Spiked Amount	20.000	Range 30 - 173		Recovery =	56.17%	55.00%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

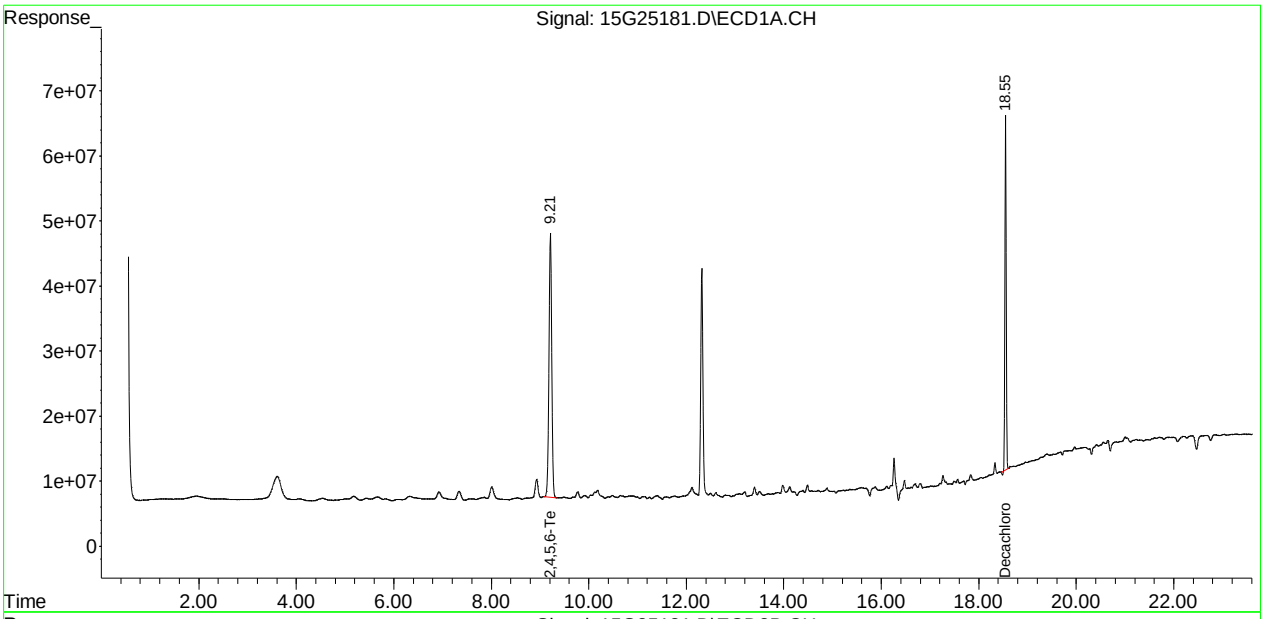
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

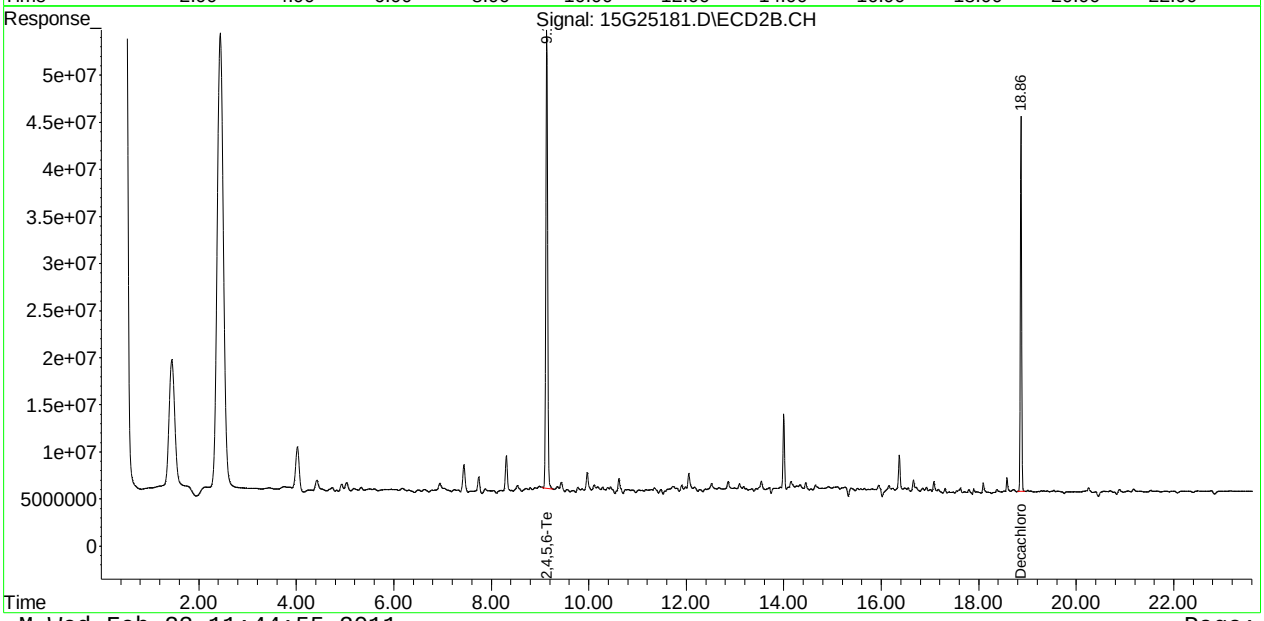
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25181.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 16:47 (#1); 22 Feb 2011 17:16 (#2)
Operator : ECL
Sample : L11020447-01 REF
Misc : 7,1 SOIL
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:38 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25184.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 18:12 (#1); 22 Feb 2011 18:41 (#2)
Operator : ECL
Sample : L11020447-02
Misc : 7,1 SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:40:00 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.21	9.14	1475.8E6	1123.6E6	11.366	11.641	
	Spiked Amount	20.000	Range 29 - 133		Recovery =	56.83%	58.20%	
22) S	Decachlorobiphen	18.55	18.86	881.8E6	602.6E6	9.916	9.410	
	Spiked Amount	20.000	Range 30 - 173		Recovery =	49.58%	47.05%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.	
12)	4,4'-DDE	14.38	0.00	99768553	0	0.700	N.D.	#
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.	
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

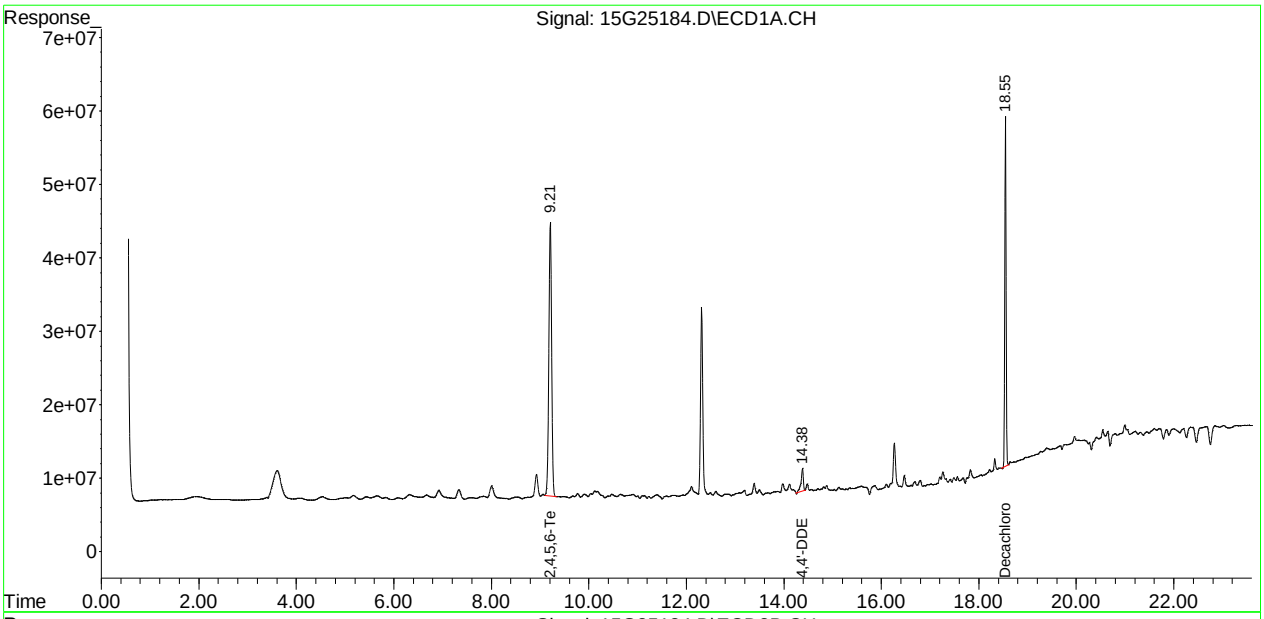
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

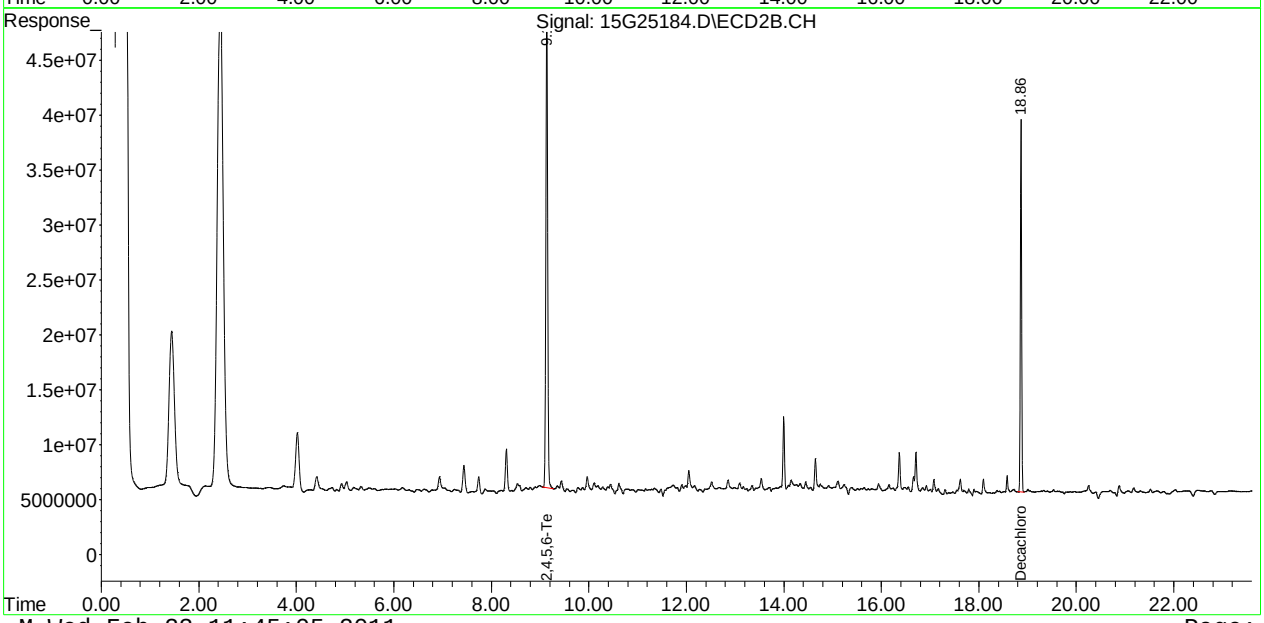
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25184.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 18:12 (#1); 22 Feb 2011 18:41 (#2)
Operator : ECL
Sample : L11020447-02
Misc : 7,1 SOIL
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:40:00 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25182.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 17:16 (#1); 22 Feb 2011 17:44 (#2)
Operator : ECL
Sample : L11020447-03 MS
Misc : 7,1 SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:46 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

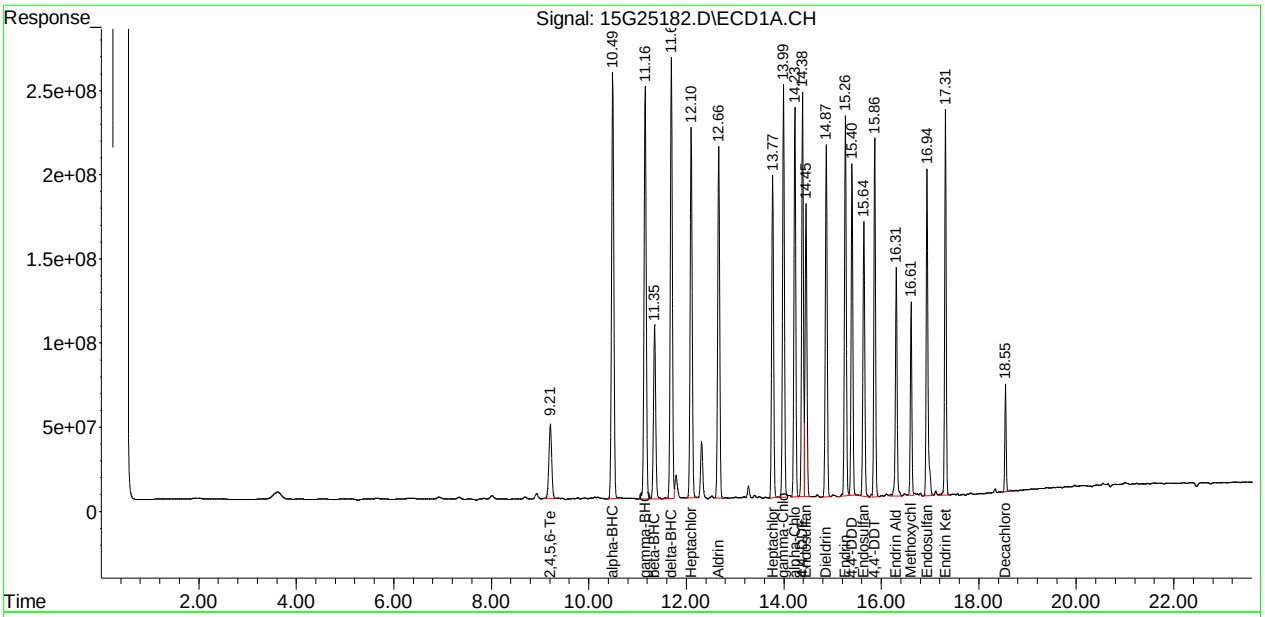
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1743.6E6	1329.3E6	13.428	13.773
	Spiked Amount	20.000	Range 29 - 133		Recovery =	67.14%	68.86%
22) S	Decachlorobiphen	18.55	18.86	1175.4E6	827.0E6	13.217	12.915
	Spiked Amount	20.000	Range 30 - 173		Recovery =	66.09%	64.57%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	8073.4E6	6096.7E6	41.920	43.498
3)	gamma-BHC	11.16	11.23	7542.8E6	5833.5E6	42.188	43.115
4)	beta-BHC	11.35	11.41	3170.5E6	2358.6E6	40.326	39.607
5)	Heptachlor	12.10	12.08	6301.5E6	5253.1E6	36.577	41.019
6)	delta-BHC	11.69	11.98	7591.2E6	5884.6E6	42.288	42.756
7)	Aldrin	12.66	12.69	5924.6E6	4797.5E6	38.268	38.508
8)	Heptachlor Epoxi	13.77	13.74	5234.8E6	4055.1E6	33.641	39.162
9)	gamma-Chlordane	13.99	14.08	6404.5E6	4769.9E6	39.613	40.643
10)	alpha-Chlordane	14.23	14.34	5890.0E6	4629.8E6	38.902	40.654
11)	Endosulfan I	14.45	14.43	4548.8E6	3422.8E6	33.022	36.491
12)	4,4'-DDE	14.38	14.65	5946.2E6	4505.8E6	41.717	41.783
13)	Dieldrin	14.87	14.91	5569.2E6	4735.2E6	41.488	42.663
14)	Endrin	15.26	15.44	5863.5E6	4374.0E6	43.797	47.227
15)	4,4'-DDD	15.40	15.64	4748.0E6	3721.9E6	40.738	42.461
16)	Endosulfan II	15.64	15.80	4270.8E6	3303.1E6	34.678	34.973
17)	4,4'-DDT	15.86	16.15	4961.7E6	3685.8E6	42.185	41.782
18)	Endrin Aldehyde	16.31	16.33	3319.6E6	2344.6E6	33.781	33.672
19)	Endosulfan Sulfa	16.94	16.74	4786.9E6	3270.4E6	44.902	39.218
20)	Methoxychlor	16.61	17.13	2399.1E6	2177.0E6	42.023	51.484
21)	Endrin Ketone	17.32	17.45	4901.6E6	3517.8E6	41.626	40.745

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25182.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 17:16 (#1); 22 Feb 2011 17:44 (#2)
Operator : ECL
Sample : L11020447-03 MS
Misc : 7,1 SOIL
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:46 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25183.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 17:44 (#1); 22 Feb 2011 18:12 (#2)
Operator : ECL
Sample : L11020447-04 MSD
Misc : 7,1 SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1660.4E6	1292.6E6	12.787	13.393
	Spiked Amount	20.000	Range 29 - 133		Recovery =	63.94%	66.97%
22) S	Decachlorobiphen	18.55	18.86	1121.2E6	786.7E6	12.608	12.286
	Spiked Amount	20.000	Range 30 - 173		Recovery =	63.04%	61.43%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	8099.4E6	6127.4E6	42.055	43.718
3)	gamma-BHC	11.16	11.23	7570.9E6	5927.7E6	42.345	43.811
4)	beta-BHC	11.35	11.41	3217.7E6	2406.4E6	40.926	40.411
5)	Heptachlor	12.10	12.08	6684.3E6	5406.0E6	38.800	42.213
6)	delta-BHC	11.69	11.98	7614.3E6	5942.3E6	42.416	43.175
7)	Aldrin	12.66	12.69	6154.6E6	5041.9E6	39.753	40.470
8)	Heptachlor Epoxi	13.77	13.74	5641.7E6	4053.7E6	36.257	39.148
9)	gamma-Chlordane	13.99	14.08	6510.0E6	4897.4E6	40.265	41.730
10)	alpha-Chlordane	14.23	14.34	6078.6E6	4763.9E6	40.147	41.832
11)	Endosulfan I	14.45	14.43	4608.5E6	3379.4E6	33.455	36.029
12)	4,4'-DDE	14.38	14.65	6164.7E6	4712.0E6	43.250	43.695
13)	Dieldrin	14.87	14.91	5871.4E6	4799.0E6	43.739	43.237
14)	Endrin	15.26	15.44	5881.8E6	4343.2E6	43.933	46.894
15)	4,4'-DDD	15.40	15.64	4885.6E6	3828.8E6	41.919	43.680
16)	Endosulfan II	15.64	15.80	4316.5E6	3330.7E6	35.050	35.265
17)	4,4'-DDT	15.86	16.15	5144.8E6	3857.4E6	43.741	43.727
18)	Endrin Aldehyde	16.31	16.33	3352.7E6	2289.8E6	34.118	32.885
19)	Endosulfan Sulfa	16.94	16.74	4785.3E6	3325.6E6	44.888	39.879
20)	Methoxychlor	16.61	17.13	2490.1E6	2215.6E6	43.618	52.397
21)	Endrin Ketone	17.32	17.45	4911.0E6	3522.6E6	41.706	40.800

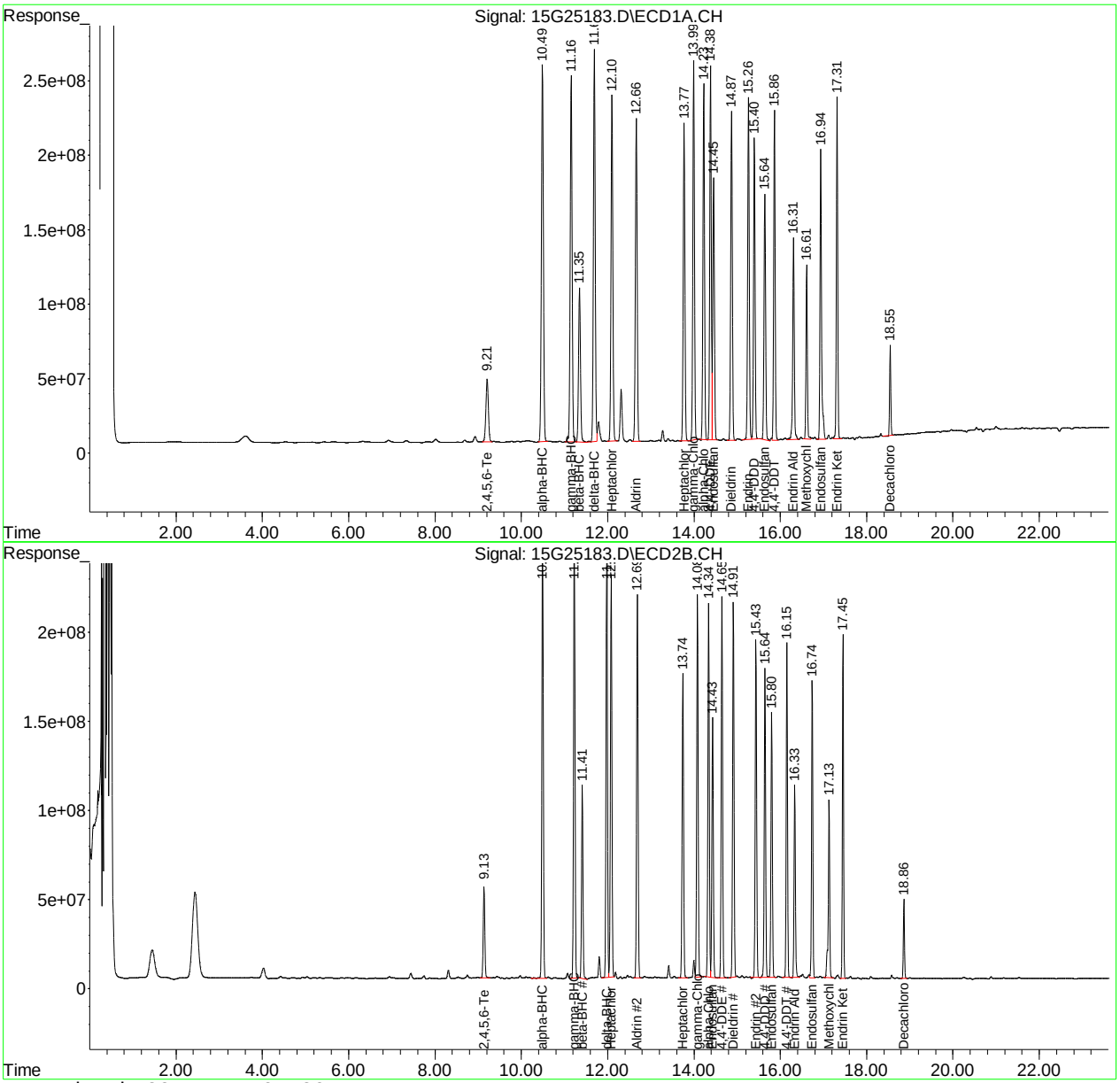
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25183.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 17:44 (#1); 22 Feb 2011 18:12 (#2)
Operator : ECL
Sample : L11020447-04 MSD
Misc : 7,1 SOIL
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:53 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021911\
Data File : 15G25086.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 15:38 (#1); 19 Feb 2011 16:07 (#2)
Operator : ECL
Sample : L11020447-05
Misc : 1,1 WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:19:12 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.21	9.13	1935.7E6	1431.0E6	14.907	14.826	
	Spiked Amount 20.000	Range 29 - 133		Recovery =		74.53%	74.13%	
22) S	Decachlorobiphen	18.55	18.86	1089.6E6	765.6E6	12.252	11.957	
	Spiked Amount 20.000	Range 30 - 173		Recovery =		61.26%	59.78%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	13.98f	0.00	98184253	0	0.607	N.D.	#
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	14.48	0.00	53898141	0	0.391	N.D.	#
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.	
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

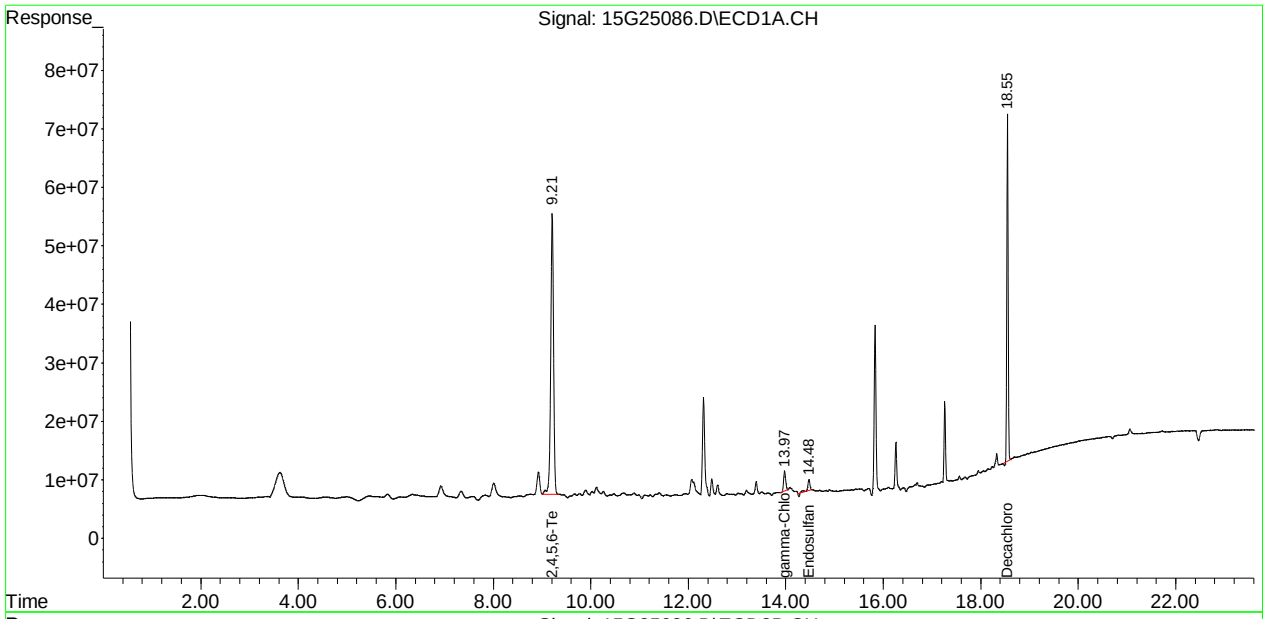
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

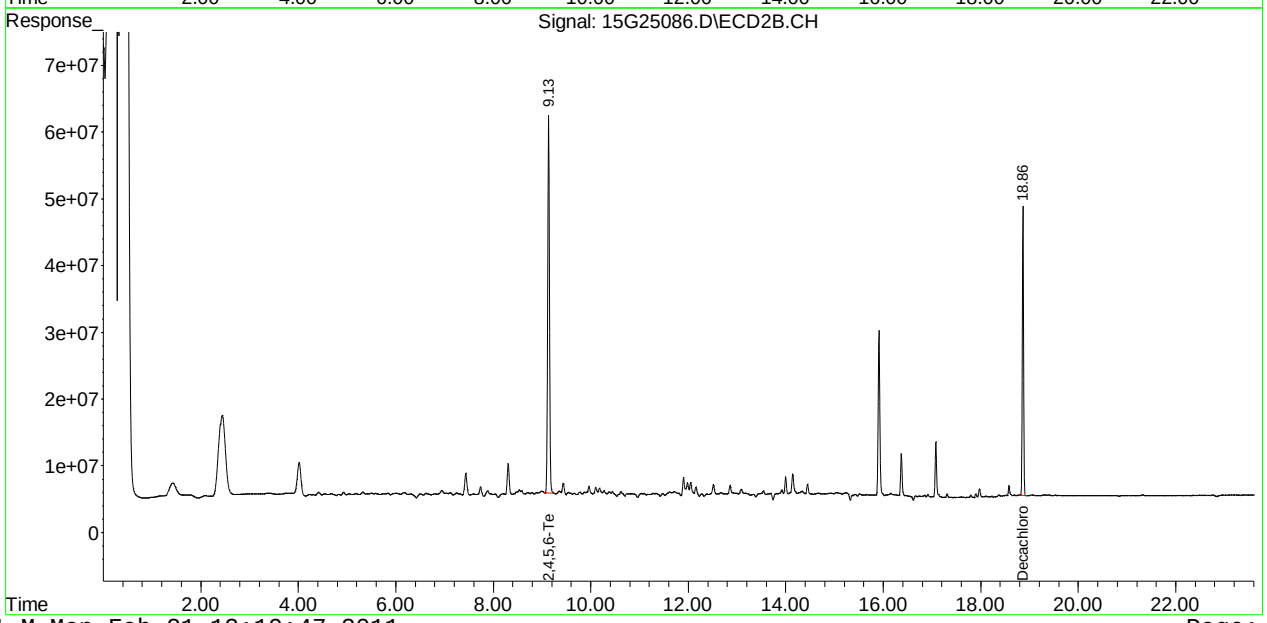
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021911\
Data File : 15G25086.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 15:38 (#1); 19 Feb 2011 16:07 (#2)
Operator : ECL
Sample : L11020447-05
Misc : 1,1 WATER
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:19:12 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25185.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 18:41 (#1); 22 Feb 2011 19:09 (#2)
Operator : ECL
Sample : L11020447-06
Misc : 7,1 SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:40:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1466.4E6	1123.1E6	11.293	11.636
	Spiked Amount	20.000	Range 29 - 133		Recovery =	56.46%	58.18%
22) S	Decachlorobiphen	18.55	18.86	972.0E6	697.5E6	10.929	10.893
	Spiked Amount	20.000	Range 30 - 173		Recovery =	54.64%	54.47%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

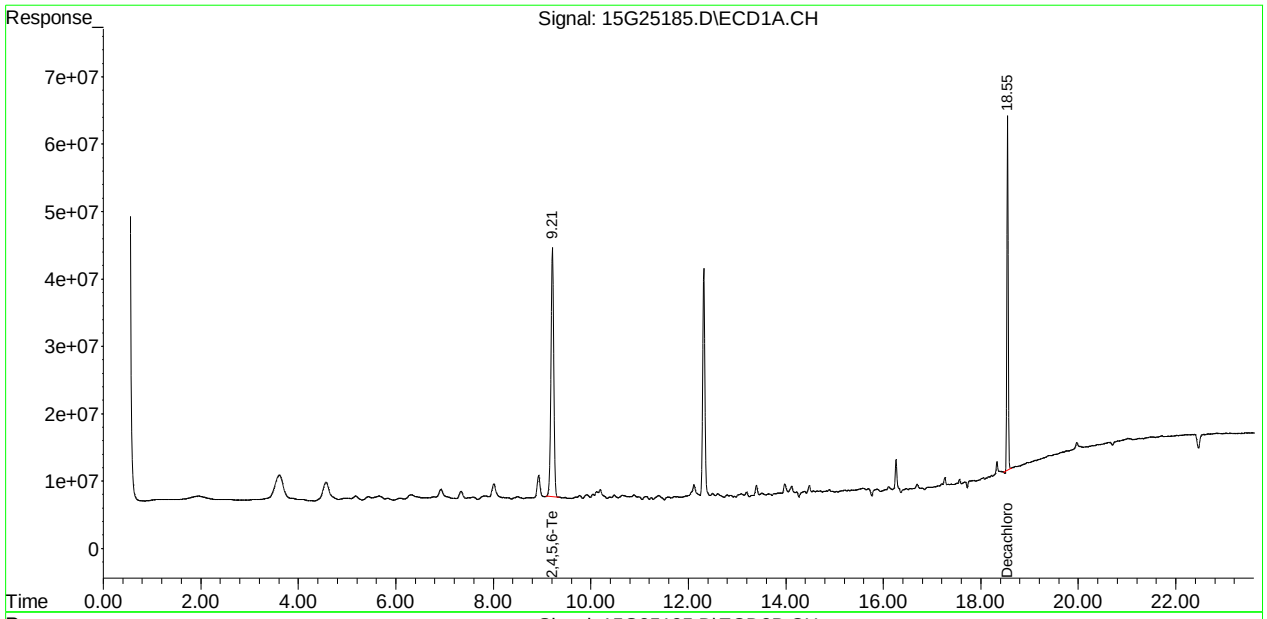
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

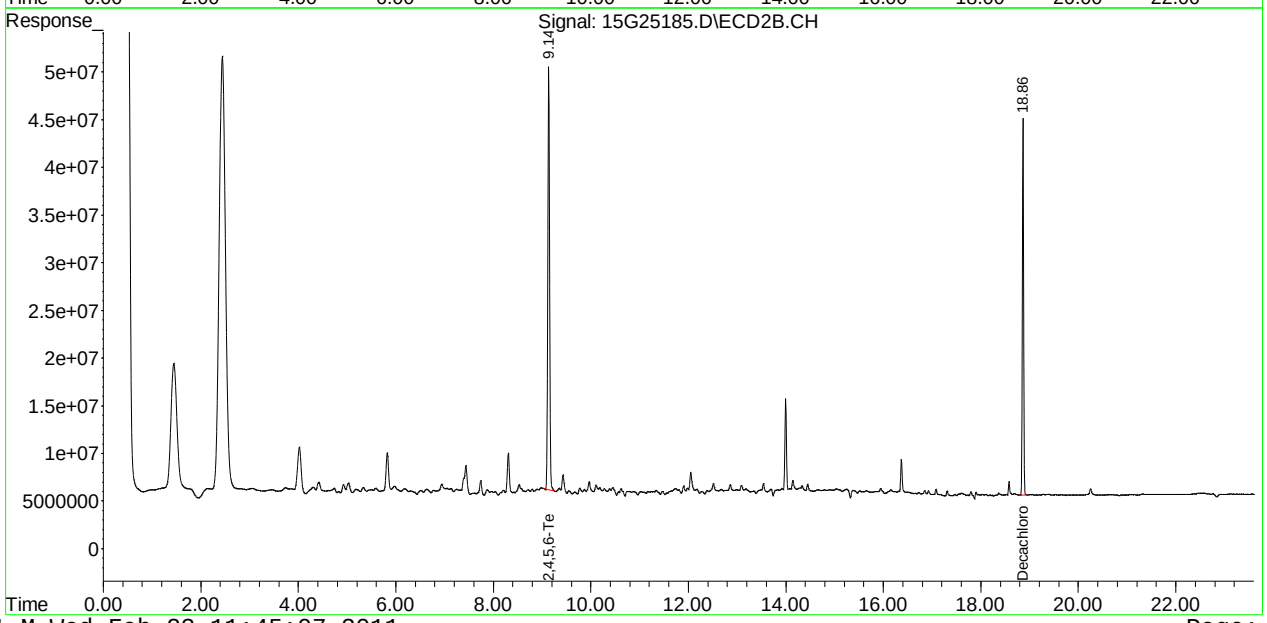
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25185.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 18:41 (#1); 22 Feb 2011 19:09 (#2)
Operator : ECL
Sample : L11020447-06
Misc : 7,1 SOIL
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:40:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25186.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 19:09 (#1); 22 Feb 2011 19:37 (#2)
Operator : ECL
Sample : L11020447-07
Misc : 7,1 SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:40:13 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1425.8E6	1085.4E6	10.980	11.245
	Spiked Amount	20.000	Range 30 - 132		Recovery =	54.90%	56.22%
22) S	Decachlorobiphen	18.55	18.86	971.0E6	692.5E6	10.919	10.814
	Spiked Amount	20.000	Range 36 - 144		Recovery =	54.60%	54.07%
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.

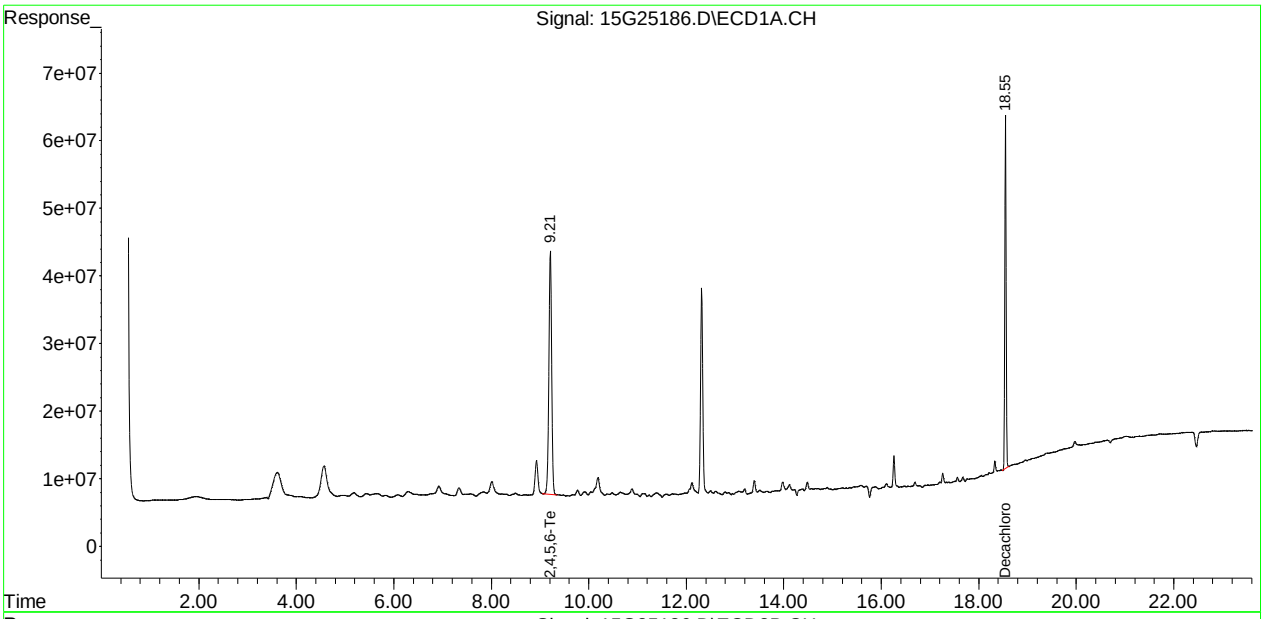
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

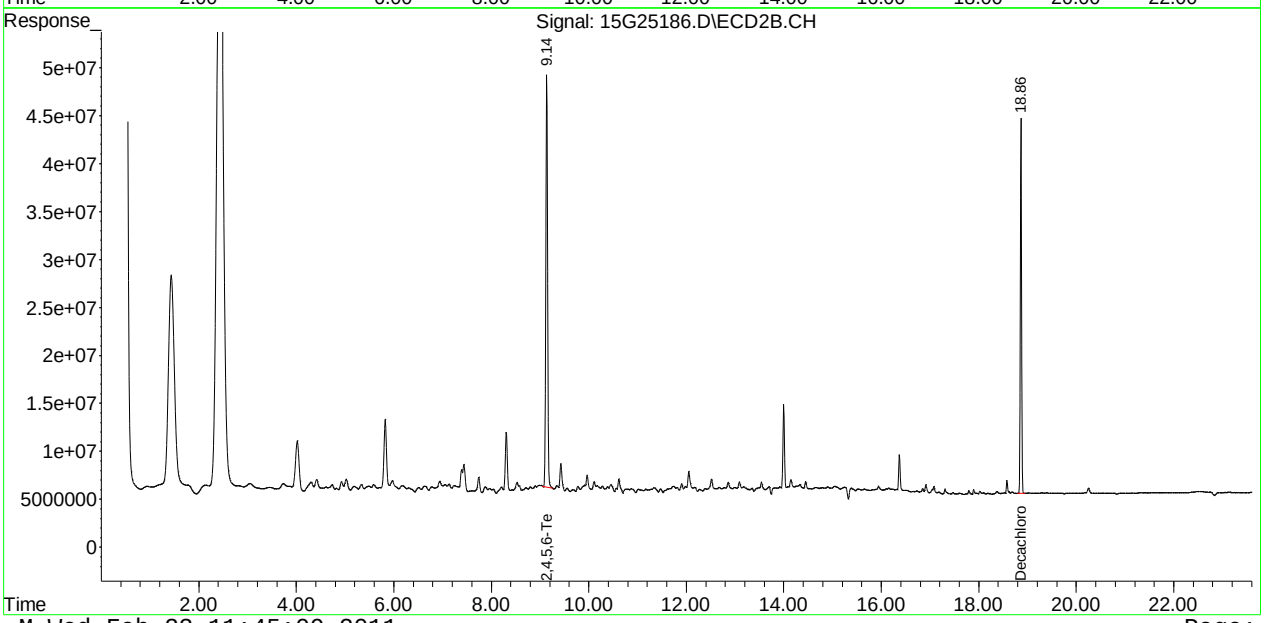
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25186.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 19:09 (#1); 22 Feb 2011 19:37 (#2)
Operator : ECL
Sample : L11020447-07
Misc : 7,1 SOIL
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:40:13 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2.1.2.4 Standards Data

Quantitation Report (QT Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 17:39 (#1); 18 Feb 2011 18:07 (#2)
Operator : ECL
Sample : WG357035-01 TOX ICAL 2000 PPB
Misc : 1,1 STD43915
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:45:21 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:00 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

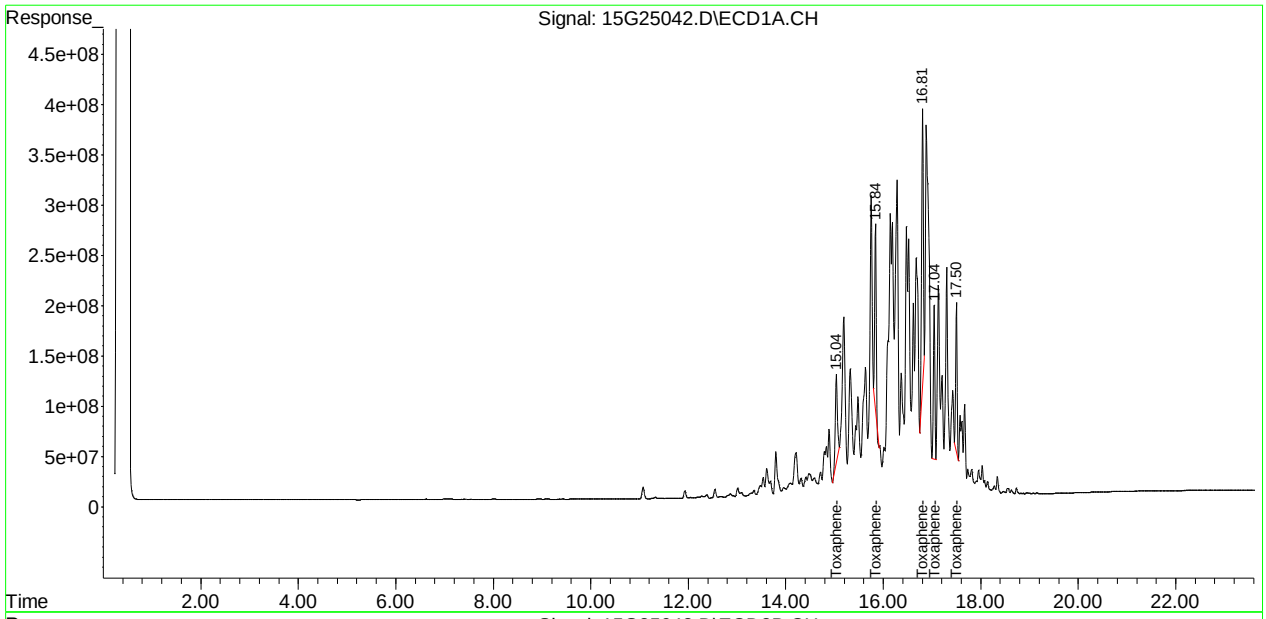
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.88	2649.5E6	2054.8E6	2148.602	1951.591
2)	L1 Toxaphene-2	15.84	15.94	3808.2E6	6404.3E6	2071.008	1992.766
3)	L1 Toxaphene-3	16.81	16.73	6825.4E6	1988.7E6	2079.119m	2044.988
4)	L1 Toxaphene-4	17.04	17.07	3211.6E6	4523.6E6	2171.403	2031.588
5)	L1 Toxaphene-5	17.50	17.58	3019.1E6	1762.8E6	2179.577	2081.032
	Sum Toxaphene-1			19513.8E6	16734.2E6	10649.710	10101.964
Average	Toxaphene-1					2129.942	2020.393

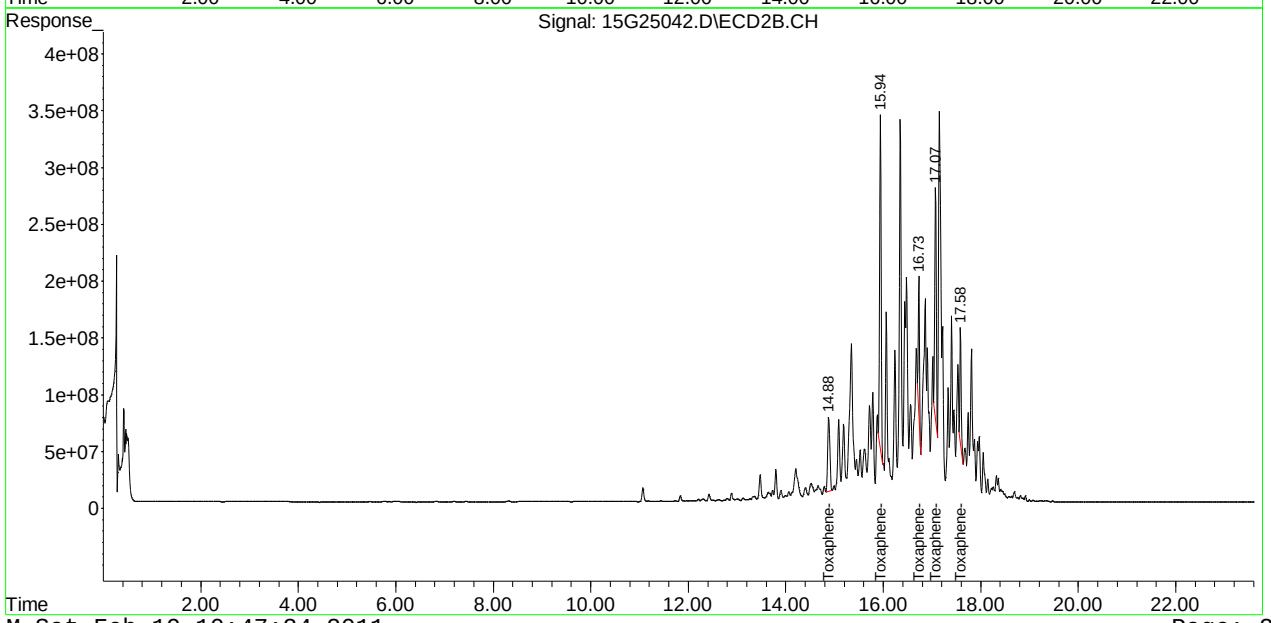
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 17:39 (#1); 18 Feb 2011 18:07 (#2)
Operator : ECL
Sample : WG357035-01 TOX ICAL 2000 PPB
Misc : 1,1 STD43915
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:45:21 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:00 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



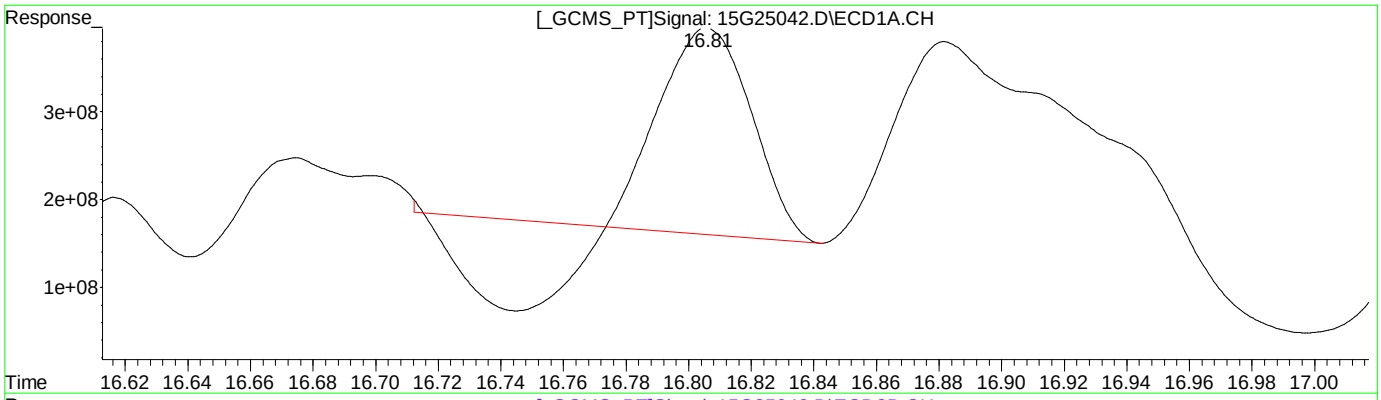


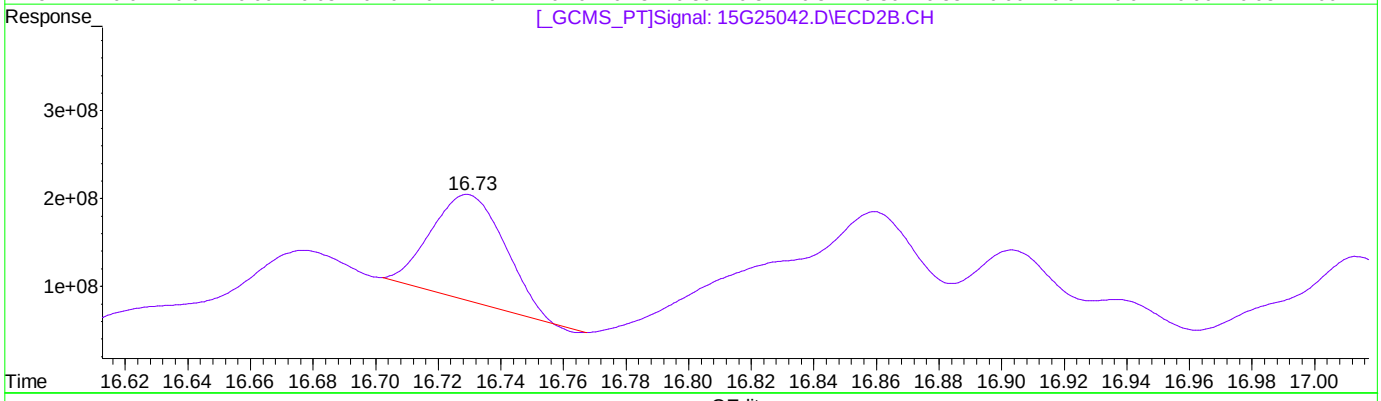
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 18 Feb 2011 17:39 (#1); 18 Feb 2011 18:07 (#2)
Operator : ECL
Sample   : WG357035-01 TOX ICAL 2000 PPB
Misc   : 1,1 STD43915
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:45:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:00 2011
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :





QEdit

(3) Toxaphene-3 (L1)

R.T.	Response	Conc
16.81	2908516681	885.98
17.04	3211627031	2171.40
17.50	3019075484	2179.58

(3) Toxaphene-3 #2 (L1)

R.T.	Response	Conc
16.73	1988673787	2044.99
17.07	4523621514	2031.59
17.58	1762775633	2081.03

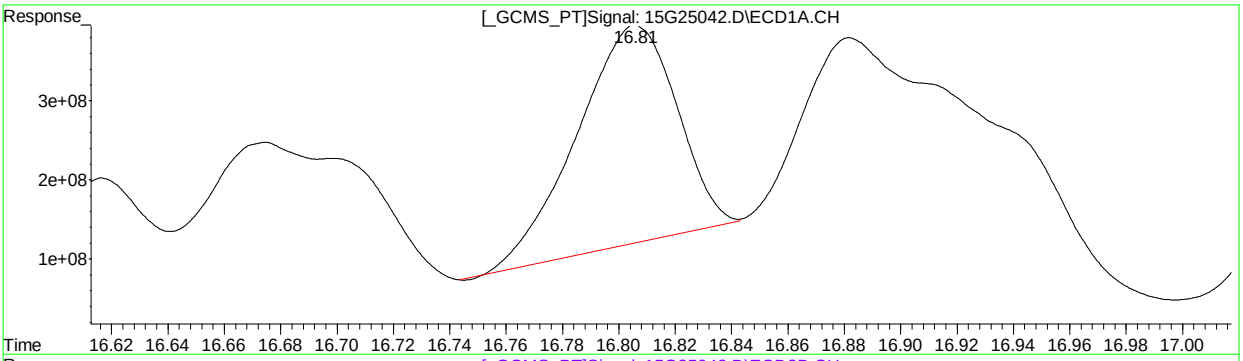
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25042.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 18 Feb 2011 17:39 (#1); 18 Feb 2011 18:07 (#2)
Operator : ECL
Sample   : WG357035-01 TOX ICAL 2000 PPB
Misc   : 1,1 STD43915
ALS Vial : 3   Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:45:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:00 2011
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :



(3) Toxaphene-3 #2 (L1)

R.T.	Response	Conc
16.81	6825382007	2079.12
17.04	3211627031	2171.40
17.50	3019075484	2179.58

(3) Toxaphene-3 #2 (L1)

R.T.	Response	Conc
16.73	1988673787	2044.99
17.07	4523621514	2031.59
17.58	1762775633	2081.03

(+) = Expected Retention Time

Approved: February 19, 2011	Supervisor: February 21, 2011
Reason #4: System Establishes Incorrect Baseline	
Eric C. Zimmerman	Cassie L. Augenstein

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 18:07 (#1); 18 Feb 2011 18:36 (#2)
Operator : ECL
Sample : WG357035-02 TOX ICAL 1000 PPB
Misc : 1,1 STD43915
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:45:02 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:00 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.88	1262.2E6	1053.0E6	1023.583	1000.119
2)	L1 Toxaphene-2	15.84	15.94	1890.8E6	3293.4E6	1028.285	1024.772
3)	L1 Toxaphene-3	16.80	16.73	3448.1E6	1017.1E6	1050.351	1045.907
4)	L1 Toxaphene-4	17.04	17.07	1550.6E6	2249.5E6	1048.342	1010.283
5)	L1 Toxaphene-5	17.50	17.58	1458.1E6	882.0E6	1052.646	1041.207
	Sum Toxaphene-1			9609.8E6	8495.0E6	5203.207	5122.289
Average	Toxaphene-1					1040.641	1024.458

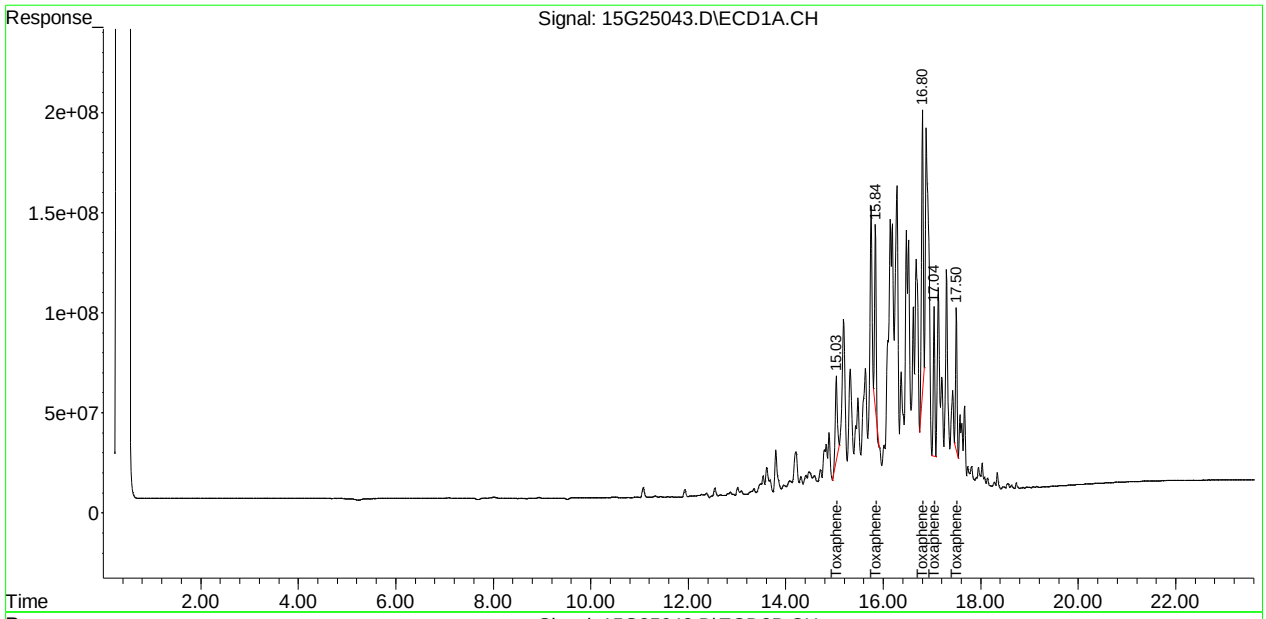
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

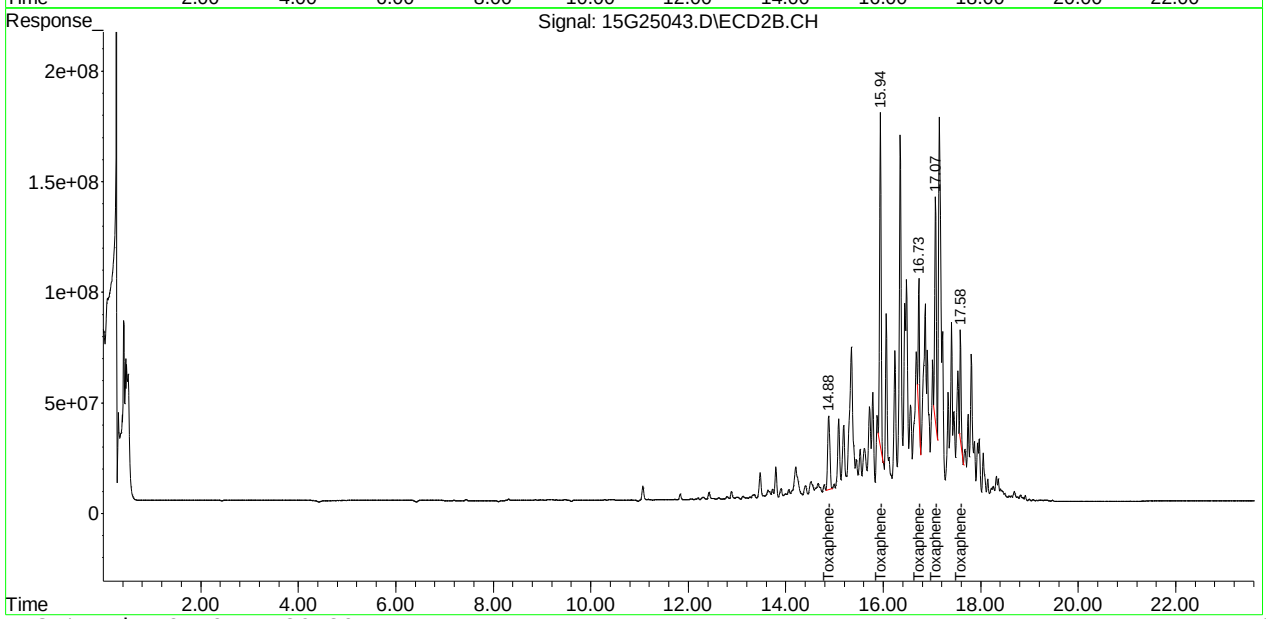
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25043.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 18:07 (#1); 18 Feb 2011 18:36 (#2)
Operator : ECL
Sample : WG357035-02 TOX ICAL 1000 PPB
Misc : 1,1 STD43915
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:45:02 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:00 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 18:36 (#1); 18 Feb 2011 19:04 (#2)
Operator : ECL
Sample : WG357035-03 TOX ICAL 500 PPB
Misc : 1,1 STD43915
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:44:38 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:44:36 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.88	644.6E6	548.6E6	535.929	542.269
2)	L1 Toxaphene-2	15.84	15.94	966.4E6	1692.2E6	543.633	544.099
3)	L1 Toxaphene-3	16.80	16.73	1672.1E6	513.2E6	522.828	549.395
4)	L1 Toxaphene-4	17.04	17.07	768.9E6	1154.0E6	530.792	535.204
5)	L1 Toxaphene-5	17.50	17.58	712.5E6	445.6E6	518.131	545.528
	Sum Toxaphene-1			4764.5E6	4353.5E6	2651.313	2716.495
Average	Toxaphene-1					530.263	543.299

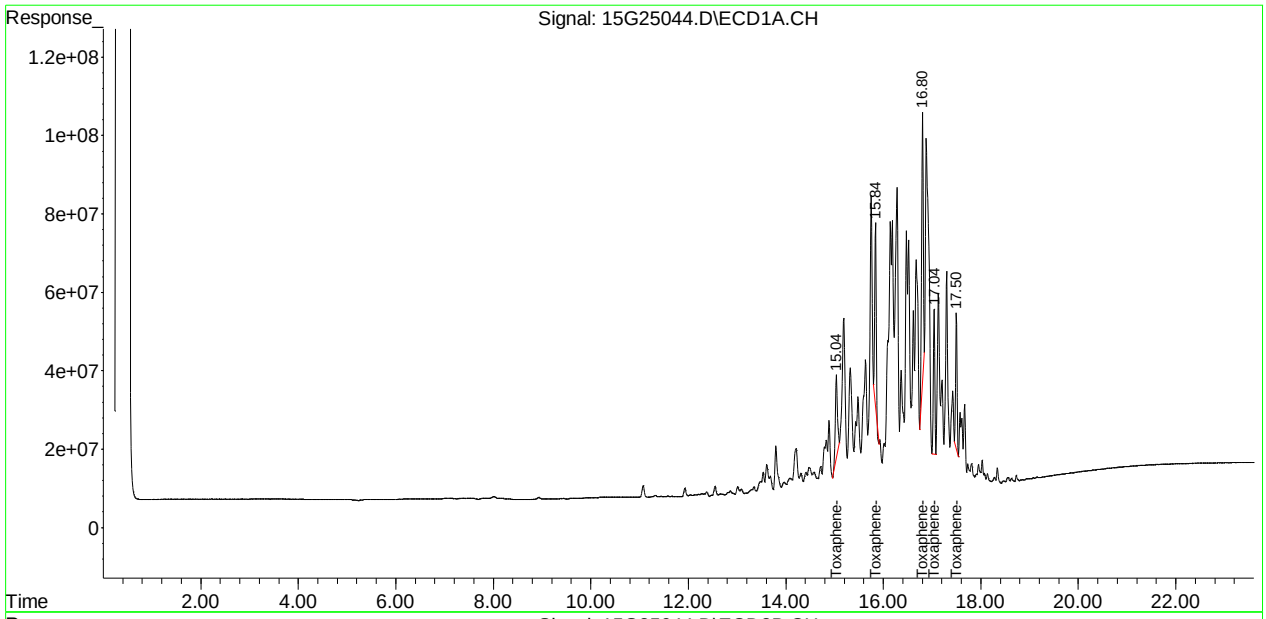
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

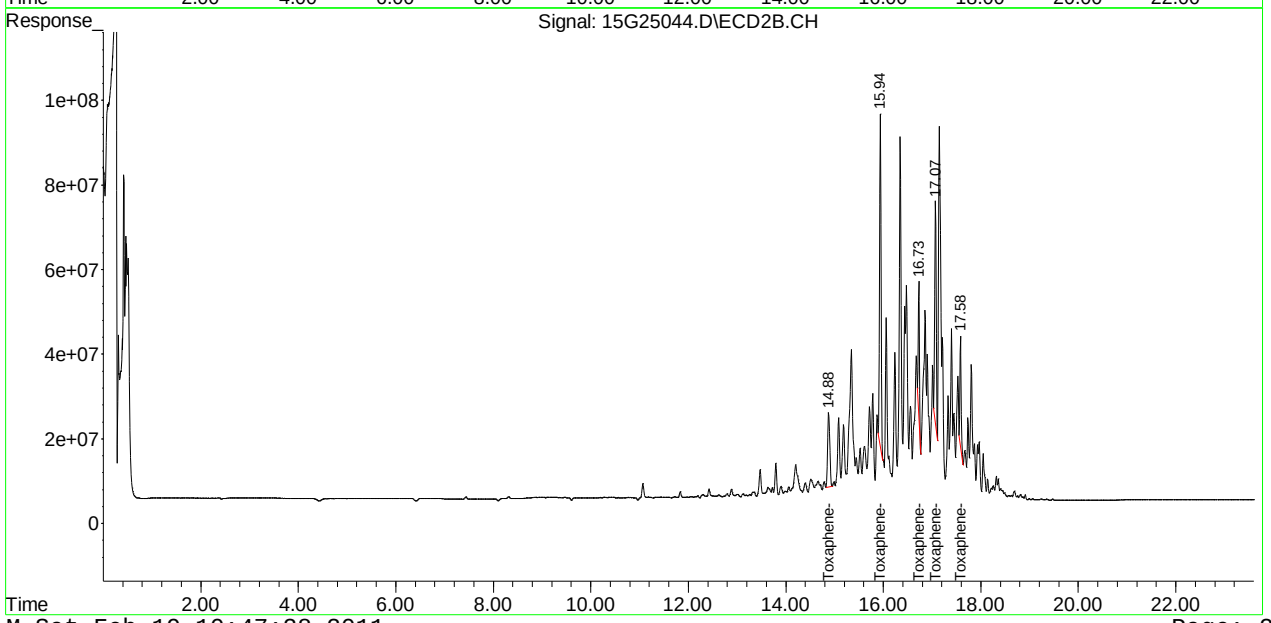
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25044.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 18:36 (#1); 18 Feb 2011 19:04 (#2)
Operator : ECL
Sample : WG357035-03 TOX ICAL 500 PPB
Misc : 1,1 STD43915
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:44:38 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:44:36 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 19:04 (#1); 18 Feb 2011 19:33 (#2)
Operator : ECL
Sample : WG357035-04 TOX ICAL 200 PPB
Misc : 1,1 STD43915
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:44:45 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:44:36 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.88	247.4E6	223.3E6	205.679	220.698
2)	L1 Toxaphene-2	15.84	15.94	368.1E6	662.2E6	207.063	212.916
3)	L1 Toxaphene-3	16.81	16.73	661.7E6	198.7E6	206.910	212.730
4)	L1 Toxaphene-4	17.04	17.07	289.0E6	467.9E6	199.533	216.991
5)	L1 Toxaphene-5	17.50	17.58	263.3E6	171.5E6	191.485	209.964
	Sum Toxaphene-1			1829.6E6	1723.5E6	1010.669	1073.300
Average	Toxaphene-1					202.134	214.660

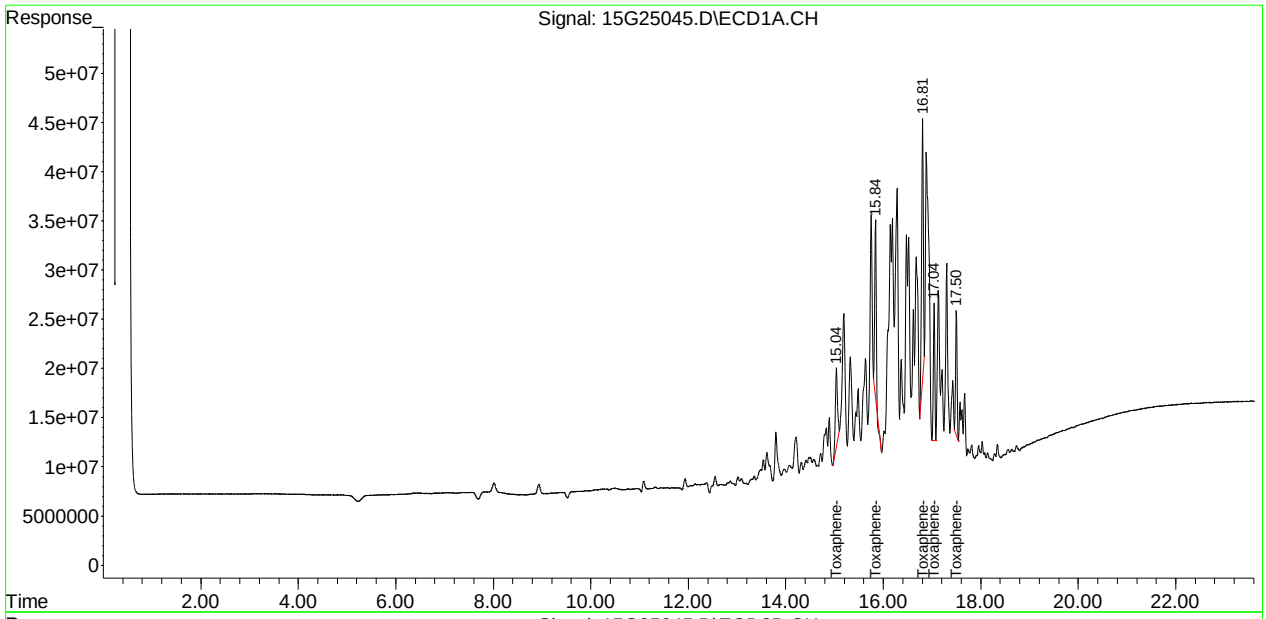
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

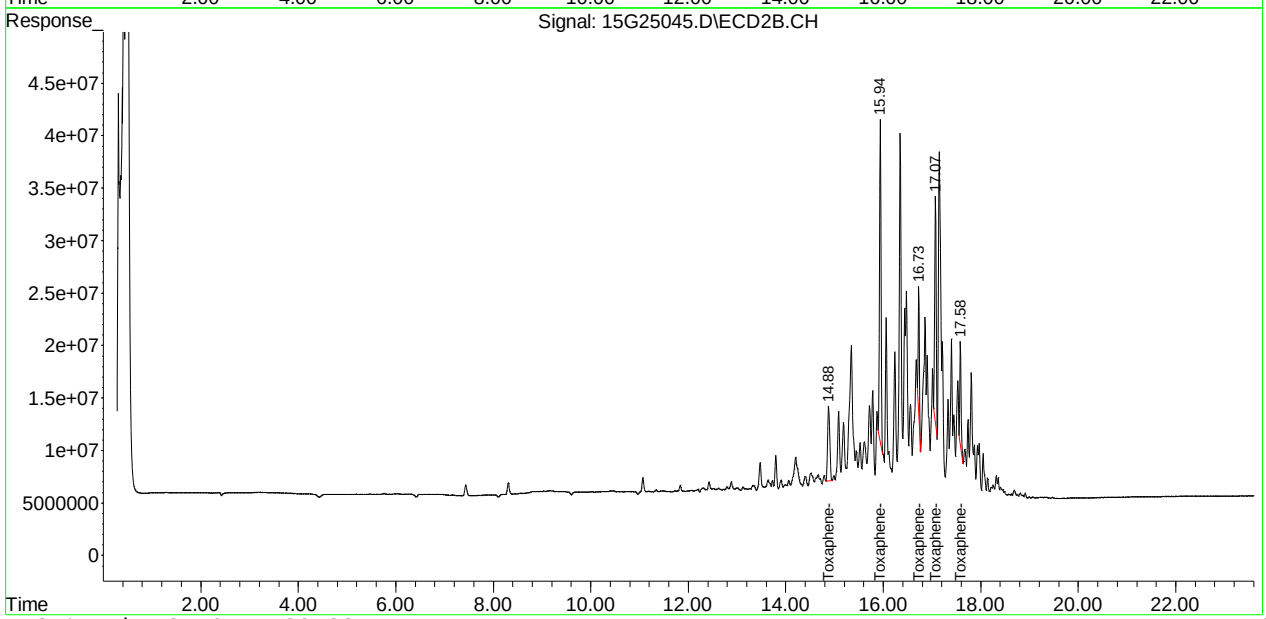
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25045.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 19:04 (#1); 18 Feb 2011 19:33 (#2)
Operator : ECL
Sample : WG357035-04 TOX ICAL 200 PPB
Misc : 1,1 STD43915
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:44:45 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:44:36 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 19:33 (#1); 18 Feb 2011 20:01 (#2)
Operator : ECL
Sample : WG357035-05 TOX ICAL 100 PPB
Misc : 1,1 STD43915
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:43:50 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:43:46 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.87	126.1E6	117.3E6	111.370	127.008
2)	L1 Toxaphene-2	15.84	15.94	185.6E6	338.7E6	108.561	117.258
3)	L1 Toxaphene-3	16.81	16.73	338.0E6	100.3E6	110.717	116.695
4)	L1 Toxaphene-4	17.04	17.07	145.6E6	233.9E6	103.619	117.243
5)	L1 Toxaphene-5	17.50	17.58	131.4E6	88236450	96.164	117.069
	Sum Toxaphene-1			926.8E6	878.5E6	530.431	595.273
Average	Toxaphene-1					106.086	119.055

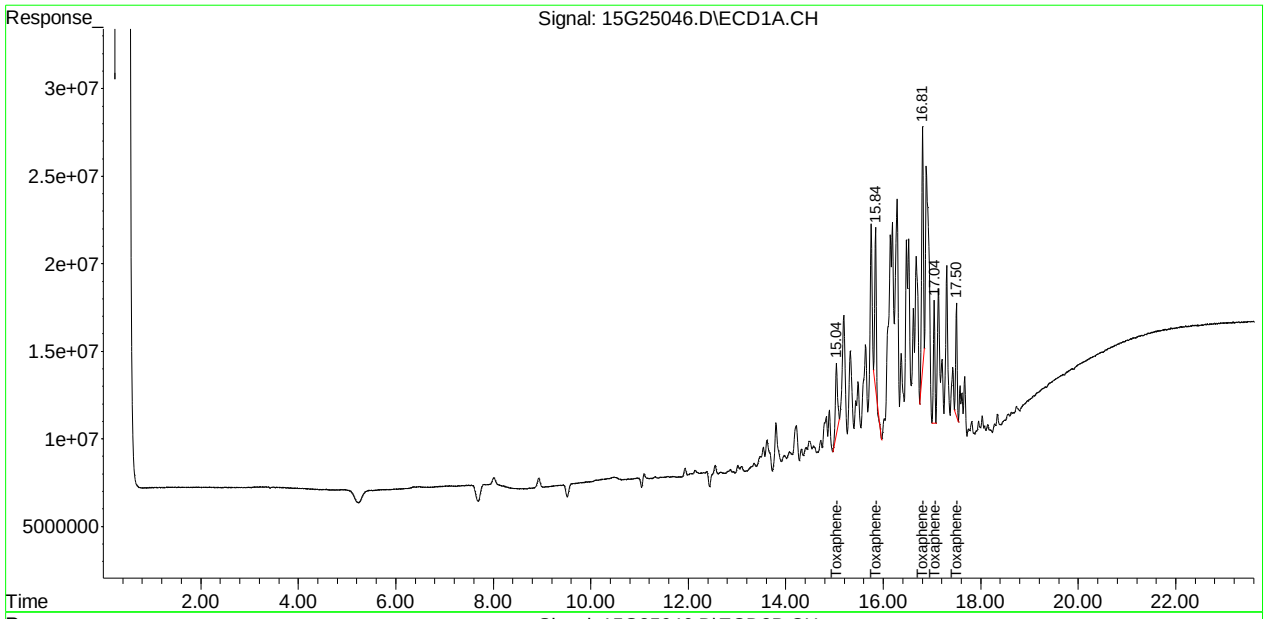
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

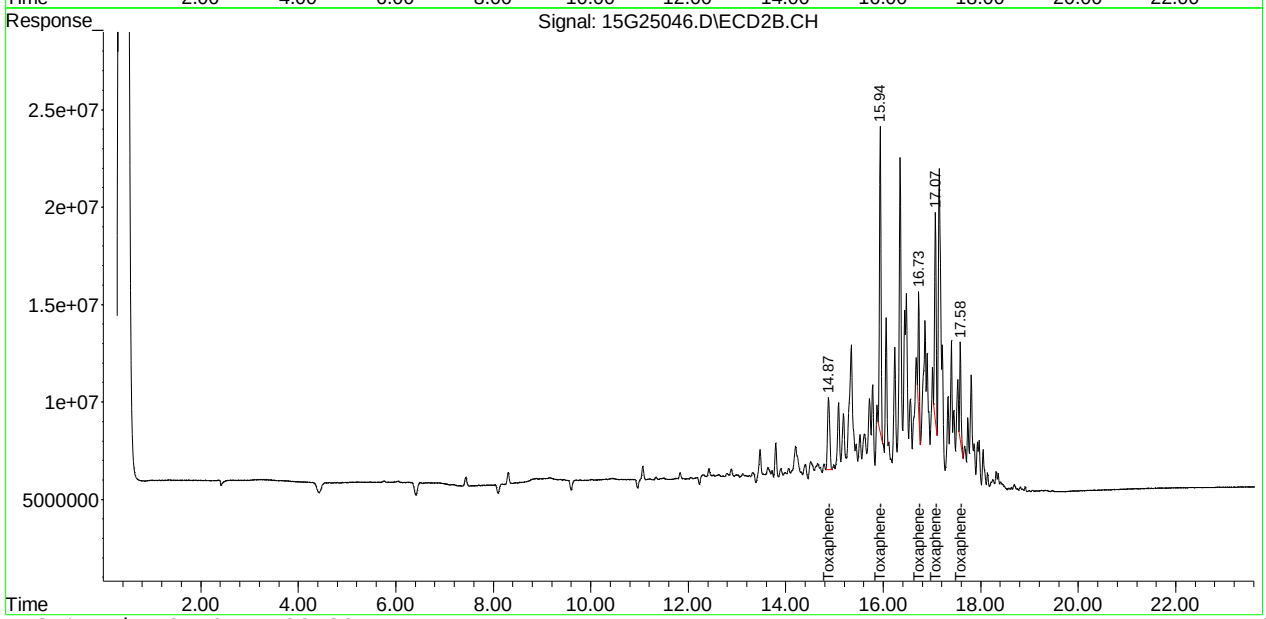
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25046.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 19:33 (#1); 18 Feb 2011 20:01 (#2)
Operator : ECL
Sample : WG357035-05 TOX ICAL 100 PPB
Misc : 1,1 STD43915
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:43:50 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:43:46 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 20:01 (#1); 18 Feb 2011 20:29 (#2)
Operator : ECL
Sample : WG357035-05 TOX ALT 500 PPB
Misc : 1,1 STD43915
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:46:38 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.04	14.88	514.6E6	525.3E6	403.612	480.488
2) L1 Toxaphene-2	15.84	15.94	684.7E6	1545.3E6	363.251	466.064 #
3) L1 Toxaphene-3	16.80	16.73	1568.8E6	200.5E6	464.328	199.101 #
4) L1 Toxaphene-4	17.04	17.07	651.8E6	1045.3E6	429.111	454.596
5) L1 Toxaphene-5	17.50	17.58	666.3E6	505.8E6	474.368	575.489
Sum Toxaphene-1			4086.3E6	3822.3E6	2134.669	2175.739
Average Toxaphene-1					426.934	435.148

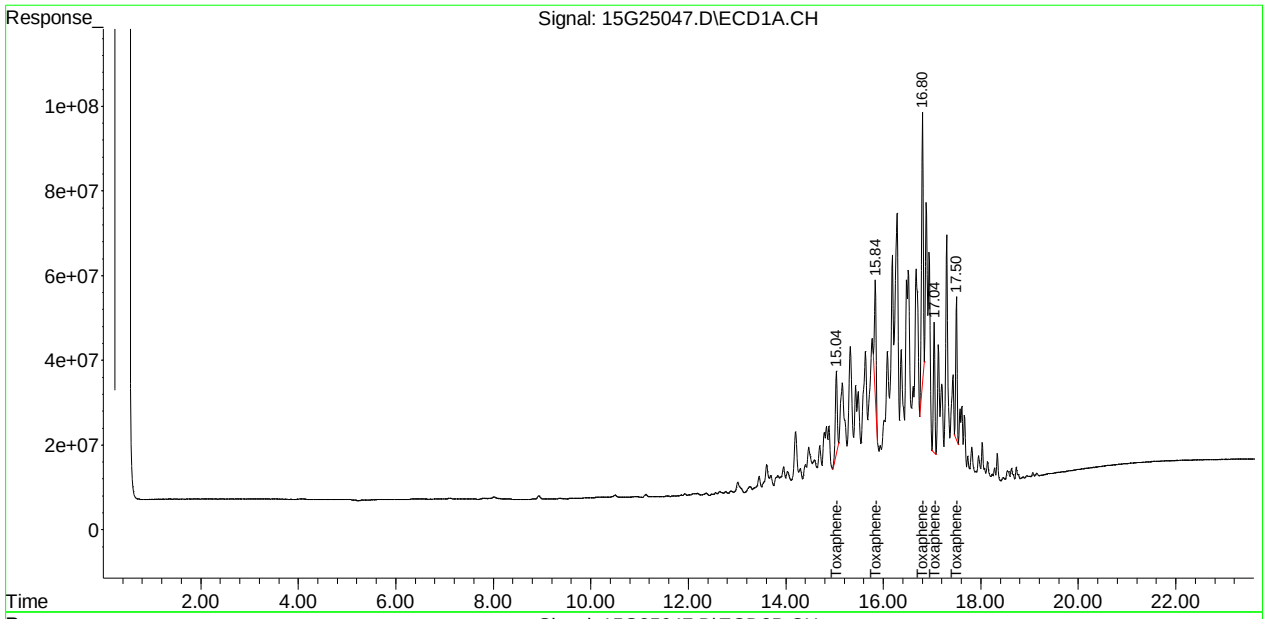
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

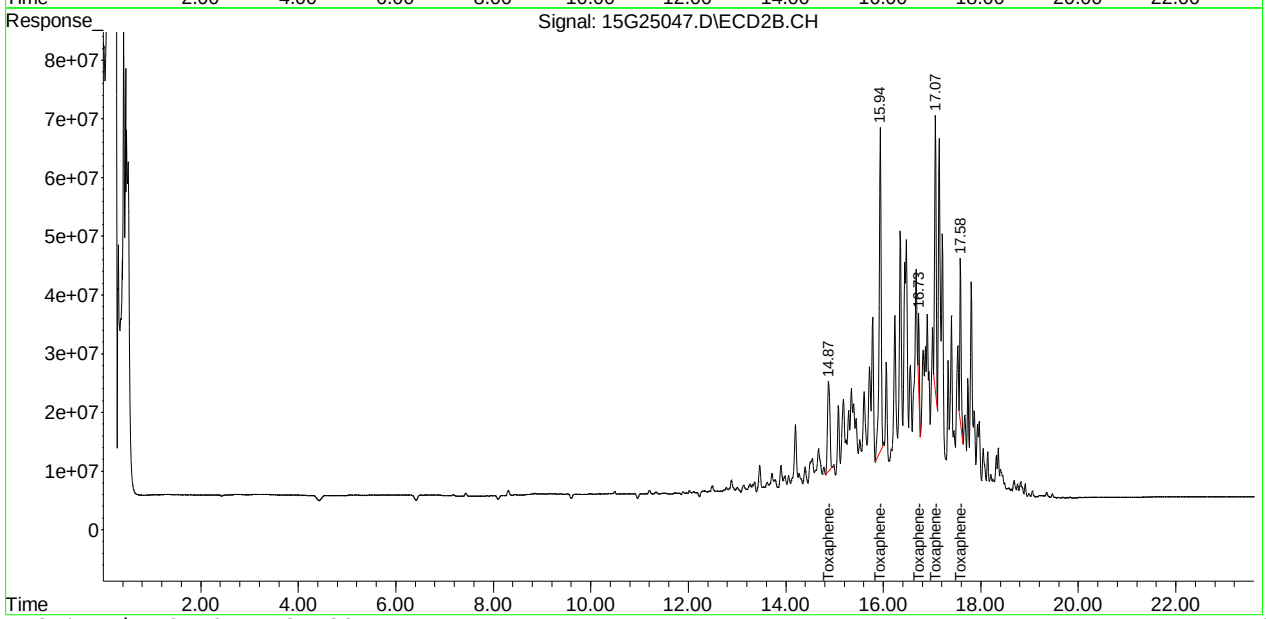
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25047.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 20:01 (#1); 18 Feb 2011 20:29 (#2)
Operator : ECL
Sample : WG357035-05 TOX ALT 500 PPB
Misc : 1,1 STD43915
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 10:46:38 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 20:29 (#1); 18 Feb 2011 20:58 (#2)
Operator : ECL
Sample : WG357037-01 PEST ICAL 200 PPB
Misc : 1,1 STD43387
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:06 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:04 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

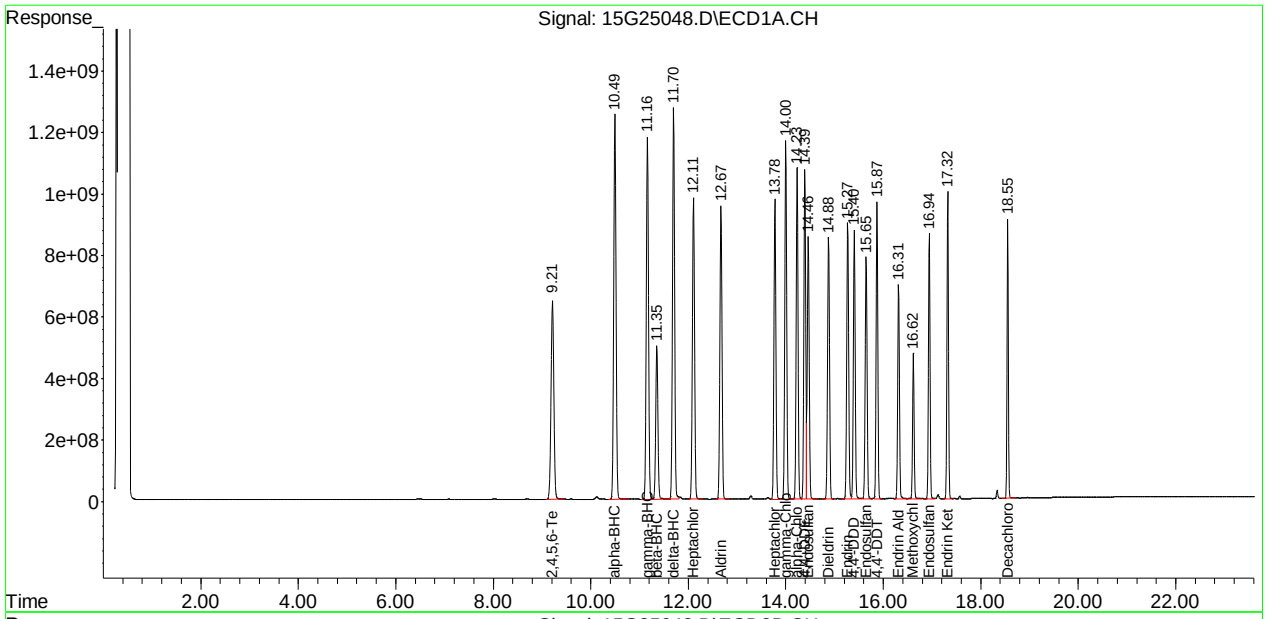
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.13	25842.3E6	18174.4E6	199.017	188.848
	Spiked Amount	20.000	Range 30 - 132		Recovery =	995.08%#	944.24%#
22) S	Decachlorobiphen	18.55	18.86	16424.3E6	11680.5E6	184.689	182.412
	Spiked Amount	20.000	Range 36 - 144		Recovery =	923.44%#	912.06%#
	Target Compounds						
2)	alpha-BHC	10.49	10.49	41293.4E6	28102.0E6	214.410	200.897
3)	gamma-BHC	11.16	11.23	37068.0E6	27238.1E6	207.325	201.419
4)	beta-BHC	11.35	11.41	15528.4E6	11464.1E6	197.505	192.852
5)	Heptachlor	12.11	12.08	30095.5E6	21822.7E6	174.691	170.404
6)	delta-BHC	11.70	11.98	38127.7E6	28050.2E6	212.396	203.813
7)	Aldrin	12.67	12.69	28746.5E6	22310.7E6	185.678	179.082
8)	Heptachlor Epoxi	13.78	13.74	26954.1E6	18308.4E6	173.221	176.810
9)	gamma-Chlordane	14.00	14.08	31406.0E6	22454.0E6	194.249	191.316
10)	alpha-Chlordane	14.23	14.34	28277.5E6	21285.7E6	186.763	186.909
11)	Endosulfan I	14.46	14.43	23295.4E6	16013.9E6	169.112	170.731
12)	4,4'-DDE	14.39	14.65	28109.8E6	20562.0E6	197.210	190.672
13)	Dieldrin	14.88	14.91	23760.0E6	20220.4E6	177.001	182.178
14)	Endrin	15.27	15.43	24619.1E6	16658.6E6	183.889	179.867
15)	4,4'-DDD	15.40	15.64	22488.4E6	16633.4E6	192.952	189.758
16)	Endosulfan II	15.65	15.80	21397.2E6	16605.6E6	173.742	175.817
17)	4,4'-DDT	15.87	16.15	22980.1E6	17180.4E6	195.378	194.755
18)	Endrin Aldehyde	16.31	16.33	16964.3E6	11821.2E6	172.633	169.769
19)	Endosulfan Sulfa	16.94	16.74	19354.8E6	14840.6E6	181.554	177.963
20)	Methoxychlor	16.62	17.13	10297.6E6	7537.6E6	180.379	178.256
21)	Endrin Ketone	17.32	17.45	21452.2E6	15847.1E6	182.181	183.547

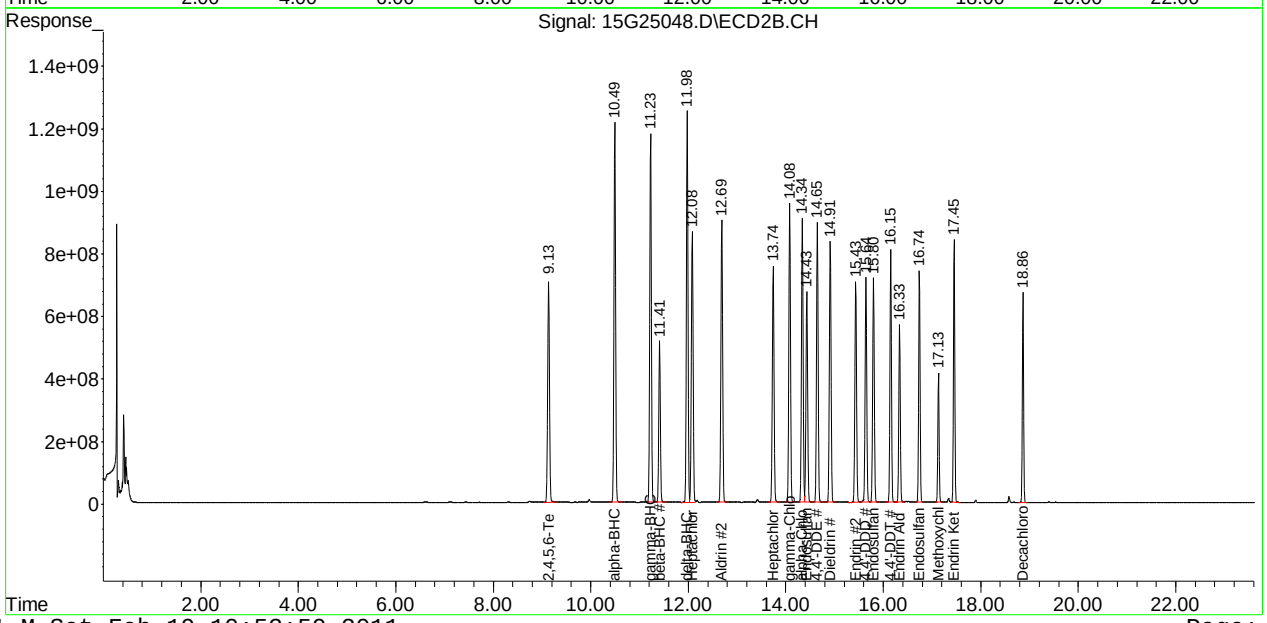
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25048.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 20:29 (#1); 18 Feb 2011 20:58 (#2)
Operator : ECL
Sample : WG357037-01 PEST ICAL 200 PPB
Misc : 1,1 STD43387
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:06 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:04 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25049.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 20:58 (#1); 18 Feb 2011 21:26 (#2)
Operator : ECL
Sample : WG357037-02 PEST ICAL 100 PPB
Misc : 1,1 STD43387
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:29 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:27 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

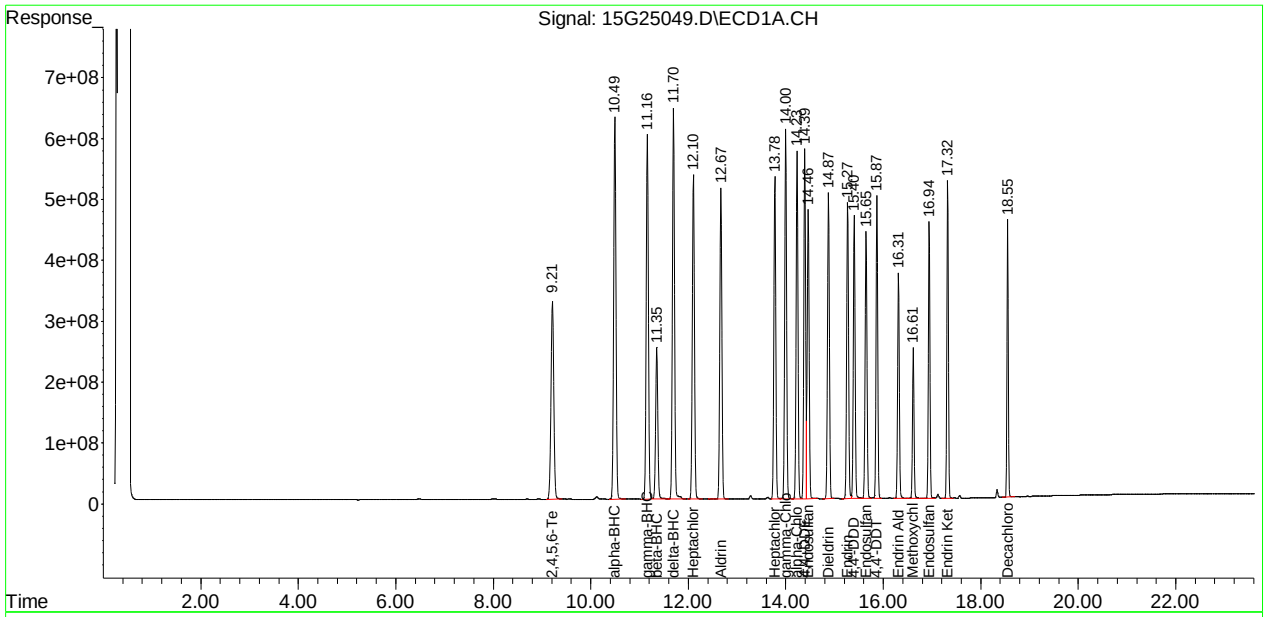
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.13	12962.8E6	9237.6E6	99.829	95.962
	Spiked Amount	20.000	Range 30 - 132		Recovery =	499.14%#	479.81%#
22) S	Decachlorobiphen	18.55	18.86	8253.9E6	5757.0E6	92.815	89.906
	Spiked Amount	20.000	Range 36 - 144		Recovery =	464.07%#	449.53%#
	Target Compounds						
2)	alpha-BHC	10.49	10.49	20560.1E6	14515.9E6	106.755	103.761
3)	gamma-BHC	11.16	11.23	18565.4E6	13721.5E6	103.838	101.444
4)	beta-BHC	11.35	11.41	7744.9E6	5729.1E6	98.506	96.316
5)	Heptachlor	12.10	12.08	16095.6E6	11642.6E6	93.428	90.912
6)	delta-BHC	11.70	11.98	19263.8E6	14043.5E6	107.311	102.040
7)	Aldrin	12.67	12.69	15147.2E6	11889.7E6	97.838	95.436
8)	Heptachlor Epoxi	13.77	13.74	14426.3E6	10023.4E6	92.711	96.799
9)	gamma-Chlordane	14.00	14.08	16066.4E6	11440.8E6	99.372	97.479
10)	alpha-Chlordane	14.23	14.34	15027.1E6	10885.4E6	99.249	95.584
11)	Endosulfan I	14.46	14.43	12956.4E6	8583.8E6	94.056	91.515
12)	4,4'-DDE	14.39	14.65	14678.7E6	10699.6E6	102.982	99.218
13)	Dieldrin	14.88	14.91	13517.2E6	10627.0E6	100.696	95.745
14)	Endrin	15.27	15.43	13034.9E6	8769.3E6	97.363	94.684
15)	4,4'-DDD	15.40	15.64	11813.7E6	8616.0E6	101.363	98.293
16)	Endosulfan II	15.65	15.80	11649.9E6	8679.6E6	94.595	91.898
17)	4,4'-DDT	15.87	16.15	11773.3E6	8772.0E6	100.098	99.439
18)	Endrin Aldehyde	16.31	16.33	8884.3E6	6199.2E6	90.409	89.030
19)	Endosulfan Sulfa	16.94	16.74	10032.7E6	7643.3E6	94.110	91.655
20)	Methoxychlor	16.61	17.13	5433.9E6	3826.3E6	95.183	90.489
21)	Endrin Ketone	17.32	17.45	11157.7E6	8146.8E6	94.756	94.359

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25049.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 20:58 (#1); 18 Feb 2011 21:26 (#2)
Operator : ECL
Sample : WG357037-02 PEST ICAL 100 PPB
Misc : 1,1 STD43387
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:29 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:27 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25050.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 21:26 (#1); 18 Feb 2011 21:54 (#2)
Operator : ECL
Sample : WG357037-03 PEST ICAL 20 PPB
Misc : 1,1 STD43387
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:43 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:42 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

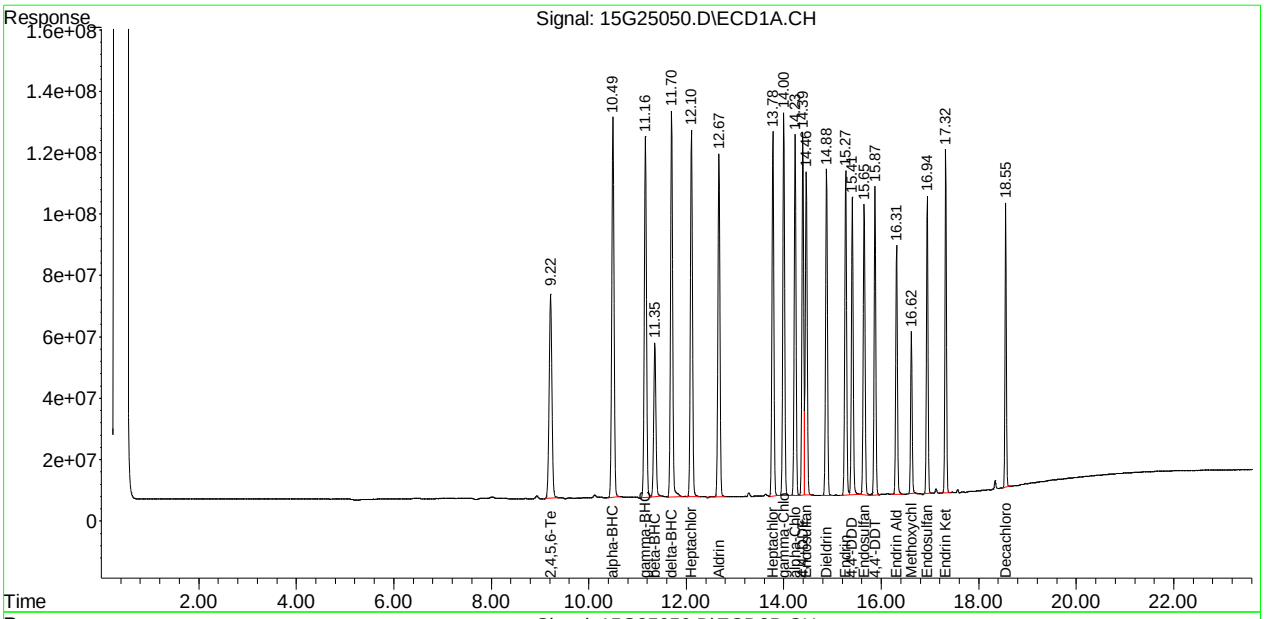
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.22	9.13	2622.8E6	1922.2E6	20.199	19.962
	Spiked Amount	20.000	Range 30 - 132		Recovery =	101.00%	99.81%
22) S	Decachlorobiphen	18.55	18.87	1710.1E6	1221.9E6	19.230	19.083
	Spiked Amount	20.000	Range 36 - 144		Recovery =	96.15%	95.41%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	3969.4E6	2914.1E6	20.610	20.822
3)	gamma-BHC	11.16	11.23	3646.0E6	2759.8E6	20.393	20.403
4)	beta-BHC	11.35	11.41	1568.1E6	1184.0E6	19.944	19.897
5)	Heptachlor	12.11	12.08	3536.4E6	2626.6E6	20.527	20.510
6)	delta-BHC	11.70	11.98	3744.8E6	2824.3E6	20.861	20.521
7)	Aldrin	12.67	12.69	3208.9E6	2599.6E6	20.727	20.866
8)	Heptachlor Epoxi	13.78	13.74	3171.2E6	2133.9E6	20.380	20.607
9)	gamma-Chlordane	14.00	14.08	3246.9E6	2369.3E6	20.082	20.187
10)	alpha-Chlordane	14.23	14.34	3045.0E6	2272.0E6	20.111	19.950
11)	Endosulfan I	14.46	14.43	2814.7E6	1926.3E6	20.433	20.537
12)	4,4'-DDE	14.39	14.65	2956.9E6	2243.2E6	20.745	20.802
13)	Dieldrin	14.88	14.91	2814.2E6	2291.9E6	20.964	20.649
14)	Endrin	15.27	15.44	2770.1E6	1919.4E6	20.691	20.724
15)	4,4'-DDD	15.41	15.64	2426.0E6	1823.7E6	20.815	20.805
16)	Endosulfan II	15.65	15.80	2483.2E6	1910.3E6	20.163	20.226
17)	4,4'-DDT	15.87	16.15	2359.0E6	1816.6E6	20.057	20.592
18)	Endrin Aldehyde	16.31	16.33	1934.4E6	1402.0E6	19.685	20.134
19)	Endosulfan Sulfa	16.94	16.74	2112.6E6	1665.0E6	19.816	19.966
20)	Methoxychlor	16.62	17.13	1151.3E6	837.3E6	20.167	19.801
21)	Endrin Ketone	17.32	17.45	2347.8E6	1739.9E6	19.939	20.152

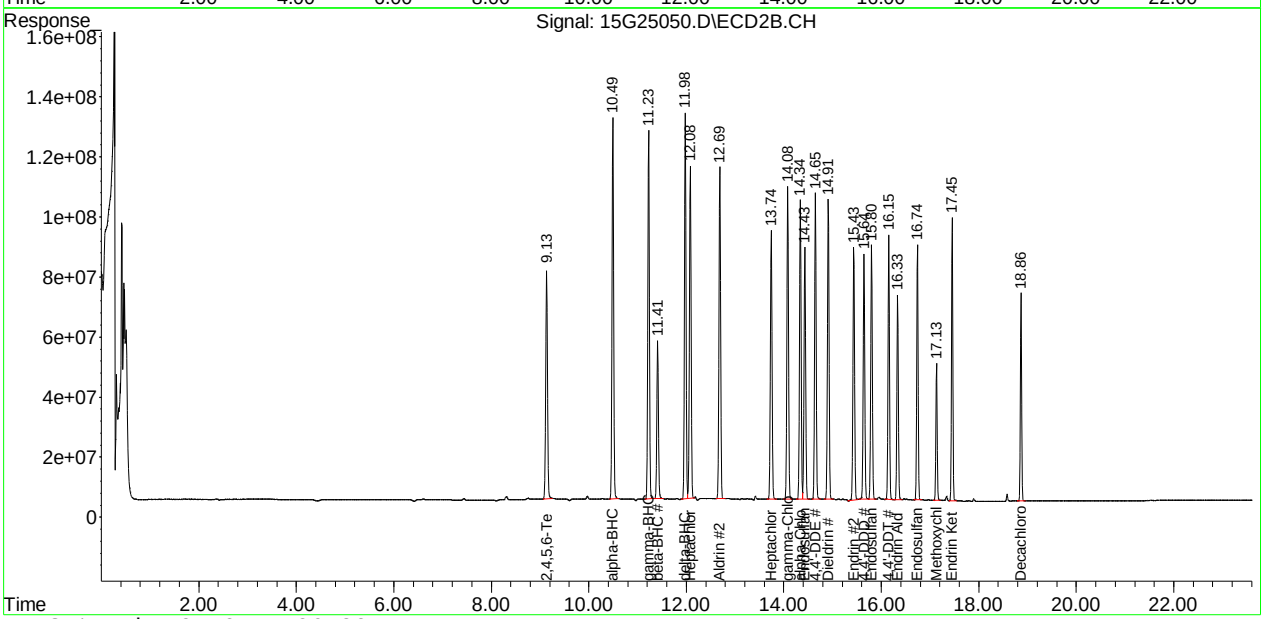
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25050.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 21:26 (#1); 18 Feb 2011 21:54 (#2)
Operator : ECL
Sample : WG357037-03 PEST ICAL 20 PPB
Misc : 1,1 STD43387
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:43 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:42 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25051.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 21:54 (#1); 18 Feb 2011 22:23 (#2)
Operator : ECL
Sample : WG357037-04 PEST ICAL 10 PPB
Misc : 1,1 STD43387
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:56 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:54 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

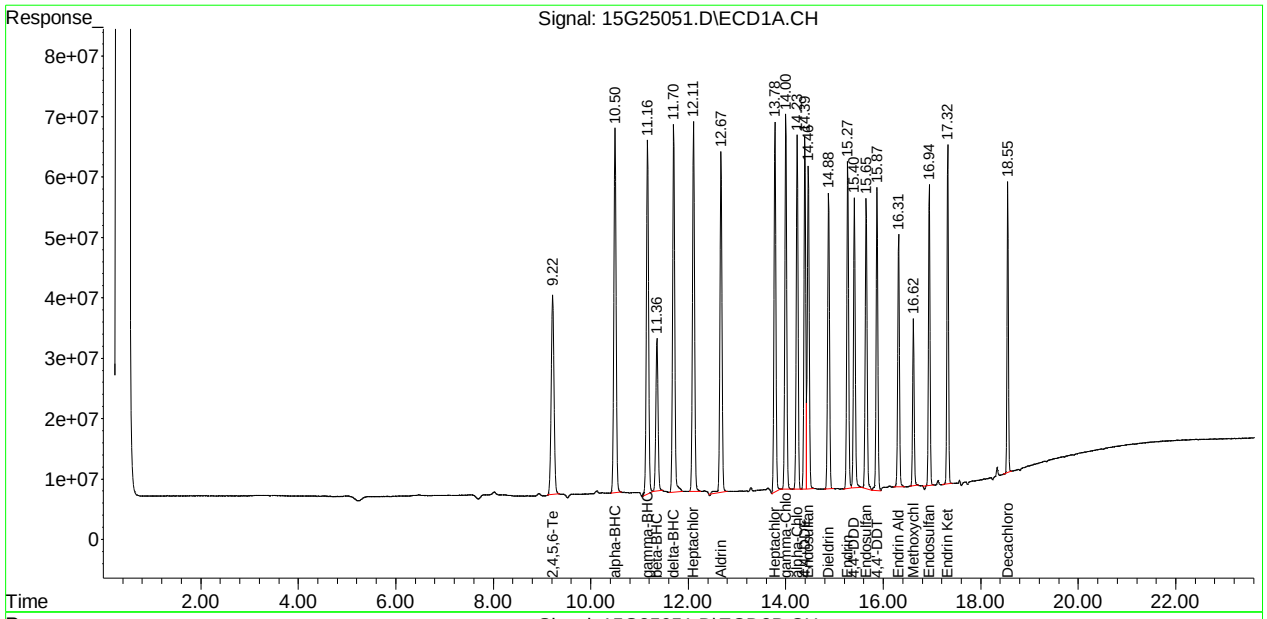
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.22	9.13	1319.5E6	987.2E6	10.162	10.246
	Spiked Amount	20.000	Range 30 - 132		Recovery =	50.81%	51.23%
22) S	Decachlorobiphen	18.55	18.87	895.3E6	643.7E6	10.067	10.053
	Spiked Amount	20.000	Range 36 - 144		Recovery =	50.33%	50.27%
	Target Compounds						
2)	alpha-BHC	10.50	10.49	1928.6E6	1459.4E6	10.014	10.421
3)	gamma-BHC	11.16	11.23	1815.4E6	1388.3E6	10.154	10.262
4)	beta-BHC	11.36	11.41	791.0E6	610.7E6	10.061	10.256
5)	Heptachlor	12.11	12.08	1798.5E6	1362.1E6	10.439	10.636
6)	delta-BHC	11.70	11.98	1823.5E6	1410.2E6	10.158	10.246
7)	Aldrin	12.67	12.69	1629.5E6	1326.1E6	10.525	10.645
8)	Heptachlor Epoxi	13.78	13.74	1636.4E6	1098.1E6	10.516	10.605
9)	gamma-Chlordane	14.00	14.08	1627.2E6	1204.6E6	10.065	10.264
10)	alpha-Chlordane	14.23	14.34	1517.7E6	1164.1E6	10.024	10.222
11)	Endosulfan I	14.46	14.43	1433.4E6	970.7E6	10.406	10.349
12)	4,4'-DDE	14.39	14.65	1453.4E6	1124.1E6	10.197	10.424
13)	Dieldrin	14.88	14.91	1312.7E6	1164.6E6	9.779	10.492
14)	Endrin	15.27	15.44	1390.9E6	960.9E6	10.389	10.375
15)	4,4'-DDD	15.41	15.65	1200.0E6	909.0E6	10.296	10.370
16)	Endosulfan II	15.65	15.80	1273.9E6	985.5E6	10.344	10.434
17)	4,4'-DDT	15.87	16.15	1204.5E6	912.4E6	10.241	10.343
18)	Endrin Aldehyde	16.31	16.33	1011.1E6	721.3E6	10.289	10.359
19)	Endosulfan Sulfa	16.94	16.74	1077.1E6	860.5E6	10.103	10.319
20)	Methoxychlor	16.62	17.13	594.9E6	437.3E6	10.421	10.343
21)	Endrin Ketone	17.32	17.45	1200.6E6	891.7E6	10.196	10.328

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25051.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 21:54 (#1); 18 Feb 2011 22:23 (#2)
Operator : ECL
Sample : WG357037-04 PEST ICAL 10 PPB
Misc : 1,1 STD43387
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:51:56 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:51:54 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25052.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 22:23 (#1); 18 Feb 2011 22:51 (#2)
Operator : ECL
Sample : WG357037-05 PEST ICAL 4 PPB
Misc : 1,1 STD43387
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:52:09 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

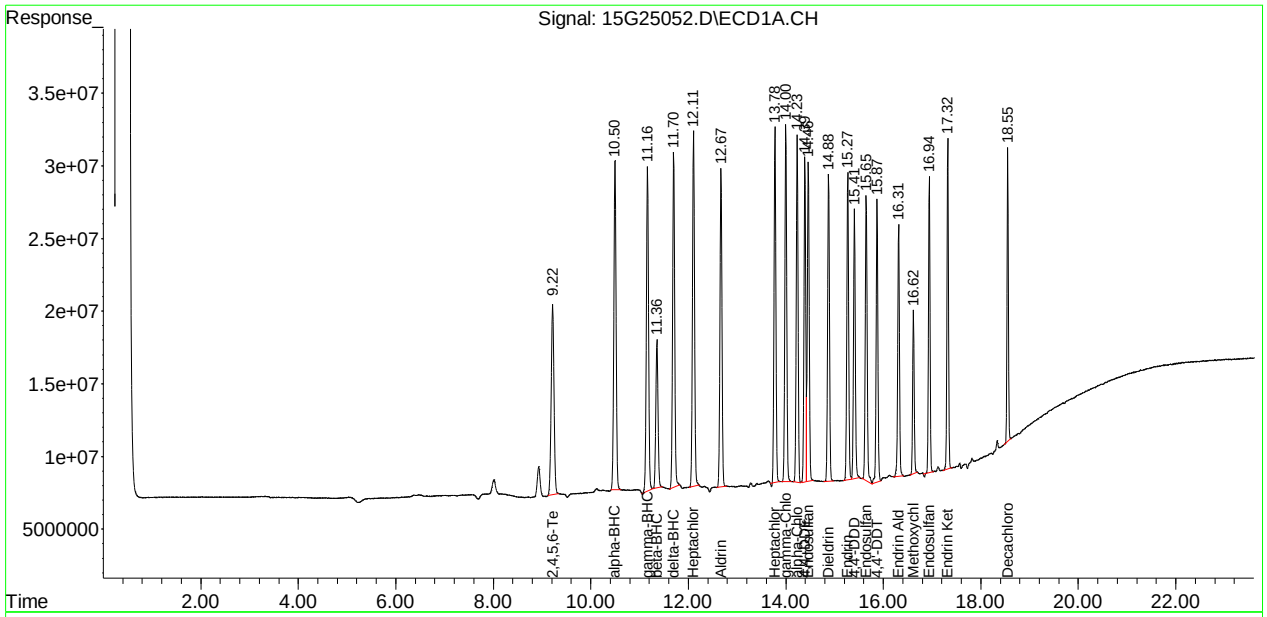
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.22	9.13	519.7E6	393.8E6	4.002	4.081
	Spiked Amount	20.000	Range 30 - 132		Recovery =	20.01%#	20.41%#
22) S	Decachlorobiphen	18.55	18.86	377.3E6	271.1E6	4.243	4.233
	Spiked Amount	20.000	Range 36 - 144		Recovery =	21.22%#	21.16%#
	Target Compounds						
2)	alpha-BHC	10.50	10.49	724.3E6	542.9E6	3.761	3.873
3)	gamma-BHC	11.16	11.23	693.6E6	527.6E6	3.880	3.899
4)	beta-BHC	11.36	11.41	318.9E6	242.7E6	4.056	4.076
5)	Heptachlor	12.11	12.08	717.8E6	538.9E6	4.166	4.208
6)	delta-BHC	11.70	11.98	673.9E6	533.3E6	3.754	3.875
7)	Aldrin	12.67	12.69	622.3E6	509.2E6	4.020	4.087
8)	Heptachlor Epoxi	13.78	13.74	646.2E6	415.1E6	4.153	4.008
9)	gamma-Chlordane	14.00	14.08	648.0E6	473.0E6	4.008	4.030
10)	alpha-Chlordane	14.23	14.34	614.9E6	464.4E6	4.061	4.078
11)	Endosulfan I	14.46	14.43	583.1E6	394.3E6	4.233	4.203
12)	4,4'-DDE	14.39	14.65	561.4E6	429.0E6	3.938	3.978
13)	Dieldrin	14.88	14.91	558.7E6	453.3E6	4.162	4.084
14)	Endrin	15.27	15.43	548.4E6	379.1E6	4.096	4.094
15)	4,4'-DDD	15.41	15.64	464.8E6	351.9E6	3.988	4.014
16)	Endosulfan II	15.65	15.80	530.7E6	395.4E6	4.309	4.187
17)	4,4'-DDT	15.87	16.15	476.2E6	348.1E6	4.049	3.946
18)	Endrin Aldehyde	16.31	16.33	419.9E6	300.7E6	4.273	4.318
19)	Endosulfan Sulfa	16.94	16.74	443.5E6	348.1E6	4.160	4.174
20)	Methoxychlor	16.62	17.13	241.7E6	179.3E6	4.234	4.241
21)	Endrin Ketone	17.32	17.45	489.3E6	355.3E6	4.155	4.115

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25052.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 22:23 (#1); 18 Feb 2011 22:51 (#2)
Operator : ECL
Sample : WG357037-05 PEST ICAL 4 PPB
Misc : 1,1 STD43387
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:52:09 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25053.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 22:51 (#1); 18 Feb 2011 23:19 (#2)
Operator : ECL
Sample : WG357037-06 PEST ICAL 1 PPB
Misc : 1,1 STD43387
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:50:50 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:50:48 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

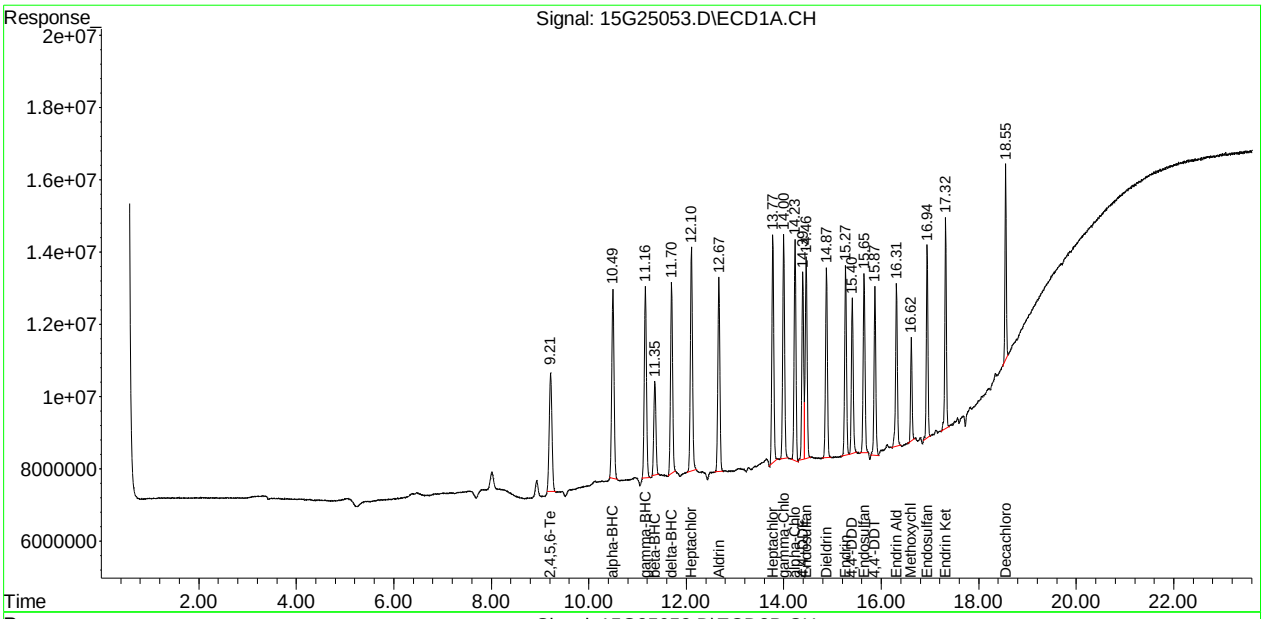
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.22	9.13	127.3E6	102.6E6	0.980	1.066
	Spiked Amount	20.000	Range 30 - 132		Recovery =	4.90%#	5.33%#
22) S	Decachlorobiphen	18.55	18.86	99553837	74990478	1.119	1.171
	Spiked Amount	20.000	Range 36 - 144		Recovery =	5.59%#	5.86%#
	Target Compounds						
2)	alpha-BHC	10.50	10.49	171.1E6	127.9E6	0.888	0.914
3)	gamma-BHC	11.16	11.23	164.5E6	129.7E6	0.920	0.959
4)	beta-BHC	11.35	11.41	79420315	61739604	1.010	1.039
5)	Heptachlor	12.11	12.08	186.1E6	140.6E6	1.080	1.098
6)	delta-BHC	11.70	11.98	155.7E6	129.6E6	0.867	0.941
7)	Aldrin	12.67	12.69	154.7E6	127.2E6	0.999	1.021
8)	Heptachlor Epoxi	13.77	13.74	170.9E6	109.2E6	1.098	1.055
9)	gamma-Chlordane	14.00	14.08	165.3E6	120.3E6	1.022	1.025
10)	alpha-Chlordane	14.23	14.34	159.0E6	121.9E6	1.050	1.071
11)	Endosulfan I	14.46	14.43	150.6E6	104.9E6	1.093	1.119
12)	4,4'-DDE	14.39	14.65	134.4E6	105.4E6	0.943	0.977
13)	Dieldrin	14.88	14.91	139.8E6	114.2E6	1.042	1.029
14)	Endrin	15.27	15.43	135.2E6	97864204	1.010	1.057
15)	4,4'-DDD	15.40	15.64	111.2E6	86556940	0.954	0.987
16)	Endosulfan II	15.65	15.80	131.2E6	103.9E6	1.066	1.100
17)	4,4'-DDT	15.87	16.15	115.6E6	86574497	0.983	0.981
18)	Endrin Aldehyde	16.31	16.33	113.1E6	79281418	1.151	1.139
19)	Endosulfan Sulfa	16.94	16.74	118.3E6	93385128	1.110	1.120
20)	Methoxychlor	16.62	17.13	59214694	47325221	1.037	1.119
21)	Endrin Ketone	17.32	17.45	127.9E6	92347876	1.086	1.070

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25053.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 22:51 (#1); 18 Feb 2011 23:19 (#2)
Operator : ECL
Sample : WG357037-06 PEST ICAL 1 PPB
Misc : 1,1 STD43387
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:50:50 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:50:48 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25054.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 23:19 (#1); 18 Feb 2011 23:48 (#2)
Operator : ECL
Sample : WG357037-07 PEST ALT 20 PPB
Misc : 1,1 STD43387
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:52:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

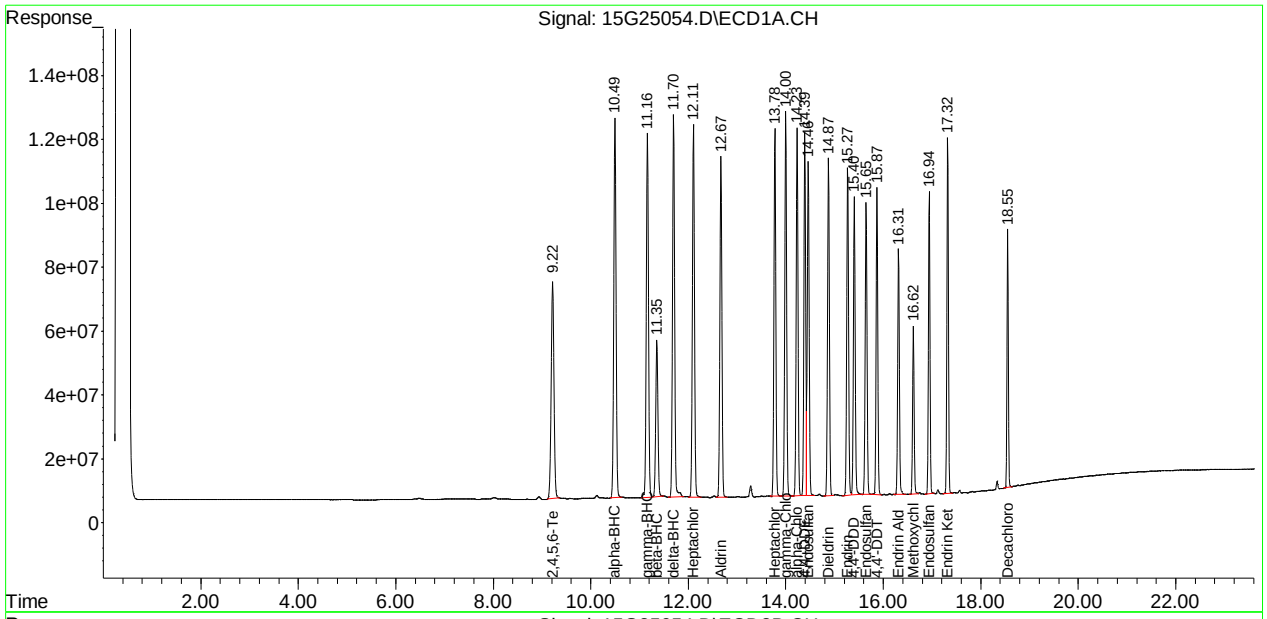
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.22	9.13	2689.9E6	1990.1E6	20.715	20.620
	Spiked Amount	20.000	Range 30 - 132		Recovery =	103.57%	103.10%
22) S	Decachlorobiphen	18.55	18.86	1499.6E6	1066.4E6	16.863	16.653
	Spiked Amount	20.000	Range 36 - 144		Recovery =	84.31%	83.26%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	3819.0E6	2880.9E6	19.830	20.555
3)	gamma-BHC	11.16	11.23	3524.1E6	2689.5E6	19.711	19.878
4)	beta-BHC	11.35	11.41	1529.6E6	1181.5E6	19.455	19.841
5)	Heptachlor	12.11	12.08	3419.6E6	2562.1E6	19.850	20.006
6)	delta-BHC	11.70	11.98	3594.7E6	2736.4E6	20.024	19.882
7)	Aldrin	12.67	12.69	3041.2E6	2488.2E6	19.644	19.972
8)	Heptachlor Epoxi	13.78	13.74	3025.4E6	2101.7E6	19.443	20.297
9)	gamma-Chlordane	14.00	14.08	3129.5E6	2306.8E6	19.356	19.655
10)	alpha-Chlordane	14.23	14.34	2961.9E6	2204.2E6	19.562	19.355
11)	Endosulfan I	14.46	14.43	2760.2E6	1941.4E6	20.038	20.698
12)	4,4'-DDE	14.39	14.65	2838.0E6	2174.5E6	19.911	20.164
13)	Dieldrin	14.88	14.91	2757.3E6	2174.2E6	20.541	19.589
14)	Endrin	15.27	15.43	2632.9E6	1884.7E6	19.666	20.350
15)	4,4'-DDD	15.40	15.64	2314.2E6	1746.5E6	19.856	19.925
16)	Endosulfan II	15.65	15.80	2372.3E6	1826.4E6	19.262	19.338
17)	4,4'-DDT	15.87	16.15	2241.6E6	1752.4E6	19.059	19.865
18)	Endrin Aldehyde	16.31	16.33	1837.4E6	1365.0E6	18.698	19.603
19)	Endosulfan Sulfa	16.94	16.74	2049.3E6	1614.4E6	19.223	19.359
20)	Methoxychlor	16.62	17.13	1134.1E6	827.2E6	19.866	19.562
21)	Endrin Ketone	17.32	17.45	2368.8E6	1757.8E6	20.117	20.360

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25054.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 23:19 (#1); 18 Feb 2011 23:48 (#2)
Operator : ECL
Sample : WG357037-07 PEST ALT 20 PPB
Misc : 1,1 STD43387
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:52:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25066.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 5:00 (#1); 19 Feb 2011 5:28 (#2)
Operator : ECL
Sample : WG357038-03 PEST CCV 20 PPB
Misc : 1,1 STD43387
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:01:24 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	2434.3E6	1824.2E6	18.747	18.901
	Spiked Amount	20.000	Range 30 - 132		Recovery =	93.73%	94.50%
22) S	Decachlorobiphen	18.55	18.86	1556.9E6	1035.9E6	17.507	16.177
	Spiked Amount	20.000	Range 36 - 144		Recovery =	87.54%	80.88%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	3646.0E6	2808.7E6	18.931	20.040
3)	gamma-BHC	11.16	11.23	3352.1E6	2612.7E6	18.749	19.311
4)	beta-BHC	11.35	11.41	1445.6E6	1132.8E6	18.387	19.024
5)	Heptachlor	12.10	12.08	3196.6E6	2420.1E6	18.555	18.897
6)	delta-BHC	11.69	11.98	3427.6E6	2674.8E6	19.094	19.435
7)	Aldrin	12.66	12.69	2913.4E6	2412.4E6	18.818	19.364
8)	Heptachlor Epoxi	13.77	13.74	2846.8E6	1890.8E6	18.295	18.261
9)	gamma-Chlordane	13.99	14.08	2922.9E6	2205.4E6	18.078	18.791
10)	alpha-Chlordane	14.23	14.34	2716.6E6	2106.5E6	17.942	18.497
11)	Endosulfan I	14.45	14.43	2584.3E6	1821.4E6	18.761	19.418
12)	4,4'-DDE	14.38	14.65	2671.2E6	2073.1E6	18.741	19.224
13)	Dieldrin	14.87	14.91	2584.6E6	2124.2E6	19.254	19.139
14)	Endrin	15.26	15.44	2472.6E6	1778.3E6	18.469	19.200
15)	4,4'-DDD	15.40	15.64	2202.8E6	1748.0E6	18.900	19.942
16)	Endosulfan II	15.64	15.80	2303.1E6	1771.5E6	18.701	18.756
17)	4,4'-DDT	15.86	16.15	2053.8E6	1505.0E6	17.461	17.061
18)	Endrin Aldehyde	16.31	16.33	1737.2E6	1298.0E6	17.678	18.641
19)	Endosulfan Sulfa	16.94	16.74	1888.7E6	1516.4E6	17.716	18.184
20)	Methoxychlor	16.61	17.13	1015.4E6	707.3E6	17.787	16.728
21)	Endrin Ketone	17.32	17.45	2116.3E6	1591.5E6	17.973	18.434

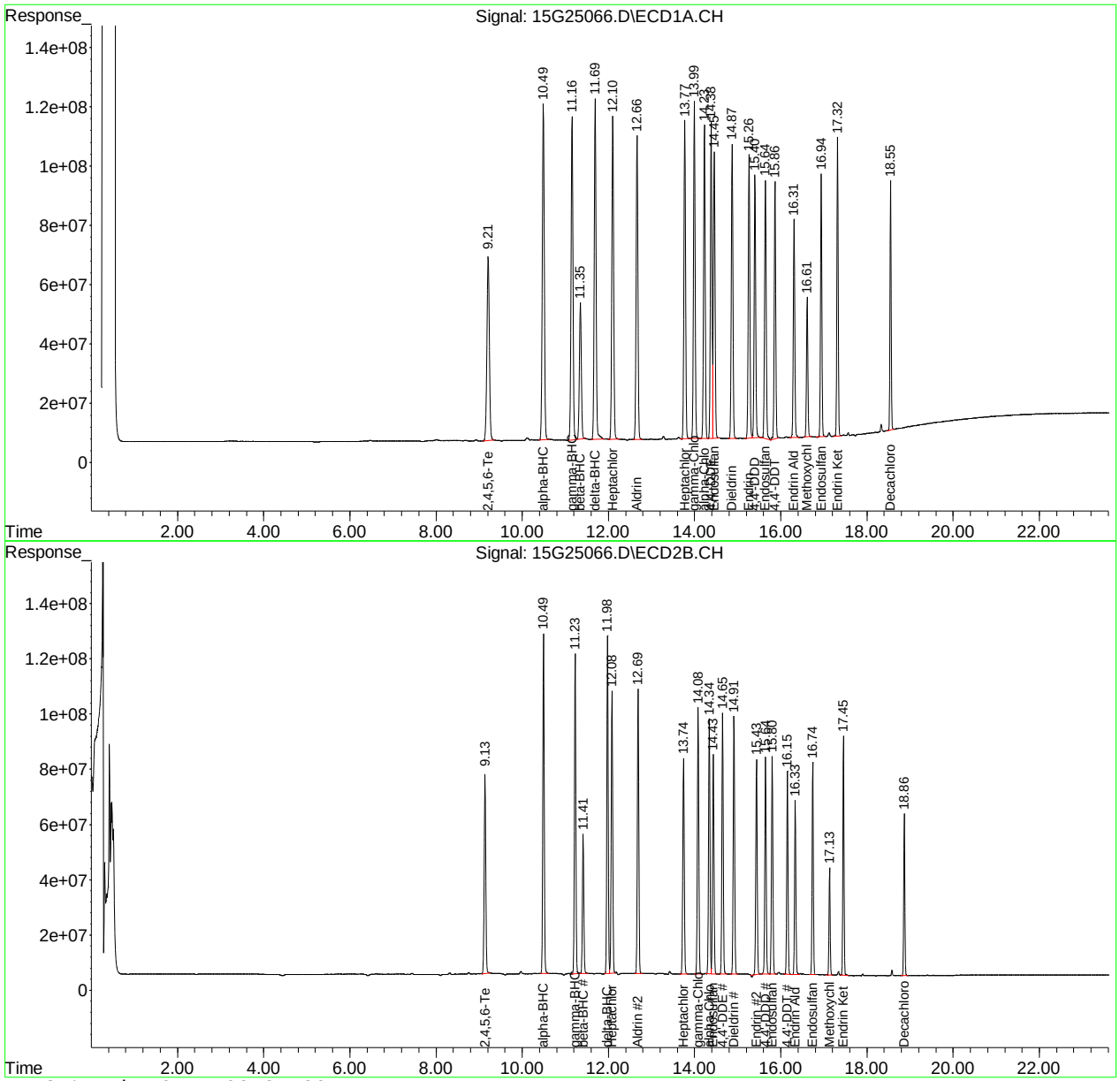
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25066.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 5:00 (#1); 19 Feb 2011 5:28 (#2)
Operator : ECL
Sample : WG357038-03 PEST CCV 20 PPB
Misc : 1,1 STD43387
ALS Vial : 27 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:01:24 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25067.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 5:28 (#1); 19 Feb 2011 5:56 (#2)
Operator : ECL
Sample : WG357036-01 TOX CCV 500 PPB
Misc : 1,1 STD43915
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 11:02:32 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.03	14.88	556.4E6	555.2E6	436.440	507.805
2)	L1 Toxaphene-2	15.83	15.94	851.1E6	1551.1E6	451.503	467.829
3)	L1 Toxaphene-3	16.80	16.73	1435.4E6	459.7E6	424.849	456.489
4)	L1 Toxaphene-4	17.04	17.07	644.2E6	1001.7E6	424.112	435.617
5)	L1 Toxaphene-5	17.49	17.58	576.3E6	384.4E6	410.237	437.383
	Sum Toxaphene-1			4063.4E6	3952.1E6	2147.140	2305.123
Average	Toxaphene-1					429.428	461.025

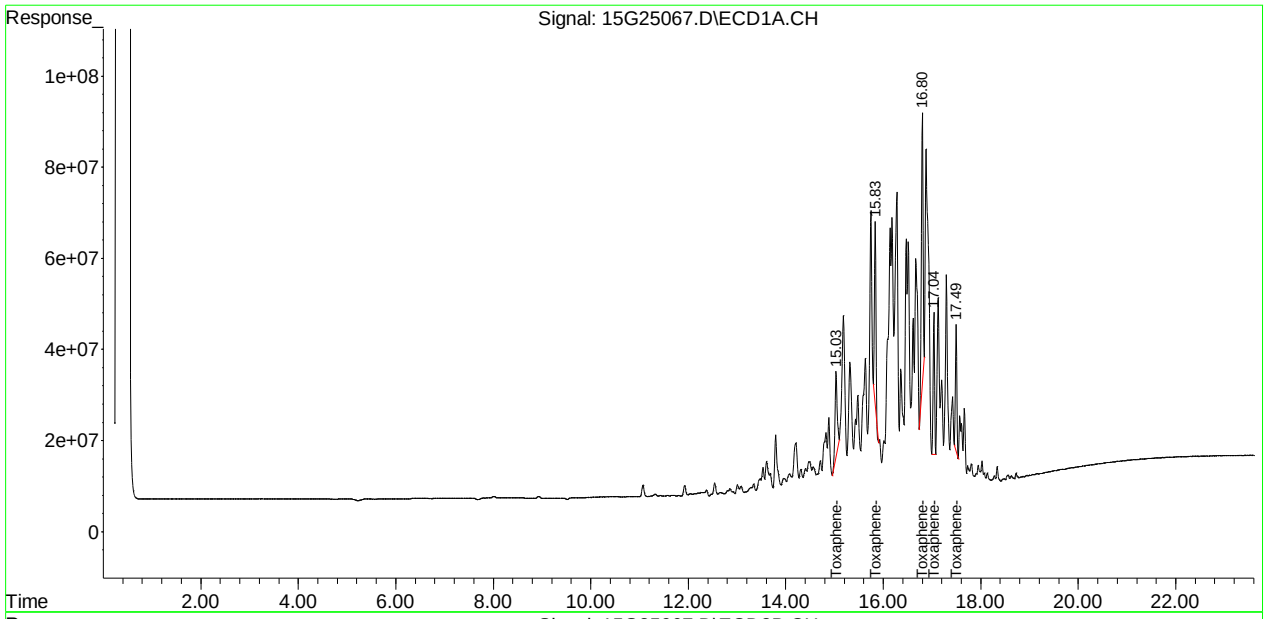
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

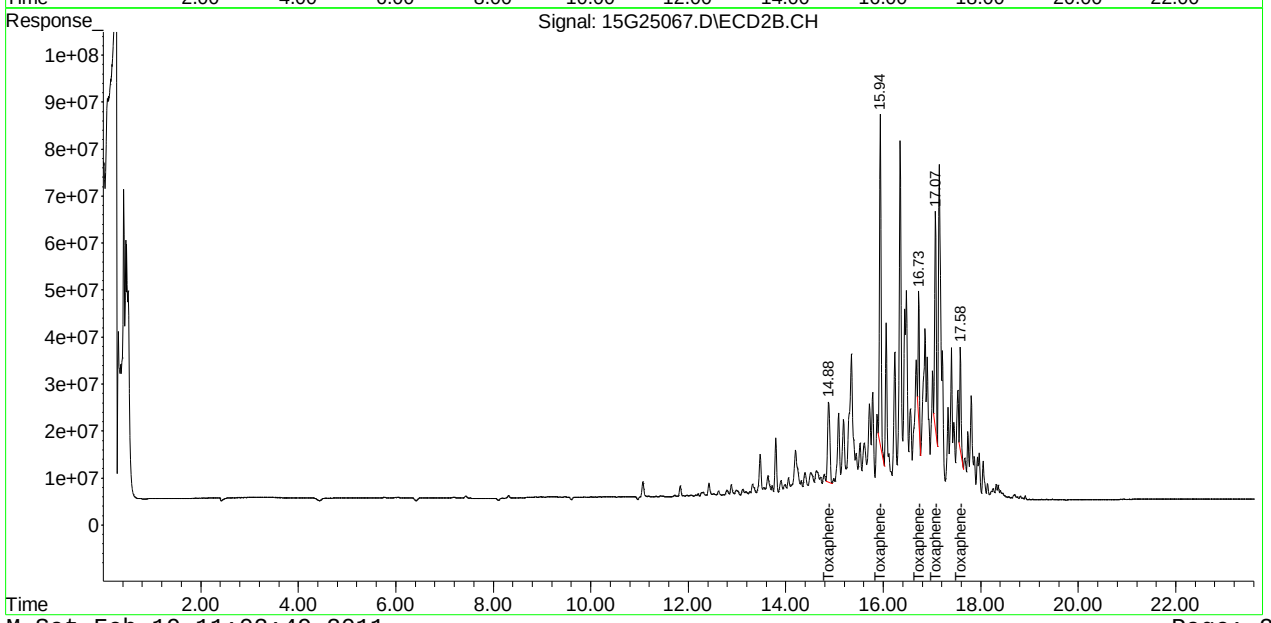
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25067.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 5:28 (#1); 19 Feb 2011 5:56 (#2)
Operator : ECL
Sample : WG357036-01 TOX CCV 500 PPB
Misc : 1,1 STD43915
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 11:02:32 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25080.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 12:00 (#1); 19 Feb 2011 12:28 (#2)
Operator : ECL
Sample : WG357044-02 PEST CCV 20 PPB
Misc : 1,1 STD43387
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:15:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

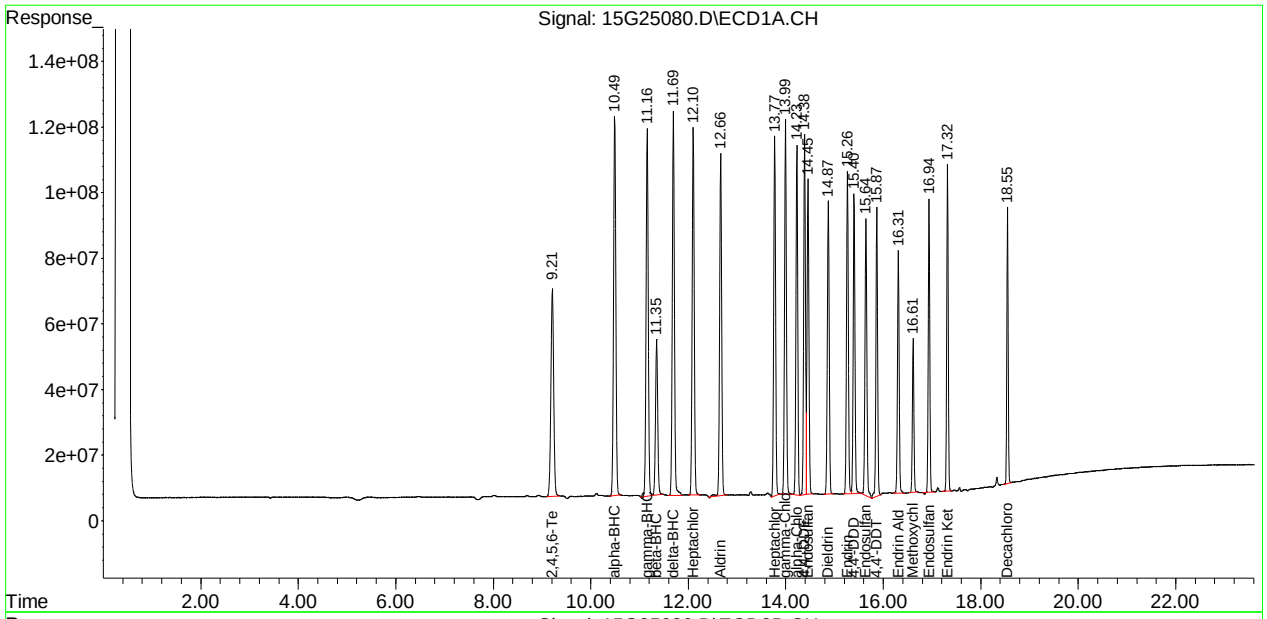
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.13	2485.2E6	1749.6E6	19.139	18.128
	Spiked Amount	20.000	Range 30 - 132		Recovery =	95.69%	90.64%
22) S	Decachlorobiphen	18.55	18.86	1553.6E6	1055.7E6	17.470	16.486
	Spiked Amount	20.000	Range 36 - 144		Recovery =	87.35%	82.43%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	3728.7E6	2658.4E6	19.361	18.967
3)	gamma-BHC	11.16	11.23	3424.3E6	2515.9E6	19.152	18.595
4)	beta-BHC	11.35	11.41	1479.8E6	1088.0E6	18.821	18.270
5)	Heptachlor	12.10	12.08	3285.1E6	2353.7E6	19.068	18.379
6)	delta-BHC	11.69	11.98	3472.8E6	2564.6E6	19.346	18.634
7)	Aldrin	12.66	12.69	3023.8E6	2326.0E6	19.531	18.670
8)	Heptachlor Epoxi	13.77	13.74	2929.9E6	1739.9E6	18.829	16.803
9)	gamma-Chlordane	13.99	14.08	2982.3E6	2113.7E6	18.446	18.010
10)	alpha-Chlordane	14.23	14.34	2680.9E6	2024.0E6	17.707	17.773
11)	Endosulfan I	14.45	14.43	2537.3E6	1697.9E6	18.420	18.102
12)	4,4'-DDE	14.38	14.65	2751.5E6	1989.4E6	19.304	18.448
13)	Dieldrin	14.87	14.91	2392.5E6	2042.8E6	17.823	18.405
14)	Endrin	15.26	15.43	2540.2E6	1674.3E6	18.974	18.077
15)	4,4'-DDD	15.40	15.64	2255.2E6	1646.9E6	19.350	18.788
16)	Endosulfan II	15.64	15.80	2281.8E6	1702.1E6	18.528	18.021
17)	4,4'-DDT	15.87	16.15	2102.9E6	1491.3E6	17.879	16.905
18)	Endrin Aldehyde	16.31	16.33	1764.5E6	1228.2E6	17.956	17.638
19)	Endosulfan Sulfa	16.94	16.74	1898.9E6	1457.8E6	17.813	17.482
20)	Methoxychlor	16.61	17.13	997.5E6	695.1E6	17.472	16.439
21)	Endrin Ketone	17.32	17.45	2117.9E6	1521.3E6	17.986	17.620

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25080.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 12:00 (#1); 19 Feb 2011 12:28 (#2)
Operator : ECL
Sample : WG357044-02 PEST CCV 20 PPB
Misc : 1,1 STD43387
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:15:07 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021911\
Data File : 15G25081.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 13:17 (#1); 19 Feb 2011 13:45 (#2)
Operator : ECL
Sample : WG357045-01 TOX CCV 500 PPB
Misc : 1,1 STD43915
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 21 12:37:12 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.88	566.2E6	520.3E6	444.135	475.861
2)	L1 Toxaphene-2	15.84	15.94	831.7E6	1455.4E6	441.213	438.943
3)	L1 Toxaphene-3	16.80	16.73	1462.8E6	443.7E6	432.957	440.634
4)	L1 Toxaphene-4	17.04	17.07	621.0E6	935.1E6	408.793	406.662
5)	L1 Toxaphene-5	17.50	17.58	553.5E6	367.2E6	394.032	417.777
	Sum Toxaphene-1			4035.2E6	3721.7E6	2121.131	2179.876
Average	Toxaphene-1					424.226	435.975

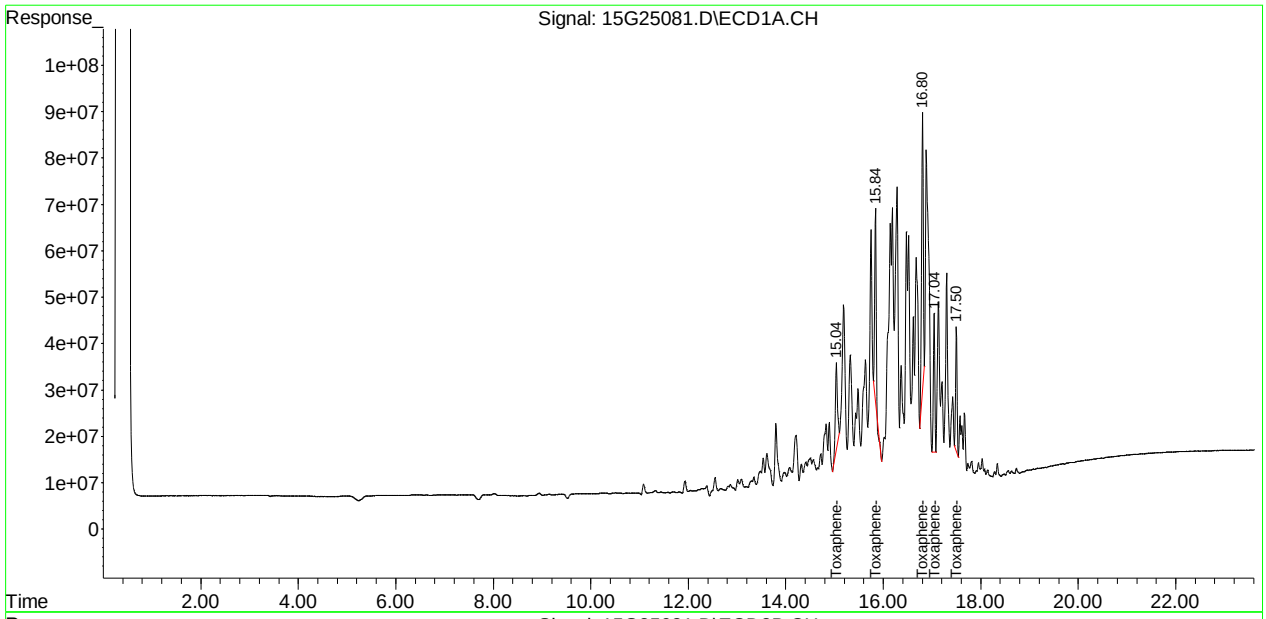
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

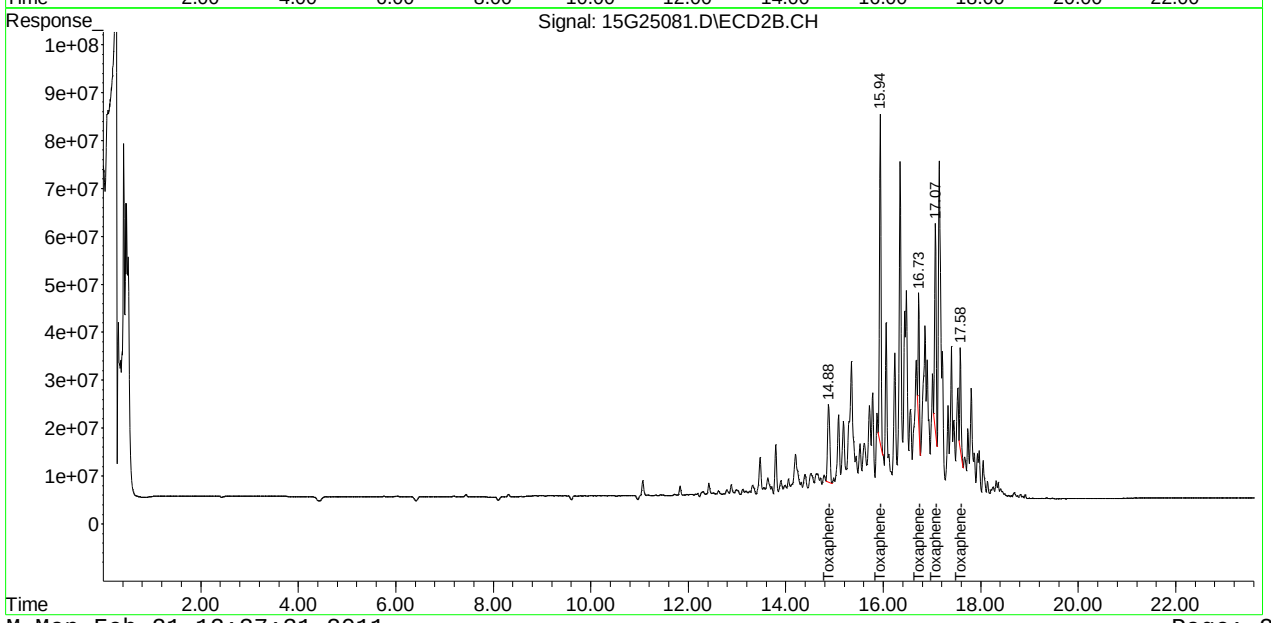
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021911\
Data File : 15G25081.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 13:17 (#1); 19 Feb 2011 13:45 (#2)
Operator : ECL
Sample : WG357045-01 TOX CCV 500 PPB
Misc : 1,1 STD43915
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 21 12:37:12 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25092.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 18:28 (#1); 19 Feb 2011 18:56 (#2)
Operator : ECL
Sample : WG357044-03 PEST CCV 10 PPB
Misc : 1,1 STD43387
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 11:57:09 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.13	1225.5E6	881.1E6	9.438	9.129
	Spiked Amount	20.000	Range 30 - 132		Recovery =	47.19%	45.64%
22) S	Decachlorobiphen	18.55	18.86	774.3E6	542.2E6	8.707	8.468
	Spiked Amount	20.000	Range 36 - 144		Recovery =	43.54%	42.34%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	1753.4E6	1291.9E6	9.104	9.217
3)	gamma-BHC	11.15	11.23	1662.4E6	1248.2E6	9.298	9.225
4)	beta-BHC	11.35	11.41	727.3E6	556.7E6	9.251	9.349
5)	Heptachlor	12.10	12.08	1607.4E6	1200.8E6	9.331	9.377
6)	delta-BHC	11.69	11.98	1644.8E6	1262.2E6	9.163	9.171
7)	Aldrin	12.66	12.69	1473.7E6	1157.2E6	9.519	9.289
8)	Heptachlor Epoxi	13.77	13.74	1393.6E6	811.4E6	8.956	7.836
9)	gamma-Chlordane	13.99	14.08	1421.0E6	1047.7E6	8.789	8.928
10)	alpha-Chlordane	14.22	14.34	1280.6E6	1012.5E6	8.458	8.891
11)	Endosulfan I	14.45	14.43	1229.4E6	833.5E6	8.925	8.886
12)	4,4'-DDE	14.38	14.65	1322.4E6	974.8E6	9.277	9.040
13)	Dieldrin	14.87	14.91	1099.3E6	1009.0E6	8.189	9.091
14)	Endrin	15.26	15.43	1208.6E6	819.9E6	9.028	8.853
15)	4,4'-DDD	15.40	15.64	1056.9E6	798.6E6	9.068	9.110
16)	Endosulfan II	15.64	15.80	1126.9E6	847.2E6	9.150	8.971
17)	4,4'-DDT	15.86	16.15	1027.8E6	720.6E6	8.739	8.169
18)	Endrin Aldehyde	16.31	16.33	863.6E6	609.8E6	8.789	8.757
19)	Endosulfan Sulfa	16.94	16.74	911.8E6	722.8E6	8.553	8.668
20)	Methoxychlor	16.61	17.13	483.1E6	348.3E6	8.463	8.236
21)	Endrin Ketone	17.31	17.45	1014.4E6	734.6E6	8.614	8.509

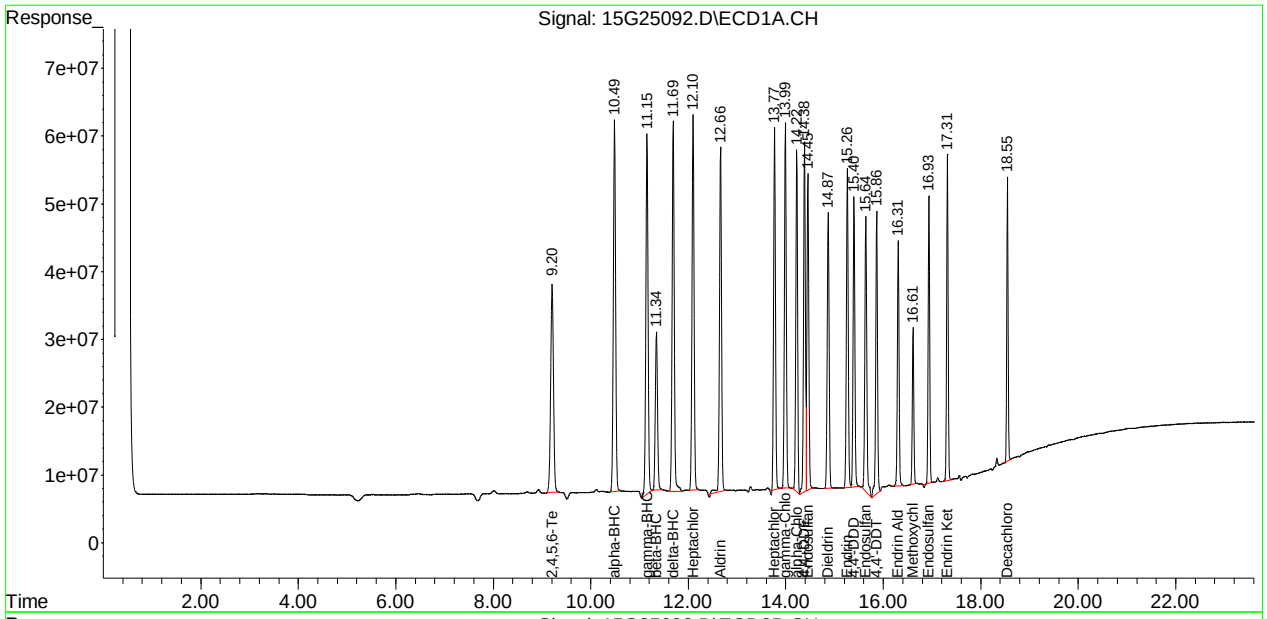
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25092.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 18:28 (#1); 19 Feb 2011 18:56 (#2)
Operator : ECL
Sample : WG357044-03 PEST CCV 10 PPB
Misc : 1,1 STD43387
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 11:57:09 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25093.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 18:56 (#1); 19 Feb 2011 19:25 (#2)
Operator : ECL
Sample : WG357045-02 TOX CCV 200 PPB
Misc : 1,1 STD43915
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 21 11:59:59 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
Target Compounds						
1) L1 Toxaphene-1	15.03	14.88	307.6E6	197.4E6	241.281	180.511 #
2) L1 Toxaphene-2	15.83	15.94	347.7E6	560.6E6	184.485	169.082
3) L1 Toxaphene-3	16.80	16.73	510.1E6	163.9E6	150.963	162.733
4) L1 Toxaphene-4	17.04	17.07	215.1E6	354.8E6	141.578	154.274
5) L1 Toxaphene-5	17.49	17.58	246.3E6	139.6E6	175.341	158.804
Sum Toxaphene-1			1626.8E6	1416.2E6	893.647	825.404
Average Toxaphene-1					178.729	165.081

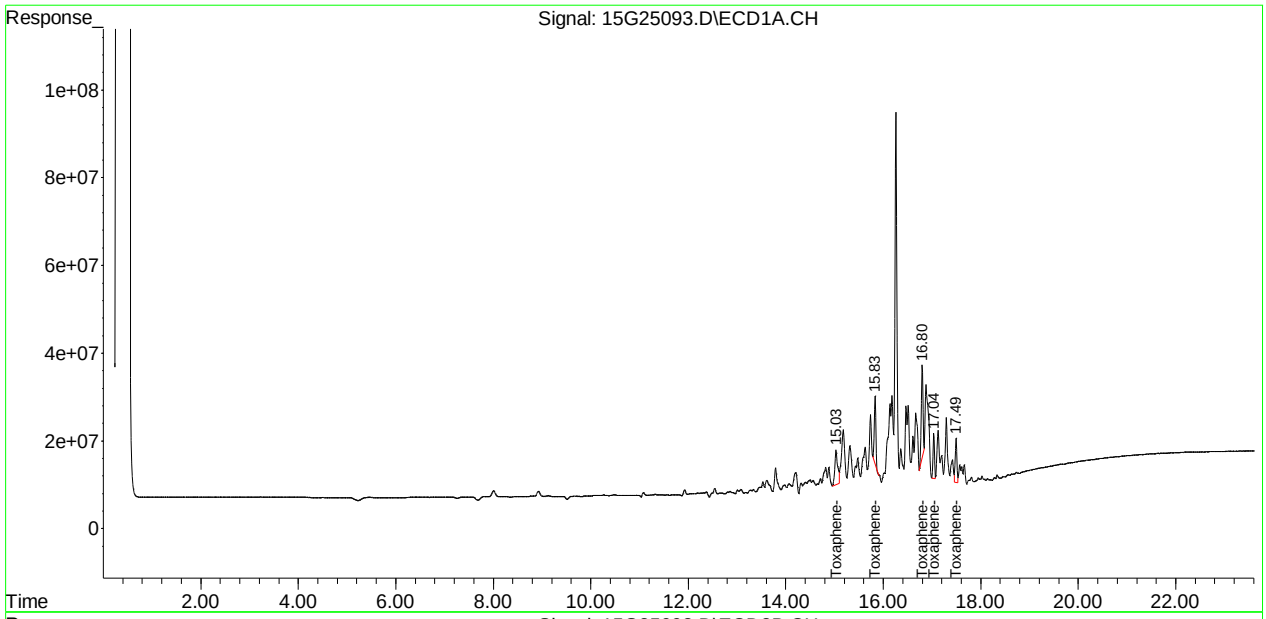
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

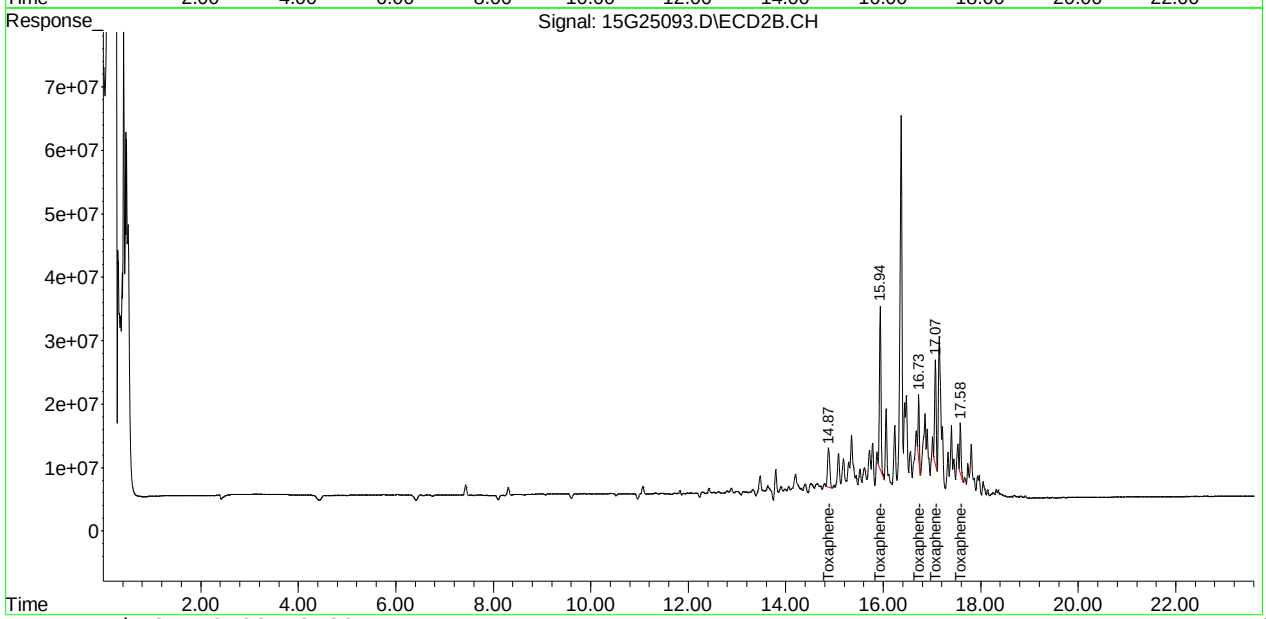
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25093.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 18:56 (#1); 19 Feb 2011 19:25 (#2)
Operator : ECL
Sample : WG357045-02 TOX CCV 200 PPB
Misc : 1,1 STD43915
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 21 11:59:59 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25176.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 13:24 (#1); 22 Feb 2011 13:53 (#2)
Operator : ECL
Sample : WG357262-02 PEST CCV 20 PPB
Misc : 1,1 STD43387
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 15:00:15 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

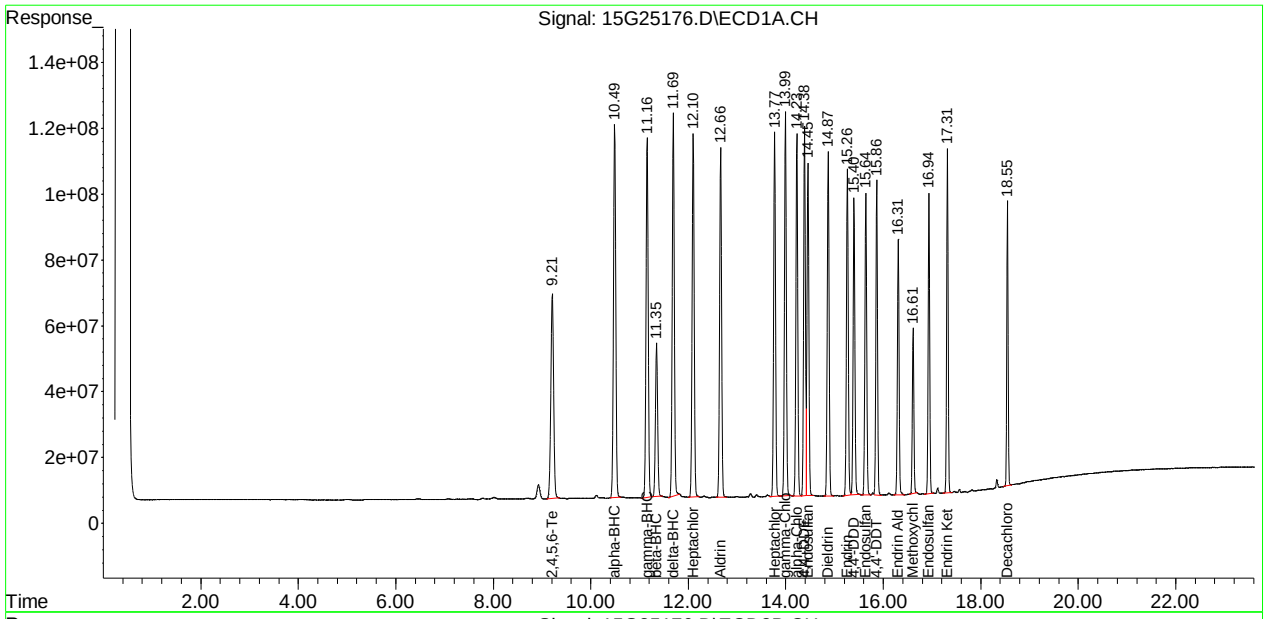
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	2452.9E6	1881.3E6	18.890	19.492
	Spiked Amount	20.000	Range 30 - 132		Recovery =	94.45%	97.46%
22) S	Decachlorobiphen	18.55	18.87	1594.5E6	1120.7E6	17.930	17.502
	Spiked Amount	20.000	Range 36 - 144		Recovery =	89.65%	87.51%
	Target Compounds						
2)	alpha-BHC	10.49	10.50	3665.8E6	2879.1E6	19.034	20.541
3)	gamma-BHC	11.16	11.23	3366.7E6	2709.3E6	18.830	20.024
4)	beta-BHC	11.35	11.41	1447.3E6	1165.2E6	18.408	19.567
5)	Heptachlor	12.10	12.08	3258.8E6	2556.7E6	18.916	19.964
6)	delta-BHC	11.69	11.98	3393.4E6	2762.0E6	18.903	20.068
7)	Aldrin	12.66	12.69	3006.2E6	2472.7E6	19.418	19.848
8)	Heptachlor Epoxi	13.77	13.75	2936.2E6	2086.0E6	18.869	20.145
9)	gamma-Chlordane	13.99	14.08	3063.3E6	2271.1E6	18.947	19.352
10)	alpha-Chlordane	14.23	14.34	2862.5E6	2169.5E6	18.906	19.050
11)	Endosulfan I	14.45	14.43	2683.0E6	1885.3E6	19.477	20.100
12)	4,4'-DDE	14.38	14.65	2810.2E6	2128.5E6	19.715	19.738
13)	Dieldrin	14.87	14.92	2741.6E6	2191.4E6	20.423	19.744
14)	Endrin	15.26	15.44	2557.4E6	1877.3E6	19.102	20.269
15)	4,4'-DDD	15.40	15.65	2237.5E6	1724.7E6	19.198	19.676
16)	Endosulfan II	15.64	15.80	2362.7E6	1807.4E6	19.185	19.137
17)	4,4'-DDT	15.86	16.16	2223.0E6	1686.9E6	18.900	19.122
18)	Endrin Aldehyde	16.31	16.34	1830.0E6	1317.1E6	18.622	18.915
19)	Endosulfan Sulfa	16.94	16.74	1967.9E6	1551.1E6	18.459	18.601
20)	Methoxychlor	16.61	17.13	1075.3E6	775.9E6	18.836	18.349
21)	Endrin Ketone	17.31	17.46	2192.3E6	1595.4E6	18.618	18.479

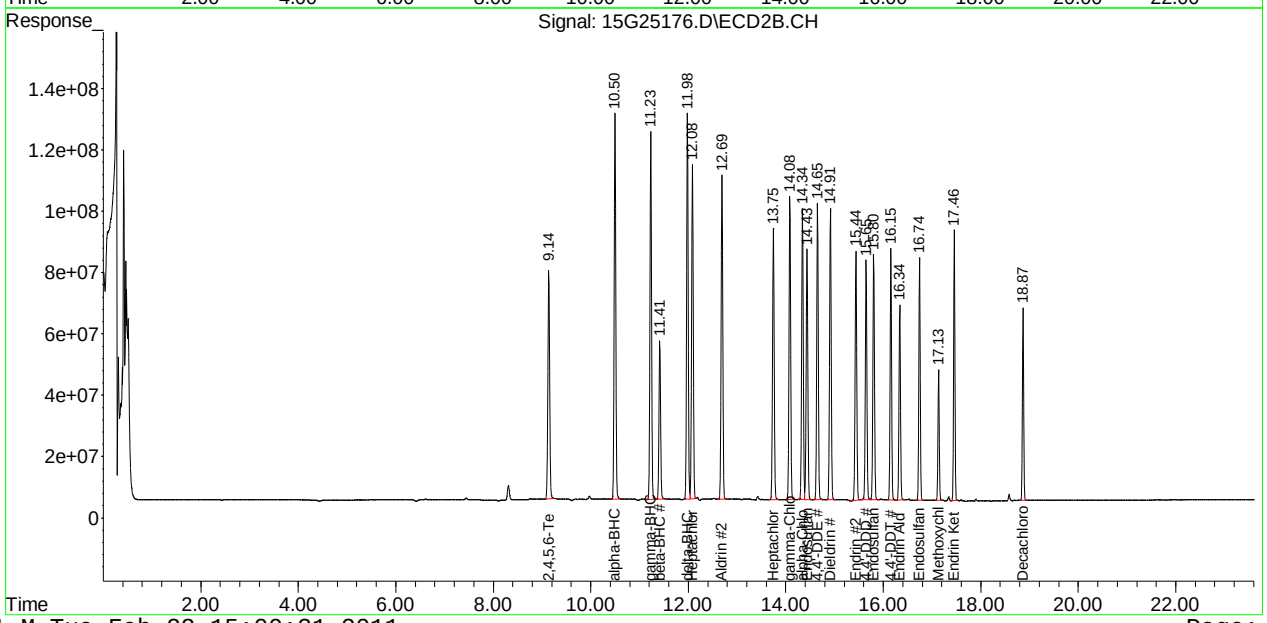
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25176.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 13:24 (#1); 22 Feb 2011 13:53 (#2)
Operator : ECL
Sample : WG357262-02 PEST CCV 20 PPB
Misc : 1,1 STD43387
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 15:00:15 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25177.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 14:54 (#1); 22 Feb 2011 15:22 (#2)
Operator : ECL
Sample : WG357263-01 TOX CCV 500 PPB
Misc : 1,1 STD43915
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 22 16:09:08 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.04	14.88	570.6E6	527.6E6	447.546	482.536
2)	L1 Toxaphene-2	15.84	15.94	910.7E6	1585.7E6	483.155	478.245
3)	L1 Toxaphene-3	16.81	16.73	1543.4E6	479.1E6	456.800	475.739
4)	L1 Toxaphene-4	17.04	17.07	684.9E6	1016.8E6	450.888	442.165
5)	L1 Toxaphene-5	17.50	17.58	645.2E6	410.5E6	459.306	467.104
	Sum Toxaphene-1			4354.8E6	4019.6E6	2297.696	2345.789
Average	Toxaphene-1					459.539	469.158

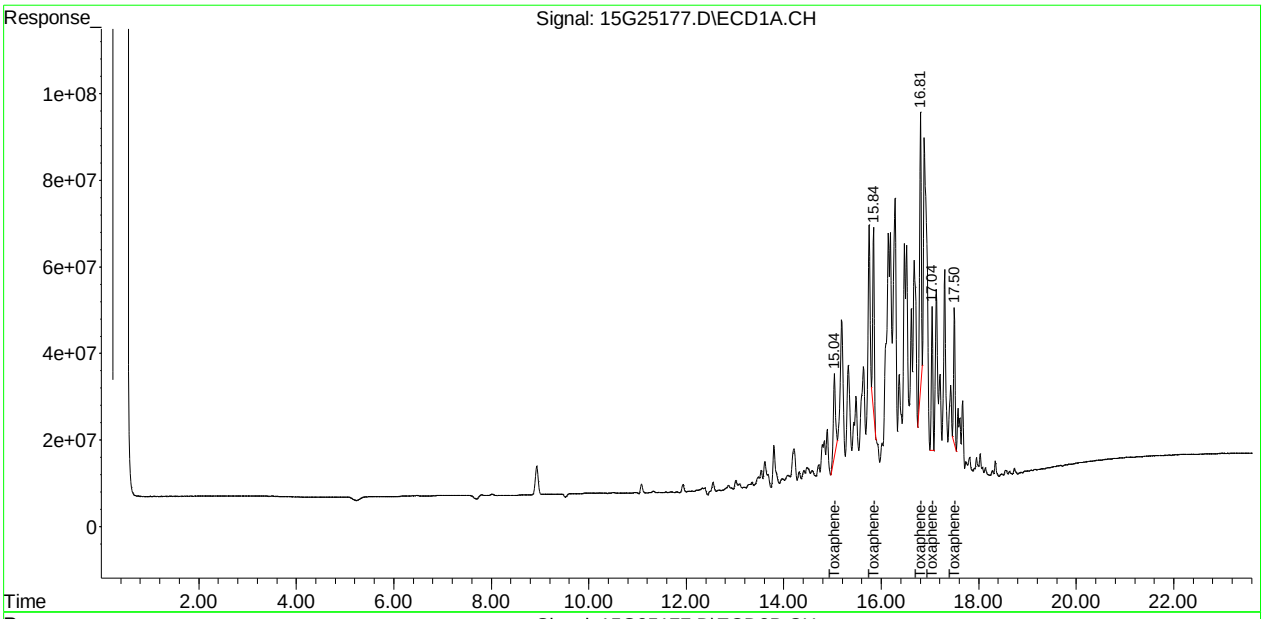
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

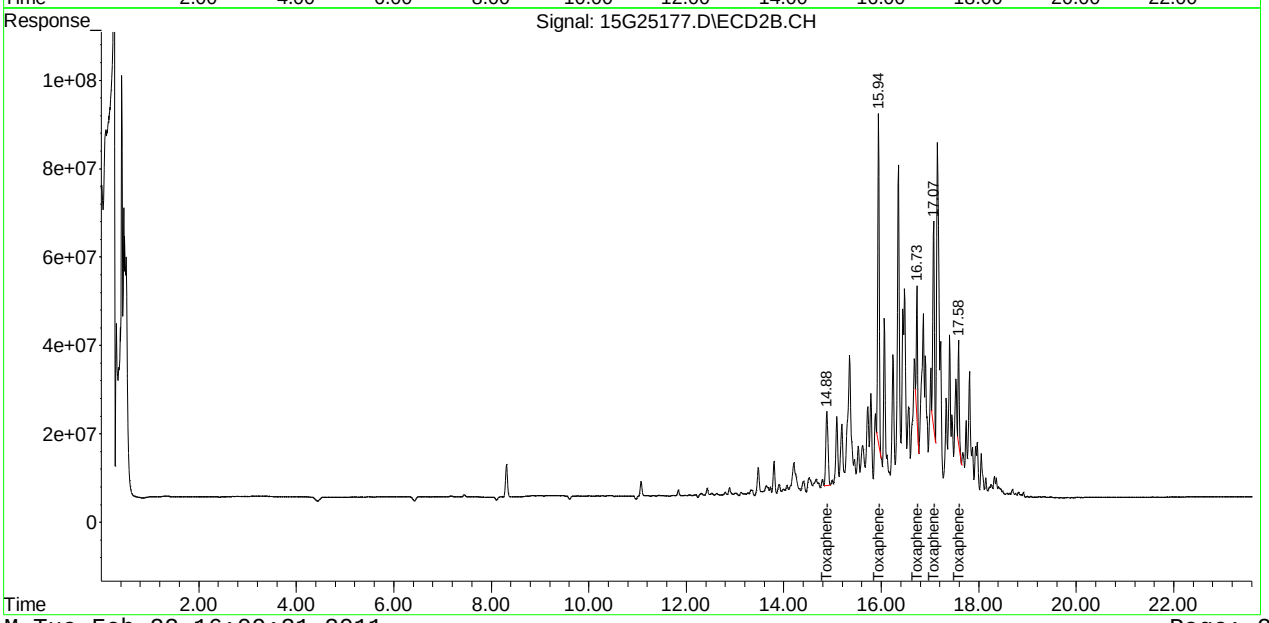
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25177.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 14:54 (#1); 22 Feb 2011 15:22 (#2)
Operator : ECL
Sample : WG357263-01 TOX CCV 500 PPB
Misc : 1,1 STD43915
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 22 16:09:08 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25187.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 19:37 (#1); 22 Feb 2011 20:06 (#2)
Operator : ECL
Sample : WG357262-03 PEST CCV 10 PPB
Misc : 1,1 STD43387
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 09:44:22 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

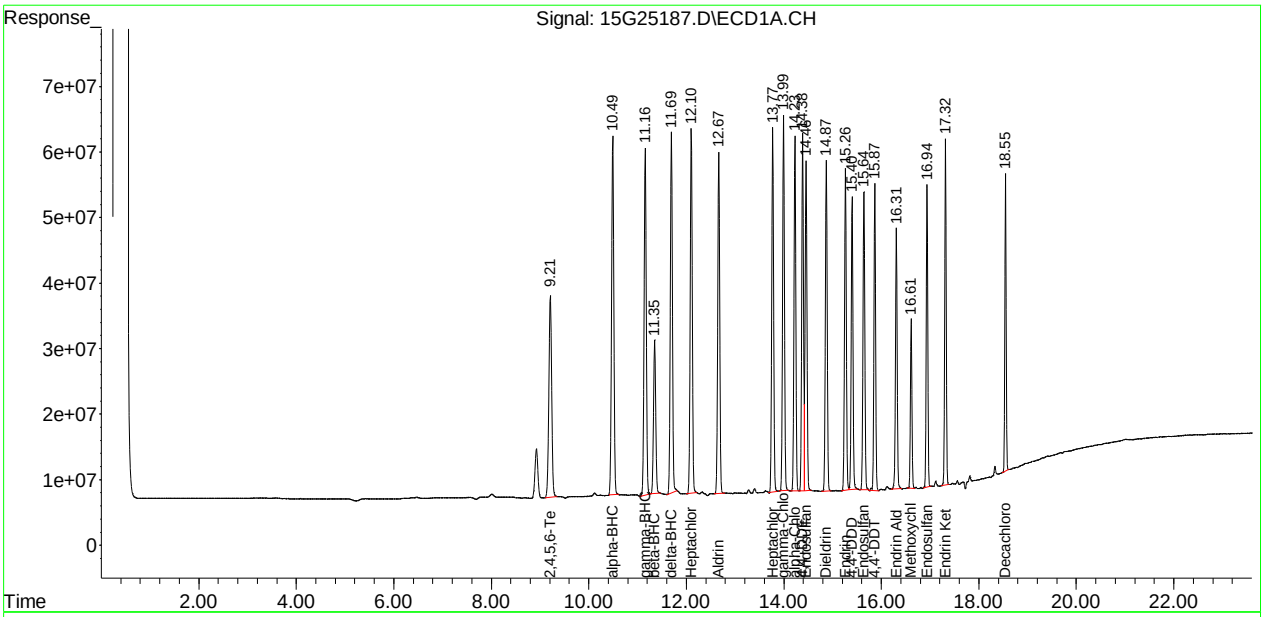
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1222.5E6	937.6E6	9.415	9.715
	Spiked Amount	20.000	Range 30 - 132		Recovery =	47.07%	48.58%
22) S	Decachlorobiphen	18.55	18.86	846.3E6	607.9E6	9.517	9.494
	Spiked Amount	20.000	Range 36 - 144		Recovery =	47.59%	47.47%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	1751.6E6	1397.1E6	9.095	9.968
3)	gamma-BHC	11.16	11.23	1641.1E6	1318.8E6	9.179	9.747
4)	beta-BHC	11.35	11.41	728.8E6	586.9E6	9.269	9.856
5)	Heptachlor	12.10	12.08	1624.2E6	1291.4E6	9.428	10.084
6)	delta-BHC	11.69	11.98	1620.9E6	1339.8E6	9.029	9.735
7)	Aldrin	12.67	12.69	1477.1E6	1236.9E6	9.541	9.928
8)	Heptachlor Epoxi	13.77	13.74	1479.4E6	1058.3E6	9.508	10.221
9)	gamma-Chlordane	13.99	14.08	1510.9E6	1136.9E6	9.345	9.687
10)	alpha-Chlordane	14.23	14.34	1416.5E6	1093.9E6	9.356	9.605
11)	Endosulfan I	14.46	14.43	1341.2E6	964.0E6	9.736	10.278
12)	4,4'-DDE	14.39	14.65	1364.8E6	1059.1E6	9.575	9.821
13)	Dieldrin	14.87	14.91	1326.8E6	1095.1E6	9.884	9.866
14)	Endrin	15.26	15.44	1258.2E6	945.1E6	9.398	10.205
15)	4,4'-DDD	15.40	15.64	1099.1E6	857.2E6	9.430	9.779
16)	Endosulfan II	15.64	15.80	1183.9E6	924.6E6	9.613	9.790
17)	4,4'-DDT	15.87	16.15	1100.4E6	853.0E6	9.356	9.669
18)	Endrin Aldehyde	16.31	16.33	950.9E6	722.4E6	9.677	10.375
19)	Endosulfan Sulfa	16.94	16.74	1004.5E6	801.6E6	9.423	9.612
20)	Methoxychlor	16.61	17.13	555.5E6	414.6E6	9.731	9.805
21)	Endrin Ketone	17.32	17.45	1119.0E6	819.4E6	9.503	9.490

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25187.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 19:37 (#1); 22 Feb 2011 20:06 (#2)
Operator : ECL
Sample : WG357262-03 PEST CCV 10 PPB
Misc : 1,1 STD43387
ALS Vial : 13 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 09:44:22 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25188.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 20:06 (#1); 22 Feb 2011 20:34 (#2)
Operator : ECL
Sample : WG357263-02 TOX CCV 200 PPB
Misc : 1,1 STD43915
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 23 09:44:59 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.03	14.88	219.9E6	220.5E6	172.513	201.710
2)	L1 Toxaphene-2	15.83	15.94	343.3E6	641.7E6	182.134	193.529
3)	L1 Toxaphene-3	16.80	16.73	616.2E6	194.8E6	182.379	193.467
4)	L1 Toxaphene-4	17.04	17.07	267.2E6	389.5E6	175.879	169.398
5)	L1 Toxaphene-5	17.49	17.58	248.8E6	165.8E6	177.115	188.660
	Sum Toxaphene-1			1695.4E6	1612.4E6	890.021	946.763
Average	Toxaphene-1					178.004	189.353

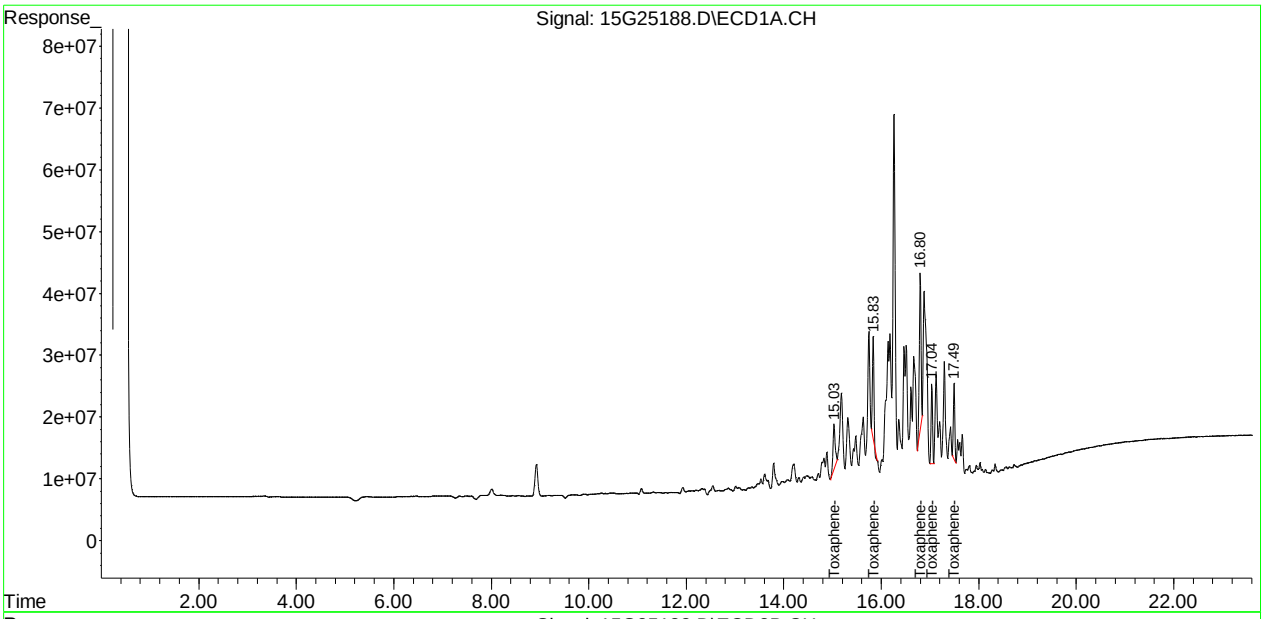
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

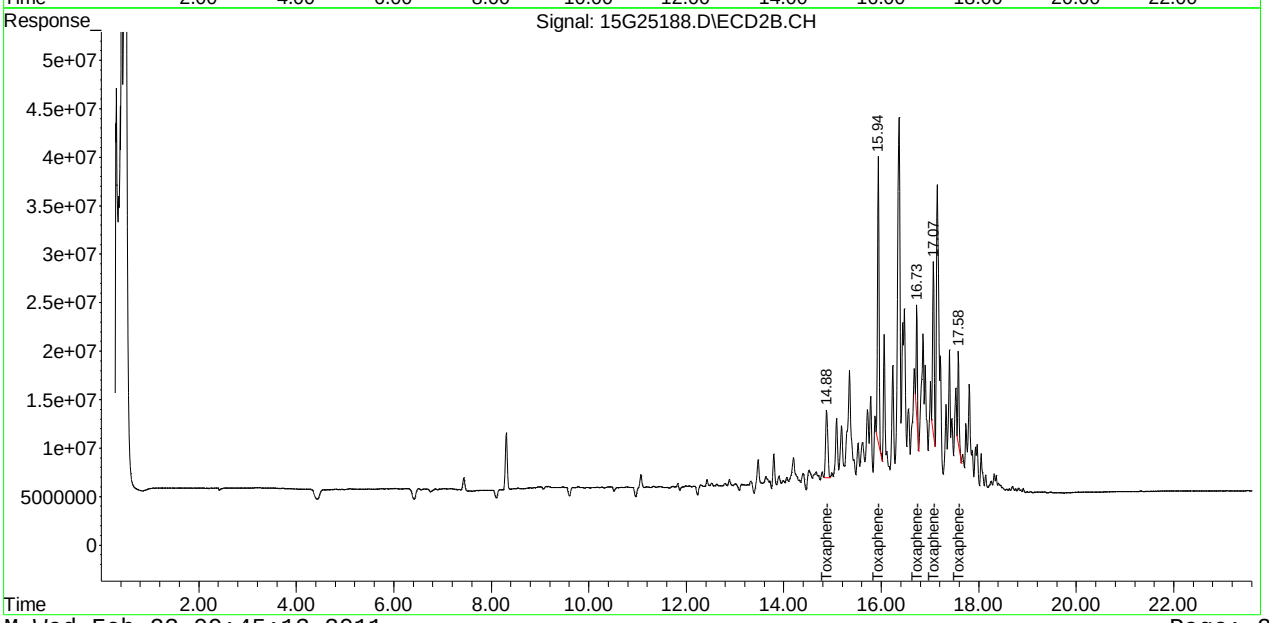
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25188.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 20:06 (#1); 22 Feb 2011 20:34 (#2)
Operator : ECL
Sample : WG357263-02 TOX CCV 200 PPB
Misc : 1,1 STD43915
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 23 09:44:59 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 14:48 (#1); 18 Feb 2011 15:16 (#2)
Operator : ECL
Sample : WG357038-01 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 17:37:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 11, 2011
QLast Update : Tue Feb 15 11:13:20 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 132		Recovery =		0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 36 - 144		Recovery =		0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.39	14.65	108.7E6	76503705	0.824	0.851
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.27	15.44	6997.1E6	4374.1E6	56.195	54.470
15)	4,4'-DDD	15.41	0.00	201.2E6	0	1.945	N.D. #
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	15.87	16.16	6020.9E6	4017.7E6	52.345	54.407
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.32	17.46	95779535	91045998	0.899	1.294 #

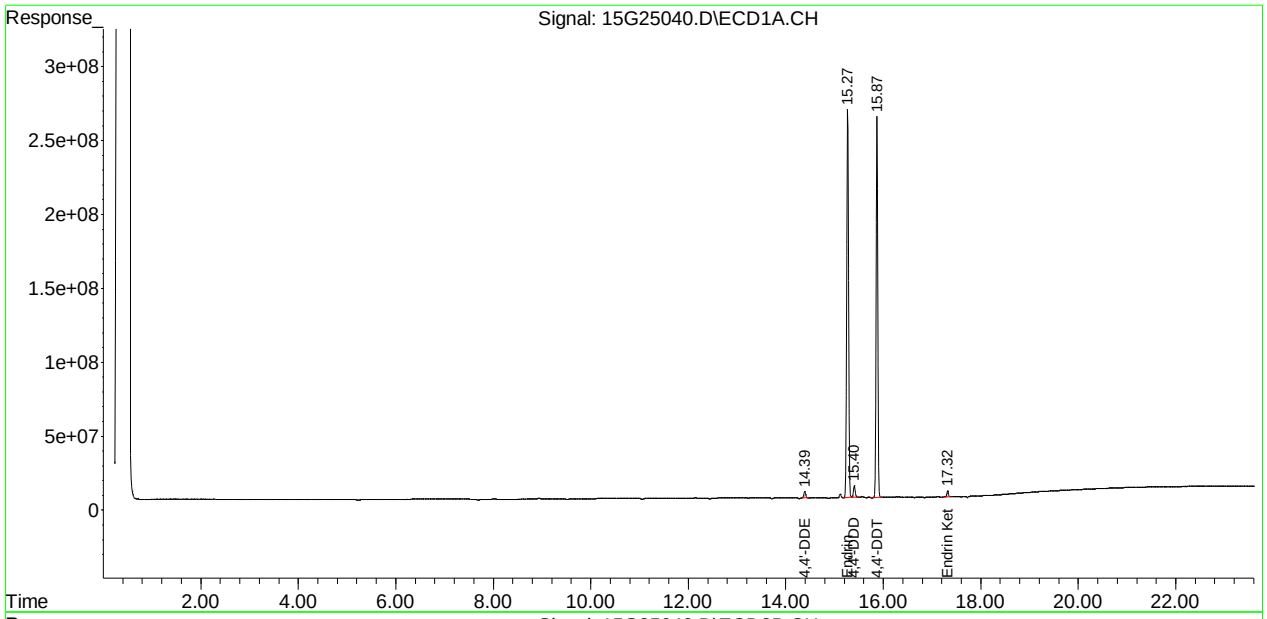
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

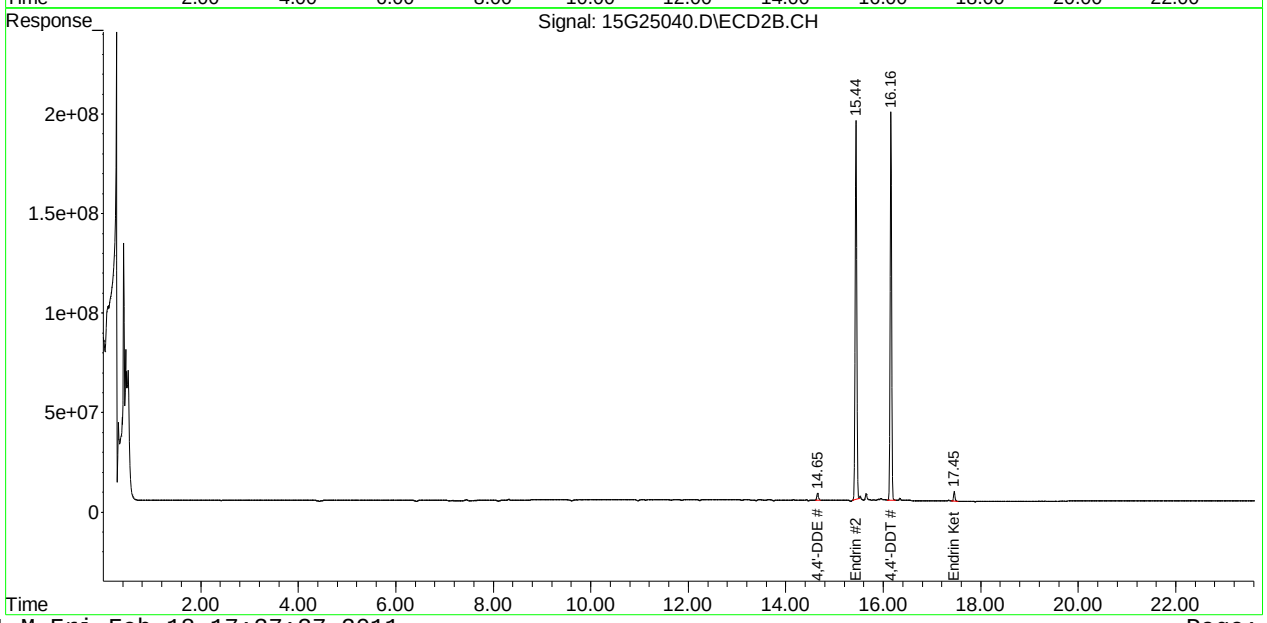
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25040.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 Feb 2011 14:48 (#1); 18 Feb 2011 15:16 (#2)
Operator : ECL
Sample : WG357038-01 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 18 17:37:34 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 11, 2011
QLast Update : Tue Feb 15 11:13:20 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25065.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 4:31 (#1); 19 Feb 2011 5:00 (#2)
Operator : ECL
Sample : WG357038-02 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:00:54 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

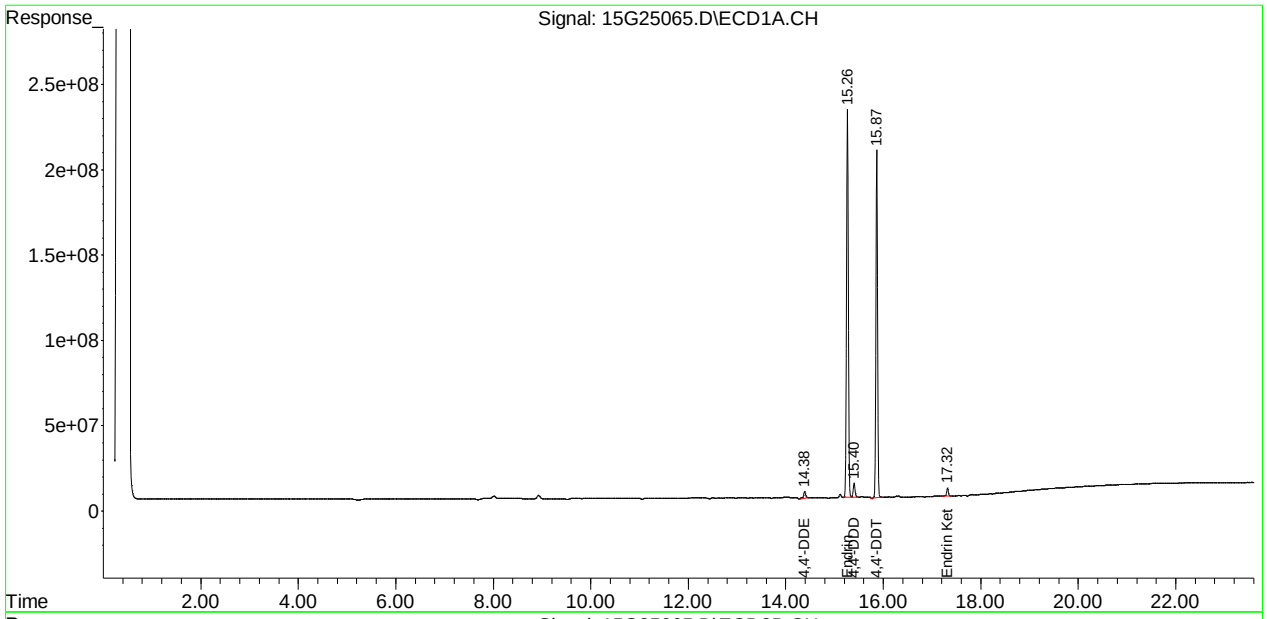
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 132		Recovery =		0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 36 - 144		Recovery =		0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.39	14.65	122.5E6	77135185	0.860	0.715
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.26	15.43	5844.3E6	4325.9E6	43.653	46.707
15)	4,4'-DDD	15.40	15.64	208.1E6	187.7E6	1.786	2.142
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	15.87	16.15	4717.7E6	3664.5E6	40.110	41.540
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.32	17.45	110.9E6	101.6E6	0.942	1.177

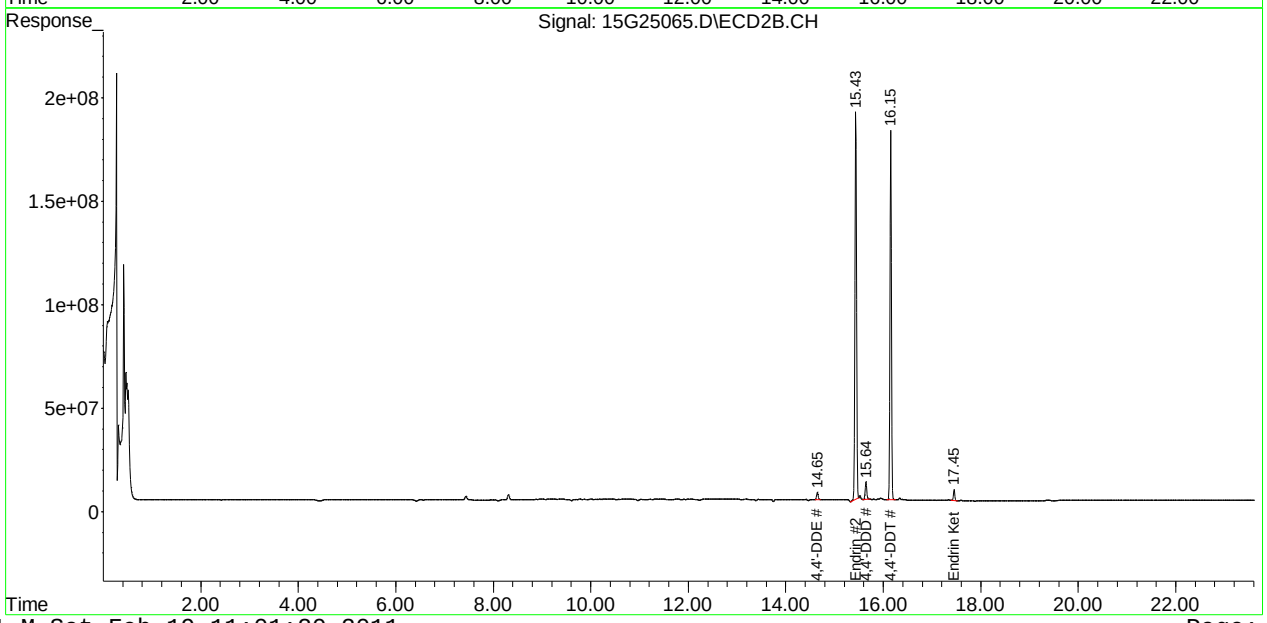
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25065.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 4:31 (#1); 19 Feb 2011 5:00 (#2)
Operator : ECL
Sample : WG357038-02 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:00:54 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25079.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 11:32 (#1); 19 Feb 2011 12:00 (#2)
Operator : ECL
Sample : WG357044-01 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:15:32 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 132		Recovery =		0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 36 - 144		Recovery =		0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.38	14.64	203.3E6	79486594	1.426	0.737 #
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.26	15.43	6826.2E6	4424.6E6	50.987	47.773
15)	4,4'-DDD	15.40	15.64	281.4E6	127.3E6	2.415	1.452 #
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	15.86	16.15	5518.1E6	3894.4E6	46.915	44.147
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.31	17.45	109.3E6	101.3E6	0.928	1.173 #

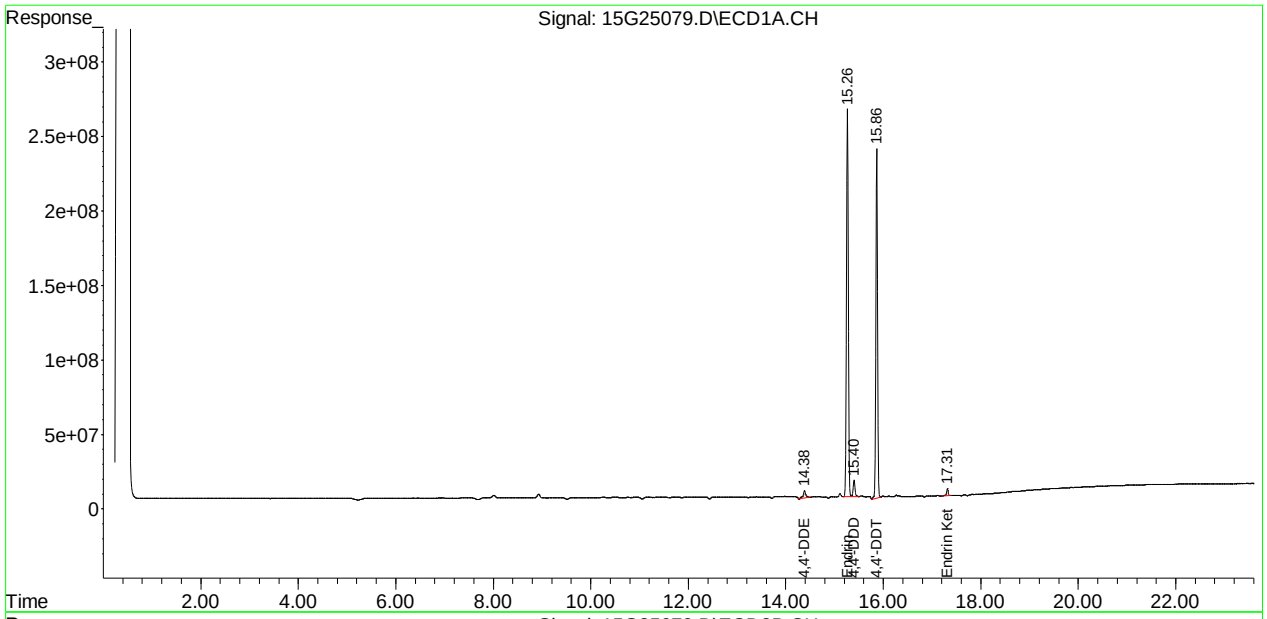
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

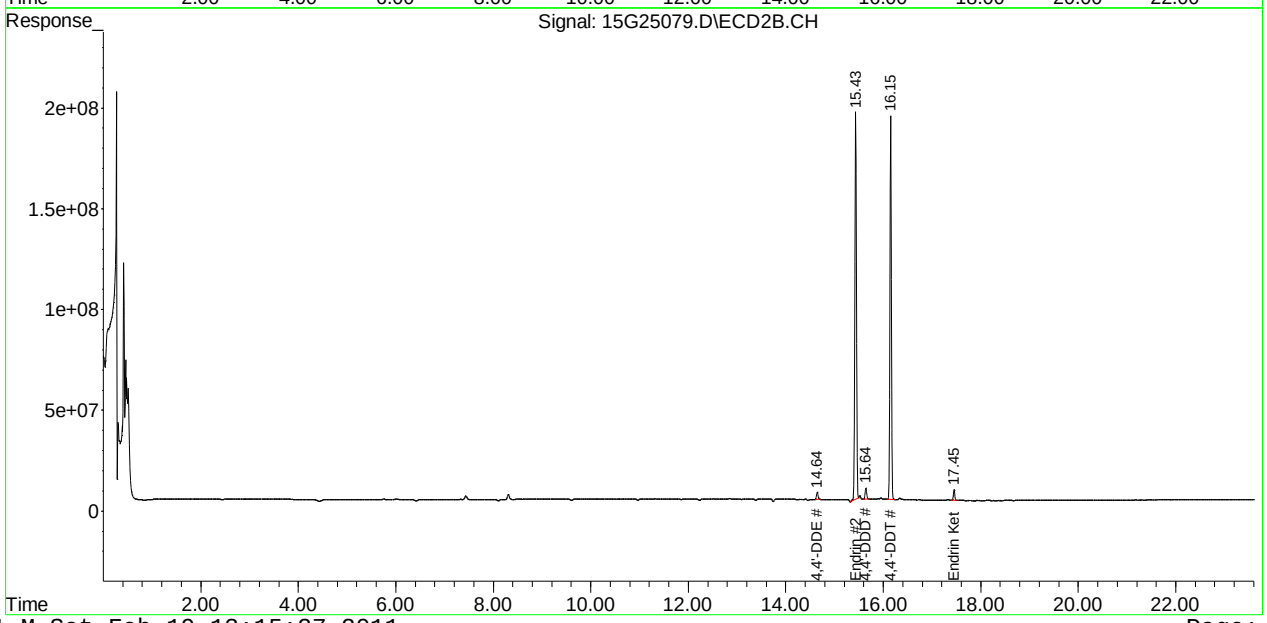
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25079.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 11:32 (#1); 19 Feb 2011 12:00 (#2)
Operator : ECL
Sample : WG357044-01 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 13:15:32 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Feb 2011 00:08 (#1); 20 Feb 2011 00:36 (#2)
Operator : ECL
Sample : WG357044-04 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:00:29 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 132		Recovery =		0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 36 - 144		Recovery =		0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.38	14.65	231.0E6	134.8E6	1.621	1.250
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.26	15.43	6510.3E6	4239.1E6	48.628	45.771
15)	4,4'-DDD	15.39	15.64	298.4E6	225.1E6	2.561	2.568
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	15.86	16.15	5184.6E6	3771.3E6	44.080	42.751
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.31	17.45	113.5E6	114.5E6	0.964	1.326 #

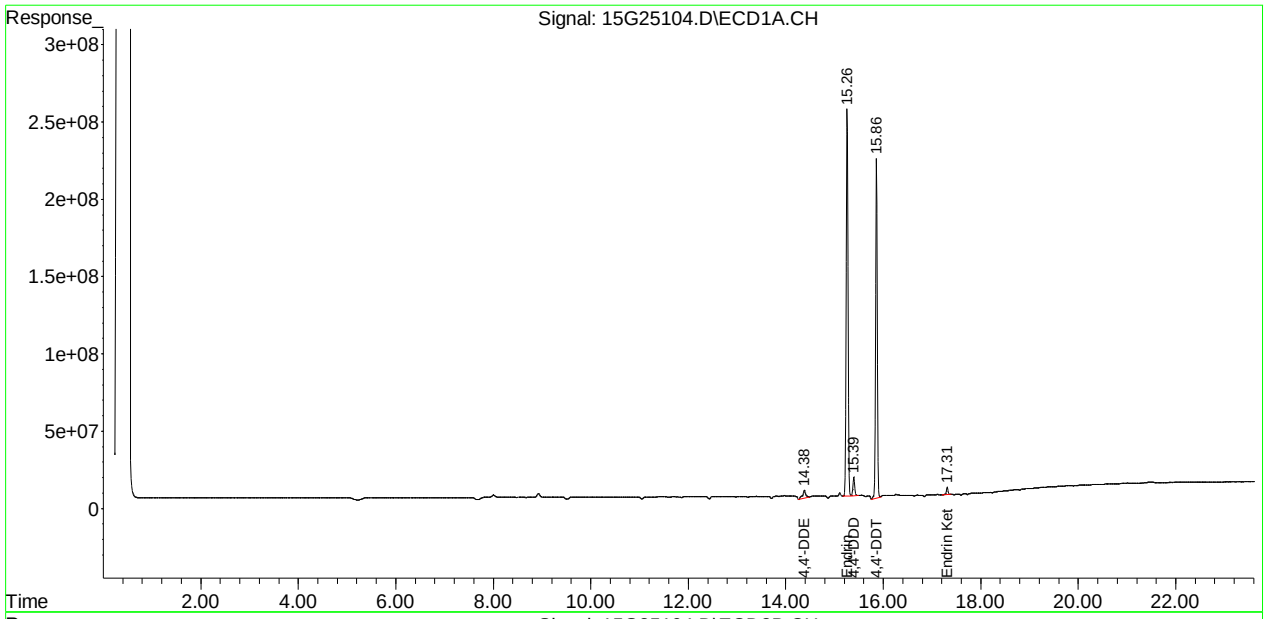
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

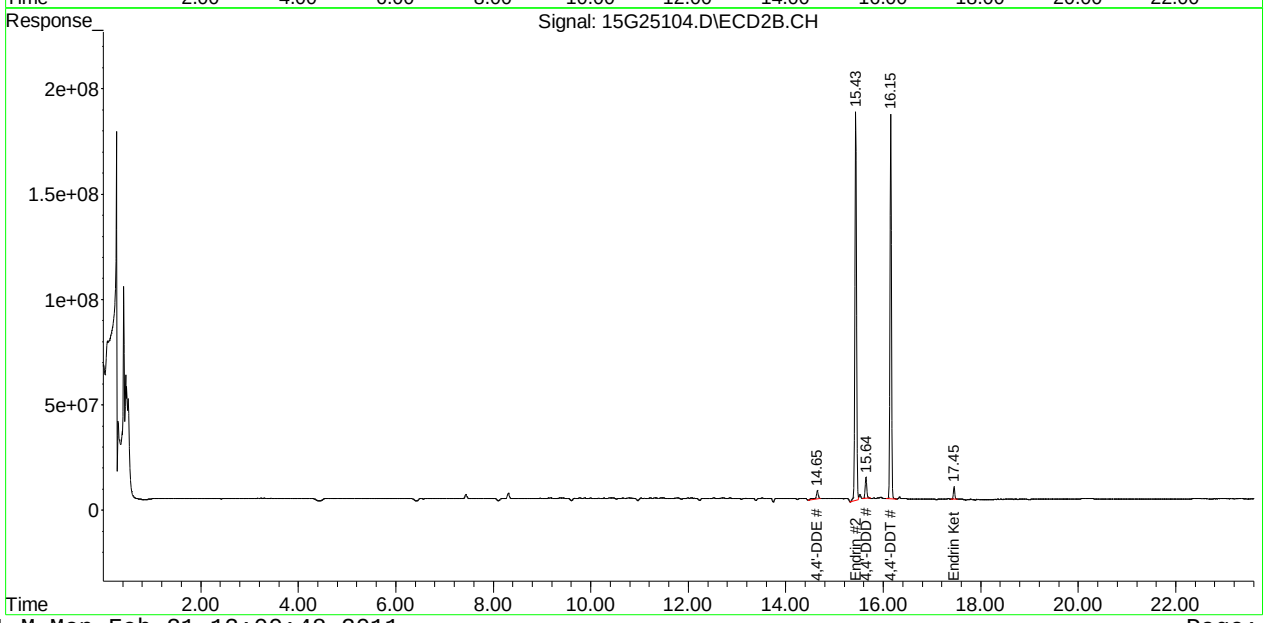
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021911\
Data File : 15G25104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 20 Feb 2011 00:08 (#1); 20 Feb 2011 00:36 (#2)
Operator : ECL
Sample : WG357044-04 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 21 12:00:29 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25175.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 12:56 (#1); 22 Feb 2011 13:24 (#2)
Operator : ECL
Sample : WG357262-01 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 15:00:43 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

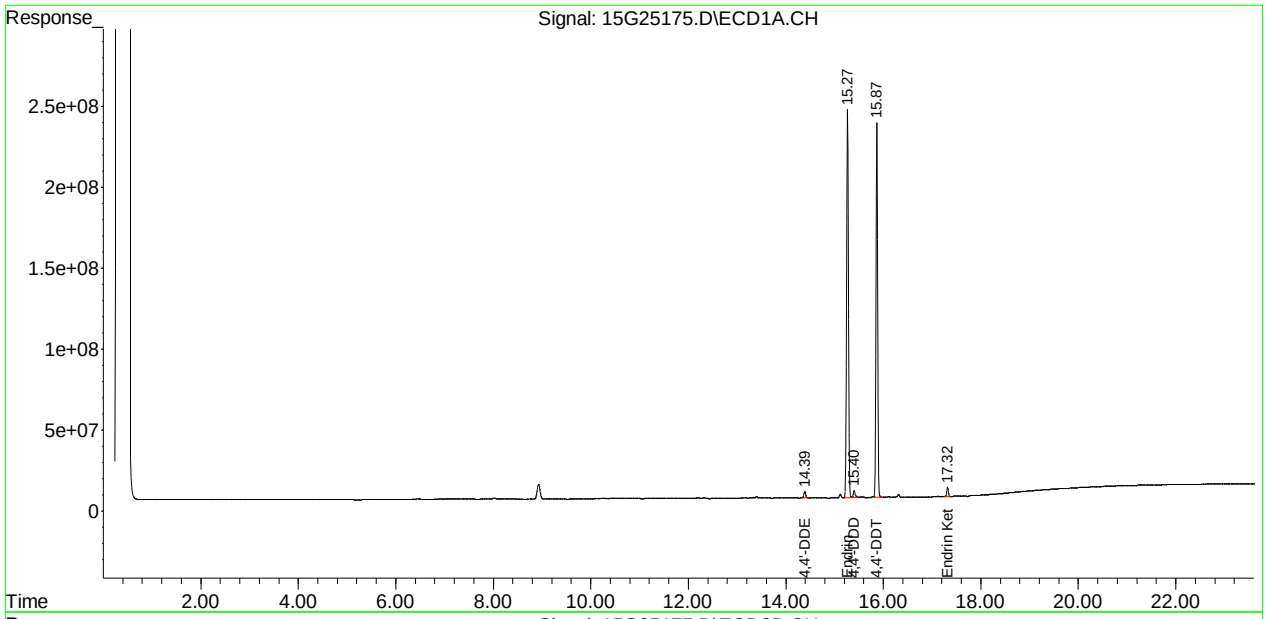
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 132		Recovery =		0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 36 - 144		Recovery =		0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.39	14.65	97570294	74262637	0.685	0.689
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.27	15.44	6297.0E6	4441.6E6	47.034	47.957
15)	4,4'-DDD	15.40	0.00	109.7E6	0	0.942	N.D. #
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	15.87	16.16	5387.6E6	3935.0E6	45.806	44.607
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.32	17.45	124.4E6	61828307	1.057	0.716 #

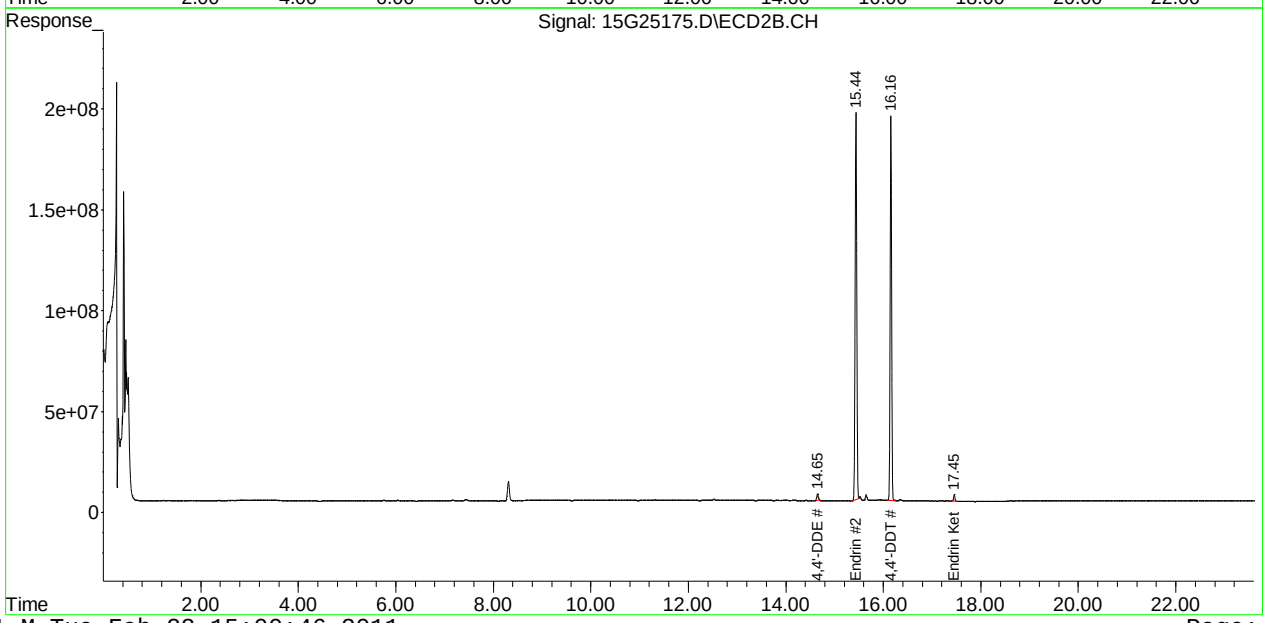
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\022211\
Data File : 15G25175.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 12:56 (#1); 22 Feb 2011 13:24 (#2)
Operator : ECL
Sample : WG357262-01 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 22 15:00:43 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25219.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 23 Feb 2011 10:43 (#1); 23 Feb 2011 11:12 (#2)
Operator : ECL
Sample : WG357262-05 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:46:15 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

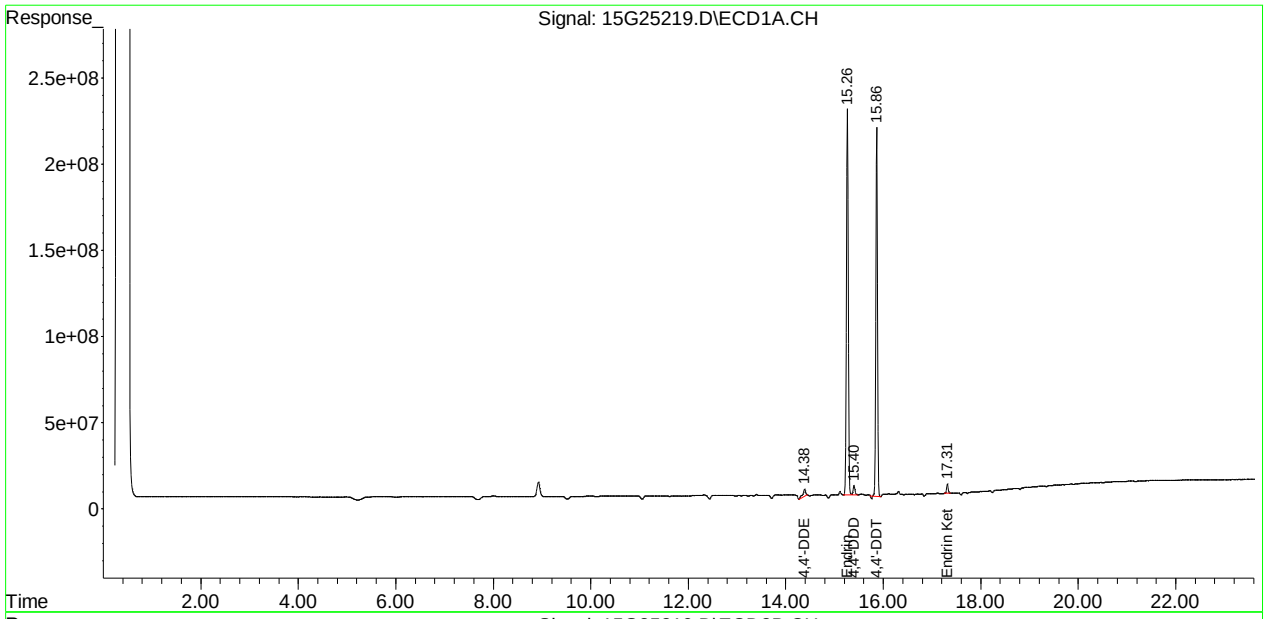
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 30 - 132		Recovery =		0.00%#	0.00%#
22) S	Decachlorobiphen	0.00	0.00	0	0	N.D.	N.D.
	Spiked Amount 20.000	Range 36 - 144		Recovery =		0.00%#	0.00%#
	Target Compounds						
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.
11)	Endosulfan I	0.00	0.00	0	0	N.D.	N.D.
12)	4,4'-DDE	14.38	14.65	172.2E6	73837682	1.208	0.685 #
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.
14)	Endrin	15.26	15.43	5863.8E6	3774.1E6	43.799	40.749
15)	4,4'-DDD	15.40	15.64	137.7E6	99634967	1.181	1.137
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.
17)	4,4'-DDT	15.86	16.15	4977.3E6	3757.9E6	42.317	42.600
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.
21)	Endrin Ketone	17.31	17.45	118.5E6	65465572	1.006	0.758

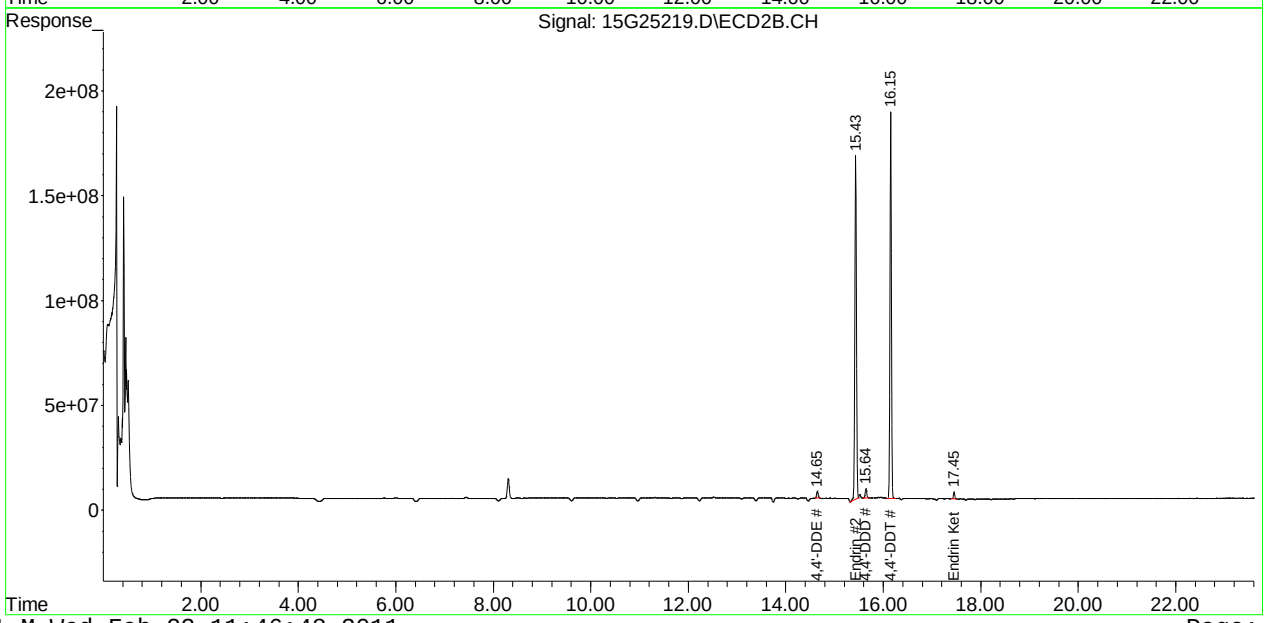
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25219.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 23 Feb 2011 10:43 (#1); 23 Feb 2011 11:12 (#2)
Operator : ECL
Sample : WG357262-05 ENDRIN/DDT
Misc : 1,1 STD39983
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:46:15 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





RETENTION TIME WINDOWS

Lab Name: Microbac Laboratories

Instrument ID: HP 15

GC Column: RTx-CLP (Front)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	8/27/09	8/28/09	9/1/09
File #	15G18733	15G18777	15G18817

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
alpha-BHC	10.90	10.89	10.89	0.017
gamma-BHC	11.58	11.57	11.56	0.030
beta-BHC	11.77	11.76	11.75	0.030
Heptachlor	12.53	12.51	12.51	0.035
delta-BHC	12.12	12.11	12.10	0.030
Aldrin	13.09	13.08	13.08	0.017
Heptachlor Epoxide	14.22	14.21	14.20	0.030
gamma-Chlordane	14.44	14.43	14.42	0.030
alpha-Chlordane	14.67	14.66	14.66	0.017
Endosulfan I	14.91	14.90	14.90	0.017
4,4'-DDE	14.82	14.81	14.80	0.030
Dieldrin	15.33	15.32	15.31	0.030
Endrin	15.73	15.72	15.71	0.030
4,4'-DDD	15.84	15.83	15.83	0.017
Endosulfan II	16.09	16.09	16.08	0.017
4,4'-DDT	16.28	16.27	16.27	0.017
Endrin Aldehyde	16.73	16.73	16.72	0.017
Endosulfan Sulfate	17.34	17.34	17.33	0.017
Methoxychlor	16.99	16.98	16.97	0.030
Endrin Ketone	17.71	17.70	17.70	0.017
2,4,5,6-Tetrachloro-M-Xylene	9.60	9.59	9.59	0.017
Decachlorobiphenyl	18.89	18.89	18.88	0.017

RETENTION TIME WINDOWS

Lab Name: Microbac Laboratories

Instrument ID: HP 15
GC Column: RTx-CLP II (Rear)

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	8/27/09	8/28/09	9/1/09
File #	15G18733	15G18777	15G18817

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
alpha-BHC	10.70	10.70	10.70	0.000
gamma-BHC	11.44	11.44	11.43	0.017
beta-BHC	11.61	11.61	11.61	0.000
Heptachlor	12.30	12.30	12.29	0.017
delta-BHC	12.18	12.19	12.18	0.017
Aldrin	12.91	12.91	12.90	0.017
Heptachlor Epoxide	13.96	13.97	13.96	0.017
gamma-Chlordane	14.30	14.30	14.30	0.000
alpha-Chlordane	14.56	14.56	14.56	0.000
Endosulfan I	14.66	14.66	14.66	0.000
4,4'-DDE	14.87	14.87	14.86	0.017
Dieldrin	15.14	15.14	15.14	0.000
Endrin	15.67	15.67	15.67	0.000
4,4'-DDD	15.86	15.86	15.86	0.000
Endosulfan II	16.02	16.02	16.01	0.017
4,4'-DDT	16.35	16.35	16.35	0.000
Endrin Aldehyde	16.54	16.54	16.53	0.017
Endosulfan Sulfate	16.93	16.93	16.93	0.000
Methoxychlor	17.30	17.30	17.30	0.000
Endrin Ketone	17.63	17.63	17.63	0.000
2,4,5,6-Tetrachloro-M-Xylene	9.33	9.33	9.33	0.000
Decachlorobiphenyl	19.03	19.03	19.03	0.000

2.1.2.5 Raw QC Data

Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25060.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 2:09 (#1); 19 Feb 2011 2:38 (#2)
Operator : ECL
Sample : WG356905-01 BLANK
Misc : 1,1 WATER
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:59:21 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.21	9.13	2036.7E6	1492.2E6	15.685	15.460	
	Spiked Amount	20.000	Range 30 - 132		Recovery =	78.42%	77.30%	
22) S	Decachlorobiphen	18.55	18.86	1261.6E6	963.7E6	14.186	15.051	
	Spiked Amount	20.000	Range 36 - 144		Recovery =	70.93%	75.26%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	0.00	0	0	N.D.	N.D.	
6)	delta-BHC	0.00	11.98	0	47989962	N.D.	0.349	#
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	13.97f	0.00	68987926	0	0.427	N.D.	#
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	14.48f	0.00	51784014	0	0.376	N.D.	#
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.	
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

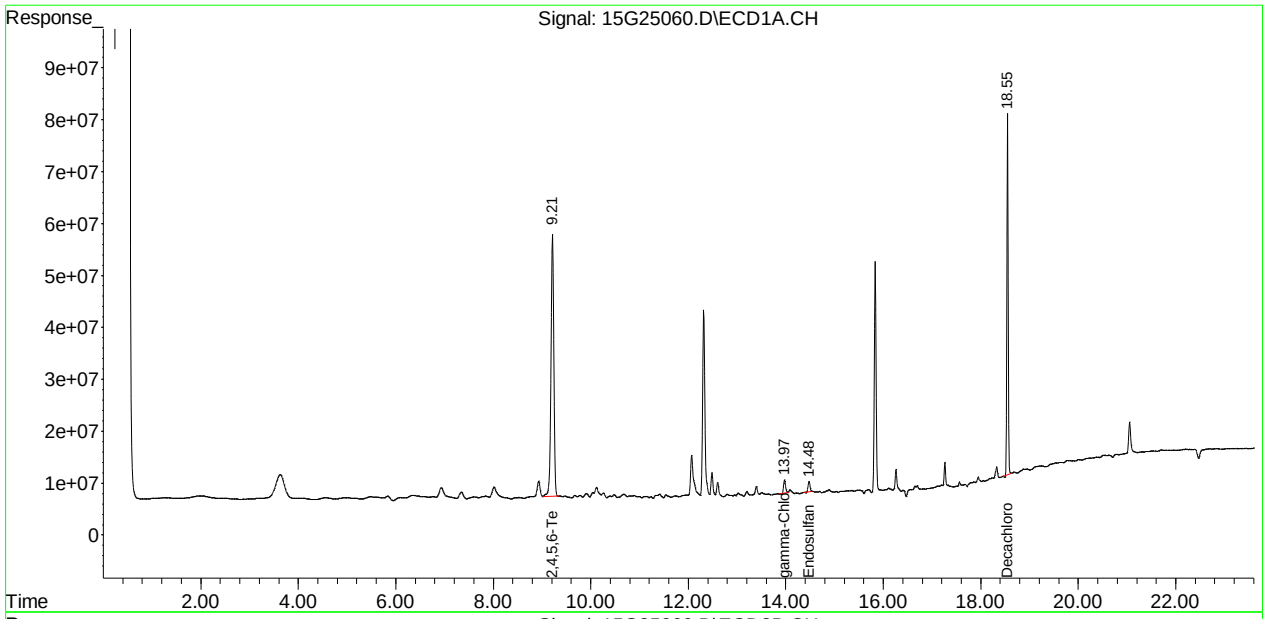
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

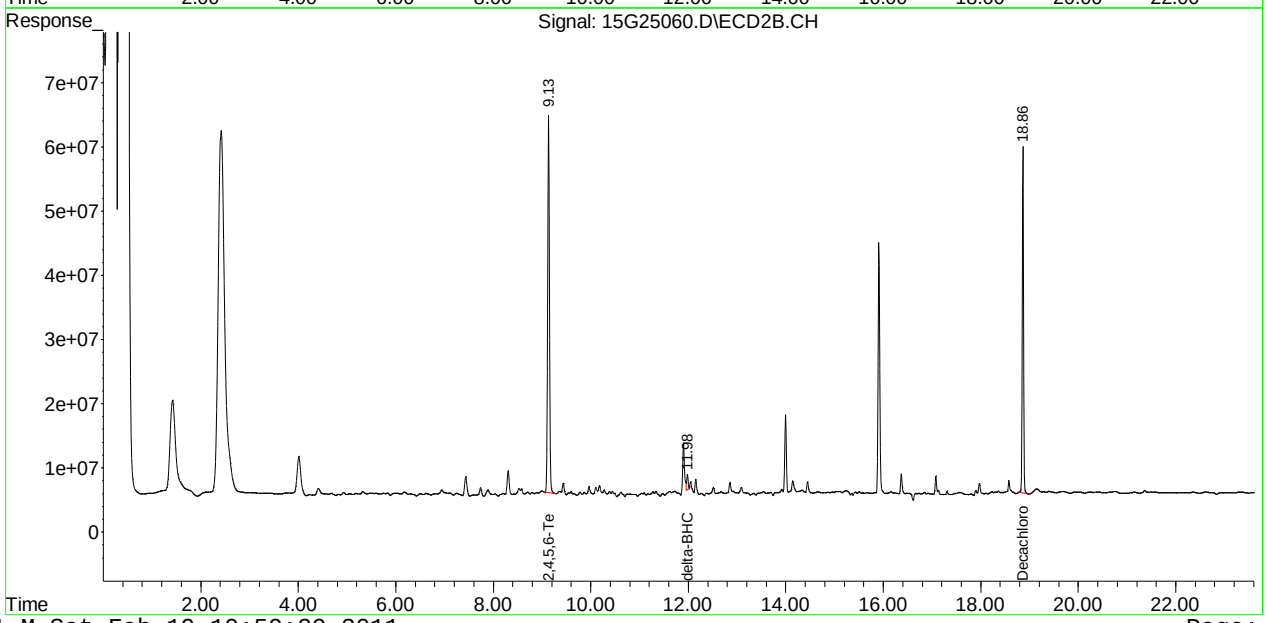
Quantitation Report (Not Reviewed)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25060.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 2:09 (#1); 19 Feb 2011 2:38 (#2)
Operator : ECL
Sample : WG356905-01 BLANK
Misc : 1,1 WATER
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 10:59:21 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25178.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 15:22 (#1); 22 Feb 2011 15:51 (#2)
Operator : ECL
Sample : WG356900-02 BLANK
Misc : 7,1 SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:04 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L	
	System Monitoring Compounds							
1) S	2,4,5,6-Tetrachl	9.21	9.14	1823.3E6	1372.7E6	14.042	14.222	
	Spiked Amount	20.000	Range 29 - 133		Recovery =	70.21%	71.11%	
22) S	Decachlorobiphen	18.55	18.87	1399.7E6	962.5E6	15.740	15.031	
	Spiked Amount	20.000	Range 30 - 173		Recovery =	78.70%	75.16%	
	Target Compounds							
2)	alpha-BHC	0.00	0.00	0	0	N.D.	N.D.	
3)	gamma-BHC	0.00	0.00	0	0	N.D.	N.D.	
4)	beta-BHC	0.00	0.00	0	0	N.D.	N.D.	
5)	Heptachlor	0.00	12.05f	0	67506036	N.D.	0.527	#
6)	delta-BHC	0.00	0.00	0	0	N.D.	N.D.	
7)	Aldrin	0.00	0.00	0	0	N.D.	N.D.	
8)	Heptachlor Epoxi	0.00	0.00	0	0	N.D.	N.D.	
9)	gamma-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
10)	alpha-Chlordane	0.00	0.00	0	0	N.D.	N.D.	
11)	Endosulfan I	14.48f	0.00	137.9E6	0	1.001	N.D.	#
12)	4,4'-DDE	0.00	0.00	0	0	N.D.	N.D.	
13)	Dieldrin	0.00	0.00	0	0	N.D.	N.D.	
14)	Endrin	0.00	0.00	0	0	N.D.	N.D.	
15)	4,4'-DDD	0.00	0.00	0	0	N.D.	N.D.	
16)	Endosulfan II	0.00	0.00	0	0	N.D.	N.D.	
17)	4,4'-DDT	0.00	0.00	0	0	N.D.	N.D.	
18)	Endrin Aldehyde	0.00	0.00	0	0	N.D.	N.D.	
19)	Endosulfan Sulfa	0.00	0.00	0	0	N.D.	N.D.	
20)	Methoxychlor	0.00	0.00	0	0	N.D.	N.D.	
21)	Endrin Ketone	0.00	0.00	0	0	N.D.	N.D.	

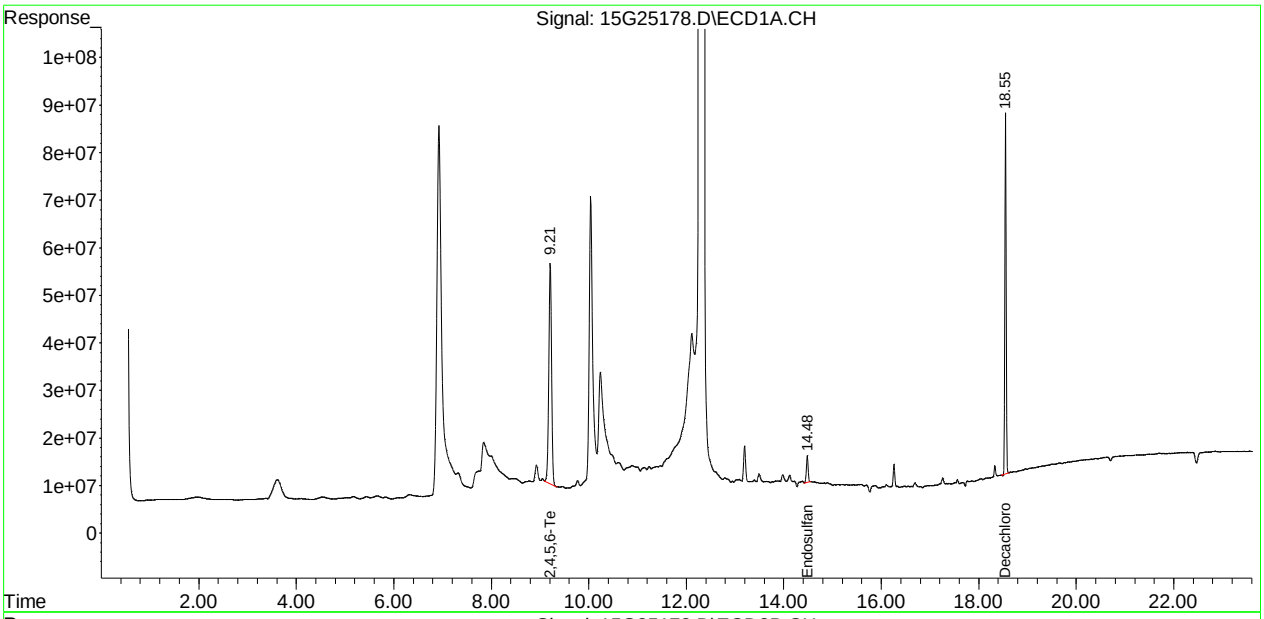
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

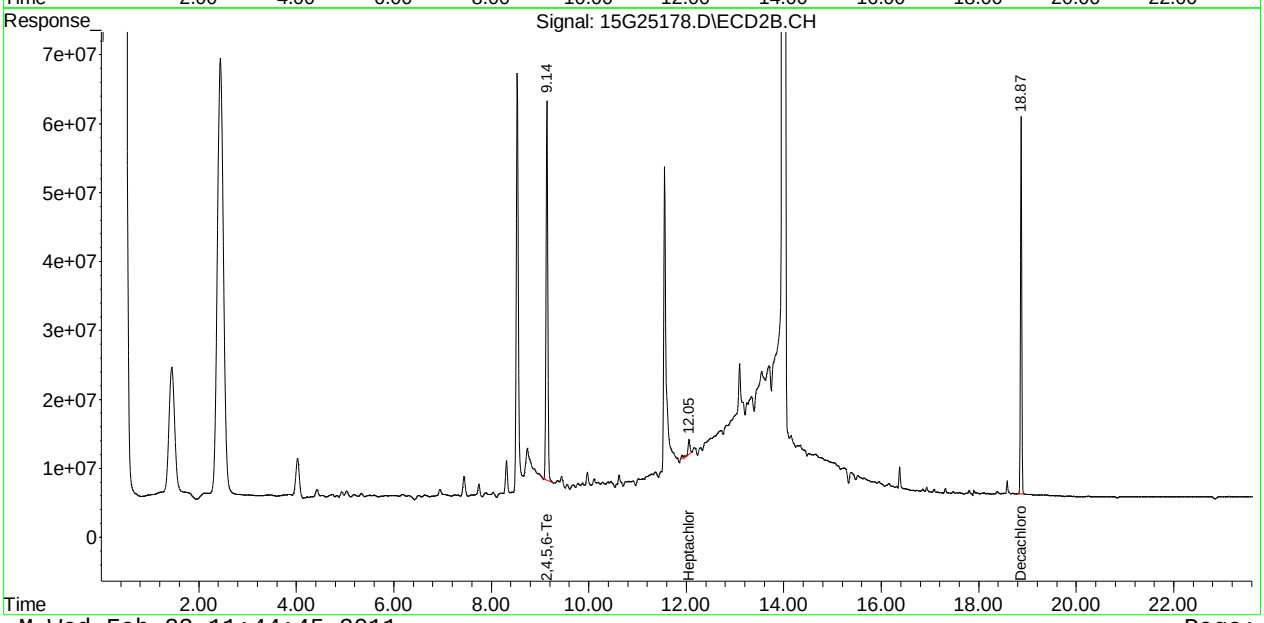
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25178.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 15:22 (#1); 22 Feb 2011 15:51 (#2)
Operator : ECL
Sample : WG356900-02 BLANK
Misc : 7,1 SOIL
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:04 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25061.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 2:38 (#1); 19 Feb 2011 3:06 (#2)
Operator : ECL
Sample : WG356905-02 LCS
Misc : 1,1 WATER
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:00:02 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

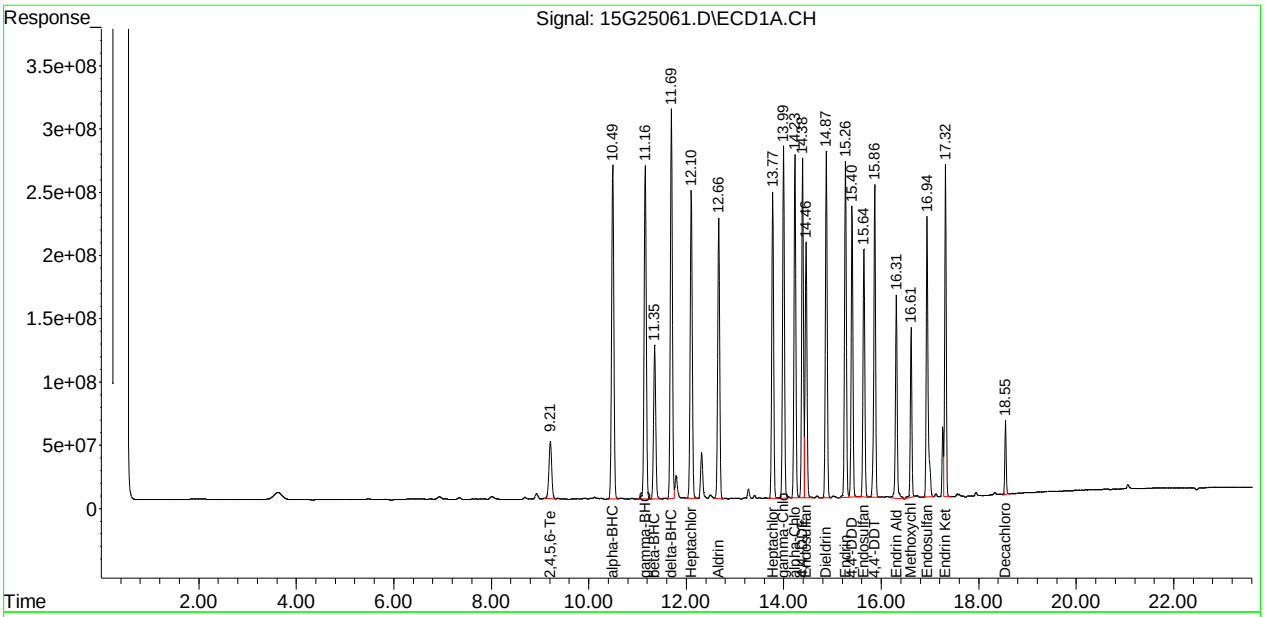
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.13	1804.3E6	1361.5E6	13.896	14.106
	Spiked Amount	20.000	Range 30 - 132		Recovery =	69.48%	70.53%
22) S	Decachlorobiphen	18.55	18.86	1078.5E6	783.5E6	12.128	12.235
	Spiked Amount	20.000	Range 36 - 144		Recovery =	60.64%	61.18%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	8396.2E6	6147.7E6	43.596	43.862
3)	gamma-BHC	11.16	11.23	8145.3E6	6180.1E6	45.557	45.676
4)	beta-BHC	11.35	11.41	3741.5E6	2707.3E6	47.587	45.462
5)	Heptachlor	12.10	12.08	7169.7E6	5462.3E6	41.617	42.652
6)	delta-BHC	11.69	11.98	8944.4E6	6295.4E6	49.826	45.742
7)	Aldrin	12.66	12.69	6276.1E6	5102.3E6	40.538	40.955
8)	Heptachlor Epoxi	13.77	13.74	6445.1E6	4717.7E6	41.419	45.561
9)	gamma-Chlordane	13.99	14.08	7264.0E6	5473.9E6	44.929	46.642
10)	alpha-Chlordane	14.23	14.34	6985.6E6	5312.7E6	46.137	46.651
11)	Endosulfan I	14.46	14.43	5328.9E6	3929.0E6	38.685	41.888
12)	4,4'-DDE	14.38	14.65	6669.3E6	5072.7E6	46.790	47.039
13)	Dieldrin	14.87	14.91	7074.6E6	5445.4E6	52.702	49.061
14)	Endrin	15.26	15.44	6872.5E6	5053.6E6	51.333	54.565
15)	4,4'-DDD	15.40	15.64	5603.9E6	4444.6E6	48.082	50.705
16)	Endosulfan II	15.64	15.80	5001.8E6	3908.7E6	40.614	41.385
17)	4,4'-DDT	15.87	16.15	6077.3E6	4198.5E6	51.669	47.594
18)	Endrin Aldehyde	16.31	16.33	3977.2E6	2886.6E6	40.473	41.456
19)	Endosulfan Sulfa	16.94	16.74	5748.4E6	3771.7E6	53.922	45.229
20)	Methoxychlor	16.61	17.13	2884.1E6	2237.1E6	50.519	52.905
21)	Endrin Ketone	17.32	17.45	5586.1E6	4110.9E6	47.439	47.614

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25061.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 2:38 (#1); 19 Feb 2011 3:06 (#2)
Operator : ECL
Sample : WG356905-02 LCS
Misc : 1,1 WATER
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:00:02 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25179.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 15:51 (#1); 22 Feb 2011 16:19 (#2)
Operator : ECL
Sample : WG356900-03 LCS
Misc : 7,1 SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:14 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.14	1748.4E6	1344.5E6	13.465	13.930
	Spiked Amount	20.000	Range 29 - 133		Recovery =	67.33%	69.65%
22) S	Decachlorobiphen	18.55	18.87	1317.4E6	935.5E6	14.814	14.609
	Spiked Amount	20.000	Range 30 - 173		Recovery =	74.07%	73.05%
	Target Compounds						
2)	alpha-BHC	10.49	10.50	8604.6E6	6243.2E6	44.678	44.544
3)	gamma-BHC	11.16	11.23	7677.8E6	6104.4E6	42.943	45.117
4)	beta-BHC	11.35	11.42	3270.7E6	2499.4E6	41.600	41.971
5)	Heptachlor	12.10	12.09	7257.9E6	5726.0E6	42.129	44.712
6)	delta-BHC	11.69	11.98	7952.6E6	6335.1E6	44.301	46.030
7)	Aldrin	12.67	12.69	6279.7E6	5158.8E6	40.561	41.408
8)	Heptachlor Epoxi	13.77	13.75	5674.6E6	4058.7E6	36.468	39.196
9)	gamma-Chlordane	14.00	14.08	6940.9E6	5120.9E6	42.930	43.634
10)	alpha-Chlordane	14.23	14.34	6451.3E6	5088.2E6	42.608	44.680
11)	Endosulfan I	14.46	14.44	4918.1E6	3434.2E6	35.703	36.613
12)	4,4'-DDE	14.39	14.65	6652.5E6	5090.8E6	46.672	47.208
13)	Dieldrin	14.87	14.92	6063.6E6	5091.4E6	45.171	45.872
14)	Endrin	15.27	15.44	6172.4E6	4455.5E6	46.104	48.107
15)	4,4'-DDD	15.40	15.65	5219.8E6	4133.9E6	44.786	47.161
16)	Endosulfan II	15.64	15.80	4432.5E6	3493.6E6	35.991	36.990
17)	4,4'-DDT	15.87	16.16	5550.8E6	4253.4E6	47.193	48.216
18)	Endrin Aldehyde	16.31	16.34	3703.2E6	2612.3E6	37.685	37.516
19)	Endosulfan Sulfa	16.94	16.74	4906.2E6	3382.2E6	46.022	40.558
20)	Methoxychlor	16.61	17.13	2533.3E6	2328.7E6	44.376	55.072
21)	Endrin Ketone	17.32	17.46	5085.5E6	3727.4E6	43.188	43.172

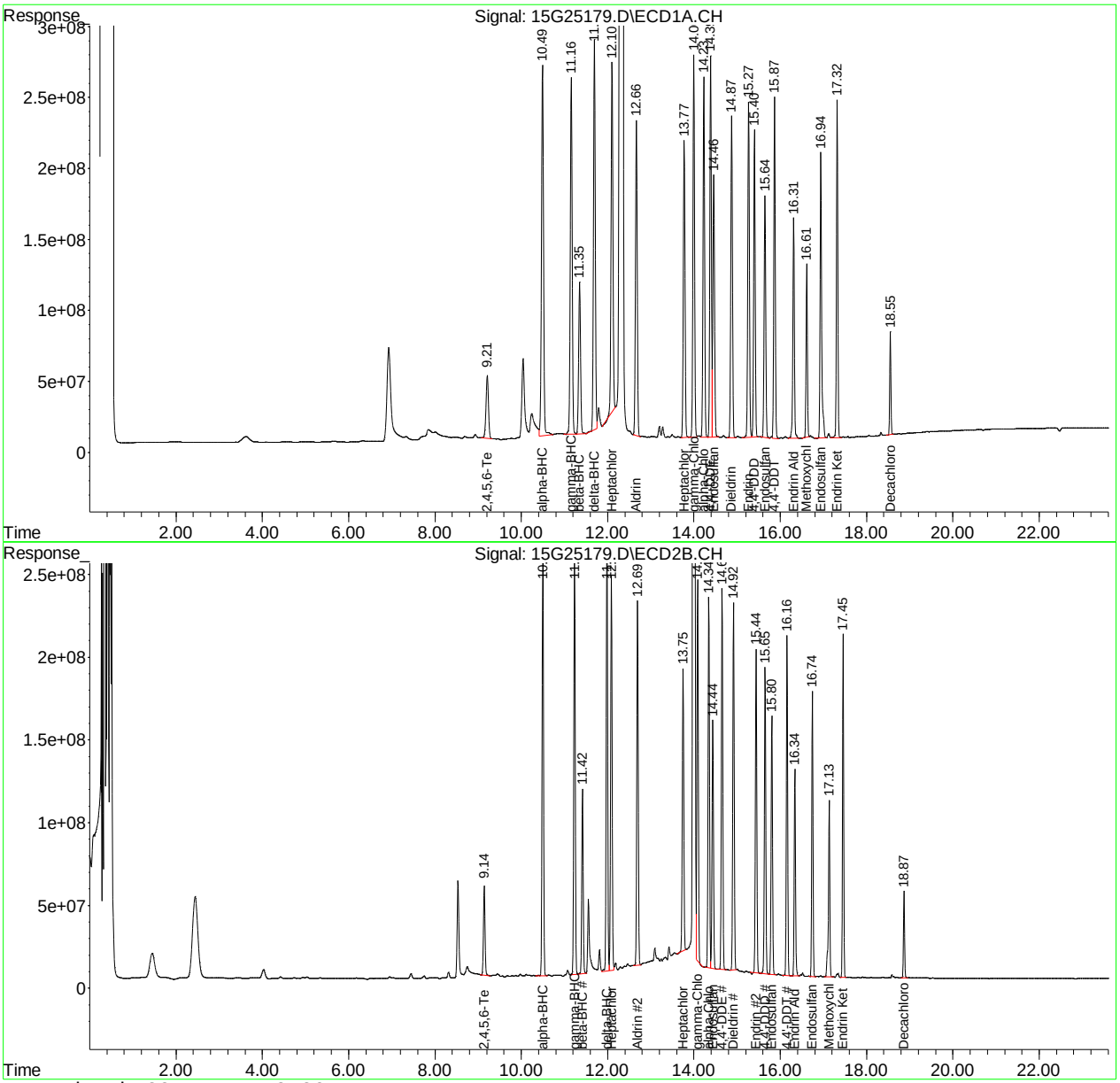
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25179.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 15:51 (#1); 22 Feb 2011 16:19 (#2)
Operator : ECL
Sample : WG356900-03 LCS
Misc : 7,1 SOIL
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 23 11:39:14 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Wed Feb 23 09:50:22 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25062.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 3:06 (#1); 19 Feb 2011 3:35 (#2)
Operator : ECL
Sample : WG356905-03 LCS DUP
Misc : 1,1 WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:06:31 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

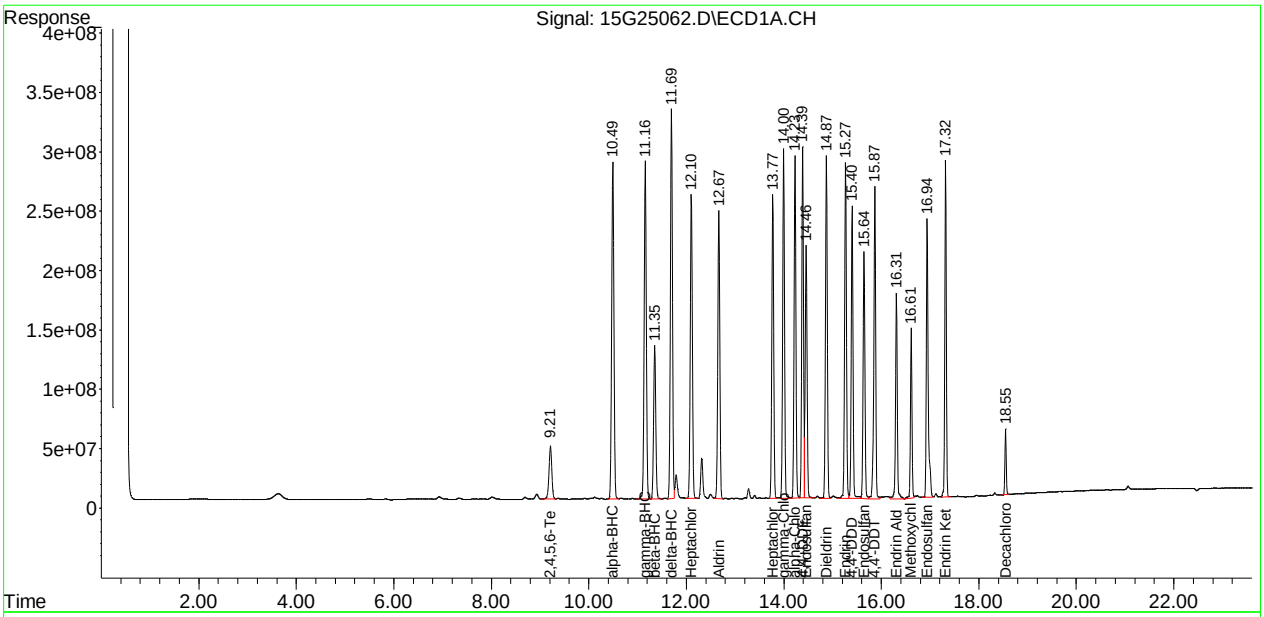
	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	System Monitoring Compounds						
1) S	2,4,5,6-Tetrachl	9.21	9.13	1790.3E6	1319.0E6	13.787	13.666
	Spiked Amount	20.000	Range 30 - 132		Recovery =	68.94%	68.33%
22) S	Decachlorobiphen	18.55	18.86	1002.5E6	735.5E6	11.273	11.486
	Spiked Amount	20.000	Range 36 - 144		Recovery =	56.36%	57.43%
	Target Compounds						
2)	alpha-BHC	10.49	10.49	9054.6E6	6621.1E6	47.015	47.240
3)	gamma-BHC	11.16	11.23	8680.6E6	6592.6E6	48.552	48.726
4)	beta-BHC	11.35	11.41	3980.7E6	2900.6E6	50.630	48.709
5)	Heptachlor	12.10	12.08	7557.0E6	5813.4E6	43.865	45.394
6)	delta-BHC	11.70	11.98	9535.4E6	6664.1E6	53.118	48.420
7)	Aldrin	12.67	12.69	6887.9E6	5608.1E6	44.490	45.015
8)	Heptachlor Epoxi	13.77	13.74	6794.6E6	4958.8E6	43.666	47.889
9)	gamma-Chlordane	14.00	14.08	7666.0E6	5799.7E6	47.415	49.418
10)	alpha-Chlordane	14.23	14.34	7372.9E6	5646.7E6	48.696	49.583
11)	Endosulfan I	14.46	14.43	5628.2E6	4133.3E6	40.858	44.066
12)	4,4'-DDE	14.39	14.65	7211.1E6	5504.5E6	50.591	51.044
13)	Dieldrin	14.87	14.91	7492.6E6	5725.8E6	55.816	51.587
14)	Endrin	15.27	15.43	7373.4E6	5304.5E6	55.075	57.274
15)	4,4'-DDD	15.40	15.64	6118.3E6	4720.7E6	52.496	53.855
16)	Endosulfan II	15.64	15.80	5388.5E6	4137.4E6	43.754	43.806
17)	4,4'-DDT	15.87	16.15	6811.6E6	4565.6E6	57.913	51.756
18)	Endrin Aldehyde	16.31	16.33	4306.7E6	3101.4E6	43.826	44.540
19)	Endosulfan Sulfa	16.94	16.74	6074.0E6	4006.6E6	56.976	48.046
20)	Methoxychlor	16.61	17.13	3106.0E6	2431.1E6	54.406	57.492m
21)	Endrin Ketone	17.32	17.45	5991.2E6	4427.4E6	50.880	51.280

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25062.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 3:06 (#1); 19 Feb 2011 3:35 (#2)
Operator : ECL
Sample : WG356905-03 LCS DUP
Misc : 1,1 WATER
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:06:31 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

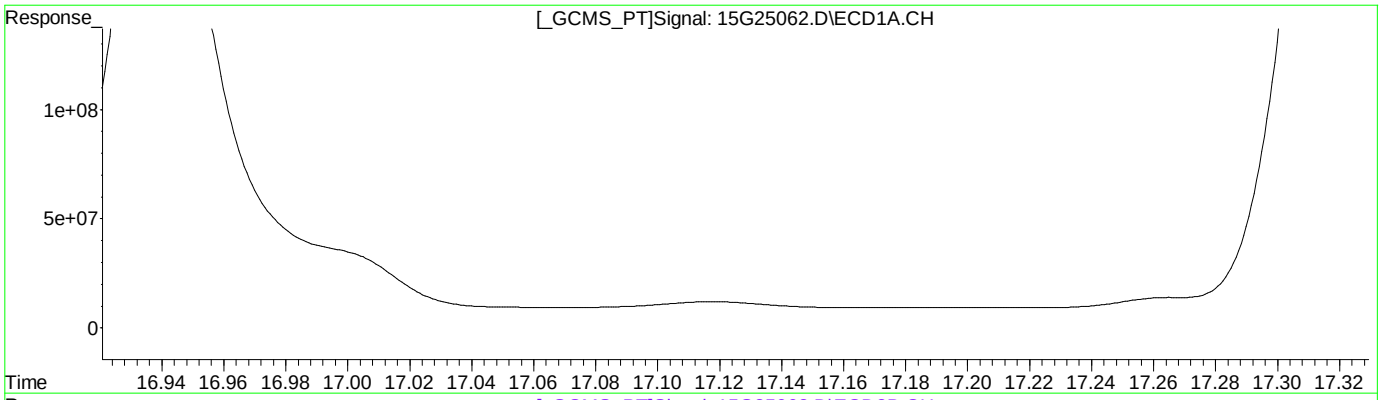


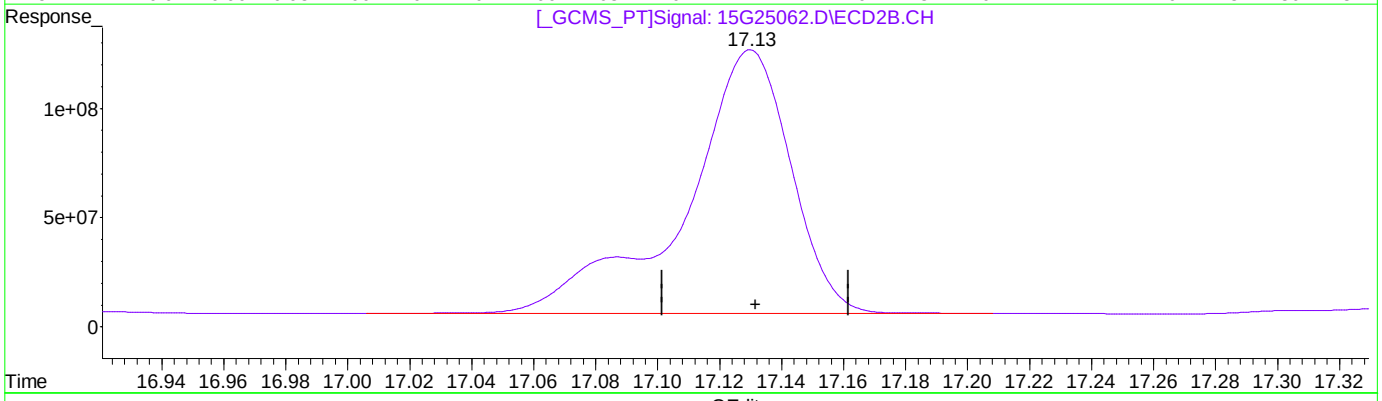
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25062.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Feb 2011   3:06 (#1); 19 Feb 2011   3:35 (#2)
Operator : ECL
Sample   : WG356905-03 LCS DUP
Misc   : 1,1 WATER
ALS Vial : 23   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:06:04 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :





QEdit

(20) Methoxychlor

16.61min 54.406UG/L

response 3105971588

(20) Methoxychlor #2

17.13min 68.061UG/L

response 2877966188

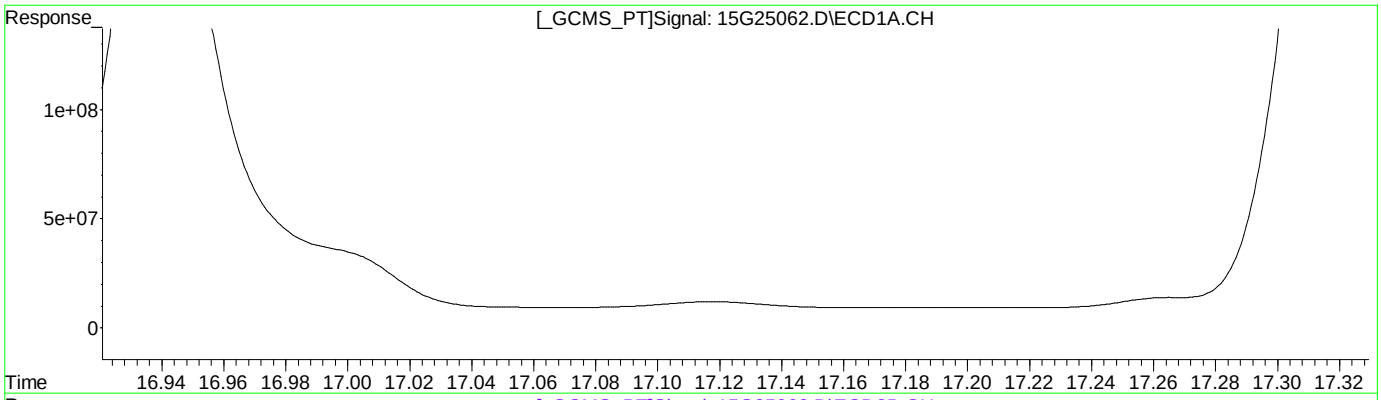
(+) = Expected Retention Time

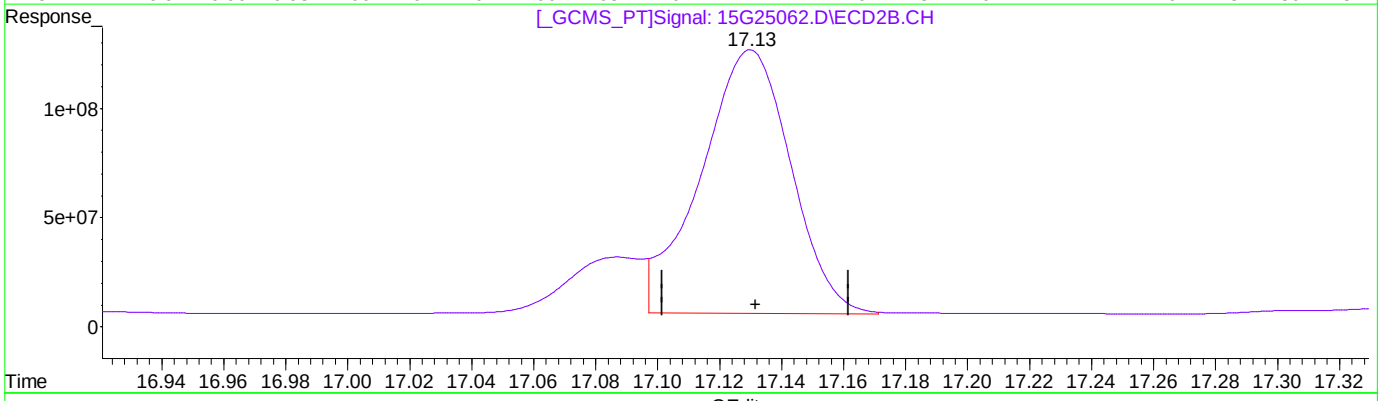
Quantitation Report (Qedit)

Data Path : C:\MSDChem\1\DATA\021811\
Data File : 15G25062.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On   : 19 Feb 2011   3:06 (#1); 19 Feb 2011   3:35 (#2)
Operator : ECL
Sample   : WG356905-03 LCS DUP
Misc   : 1,1 WATER
ALS Vial : 23   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 19 11:06:04 2011
Quant Method : C:\MSDCHEM\1\METHODS\8081.M
Quant Title : HP15: 8081/608 CALIBRATION February 18, 2011
QLast Update : Sat Feb 19 10:52:08 2011
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.   :
Signal #1 Phase :   Signal #2 Phase:
Signal #1 Info :   Signal #2 Info :





QEdit

(20) Methoxychlor

16.61min 54.406UG/L

response 3105971588

(20) Methoxychlor #2

17.13min 57.492UG/L mint

response 2431055430

(+) = Expected Retention Time
8081.M Sat Feb 19 11:06:34 2011

Analyst: 02/19/2011 11:54 Supervisor: 02/21/2011 12:39

Page: 1

#2 - Data system splits the peak incorrectly or integrates a false peak as a rider peak

Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25063.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 3:35 (#1); 19 Feb 2011 4:03 (#2)
Operator : ECL
Sample : WG356905-04 TOX LCS
Misc : 1,1 WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 11:32:21 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.03	14.88	184.0E6	166.3E6	144.349	152.114
2)	L1 Toxaphene-2	15.83	15.93	823.9E6	1294.7E6	437.096	390.499
3)	L1 Toxaphene-3	16.80	16.73	516.6E6	174.0E6	152.903	172.800
4)	L1 Toxaphene-4	17.04	17.07	222.7E6	391.3E6	146.607	170.154
5)	L1 Toxaphene-5	17.49	17.58	222.4E6	143.9E6	158.360	163.774
	Sum Toxaphene-1			1969.7E6	2170.3E6	1039.315	1049.341
Average	Toxaphene-1					207.863	209.868

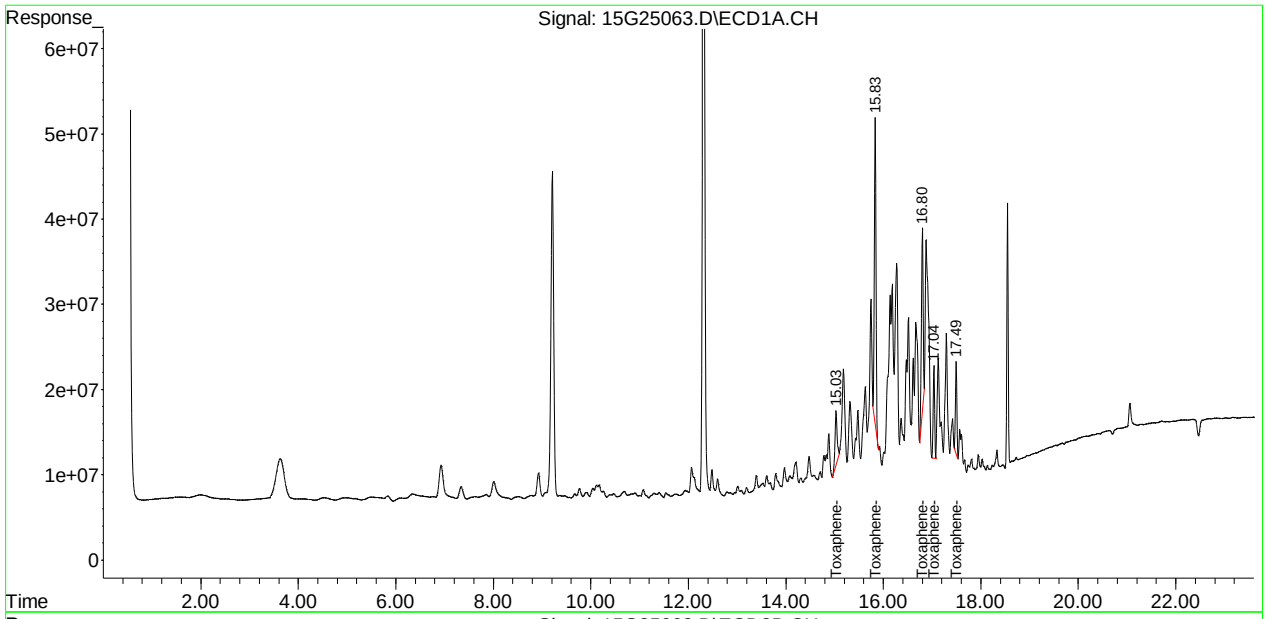
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

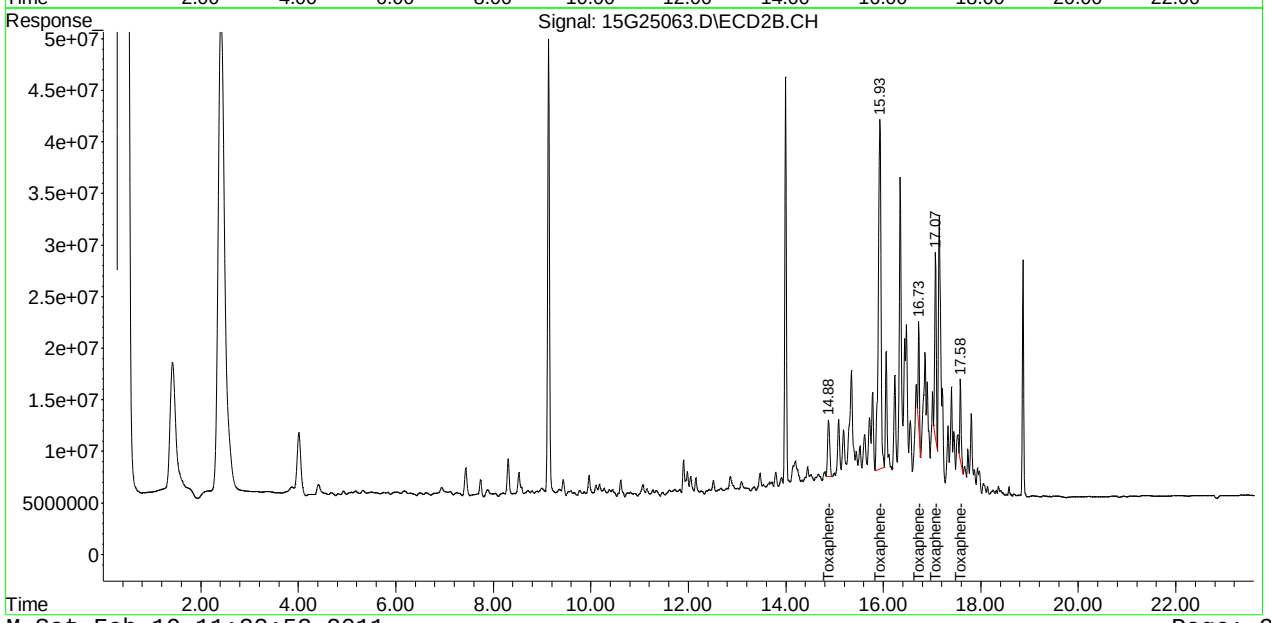
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\021811\
Data File : 15G25063.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 19 Feb 2011 3:35 (#1); 19 Feb 2011 4:03 (#2)
Operator : ECL
Sample : WG356905-04 TOX LCS
Misc : 1,1 WATER
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 19 11:32:21 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25180.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 16:19 (#1); 22 Feb 2011 16:47 (#2)
Operator : ECL
Sample : WG356900-04 TOX LCS
Misc : 7,1 SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 23 12:48:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	RT#1	RT#2	Resp#1	Resp#2	UG/L	UG/L
	Target Compounds						
1)	L1 Toxaphene-1	15.03	14.88	168.0E6	155.5E6	131.762	142.214
2)	L1 Toxaphene-2	15.84	15.94	292.7E6	517.2E6	155.301	155.990
3)	L1 Toxaphene-3	16.80	16.73	496.0E6	159.6E6	146.813	158.515
4)	L1 Toxaphene-4	17.04	17.07	211.0E6	362.0E6	138.907	157.441
5)	L1 Toxaphene-5	17.50	17.58	206.0E6	139.8E6	146.622	159.108
	Sum Toxaphene-1			1373.7E6	1334.2E6	719.406	773.268
Average	Toxaphene-1					143.881	154.654

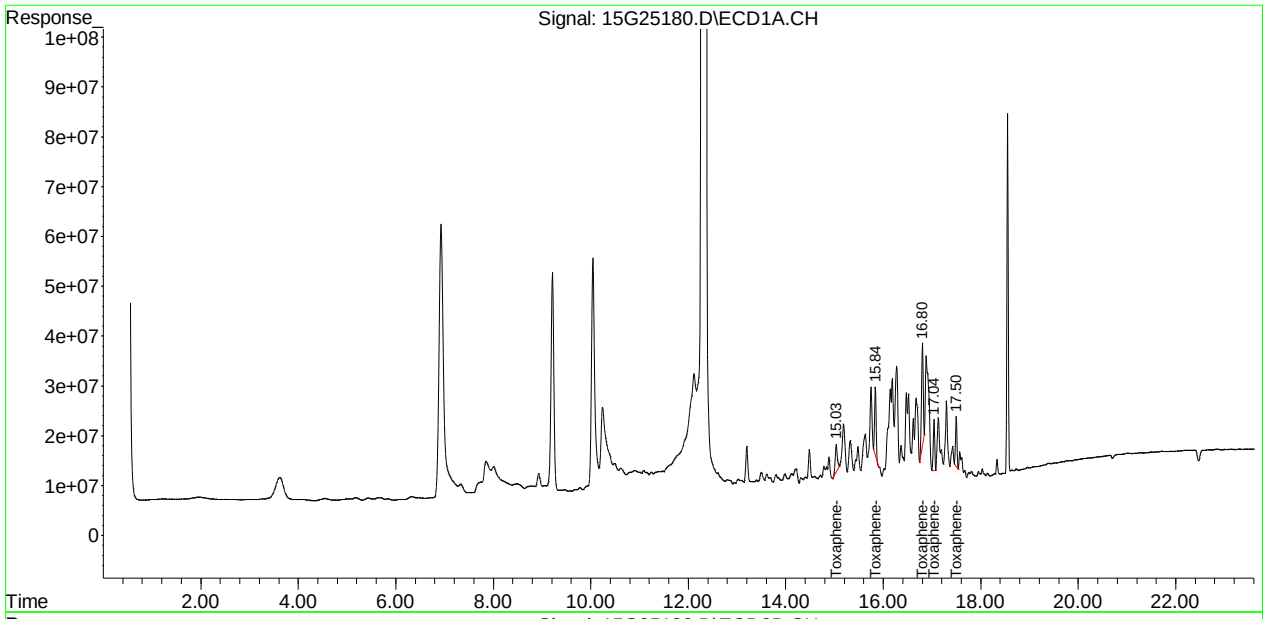
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

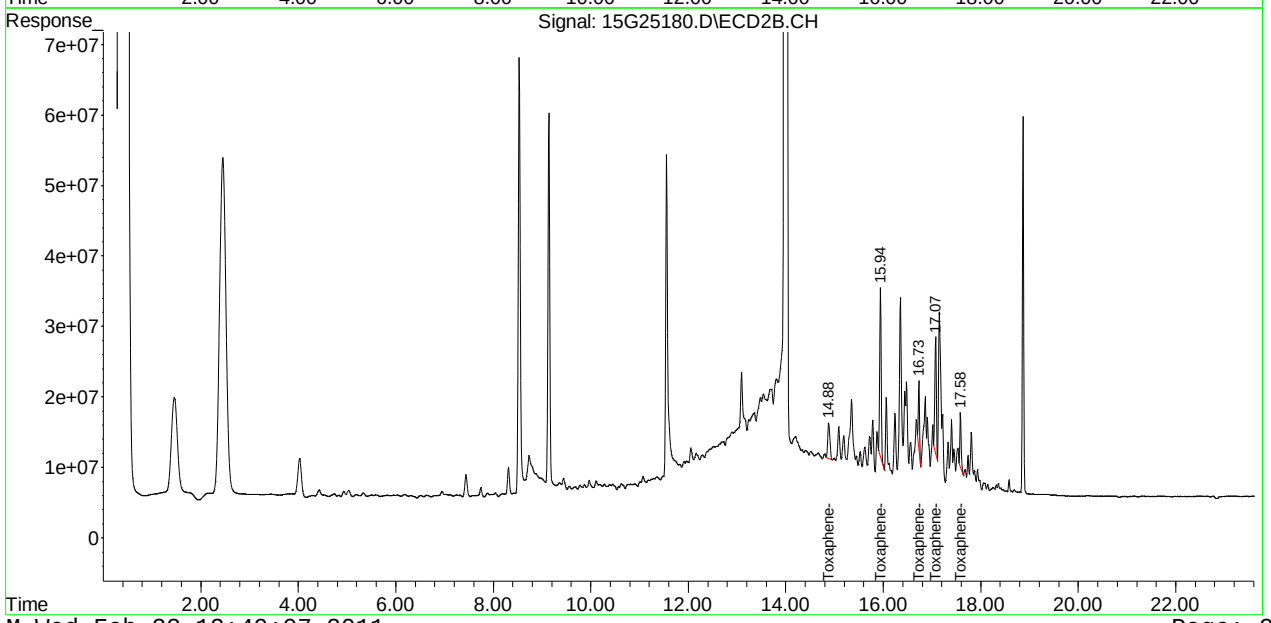
Quantitation Report (Not Reviewed)

Data Path : C:\MSDCHEM\1\DATA\022211\
Data File : 15G25180.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 22 Feb 2011 16:19 (#1); 22 Feb 2011 16:47 (#2)
Operator : ECL
Sample : WG356900-04 TOX LCS
Misc : 7,1 SOIL
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: .E
Integration File signal 2: EVENTS.E
Quant Time: Feb 23 12:48:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\TOX.M
Quant Title : HP15 CALIBRATION 8081 TOX February 18, 2011
QLast Update : Sat Feb 19 10:45:34 2011
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





2.1.3 PCB GC Data (8082)

2.1.3.1 Summary Data

Login Number: L11020447

Department: General Chromatography

Analyst: Eric Lawson

METHOD

Analysis SW-846 8082A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds that yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

Surrogates: Recoveries out of range were observed for the following analytes: Decachlorobiphenyl. Please see the applicable QC report for a detailed presentation of the failures.

Manual Integration Reason Codes

Reason #1: Data System Fails to Select Correct Peak In some cases the chromatography system selects and integrates the 'wrong peak'. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds. This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 22062
Approved By: Mike Cochran

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	8082	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	8082	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	8082	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	8082	1	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	8082	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	8082	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	8082	1	17-FEB-11

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-01	PrePrep Method:	NONE	Instrument:	HP9
Client ID:	SITE #1-TPS-2-16-11-COMP	Prep Method:	3550B	Prep Date:	02/18/2011 09:37
Matrix:	Soil	Analytical Method:	8082	Cal Date:	02/18/2011 18:51
Workgroup Number:	WG357027	Analyst:	ECL	Run Date:	02/22/2011 00:04
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	9GR60499.R
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	19.1	9.56
Aroclor-1221	11104-28-2		U	19.1	9.56
Aroclor-1232	11141-16-5		U	19.1	9.56
Aroclor-1242	53469-21-9		U	19.1	9.56
Aroclor-1248	12672-29-6		U	19.1	9.56
Aroclor-1254	11097-69-1		U	19.1	9.56
Aroclor-1260	11096-82-5		U	19.1	9.56

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	77.2	29	133	
Decachlorobiphenyl	74.2	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 22:52**
File ID: **9GR60495.R**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	19.1	9.53
Aroclor-1221	11104-28-2		U	19.1	9.53
Aroclor-1232	11141-16-5		U	19.1	9.53
Aroclor-1242	53469-21-9		U	19.1	9.53
Aroclor-1248	12672-29-6		U	19.1	9.53
Aroclor-1254	11097-69-1		U	19.1	9.53
Aroclor-1260	11096-82-5		U	19.1	9.53

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	76.3	29	133	
Decachlorobiphenyl	68.8	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-03	PrePrep Method:	NONE	Instrument:	HP9
Client ID:	SITE #1-2-16-11-MS	Prep Method:	3550B	Prep Date:	02/18/2011 09:37
Matrix:	Soil	Analytical Method:	8082	Cal Date:	02/18/2011 18:51
Workgroup Number:	WG357027	Analyst:	ECL	Run Date:	02/22/2011 00:22
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	9GR60500.R
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2	76.0	Q	19.5	9.75
Aroclor-1221	11104-28-2		U	19.5	9.75
Aroclor-1232	11141-16-5		U	19.5	9.75
Aroclor-1242	53469-21-9		U	19.5	9.75
Aroclor-1248	12672-29-6		U	19.5	9.75
Aroclor-1254	11097-69-1		U	19.5	9.75
Aroclor-1260	11096-82-5	76.6	Q	19.5	9.75

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	60.2	29	133	
Decachlorobiphenyl	53.3	60	125	*

Q One or more quality control criteria failed. See narrative.
***** Surrogate or spike compound out of range
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	HP9
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	3550B	Prep Date:	02/18/2011 09:37
Matrix:	Soil	Analytical Method:	8082	Cal Date:	02/18/2011 18:51
Workgroup Number:	WG357027	Analyst:	ECL	Run Date:	02/22/2011 00:40
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	9GR60501.R
Sample Tag:	01	Units:	ug/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2	88.9		19.4	9.70
Aroclor-1221	11104-28-2		U	19.4	9.70
Aroclor-1232	11141-16-5		U	19.4	9.70
Aroclor-1242	53469-21-9		U	19.4	9.70
Aroclor-1248	12672-29-6		U	19.4	9.70
Aroclor-1254	11097-69-1		U	19.4	9.70
Aroclor-1260	11096-82-5	92.0		19.4	9.70

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	70.7	29	133	
Decachlorobiphenyl	62.5	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG357014**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3510C**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/L**

Instrument: **HP9**
Prep Date: **02/18/2011 09:01**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 21:58**
File ID: **9GR60492.R**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	0.562	0.281
Aroclor-1221	11104-28-2		U	0.562	0.281
Aroclor-1232	11141-16-5		U	0.562	0.281
Aroclor-1242	53469-21-9		U	0.562	0.281
Aroclor-1248	12672-29-6		U	0.562	0.281
Aroclor-1254	11097-69-1		U	0.562	0.281
Aroclor-1260	11096-82-5		U	0.562	0.281

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	87.5	30	132	
Decachlorobiphenyl	80.3	40	135	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-06	PrePrep Method:	NONE	Instrument:	HP9
Client ID:	SITE #1-2-16-11-CLAY-C	Prep Method:	3550B	Prep Date:	02/18/2011 09:37
Matrix:	Soil	Analytical Method:	8082	Cal Date:	02/18/2011 18:51
Workgroup Number:	WG357027	Analyst:	ECL	Run Date:	02/22/2011 12:26
Collect Date:	02/16/2011 12:40	Dilution:	1	File ID:	9GR60509.R
Sample Tag:	01	Units:	ug/kg	Percent Solid:	81.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	20.2	10.1
Aroclor-1221	11104-28-2		U	20.2	10.1
Aroclor-1232	11141-16-5		U	20.2	10.1
Aroclor-1242	53469-21-9		U	20.2	10.1
Aroclor-1248	12672-29-6		U	20.2	10.1
Aroclor-1254	11097-69-1		U	20.2	10.1
Aroclor-1260	11096-82-5		U	20.2	10.1

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	83.8	29	133	
Decachlorobiphenyl	87.4	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-07**
Client ID: **SITE #1-2-16-11-CLAY-C-2**
Matrix: **Soil**
Workgroup Number: **WG357027**
Collect Date: **02/16/2011 12:45**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **02/18/2011 09:37**
Cal Date: **02/18/2011 18:51**
Run Date: **02/21/2011 23:28**
File ID: **9GR60497.R**
Percent Solid: **78.9**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aroclor-1016	12674-11-2		U	20.6	10.3
Aroclor-1221	11104-28-2		U	20.6	10.3
Aroclor-1232	11141-16-5		U	20.6	10.3
Aroclor-1242	53469-21-9		U	20.6	10.3
Aroclor-1248	12672-29-6		U	20.6	10.3
Aroclor-1254	11097-69-1		U	20.6	10.3
Aroclor-1260	11096-82-5		U	20.6	10.3

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-Xylene	77.5	29	133	
Decachlorobiphenyl	85.6	60	125	

U Analyte was not detected. The concentration is below the reported LOD.

2.1.3.2 QC Summary Data

Example 8082 Calculations

1.0 Calculating the Response Factor (RF) from the initial calibration (ICAL) data:

$$RF = \frac{As}{Cs}$$

where:	Example:
A_s = Area of the compound being measured in the standard	10000
C_s = Concentration of the compound being measured (ng/mL)	100
	RF = 100

2.0 Calculating the concentration (C) of a compound in water using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Vi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Vi = Initial volume of sample (mL). (prep log)	1000
	C(ug/L) = 0.1

3.0 Calculating the concentration (C) of a compound in soil using data from prep log and quantitation report:*

$$C = \frac{(A_x)(Vf)(D)}{(RF)(Wi)}$$

where:	Example:
A_x = Area of the compound begin measured	10000
Vf = Final volume of sample extract (mL). (prep log)	1
D = Dilution factor for sample as a multiplier (10X=10)	1
RF = Response factor from ICAL calculated above.	100
Wi = Initial weight of sample (g).	30
	C(ug/kg) = 3.333333

* Concentrations appearing on instrument quantitation reports are on-column results and do not take into account initial volume, final volume and dilution factor.

Microbac Laboratories Inc.
Sample Extract Log

Workgroup: WG356908
Analyst: RAH
Spike Analyst: RAH
Method: 3510C
Run Date: 02/18/2011 09:01
SOP: EXP01 Revison 13
Spike Witness: CPD
Surr Solution: STD43926

Methylene Chloride Lot #: COA15249
Hexane Lot #: COA15073
Sodium Sulfate,Anhydrous,Granular (Lot #: COA14988
Sulfuric Acid, Baker Analyzed ACS Lot #: COA15154
94:6 Hexane:Ether Lot #: RGT15669
Florisil Disposable Column Lot #: COA15102

	SAMPLE #	Type	Reference	pH	Prod	Init Amnt	Surr Amnt	Spike Amnt	Spike Sol	Final Vol	Color
1	L11020388-01	SAMP		N	8082	1000 mL	.2 mL			10 mL	Transparent
2	L11020447-05	SAMP		N	8082	890 mL	.2 mL			10 mL	Transparent
3	WG356908-01	BLANK		N	8082	1000 mL	.2 mL			10 mL	Transparent
4	WG356908-02	LCS		N	8082	1000 mL	.2 mL	.1 mL	STD43199	10 mL	Transparent
5	WG356908-03	LCS2		N	8082	1000 mL	.2 mL	.1 mL	STD43199	10 mL	Transparent

Due to insufficient sample volume, this preparation batch failed to include the method prescribed MS and MSD.

Clean-ups	
Florisil	3620B
Acid	3665A

Analyst: [signature]

Reviewer: Cheryl A. Flowers

EXTRACT - Modified 10/22/2008
PDF ID: 1923581
Report generated: 02/18/2011 14:30

Microbac Laboratories Inc.
Sample Extract Log

Workgroup: WG356901
Analyst: CAF
Spike Analyst: CAF
Method: 3550B
Run Date: 02/18/2011 09:37
SOP: EXP02 Revison 15
Spike Witness: CPD
Surr Solution: STD43926

Hexane Lot #: COA15073
Purified Lab Sand Lot #: COA14882
Na2SO4, Anhydrous,Powder Lot #: COA14768
Sodium Sulfate,Anhydrous,Granular (Lot #: COA14988
Sulfuric Acid, Baker Analyzed ACS Lot #: COA15154
Florisil Disposable Column Lot #: COA15102
94:6 Hexane:Ether Lot #: RGT15669

	SAMPLE #	Type	Reference	pH	Prod	Init Amnt	Surr Amnt	Spike Amnt	Spike Sol	Final Vol	Color
1	L11020447-01	RS01			8082	30.82 g	.2 mL			10 mL	Transparent
2	L11020447-02	SAMP			8082	30.35 g	.2 mL			10 mL	Transparent
3	L11020447-03	MS01	L11020447-01		8082	30.23 g	.2 mL	.1 mL	STD43199	10 mL	Transparent
4	L11020447-04	SD01	L11020447-01		8082	30.36 g	.2 mL	.1 mL	STD43199	10 mL	Transparent
5	L11020447-06	SAMP			8082	30.02 g	.2 mL			10 mL	Transparent
6	L11020447-07	SAMP			8082	30.5 g	.2 mL			10 mL	Transparent
7	L11020482-01	SAMP			8082	30.41 g	.2 mL			10 mL	Colored
8	WG356901-01	REF	L11020447-01		8082	30.82 g	.2 mL			10 mL	Transparent
9	WG356901-02	BLANK			8082	30 g	.2 mL			10 mL	Transparent
10	WG356901-03	LCS			8082	30 g	.2 mL	.1 mL	STD43199	10 mL	Transparent
11	WG356901-04	MS	L11020447-01		8082	30.23 g	.2 mL	.1 mL	STD43199	10 mL	Transparent
12	WG356901-05	MSD	L11020447-01		8082	30.36 g	.2 mL	.1 mL	STD43199	10 mL	Transparent

L11020482-01	DEBRIS PILE

Clean-ups	
Florisil	3620B
Acid	3665A

Analyst: Cheryl A. Flowers

Reviewer:

EXTRACT - Modified 10/22/2008
PDF ID: 1923889
Report generated: 02/18/2011 16:21

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 062310
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: 33520 Syringe Filter Lot#:
Column 1 ID: Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD37054 LCS STD: STD37752
Internal STD: NA Surrogate STD: STD39048 Calibration STD

Comments: CONFIRMATIONS ONLY

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	9GR57250.R	WG335137-01 1660 ICAL 2000 PPB	1	1	STD37054	06/23/10 14:08
2	9GR57251.R	WG335137-02 1660 ICAL 1000 PPB	1	1	STD37054	06/23/10 14:26
3	9GR57252.R	WG335137-03 1660 ICAL 500 PPB	1	1	STD37054	06/23/10 14:44
4	9GR57253.R	WG335137-04 1660 ICAL 250 PPB	1	1	STD37054	06/23/10 15:02
5	9GR57254.R	WG335137-05 1660 ICAL 100 PPB	1	1	STD37054	06/23/10 15:21
6	9GR57255.R	WG335137-06 1660 ICAL 50 PPB	1	1	STD37054	06/23/10 15:39
7	9GR57256.R	WG335137-07 1660 ALT 250 PPB	1	1	STD38445	06/23/10 15:57
8	9GR57257.R	WG335138-01 1254 ICAL 2000 PPB	1	1	STD38442	06/23/10 16:15
9	9GR57258.R	WG335138-02 1254 ICAL 1000 PPB	1	1	STD38442	06/23/10 16:33
10	9GR57259.R	WG335138-03 1254 ICAL 500 PPB	1	1	STD38442	06/23/10 16:51
11	9GR57260.R	WG335138-04 1254 ICAL 250 PPB	1	1	STD38442	06/23/10 17:09
12	9GR57261.R	WG335138-05 1254 ICAL 100 PPB	1	1	STD38442	06/23/10 17:27
13	9GR57262.R	WG335138-06 1254 ICAL 50 PPB	1	1	STD38442	06/23/10 17:45
14	9GR57263.R	WG335138-07 1254 ALT 500 PPB	1	1	STD38446	06/23/10 18:03
15	9GR57264.R	1248 500 PPB	1	1	STD38443	06/23/10 18:21
16	9GR57265.R	1248 ALT 500 PPB	1	1	STD37194	06/23/10 18:39
17	9GR57266.R	1242 500 PPB	1	1	STD38444	06/23/10 18:57
18	9GR57267.R	1242 ALT 500 PPB	1	1	STD38447	06/23/10 19:15
19	9GR57268.R	1232 500 PPB	1	1	STD37192	06/23/10 19:33
20	9GR57269.R	1232 ALT 500 PPB	1	1	STD37195	06/23/10 19:51
21	9GR57270.R	1221 500 PPB	1	1	STD37193	06/23/10 20:09
22	9GR57271.R	1221 ALT 500 PPB	1	1	STD38445	06/23/10 20:27
23	9GR57272.R	WG335181-01 1660 CCV 500 PPB	1	1	STD37054	06/23/10 20:45
49	9GR57273.R	WG334786-03 1660 MRL 50 PPB	7	1	STD37054	06/23/10 21:03
25	9GR57274.R	WG334289-01 BLANK	7	1	SOIL	06/23/10 21:21
26	9GR57275.R	WG334289-02 LCS	7	1	SOIL	06/23/10 21:39
27	9GR57276.R	WG334289-03 LCS DUP	7	1	SOIL	06/23/10 21:57
28	9GR57277.R	L10060255-01 CF	7	1	SOIL	06/23/10 22:15
29	9GR57278.R	L10060255-02 CF	7	1	SOIL	06/23/10 22:33
30	9GR57279.R	L10060255-03 CF	7	1	SOIL	06/23/10 22:51
31	9GR57280.R	L10060255-04 CF	7	1	SOIL	06/23/10 23:09
32	9GR57281.R	L10060255-05 CF	7	1	SOIL	06/23/10 23:27
33	9GR57282.R	L10060255-06 CF	7	1	SOIL	06/23/10 23:45
34	9GR57283.R	L10060255-07 CF	7	1	SOIL	06/24/10 00:02

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Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 062310
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: 33520 Syringe Filter Lot#:

Column 1 ID: Column 2 ID: RTX-CLP2

Workgroups:

CCV Std: STD37054 LCS STD: STD37752
Internal STD: NA Surrogate STD: STD39048

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
35	9GR57284.R	WG335182-01 1254 CCV 500 PPB	1	1	STD38442	06/24/10 00:20
36	9GR57285.R	WG335181-02 1660 CCV 250 PPB	1	1	STD37054	06/24/10 00:38
37	9GR57286.R	L10060255-08 CF	7	1	SOIL	06/24/10 00:56
38	9GR57287.R	L10060283-03 CF	7	1	SOIL	06/24/10 01:14
39	9GR57288.R	L10060283-04 CF	7	1	SOIL	06/24/10 01:32
40	9GR57289.R	L10060320-01 CF	7	1	SOIL	06/24/10 01:50
41	9GR57290.R	L10060320-02 CF	7	1	SOIL	06/24/10 02:08
42	9GR57291.R	WG334658-01 BLANK	7	1	SOIL	06/24/10 02:26
43	9GR57292.R	WG334658-02 LCS	7	1	SOIL	06/24/10 02:44
44	9GR57293.R	WG334658-03 LCS DUP	7	1	SOIL	06/24/10 03:02
45	9GR57294.R	L10060493-01 CF	7	1	SOIL	06/24/10 03:20
46	9GR57295.R	WG335182-02 1254 CCV 500 PPB	1	1	STD38442	06/24/10 03:38
47	9GR57296.R	WG335181-03 1660 CCV 500 PPB	1	1	STD37054	06/24/10 03:56
50	9GR57297.R	WG334786-04 1660 MRL 50 PPB	7	1	STD37054	06/24/10 04:14

Comments

Seq.	Rerun	Dil.	Reason	Analytes
28				
	L10060255-01 CF: DCB surrogate failed high due to SMI.			
29				
	L10060255-02 CF: DCB surrogate failed high due to SMI.			
38				
	L10060283-03 CF: DCB surrogate failed high due to SMI.			
39				
	L10060283-04 CF: DCB surrogate failed low due to SMI.			
40				
	L10060320-01 CF: DCB surrogate failed high due to SMI.			

Page: 2 Approved: 24-JUN-10

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 021811
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:
Column 1 ID: Column 2 ID: NA
Workgroups:

CCV Std: STD43286 LCS STD:
Internal STD: NA Surrogate STD: NA Calibration STD:

Comments: ICAL ONLY

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	9GR60430.R	1660 10 PPM	1	1	STD43286	02/18/11 13:10
2	9GR60431.R	1660 CCV 500 PPB	1	1	STD43286	02/18/11 13:28
3	9GR60432.R	1660 CCV 500 PPB	1	1	STD43286	02/18/11 13:54
4	9GR60433.R	1660 CCV 500 PPB	1	1	STD43286	02/18/11 14:13
5	9GR60435.R	WG357030-01 1660 ICAL 2000 PPB	1	1	STD43286	02/18/11 17:22
6	9GR60436.R	WG357030-02 1660 ICAL 1000 PPB	1	1	STD43286	02/18/11 17:39
7	9GR60437.R	WG357030-03 1660 ICAL 500 PPB	1	1	STD43286	02/18/11 17:57
8	9GR60438.R	WG357030-04 1660 ICAL 250 PPB	1	1	STD43286	02/18/11 18:15
9	9GR60439.R	WG357030-05 1660 ICAL 100 PPB	1	1	STD43286	02/18/11 18:33
10	9GR60440.R	WG357030-06 1660 ICAL 50 PPB	1	1	STD43286	02/18/11 18:51
11	9GR60441.R	WG357030-07 1660 ALT 250 PPB	1	1	STD42874	02/18/11 19:09
12	9GR60442.R	1254 500 PPB	1	1	STD42875	02/18/11 19:27
13	9GR60443.R	1254 ALT 500 PPB	1	1	STD42883	02/18/11 19:45
14	9GR60444.R	1248 500 PPB	1	1	STD42876	02/18/11 20:03
15	9GR60445.R	1248 ALT 500 PPB	1	1	STD42884	02/18/11 20:21
16	9GR60446.R	1242 500 PPB	1	1	STD42877	02/18/11 20:39
17	9GR60447.R	1242 ALT 500 PPB	1	1	STD42885	02/18/11 20:57
18	9GR60448.R	1232 500 PPB	1	1	STD42881	02/18/11 21:15
19	9GR60449.R	1232 ALT 500 PPB	1	1	STD42886	02/18/11 21:33
20	9GR60450.R	1221 500 PPB	1	1	STD42882	02/18/11 21:51
21	9GR60451.R	1221 ALT 500 PPB	1	1	STD42887	02/18/11 22:09

Comments

Seq.	Rerun	Dil.	Reason	Analytes
2				
	1660 CCV 500 PPB: Failed low.			
3				
	1660 CCV 500 PPB: Failed low.			
4				
	1660 CCV 500 PPB: Failed low. Needs recalibrated.			

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Cassie L. Augenstein

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 022111
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: Column 2 ID: RTX-CLP2

Workgroups:

CCV Std: STD43286 LCS STD: STD43199
Internal STD: NA Surrogate STD: STD43926 Calibration STD:

Comments:

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	9GR60465.R	1660 10 PPM	1	1	STD43286	02/21/11 13:06
2	9GR60466.R	WG357031-03 1660 CCV 500 PPB	1	1	STD43286	02/21/11 13:24
3	9GR60467.R	WG356391-03 LCS DUP	7	1	SOIL	02/21/11 14:28
4	9GR60468.R	L11010361-30 CF	7	1	SOIL	02/21/11 14:46
5	9GR60469.R	L11010361-32 CF	7	1	SOIL	02/21/11 15:04
6	9GR60470.R	L11010361-40 CF	7	1	SOIL	02/21/11 15:22
7	9GR60471.R	L11010361-41 CF	7	1	SOIL	02/21/11 15:40
8	9GR60472.R	L11010361-42 CF	7	1	SOIL	02/21/11 15:58
9	9GR60473.R	WG356828-01 BLANK	7	1	SOIL	02/21/11 16:16
10	9GR60474.R	WG356828-02 LCS	7	1	SOIL	02/21/11 16:34
11	9GR60475.R	WG356828-03 LCS DUP	7	1	SOIL	02/21/11 16:52
12	9GR60476.R	L11010361-09 RE	7	1	SOIL	02/21/11 17:10
13	9GR60477.R	WG357031-04 1660 CCV 250 PPB	1	1	STD43286	02/21/11 17:28
14	9GR60478.R	L11010361-10 RE	7	1	SOIL	02/21/11 17:46
15	9GR60479.R	L11010361-12 RE	7	1	SOIL	02/21/11 18:04
16	9GR60480.R	L11010361-13 RE	7	1	SOIL	02/21/11 18:22
17	9GR60481.R	L11010361-14 RE	7	1	SOIL	02/21/11 18:40
18	9GR60482.R	L11010361-31 RE	7	1	SOIL	02/21/11 18:58
19	9GR60483.R	L11010361-36 RE	7	1	SOIL	02/21/11 19:16
20	9GR60484.R	L11010361-39 RE	7	1	SOIL	02/21/11 19:34
21	9GR60485.R	L11020378-01	10	1	SOIL	02/21/11 19:52
22	9GR60486.R	WG356908-01 BLANK	1	1		02/21/11 20:10
23	9GR60487.R	WG357031-05 1660 CCV 500 PPB	1	1	STD43286	02/21/11 20:28
24	9GR60488.R	WG356908-02 LCS	1	1		02/21/11 20:46
43	9GR60489.R	WG356908-03 LCS DUP	1	1		02/21/11 21:04
26	9GR60490.R	L11020388-01	1	1		02/21/11 21:22
27	9GR60491.R	L11020388-01 10x	1	10		02/21/11 21:40
28	9GR60492.R	L11020447-05	1	10		02/21/11 21:58
29	9GR60493.R	WG356901-02 BLANK	7	1	SOIL	02/21/11 22:16
30	9GR60494.R	WG356901-03 LCS	7	1	SOIL	02/21/11 22:34
31	9GR60495.R	L11020447-02	7	1	SOIL	02/21/11 22:52
32	9GR60496.R	L11020447-06	7	1	SOIL	02/21/11 23:10
33	9GR60497.R	L11020447-07	7	1	SOIL	02/21/11 23:28
34	9GR60498.R	WG357031-06 1660 CCV 250 PPB	1	1	STD43286	02/21/11 23:46

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Cassie D. Augenstein

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 022111
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:
Column 1 ID: Column 2 ID: RTX-CLP2
Workgroups:

CCV Std: STD43286 LCS STD: STD43199
Internal STD: NA Surrogate STD: STD43926

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
44	9GR60499.R	L11020447-01 REF	7	1	SOIL	02/22/11 00:04
45	9GR60500.R	L11020447-03 MS	7	1	SOIL	02/22/11 00:22
46	9GR60501.R	L11020447-04 MSD	7	1	SOIL	02/22/11 00:40
38	9GR60502.R	L11020482-01	10	1	SOIL	02/22/11 00:58
39	9GR60503.R	HEXANE	1	1		02/22/11 01:16
40	9GR60504.R	HEXANE	1	1		02/22/11 01:34
41	9GR60505.R	HEXANE	1	1		02/22/11 01:52
42	9GR60506.R	WG357031-07 1660 CCV 500 PPB	1	1	STD43286	02/22/11 02:10

Comments

Seq.	Rerun	Dil.	Reason	Analytes
12				
	L11010361-09 RE: DCB surrogate failed low.			
14				
	L11010361-10 RE: DCB surrogate failed low.			
15				
	L11010361-12 RE: DCB surrogate failed low.			
16				
	L11010361-13 RE: DCB surrogate failed low.			
17				
	L11010361-14 RE: DCB surrogate failed low.			
18				
	L11010361-31 RE: DCB surrogate failed low.			
26	X	10	Over Calibration Range	Aroclors 1260 and 1242
	L11020388-01			
32	X			
	L11020447-06: Bad injection. Not reported.			
45				
	L11020447-03 MS: DCB surrogate failed low.			
38	X	50	Over Calibration Range	Aroclor 1242
	L11020482-01: DCB surrogate failed high due to SMI. Also needs 5x dilution for aroclor 1260.			

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 022211
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: _____ Syringe Filter Lot#: _____

Column 1 ID: _____ Column 2 ID: RTX-CLP2

Workgroups: _____

CCV Std: STD43286 LCS STD: STD43199
Internal STD: NA Surrogate STD: STD43926 Calibration STD: _____

Comments: All samples from file 9GR60524 to the end need rerun due to CCV failures.

Seq.	File ID	Sample Information	Mat	Dil	Reference	Date/Time
1	9GR60507.R	1660 10 PPM	1	1	STD43286	02/22/11 10:53
2	9GR60508.R	WG357211-01 1660 CCV 500 PPB	1	1	STD43286	02/22/11 11:11
3	9GR60509.R	L11020447-06	7	1	SOIL	02/22/11 12:26
4	9GR60510.R	WG357063-02 BLANK	7	1	SOIL	02/22/11 12:44
5	9GR60511.R	WG357063-03 LCS	7	1	SOIL	02/22/11 13:02
6	9GR60512.R	L11020506-01	10	1	SOIL	02/22/11 13:20
7	9GR60513.R	L11020506-02 MS	10	1	SOIL	02/22/11 13:38
8	9GR60514.R	L11020506-03 MSD	10	1	SOIL	02/22/11 13:56
9	9GR60515.R	L11020506-04	7	1	SOIL	02/22/11 14:14
10	9GR60516.R	L11020506-05	7	1	SOIL	02/22/11 14:32
11	9GR60517.R	L11020506-06	7	1	SOIL	02/22/11 14:50
12	9GR60518.R	L11020506-14	7	1	SOIL	02/22/11 15:08
13	9GR60519.R	HEXANE	1	1		02/22/11 15:26
14	9GR60520.R	WG357211-02 1660 CCV 250 PPB	1	1	STD43286	02/22/11 15:44
15	9GR60521.R	L11020518-01	10	1	SOIL	02/22/11 16:03
16	9GR60522.R	L11020535-01	10	1	SOIL	02/22/11 16:21
17	9GR60523.R	L11020506-17	7	1	SOIL	02/22/11 16:39
18	9GR60524.R	WG357085-01 BLANK	1	1		02/22/11 16:57
19	9GR60525.R	WG357085-02 LCS	1	1		02/22/11 17:15
20	9GR60526.R	WG357085-03 LCS DUP	1	1		02/22/11 17:33
21	9GR60527.R	L11020492-02	1	1		02/22/11 17:51
22	9GR60528.R	L11020517-01	1	1		02/22/11 18:08
23	9GR60529.R	WG357211-03 1660 CCV 500 PPB	1	1	STD43286	02/22/11 18:27
24	9GR60530.R	L11020482-01 50x	10	50	SOIL	02/22/11 18:44
25	9GR60531.R	HEXANE	1	1		02/22/11 19:03
26	9GR60532.R	HEXANE	1	1		02/22/11 19:20
27	9GR60533.R	L11020482-01 5x	10	5	SOIL	02/22/11 19:39
28	9GR60534.R	HEXANE	1	1		02/22/11 19:57
29	9GR60535.R	HEXANE	1	1		02/22/11 20:15
30	9GR60536.R	HEXANE	1	1		02/22/11 20:33
31	9GR60537.R	L11020491-01 20x	10	20	SOIL	02/22/11 20:51
32	9GR60538.R	HEXANE	1	1		02/22/11 21:09
33	9GR60539.R	WG357211-04 1660 CCV 250 PPB	1	1	STD43286	02/22/11 21:27

Comments

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Cassie L. Augenstein

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HP9 Dataset: 022211
Analyst1: ECL Analyst2: NA
Method: 8082 SOP: GCS10 Rev: 12

Maintenance Log ID: Syringe Filter Lot#:

Column 1 ID: Column 2 ID: RTX-CLP2

Workgroups:

CCV Std: STD43286 LCS STD: STD43199
Internal STD: NA Surrogate STD: STD43926

Comments

Seq.	Rerun	Dil.	Reason	Analytes
6	X	10	Over Calibration Range	Aroclor 1254
	L11020506-01			
7				
	L11020506-02 MS: Aroclors 1016 and 1260 failed high due to SMI.			
8				
	L11020506-03 MSD: Aroclors 1016 and 1260 failed high due to SMI.			
23				
	WG357211-03 1660 CCV 500 PPB: Aroclor 1260 failed high.			
33				
	WG357211-04 1660 CCV 250 PPB: Aroclor 1260 failed high.			

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Cassie D. Augenstein

Microbac Laboratories Inc.

Data Checklist

Date: 23-JUN-2010
Analyst: ECL
Analyst: NA
Method: 8082
Instrument: HP9
Curve Workgroup: NA
Runlog ID: 34916
Analytical Workgroups: L10060255, L10060283, L10060320, L10060493

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	X
Average RF	X
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	X
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	X
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	NA
Recoveries	NA
%RPD	NA
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	NA
Reruns	X
Manual integrations	X
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	MDC

Primary Reviewer:
24-JUN-2010

Secondary Reviewer:
24-JUN-2010

CHECKLIST1 - Modified 03/05/2008
Generated: JUN-24-2010 11:05:22

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: ECL
Analyst: NA
Method: 8082
Instrument: HP9
Curve Workgroup: NA
Runlog ID: 39115
Analytical Workgroups: ICAL ONLY

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	X
Average RF	X
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	X
Continuing Calibration (CCV)	NA
% D/% Drift	NA
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	X
Blanks	NA
TCL hits	NA
Surrogate recoveries	NA
LCS/LCSD (Laboratory Control Sample)	NA
Recoveries	NA
Surrogate recoveries	NA
MS/MSD/Sample duplicates	NA
Recoveries	NA
%RPD	NA
Samples	NA
TCL hits	NA
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	NA
Surrogate recoveries	NA
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	NA
Reruns	NA
Manual integrations	NA
Project/client specific requirements	NA
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	NA
Case narratives	NA
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	CAA

Primary Reviewer:
19-FEB-2011

Secondary Reviewer:
21-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 12:34:31

Microbac Laboratories Inc.

Data Checklist

Date: 21-FEB-2011
Analyst: ECL
Analyst: NA
Method: 8082
Instrument: HP9
Curve Workgroup: NA
Runlog ID: 39140
Analytical Workgroups: L11010361, L11020378, L11020388, L11020447, L11020482

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	NA
Average RF	NA
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	NA
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	X
Recoveries	X
%RPD	X
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	X
Surrogate recoveries	X
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	X
Reruns	X
Manual integrations	NA
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	CAA

Primary Reviewer:
22-FEB-2011

Secondary Reviewer:
22-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-22-2011 11:21:31

Microbac Laboratories Inc.

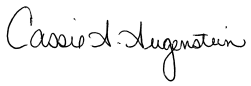
Data Checklist

Date: 22-FEB-2011
Analyst: ECL
Analyst: NA
Method: 8082
Instrument: HP9
Curve Workgroup: NA
Runlog ID: 39164
Analytical Workgroups: L11020447, L11020506, L11020518, L11020535

ANALYTICAL	
System Performance Check	NA
DFTPP (MS)	NA
Endrin/DDT breakdown (8081/MS)	NA
Pentachlorophenol/benzidine tailing (MS)	NA
Eluent check (IC)/system pressure (HPLC)	NA
Window standard (FID)	NA
Initial Calibration	NA
Average RF	NA
Linear regression or higher order curve	NA
Alternate source standard (ICV) % Difference	NA
Continuing Calibration (CCV)	X
% D/% Drift	X
Minimum response factors (MS)	NA
Continuing calibration blank (CCB) (IC)	NA
Special standards	NA
Blanks	X
TCL hits	X
Surrogate recoveries	X
LCS/LCSD (Laboratory Control Sample)	X
Recoveries	X
Surrogate recoveries	X
MS/MSD/Sample duplicates	X
Recoveries	X
%RPD	X
Samples	X
TCL hits	X
Mass spectra (MS/HPLC)/2nd column confirmations (ECD/FID/HPLC)	NA
Surrogate recoveries	X
Internal standard areas (MS)	NA
Library searches (MS)	NA
Calculations & correct factors	X
Compounds above calibration range	X
Reruns	NA
Manual integrations	NA
Project/client specific requirements	X
REPORTING	
Upload batch form	X
KOBRA workgroup data/forms/bench sheets	X
Case narratives	NA
Check for completeness	X
Primary Reviewer	ECL
SUPERVISORY/SECONDARY REVIEW	
Check for compliance with method and project specific requirements	X
Check the completeness/accuracy of reported information	X
Data qualifiers	X
Secondary Reviewer	CAA

Primary Reviewer:
23-FEB-2011

Secondary Reviewer:
23-FEB-2011



CHECKLIST1 - Modified 03/05/2008
Generated: FEB-23-2011 12:28:35

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 8082 AAB#: WG357014

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-2-16-11-FB	05	02/16/11					02/18/11	1.9	7		02/21/11	3.5	40	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1925411
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 8082 AAB#: WG357027

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/18/11	1.9	14		02/22/11	3.6	40	
SITE #1-2-16-11-DUP	02	02/16/11					02/18/11	1.9	14		02/21/11	3.6	40	
SITE #1-2-16-11-MS	03	02/16/11					02/18/11	1.9	14		02/22/11	3.6	40	
SITE #1-2-16-11-MSD	04	02/16/11					02/18/11	1.9	14		02/22/11	3.6	40	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/18/11	1.9	14		02/22/11	4.1	40	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/18/11	1.9	14		02/21/11	3.6	40	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1925411
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.
SURROGATE STANDARDS

Login Number: L11020447
Instrument Id: HP9
Workgroup (AAB#): WG357027

Method: 8082
CAL ID: HP9-18-FEB-11
Matrix: Soil

Sample Number	Dilution	Tag	1	2
L11020447-01	1.00	01	77.2	74.2
L11020447-02	1.00	01	76.3	68.8
L11020447-03	1.00	01	60.2	53.3
L11020447-04	1.00	01	70.7	62.5
L11020447-06	1.00	01	83.8	87.4
L11020447-07	1.00	01	77.5	85.6
WG356901-02	1.00	01	74.0	87.6
WG356901-03	1.00	01	79.2	86.1

Surrogates	Surrogate Limits
1 - 2,4,5,6-Tetrachloro-m-Xylene	29 - 133
2 - Decachlorobiphenyl	60 - 125

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

SURROGATES - Modified 03/06/2008
PDF File ID: 1925420
Report generated: 02/24/2011 08:23

Microbac Laboratories Inc.
SURROGATE STANDARDS

Login Number: L11020447
Instrument Id: HP9
Workgroup (AAB#): WG357014

Method: 8082
CAL ID: HP9-18-FEB-11
Matrix: Water

Sample Number	Dilution	Tag	1	2
L11020447-05	1.00	01	87.5	80.3
WG356908-01	1.00	01	86.4	84.1
WG356908-02	1.00	01	80.8	49.3
WG356908-03	1.00	01	73.4	85.8

Surrogates	Surrogate Limits		
1 - 2,4,5,6-Tetrachloro-m-xylene	30	-	132
2 - Decachlorobiphenyl	40	-	135

Underline = Result out of surrogate limits

DL = surrogate diluted out
ND = surrogate not detected

SURROGATES - Modified 03/06/2008
PDF File ID: 1925420
Report generated: 02/24/2011 08:23

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG357014
Blank File ID: 9GR60486.R
Blank Sample ID: WG356908-01
Prep Date: 02/18/11 09:01
Instrument ID: HP9
Analyzed Date: 02/21/11 20:10
Method: 8082
Analyst: ECL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356908-02	9GR60488.R	02/21/11 20:46	01
LCS2	WG356908-03	9GR60489.R	02/21/11 21:04	01
SITE #1-2-16-11-FB	L11020447-05	9GR60492.R	02/21/11 21:58	01

Report Name: BLANK_SUMMARY
PDF File ID: 1925412
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG357027
Blank File ID: 9GR60493.R
Blank Sample ID: WG356901-02
Prep Date: 02/18/11 09:37
Instrument ID: HP9
Analyzed Date: 02/21/11 22:16
Method: 8082
Analyst: ECL

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356901-03	9GR60494.R	02/21/11 22:34	01
SITE #1-2-16-11-DUP	L11020447-02	9GR60495.R	02/21/11 22:52	01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	9GR60497.R	02/21/11 23:28	01
SITE #1-TPS-2-16-11-COMP	L11020447-01	9GR60499.R	02/22/11 00:04	01
SITE #1-2-16-11-MS	L11020447-03	9GR60500.R	02/22/11 00:22	01
SITE #1-2-16-11-MSD	L11020447-04	9GR60501.R	02/22/11 00:40	01
SITE #1-2-16-11-CLAY-C	L11020447-06	9GR60509.R	02/22/11 12:26	01

Report Name: BLANK_SUMMARY
PDF File ID: 1925412
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 09:01 Sample ID: WG356908-01
Instrument ID: HP9 Run Date: 02/21/11 20:10 Prep Method: 3510C
File ID: 9GR60486.R Analyst: ECL Method: 8082
Workgroup (AAB#): WG357014 Matrix: Water Units: ug/L
Contract #: Cal ID: HP9-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aroclor-1016	0.250	0.500	0.250	1	U
Aroclor-1221	0.250	0.500	0.250	1	U
Aroclor-1232	0.250	0.500	0.250	1	U
Aroclor-1242	0.250	0.500	0.250	1	U
Aroclor-1248	0.250	0.500	0.250	1	U
Aroclor-1254	0.250	0.500	0.250	1	U
Aroclor-1260	0.250	0.500	0.250	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
2,4,5,6-Tetrachloro-m-xylene	86.4	30	-	132	PASS
Decachlorobiphenyl	84.1	40	-	135	PASS

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1925413
24-FEB-2011 08:23

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 09:37 Sample ID: WG356901-02
Instrument ID: HP9 Run Date: 02/21/11 22:16 Prep Method: 3550B
File ID: 9GR60493.R Analyst: ECL Method: 8082
Workgroup (AAB#): WG357027 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aroclor-1016	8.25	16.5	8.25	1	U
Aroclor-1221	8.25	16.5	8.25	1	U
Aroclor-1232	8.25	16.5	8.25	1	U
Aroclor-1242	8.25	16.5	8.25	1	U
Aroclor-1248	8.25	16.5	8.25	1	U
Aroclor-1254	8.25	16.5	8.25	1	U
Aroclor-1260	8.25	16.5	8.25	1	U

Surrogates	% Recovery	Surrogate Limits			Qualifier
2,4,5,6-Tetrachloro-m-Xylene	74.0	29	-	133	PASS
Decachlorobiphenyl	87.6	60	-	125	PASS

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1925413
24-FEB-2011 08:23

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG356908-02
Instrument ID: HP9 Run Time: 20:46 Prep Method: 3510C
File ID: 9GR60488.R Analyst: ECL Method: 8082
Workgroup (AAB#): WG357014 Matrix: Water Units: ug/L
QC Key: DOD4 Lot#: STD43199 Cal ID: HP9-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aroclor-1016	2.50	2.64	105	25 - 145	
Aroclor-1260	2.50	2.82	113	30 - 145	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	80.8	30 - 132	PASS
Decachlorobiphenyl	49.3	40 - 135	PASS

* EXCEEDS %REC LIMIT

LCS - Modified 03/06/2008
PDF File ID: 1925414
Report generated: 02/24/2011 08:23

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG356901-03
Instrument ID: HP9 Run Time: 22:34 Prep Method: 3550B
File ID: 9GR60494.R Analyst: ECL Method: 8082
Workgroup (AAB#): WG357027 Matrix: Soil Units: ug/kg
QC Key: DOD4 Lot#: STD43199 Cal ID: HP9-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aroclor-1016	83.3	76.3	91.5	40 - 140	
Aroclor-1260	83.3	84.6	101	60 - 130	

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-Xylene	79.2	29 - 133	PASS
Decachlorobiphenyl	86.1	60 - 125	PASS

* EXCEEDS %REC LIMIT

LCS - Modified 03/06/2008
PDF File ID: 1925414
Report generated: 02/24/2011 08:23

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Analyst: ECL Prep Method: 3510C
Instrument ID: HP9 Matrix: Water Method: 8082
Workgroup (AAB#): WG357014 Units: ug/L
QC Key: DOD4 Lot #: STD43199

Sample ID: WG356908-02 LCS File ID: 9GR60488.R Run Date: 02/21/2011 20:46
Sample ID: WG356908-03 LCS2 File ID: 9GR60489.R Run Date: 02/21/2011 21:04

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Aroclor-1016	2.50	2.64	105	2.50	2.31	92.4	13.2	25 - 145	30	
Aroclor-1260	2.50	2.82	113	2.50	2.67	107	5.36	30 - 145	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4,5,6-Tetrachloro-m-xylene	80.8	73.4	30 - 132	PASS
Decachlorobiphenyl	49.3	85.8	40 - 135	PASS

* EXCEEDS %REC LIMIT

EXCEEDS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1925415
Report generated: 02/24/2011 08:23

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11020447 Cal ID:HP9- 18-FEB-11 Worknum:WG357027
Instrument ID:HP9 Contract #: Prep Method:3550B
Parent ID:L11020447-01 File ID:9GR60499.R Dil:1 Method:8082
Sample ID:L11020447-03 MS File ID:9GR60500.R Dil:1 Matrix:Soil
Sample ID:L11020447-04 MSD File ID:9GR60501.R Dil:1 Units:ug/kg
Percent Solid:84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aroclor-1016	U	98.4	76.0	77.2	98.0	88.9	90.7	15.6	40 - 140	30	
Aroclor-1260	U	98.4	76.6	77.8	98.0	92.0	93.8	18.3	60 - 130	30	

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1925416
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447 **Instrument ID:** HP9

Analytical Method: 8082 **Initial Calibration Date:** 23-JUN-10 17:45

ICAL Workgroup: WG335138 **Column ID:** R

Analyte		AVG RF	% RSD	LINEAR (R)	QUAD (R^2)
Aroclor-1254-1		99790	12.0		
Aroclor-1254-2		336400	18.7		
Aroclor-1254-3		473500	15.9		
Aroclor-1254-4		226600	19.4		
Aroclor-1254-5		395600	11.5		

R = Correlation coefficient; 0.995 minimum
R^2 = Coefficient of determination; 0.99 minimum

INT_CAL - Modified 03/06/2008
PDF File ID: 1925417
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447
Analytical Method: 8082
ICAL Workgroup: WG357030

Instrument ID: HP9
Initial Calibration Date: 18-FEB-11 18:51
Column ID: R

Analyte		AVG RF	% RSD	LINEAR (R)	QUAD (R^2)
Aroclor-1016-1		233600	9.85		
Aroclor-1016-2		494100	12.2		
Aroclor-1016-3		907000	6.37		
Aroclor-1016-4		413400	7.49		
Aroclor-1016-5		283600	7.13		
Aroclor-1260-1		528300	10.5		
Aroclor-1260-2		592400	8.00		
Aroclor-1260-3		370100	6.71		
Aroclor-1260-4		746900	4.37		
Aroclor-1260-5		172900	4.59		

R = Correlation coefficient; 0.995 minimum
R^2 = Coefficient of determination; 0.99 minimum

INT_CAL - Modified 03/06/2008
PDF File ID: 1925417
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447
Analytical Method: 8082
Instrument ID: HP9
Initial Calibration Date: 23-JUN-10 17:45
Column ID: R

Analyte	WG335138-01			WG335138-02			WG335138-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1254-1	2000	162226094	81110	1000	90871252.0	90870	500	49628416.0	99260
Aroclor-1254-2	2000	524725200	262400	1000	291267584	291300	500	156885134	313800
Aroclor-1254-3	2000	773739915	386900	1000	418730523	418700	500	224815214	449600
Aroclor-1254-4	2000	347199347	173600	1000	193641333	193600	500	106497655	213000
Aroclor-1254-5	2000	682539754	341300	1000	367181747	367200	500	197086780	394200

INT_CAL - Modified 03/06/2008
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Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447
Analytical Method: 8082
Instrument ID: HP9
Initial Calibration Date: 23-JUN-10 17:45
Column ID: R

Analyte	WG335138-04			WG335138-05			WG335138-06		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1254-1	250	26185404.0	104700	100	11055604.0	110600	50.0	5609259.00	112200
Aroclor-1254-2	250	82590761.0	330400	100	39045582.0	390500	50.0	21505072.0	430100
Aroclor-1254-3	250	115430055	461700	100	53550885.0	535500	50.0	29423357.0	588500
Aroclor-1254-4	250	56031778.0	224100	100	26364199.0	263600	50.0	14570408.0	291400
Aroclor-1254-5	250	93657661.0	374600	100	43062704.0	430600	50.0	23283850.0	465700

INT_CAL - Modified 03/06/2008
PDF File ID: 1925417
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447
Analytical Method: 8082
Instrument ID: HP9
Initial Calibration Date: 18-FEB-11 18:51
Column ID: R

Analyte	WG357030-01			WG357030-02			WG357030-03		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1016-1	2000	391543818	195800	1000	227700571	227700	500	113745189	227500
Aroclor-1016-2	2000	802504721	401300	1000	464161119	464200	500	237649882	475300
Aroclor-1016-3	2000	1602571460	801300	1000	918936772	918900	500	455360787	910700
Aroclor-1016-4	2000	703590091	351800	1000	412690661	412700	500	214095627	428200
Aroclor-1016-5	2000	497813028	248900	1000	284673012	284700	500	143825322	287700
Aroclor-1260-1	2000	905444537	452700	1000	514138531	514100	500	252147157	504300
Aroclor-1260-2	2000	1049174650	524600	1000	592698151	592700	500	285363329	570700
Aroclor-1260-3	2000	671025651	335500	1000	377842297	377800	500	181537976	363100
Aroclor-1260-4	2000	1408478880	704200	1000	784361371	784400	500	370724156	741400
Aroclor-1260-5	2000	316287424	158100	1000	179602130	179600	500	87856968.0	175700

INT_CAL - Modified 03/06/2008
PDF File ID: 1925417
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

INITIAL CALIBRATION DATA

Login Number: L11020447
Analytical Method: 8082
Instrument ID: HP9
Initial Calibration Date: 18-FEB-11 18:51
Column ID: R

Analyte	WG357030-04			WG357030-05			WG357030-06		
	CONC	RESP	RF	CONC	RESP	RF	CONC	RESP	RF
Aroclor-1016-1	250	59338318.0	237400	100	25110036.0	251100	50.0	13113634.0	262300
Aroclor-1016-2	250	130743049	523000	100	52692398.0	526900	50.0	28686776.0	573700
Aroclor-1016-3	250	226620088	906500	100	92709637.0	927100	50.0	48877494.0	977500
Aroclor-1016-4	250	106332530	425300	100	43265285.0	432700	50.0	21484822.0	429700
Aroclor-1016-5	250	68869989.0	275500	100	29752260.0	297500	50.0	15364885.0	307300
Aroclor-1260-1	250	128156240	512600	100	58247230.0	582500	50.0	30172169.0	603400
Aroclor-1260-2	250	143657393	574600	100	63802375.0	638000	50.0	32688654.0	653800
Aroclor-1260-3	250	89132117.0	356500	100	37816193.0	378200	50.0	20459490.0	409200
Aroclor-1260-4	250	182611078	730400	100	73370910.0	733700	50.0	39358784.0	787200
Aroclor-1260-5	250	42726536.0	170900	100	17375454.0	173800	50.0	8962286.00	179200

INT_CAL - Modified 03/06/2008
PDF File ID: 1925417
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.
ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L11020447 Run Date: 06/23/2010 Sample ID: WG335138-07
Instrument ID: HP9 Run Time: 18:03 Method: 8082
File ID: 9GR57263.R Analyst: ECL QC Key: DOD4
ICal Workgroup: WG335138 Cal ID: HP9 - 23-JUN-10

Analyte		Expected	Found	Units	RF	%D	UCL	Q
Aroclor-1254		500	490	ug/L	293000	2.00	20	

* Exceeds %D Limit

ALT - Modified 09/06/2007
Version 1.5 PDF File ID: 1925418
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.
ALTERNATE SOURCE CALIBRATION REPORT

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357030-07
Instrument ID: HP9 Run Time: 19:09 Method: 8082
File ID: 9GR60441.R Analyst: ECL QC Key: DOD4
ICal Workgroup: WG357030 Cal ID: HP9 - 18-FEB-11

Analyte		Expected	Found	Units	RF	%D	UCL	Q
Aroclor-1016		250	224	ug/L	416000	10.3	20	
Aroclor-1260		250	244	ug/L	459000	2.40	20	

* Exceeds %D Limit

ALT - Modified 09/06/2007
Version 1.5 PDF File ID: 1925418
Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357031-04

Instrument ID: HP9 Run Time: 17:28 Method: 8082

File ID: 9GR60477.R Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357014 Cal ID: HP9 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Aroclor-1016		250	272	ug/L	510000	8.78	20	
Aroclor-1221		NA		ug/L			20	
Aroclor-1232		NA		ug/L			20	
Aroclor-1242		NA		ug/L			20	
Aroclor-1248		NA		ug/L			20	
Aroclor-1254		NA		ug/L			20	
Aroclor-1260		250	281	ug/L	540000	12.4	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1925419

Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357031-05

Instrument ID: HP9 Run Time: 20:28 Method: 8082

File ID: 9GR60487.R Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357014 Cal ID: HP9 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Aroclor-1016		500	498	ug/L	467000	0.428	20	
Aroclor-1221		NA		ug/L			20	
Aroclor-1232		NA		ug/L			20	
Aroclor-1242		NA		ug/L			20	
Aroclor-1248		NA		ug/L			20	
Aroclor-1254		NA		ug/L			20	
Aroclor-1260		500	514	ug/L	494000	2.80	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1925419

Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357031-06

Instrument ID: HP9 Run Time: 23:46 Method: 8082

File ID: 9GR60498.R Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357014 Cal ID: HP9 - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Aroclor-1016		250	281	ug/L	529000	12.6	20	
Aroclor-1221		NA		ug/L			20	
Aroclor-1232		NA		ug/L			20	
Aroclor-1242		NA		ug/L			20	
Aroclor-1248		NA		ug/L			20	
Aroclor-1254		NA		ug/L			20	
Aroclor-1260		250	298	ug/L	574000	19.0	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1925419

Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357031-07

Instrument ID: HP9 Run Time: 02:10 Method: 8082

File ID: 9GR60506.R Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357027 Cal ID: HP9 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Aroclor-1016		500	529	ug/L	496000	5.77	20	
Aroclor-1221		NA		ug/L			20	
Aroclor-1232		NA		ug/L			20	
Aroclor-1242		NA		ug/L			20	
Aroclor-1248		NA		ug/L			20	
Aroclor-1254		NA		ug/L			20	
Aroclor-1260		500	531	ug/L	513000	6.16	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1925419

Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357211-01

Instrument ID: HP9 Run Time: 11:11 Method: 8082

File ID: 9GR60508.R Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357027 Cal ID: HP9 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Aroclor-1016		500	512	ug/L	482000	2.39	20	
Aroclor-1221		NA		ug/L			20	
Aroclor-1232		NA		ug/L			20	
Aroclor-1242		NA		ug/L			20	
Aroclor-1248		NA		ug/L			20	
Aroclor-1254		NA		ug/L			20	
Aroclor-1260		500	553	ug/L	530000	10.5	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1925419

Report generated 02/24/2011 08:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357211-02

Instrument ID: HP9 Run Time: 15:44 Method: 8082

File ID: 9GR60520.R Analyst: ECL QC Key: DOD4

Workgroup (AAB#): WG357027 Cal ID: HP9 - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	RF	%D	UCL	Q
Aroclor-1016		250	280	ug/L	528000	12.0	20	
Aroclor-1221		NA		ug/L			20	
Aroclor-1232		NA		ug/L			20	
Aroclor-1242		NA		ug/L			20	
Aroclor-1248		NA		ug/L			20	
Aroclor-1254		NA		ug/L			20	
Aroclor-1260		250	286	ug/L	552000	14.4	20	

* Exceeds %D Criteria

CCV - Modified 03/05/2008

PDF File ID: 1925419

Report generated 02/24/2011 08:23

2.1.3.3 Sample Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60499.D Vial: 35
Acq On : 22 Feb 2011 00:04 Operator: ECL
Sample : L11020447-01 REF Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:44:13 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.399	209963213	15.4342	UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery = 77.17%		
12) S Decachlorobiphenyl	11.018	101574204	14.8326	UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery = 74.16%		
Target Compounds				
2) L1 Aroclor-1016-1	0.000	0	N.D.	UG/L
3) L1 Aroclor-1016-2	0.000	0	N.D.	UG/L
4) L1 Aroclor-1016-3	0.000	0	N.D.	UG/L
5) L1 Aroclor-1016-4	0.000	0	N.D.	UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D.	UG/L
Sum Aroclor-1016-1		0	N.D.	UG/L
Average Aroclor-1016-1			0.000	UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D.	UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D.	UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D.	UG/L
10) L2 Aroclor-1260-4	0.000	0	N.D.	UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D.	UG/L
Sum Aroclor-1260-1		0	N.D.	UG/L
Average Aroclor-1260-1			0.000	UG/L

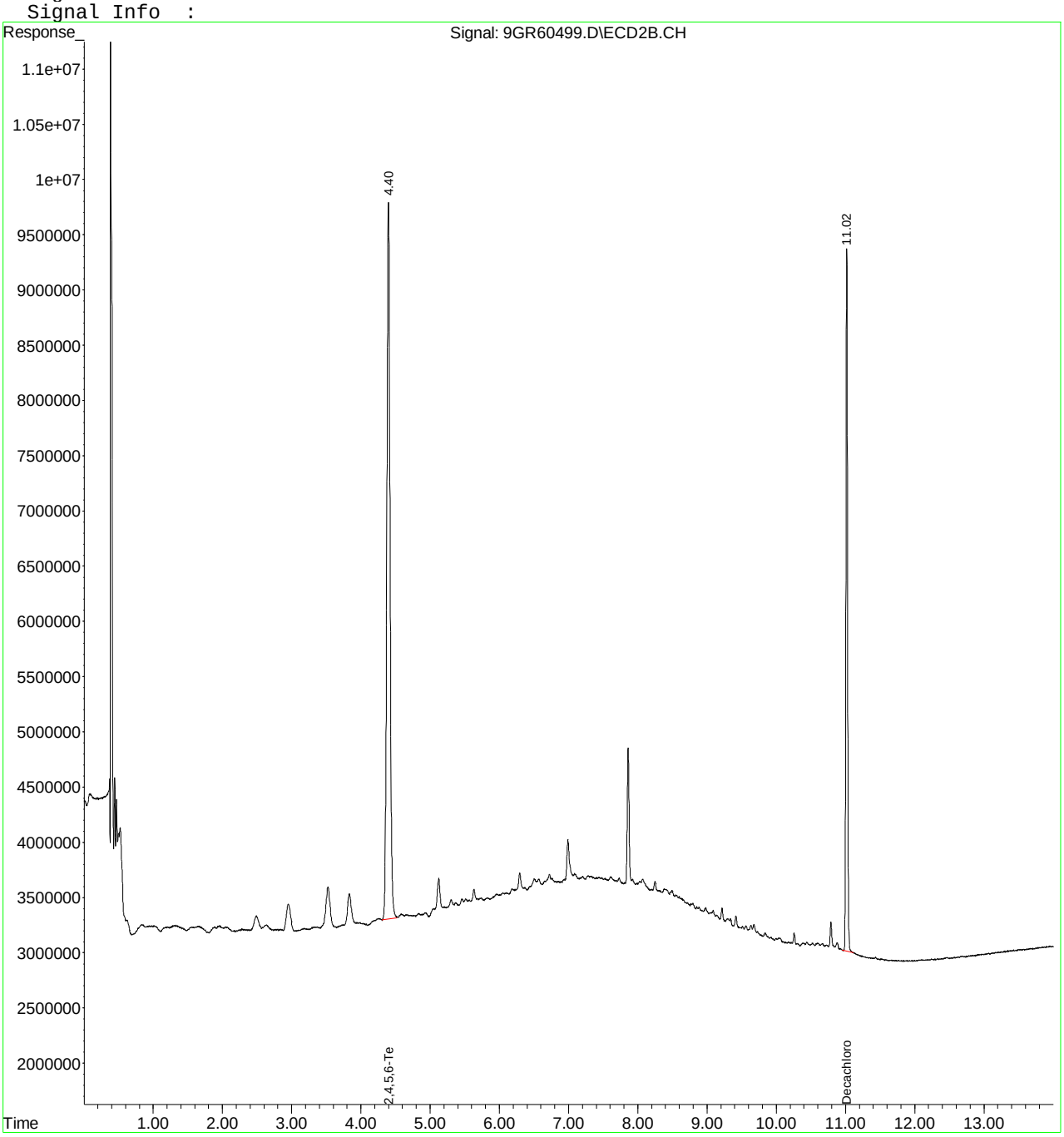
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60499.D 1660R.M Tue Feb 22 08:46:40 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60499.D Vial: 35
Acq On : 22 Feb 2011 00:04 Operator: ECL
Sample : L11020447-01 REF Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:44 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60495.D Vial: 31
Acq On : 21 Feb 2011 22:52 Operator: ECL
Sample : L11020447-02 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:57 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.403	207601966	15.2607	UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery = 76.30%		
12) S Decachlorobiphenyl	11.020	94277568	13.7671	UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery = 68.84%		
Target Compounds				
2) L1 Aroclor-1016-1	0.000	0	N.D.	UG/L
3) L1 Aroclor-1016-2	0.000	0	N.D.	UG/L
4) L1 Aroclor-1016-3	0.000	0	N.D.	UG/L
5) L1 Aroclor-1016-4	0.000	0	N.D.	UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D.	UG/L
Sum Aroclor-1016-1		0	N.D.	UG/L
Average Aroclor-1016-1			0.000	UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D.	UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D.	UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D.	UG/L
10) L2 Aroclor-1260-4	0.000	0	N.D.	UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D.	UG/L
Sum Aroclor-1260-1		0	N.D.	UG/L
Average Aroclor-1260-1			0.000	UG/L

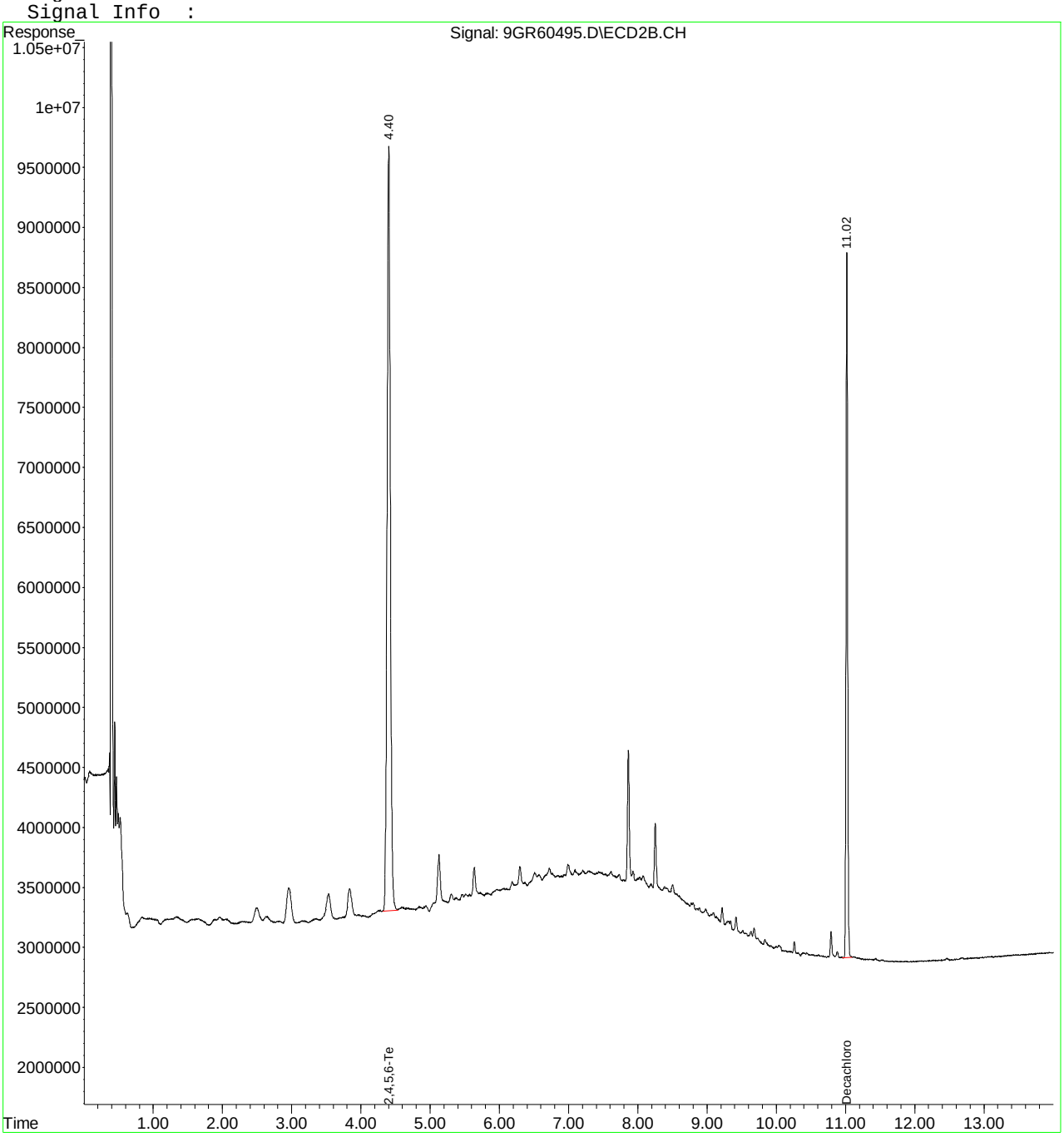
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60495.D 1660R.M Tue Feb 22 08:46:39 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60495.D Vial: 31
Acq On : 21 Feb 2011 22:52 Operator: ECL
Sample : L11020447-02 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60500.D Vial: 36
Acq On : 22 Feb 2011 00:22 Operator: ECL
Sample : L11020447-03 MS Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:44:18 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.402	163691531	12.0328 UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery = 60.16%	
12) S Decachlorobiphenyl	11.020	73010216	10.6615 UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery = 53.31%	
Target Compounds			
2) L1 Aroclor-1016-1	5.329	44611762	190.9629 UG/L
3) L1 Aroclor-1016-2	5.956	92987756	188.2124 UG/L
4) L1 Aroclor-1016-3	6.574	180872929	199.4163 UG/L
5) L1 Aroclor-1016-4	6.741	80527177	194.7958 UG/L
6) L1 Aroclor-1016-5	7.283	54229798	191.2271 UG/L
Sum Aroclor-1016-1		453.2E6	964.6145 UG/L
Average Aroclor-1016-1			192.923 UG/L
7) L2 Aroclor-1260-1	8.570	105479017	199.6640 UG/L
8) L2 Aroclor-1260-2	8.766	115884346	195.6163 UG/L
9) L2 Aroclor-1260-3	9.450	74893786	202.3873 UG/L
10) L2 Aroclor-1260-4	9.672	139723538	187.0722 UG/L
11) L2 Aroclor-1260-5	10.504	32451208	187.6938 UG/L
Sum Aroclor-1260-1		468.4E6	972.4336 UG/L
Average Aroclor-1260-1			194.487 UG/L

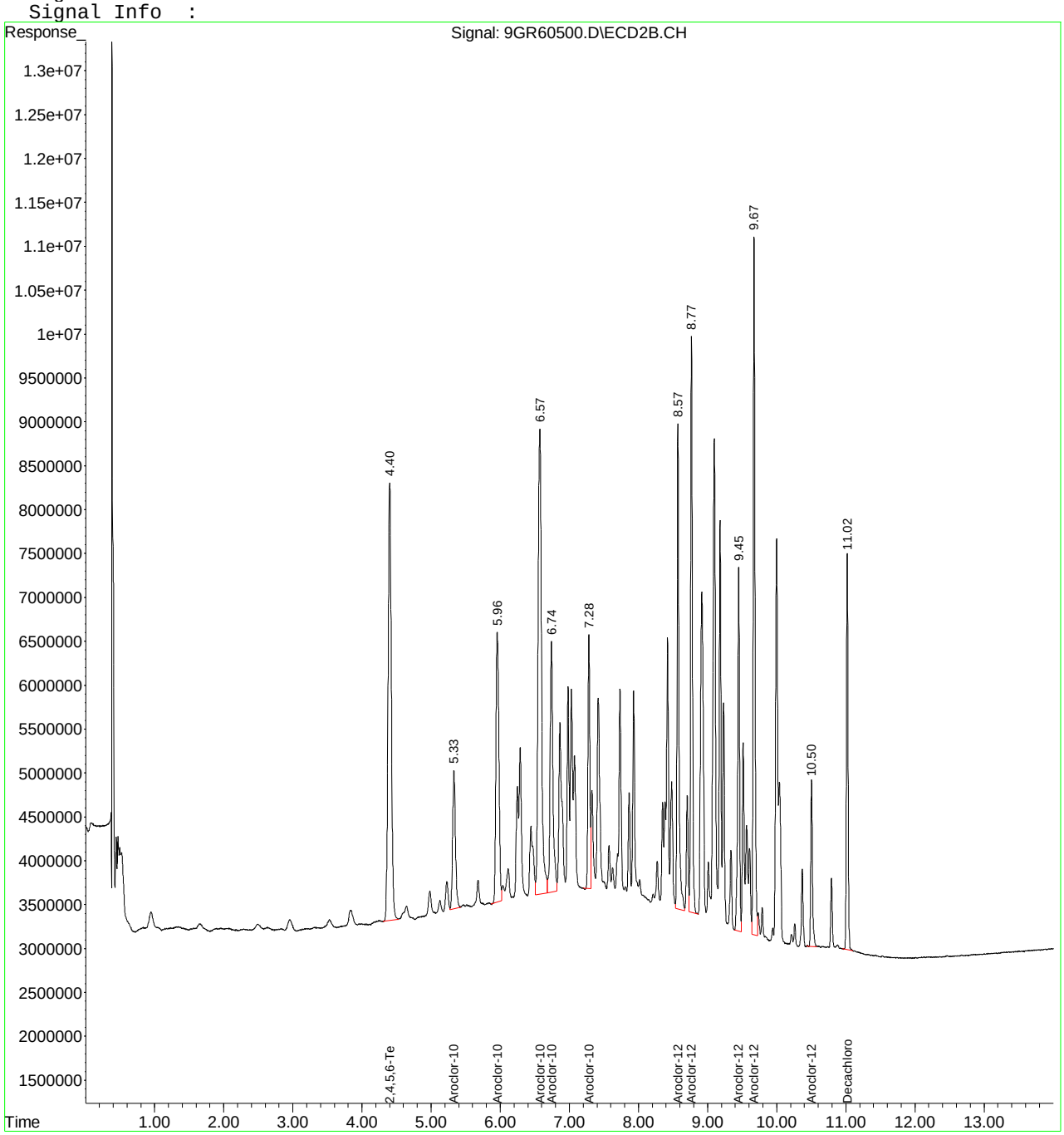
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60500.D 1660R.M Tue Feb 22 08:46:41 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60500.D Vial: 36
Acq On : 22 Feb 2011 00:22 Operator: ECL
Sample : L11020447-03 MS Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:44 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60501.D Vial: 37
Acq On : 22 Feb 2011 00:40 Operator: ECL
Sample : L11020447-04 MSD Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:44:24 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.399	192336014	14.1385 UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery =	70.69%
12) S Decachlorobiphenyl	11.019	85598907	12.4998 UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery =	62.50%
Target Compounds			
2) L1 Aroclor-1016-1	5.326	52372794	224.1843 UG/L
3) L1 Aroclor-1016-2	5.954	108471940	219.5533 UG/L
4) L1 Aroclor-1016-3	6.570	212512553	234.2997 UG/L
5) L1 Aroclor-1016-4	6.738	94731974	229.1573 UG/L
6) L1 Aroclor-1016-5	7.281	64075917	225.9469 UG/L
Sum Aroclor-1016-1		532.2E6	1133.1415 UG/L
Average Aroclor-1016-1			226.628 UG/L
7) L2 Aroclor-1260-1	8.568	124303159	235.2967 UG/L
8) L2 Aroclor-1260-2	8.764	138357517	233.5517 UG/L
9) L2 Aroclor-1260-3	9.448	90374087	244.2200 UG/L
10) L2 Aroclor-1260-4	9.670	170910910	228.8281 UG/L
11) L2 Aroclor-1260-5	10.502	39930413	230.9527 UG/L
Sum Aroclor-1260-1		563.9E6	1172.8492 UG/L
Average Aroclor-1260-1			234.570 UG/L

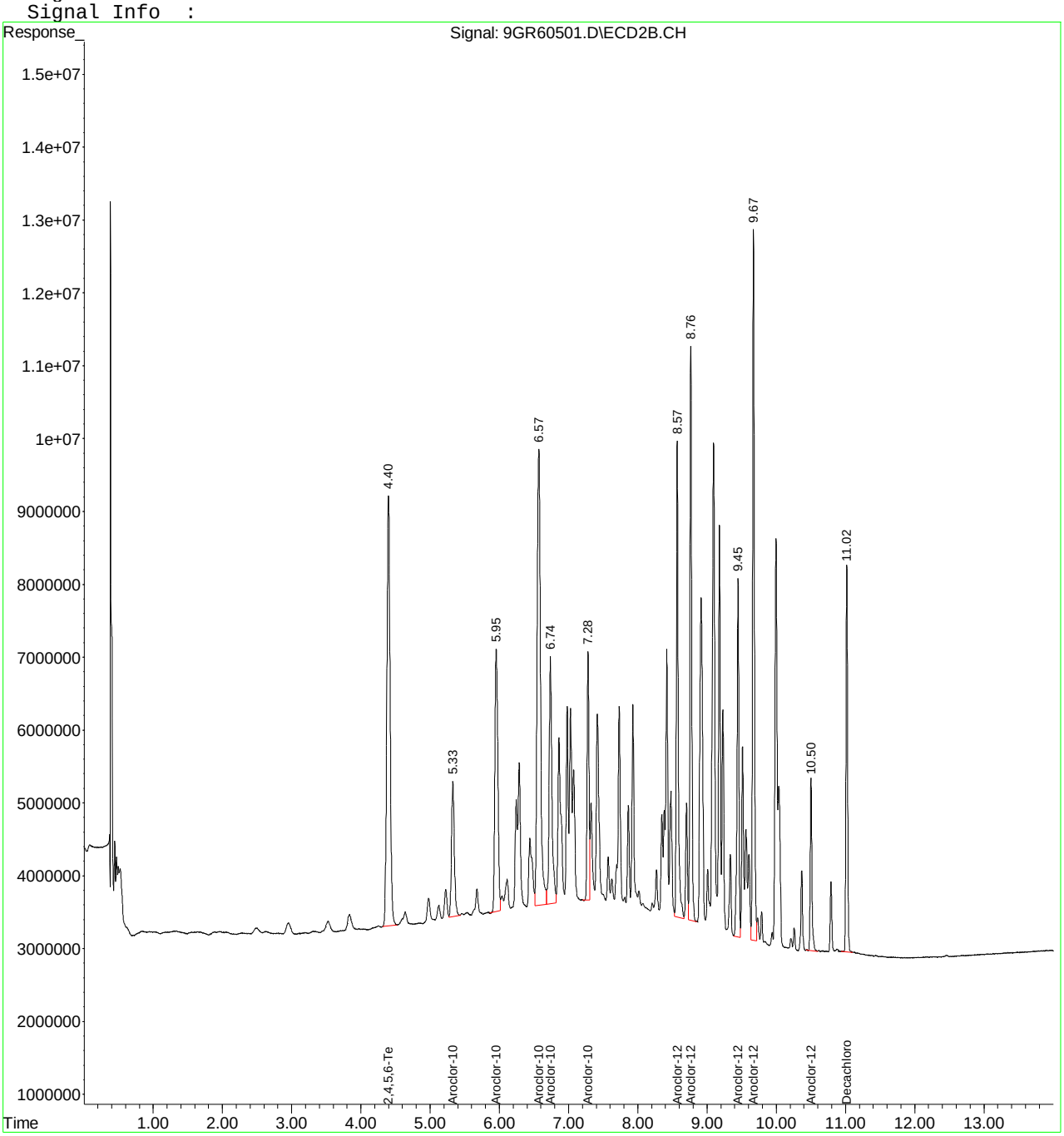
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60501.D Vial: 37
Acq On : 22 Feb 2011 00:40 Operator: ECL
Sample : L11020447-04 MSD Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:44 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60492.D Vial: 28
Acq On : 21 Feb 2011 21:58 Operator: ECL
Sample : L11020447-05 Inst : HP9
Misc : 1,10 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:39 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.405	238007855	17.4958	UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery = 87.48%		
12) S Decachlorobiphenyl	11.021	110021739	16.0662	UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery = 80.33%		
Target Compounds				
2) L1 Aroclor-1016-1	0.000	0	N.D.	UG/L
3) L1 Aroclor-1016-2	0.000	0	N.D.	UG/L
4) L1 Aroclor-1016-3	0.000	0	N.D.	UG/L
5) L1 Aroclor-1016-4	0.000	0	N.D.	UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D.	UG/L
Sum Aroclor-1016-1		0	N.D.	UG/L
Average Aroclor-1016-1			0.000	UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D.	UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D.	UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D.	UG/L
10) L2 Aroclor-1260-4	0.000	0	N.D.	UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D.	UG/L
Sum Aroclor-1260-1		0	N.D.	UG/L
Average Aroclor-1260-1			0.000	UG/L

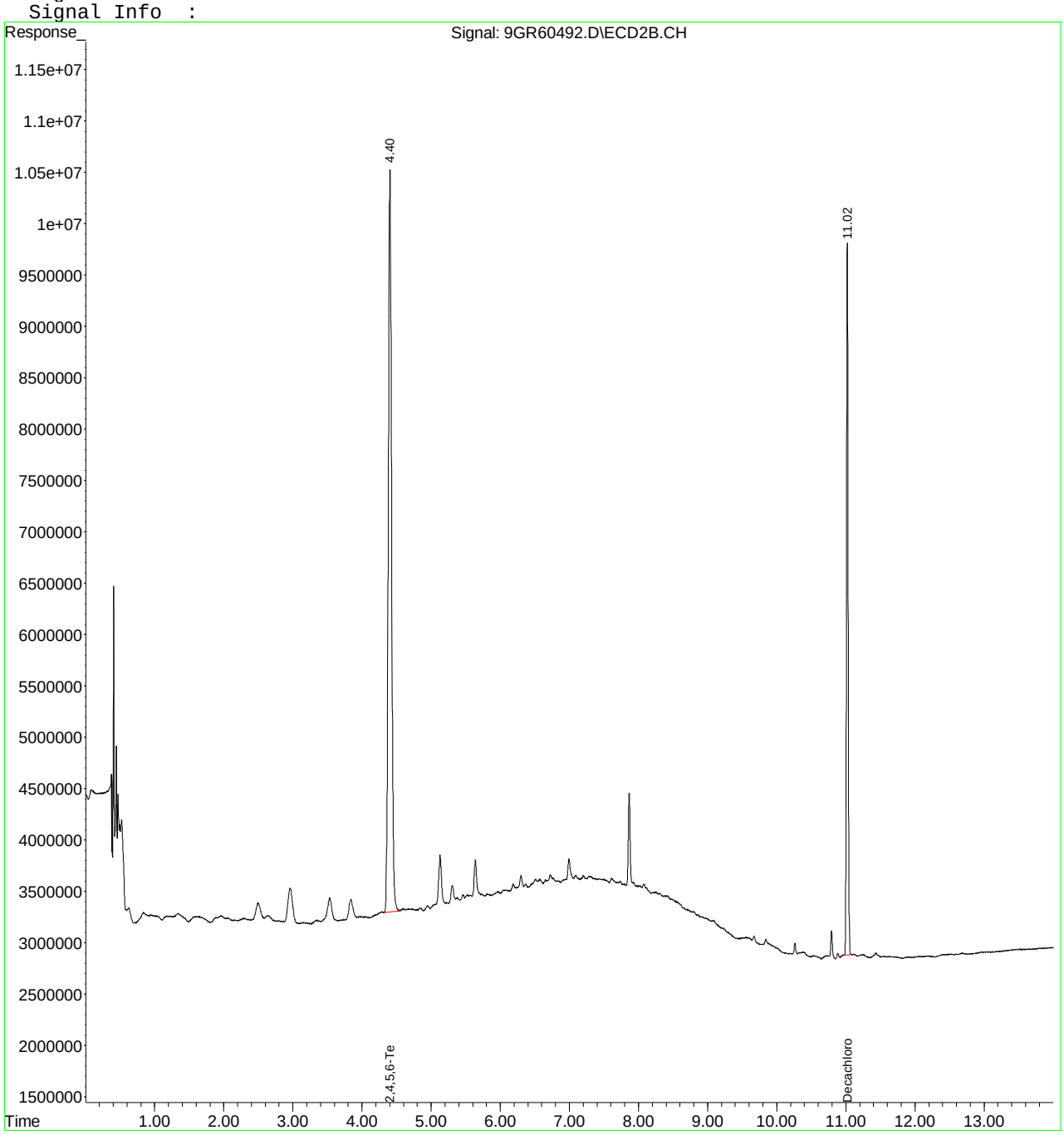
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60492.D 1660R.M Tue Feb 22 08:46:37 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60492.D Vial: 28
Acq On : 21 Feb 2011 21:58 Operator: ECL
Sample : L11020447-05 Inst : HP9
Misc : 1,10 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022211\9GR60509.D Vial: 3
Acq On : 22 Feb 2011 12:26 Operator: ECL
Sample : L11020447-06 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 23 10:27:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.398	228007975	16.7607	UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery = 83.80%		
12) S Decachlorobiphenyl	11.022	119712747	17.4813	UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery = 87.41%		
Target Compounds				
2) L1 Aroclor-1016-1	0.000	0	N.D.	UG/L
3) L1 Aroclor-1016-2	0.000	0	N.D.	UG/L
4) L1 Aroclor-1016-3	0.000	0	N.D.	UG/L
5) L1 Aroclor-1016-4	0.000	0	N.D.	UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D.	UG/L
Sum Aroclor-1016-1		0	N.D.	UG/L
Average Aroclor-1016-1			0.000	UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D.	UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D.	UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D.	UG/L
10) L2 Aroclor-1260-4	0.000	0	N.D.	UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D.	UG/L
Sum Aroclor-1260-1		0	N.D.	UG/L
Average Aroclor-1260-1			0.000	UG/L

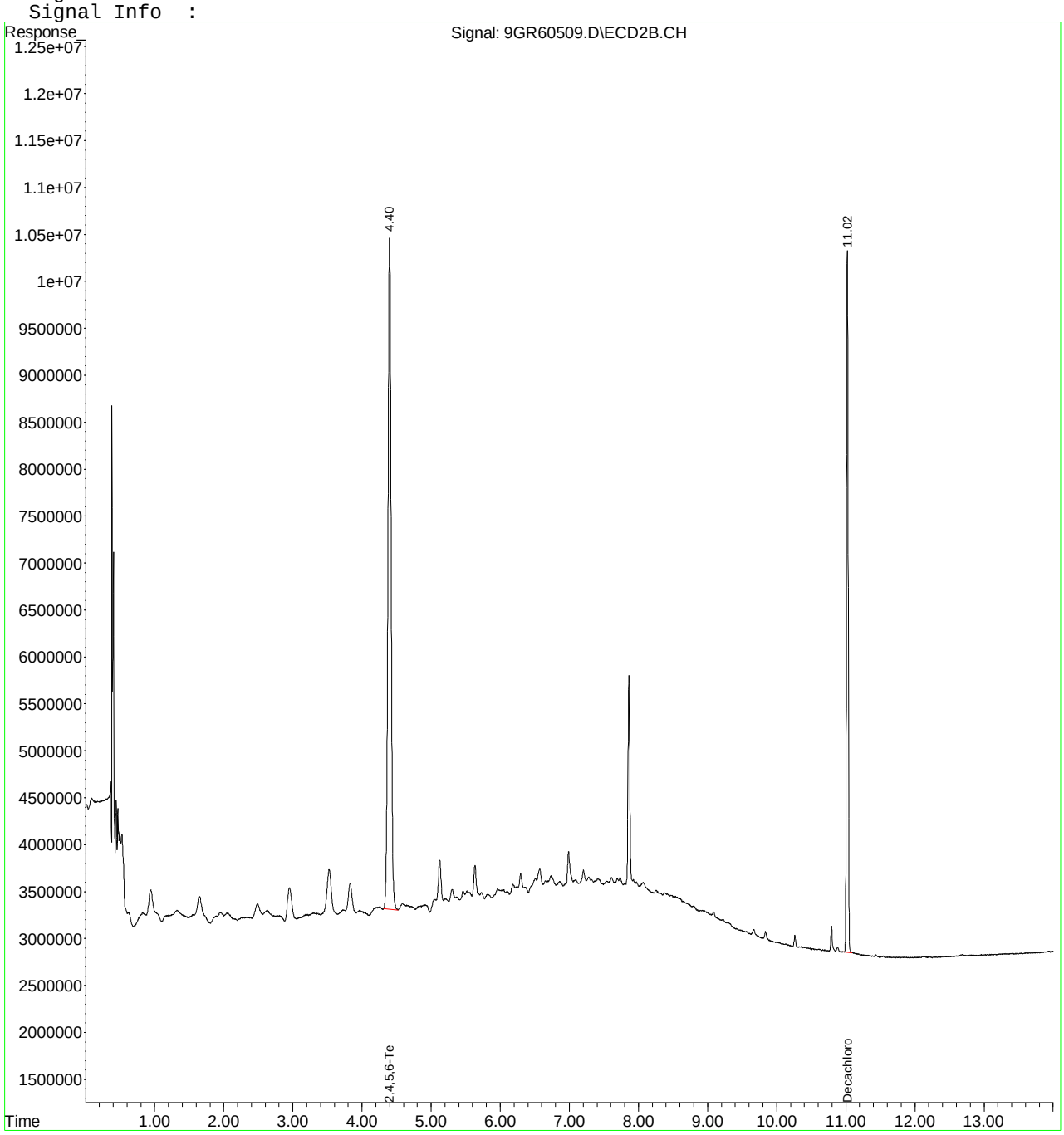
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60509.D 1660R.M Wed Feb 23 10:32:42 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022211\9GR60509.D Vial: 3
Acq On : 22 Feb 2011 12:26 Operator: ECL
Sample : L11020447-06 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 23 10:27 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60497.D Vial: 33
Acq On : 21 Feb 2011 23:28 Operator: ECL
Sample : L11020447-07 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:43:43 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.399	210866071	15.5006 UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery =	77.50%
12) S Decachlorobiphenyl	11.021	117243619	17.1208 UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery =	85.60%
Target Compounds			
2) L1 Aroclor-1016-1	0.000	0	N.D. UG/L
3) L1 Aroclor-1016-2	5.965	19660293	39.7935 UG/L
4) L1 Aroclor-1016-3	6.563	16359504	18.0367 UG/L
5) L1 Aroclor-1016-4	6.724	8825696	21.3494 UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D. UG/L
Sum Aroclor-1016-1		44845493	79.1797 UG/L
Average Aroclor-1016-1			26.393 UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D. UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D. UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D. UG/L
10) L2 Aroclor-1260-4	0.000	0	N.D. UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D. UG/L
Sum Aroclor-1260-1		0	N.D. UG/L
Average Aroclor-1260-1			0.000 UG/L

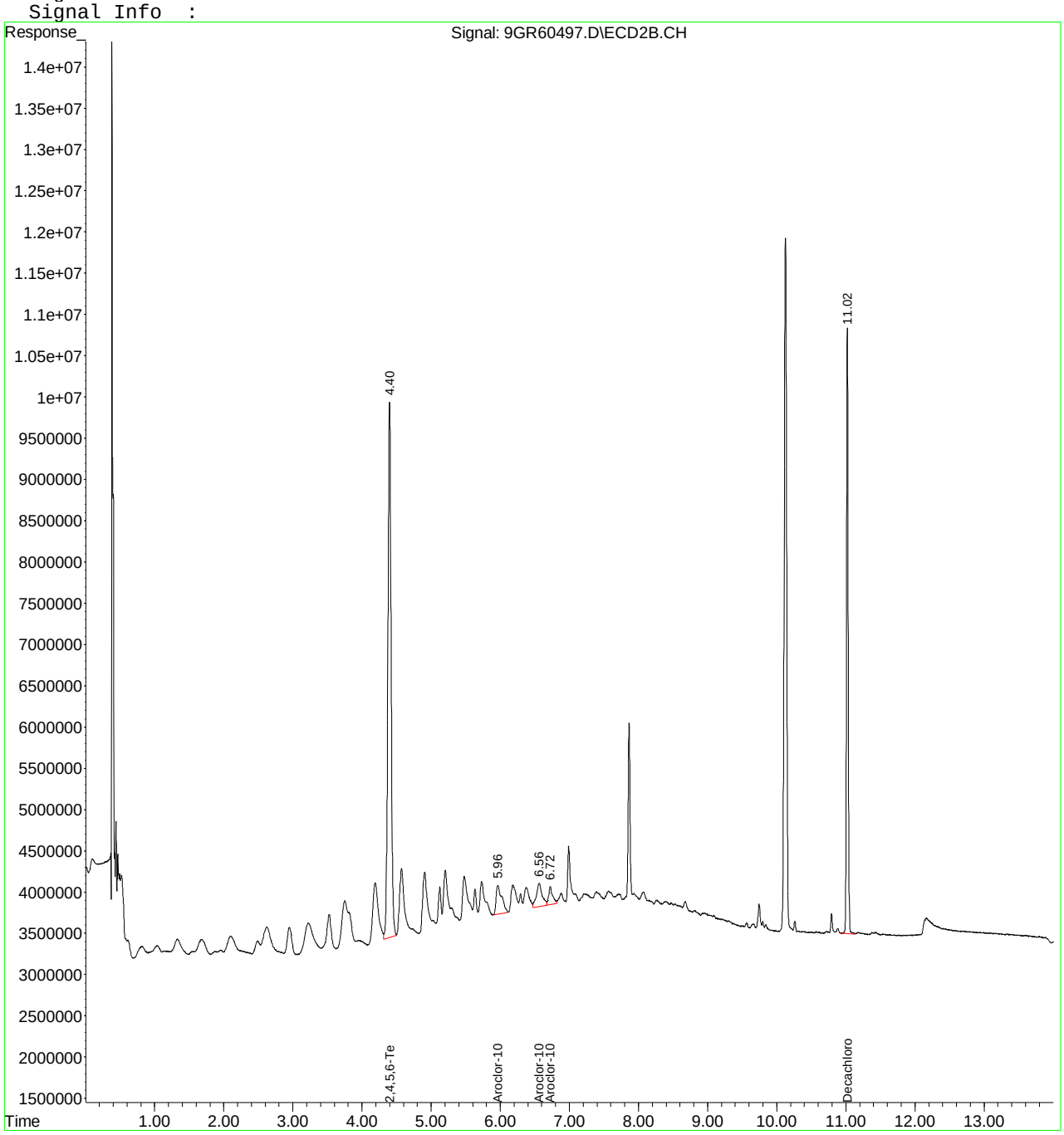
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60497.D Vial: 33
Acq On : 21 Feb 2011 23:28 Operator: ECL
Sample : L11020447-07 Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:43 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



2.1.3.4 Standards Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57257.D Vial: 8
Acq On : 23 Jun 2010 16:15 Operator: ECL
Sample : WG335138-01 1254 ICAL 2000 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:22:02 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:00 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.466	833792112	86.7371 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	433.69%#
7) S Decachlorobiphenyl	11.061	386709786	76.5300 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	382.65%#
Target Compounds			
2) L1 Aroclor-1254-1	7.334	162226094	1608.2629 UG/L
3) L1 Aroclor-1254-2	7.978	524725200	1556.7107 UG/L
4) L1 Aroclor-1254-3	8.433	773739915	1632.6078 UG/L
5) L1 Aroclor-1254-4	8.812	347199347	1527.1814 UG/L
6) L1 Aroclor-1254-5	9.146	682539754	1702.7172 UG/L
Sum Aroclor-1254-1		2490.4E6	8027.4800 UG/L
Average Aroclor-1254-1			1605.496 UG/L

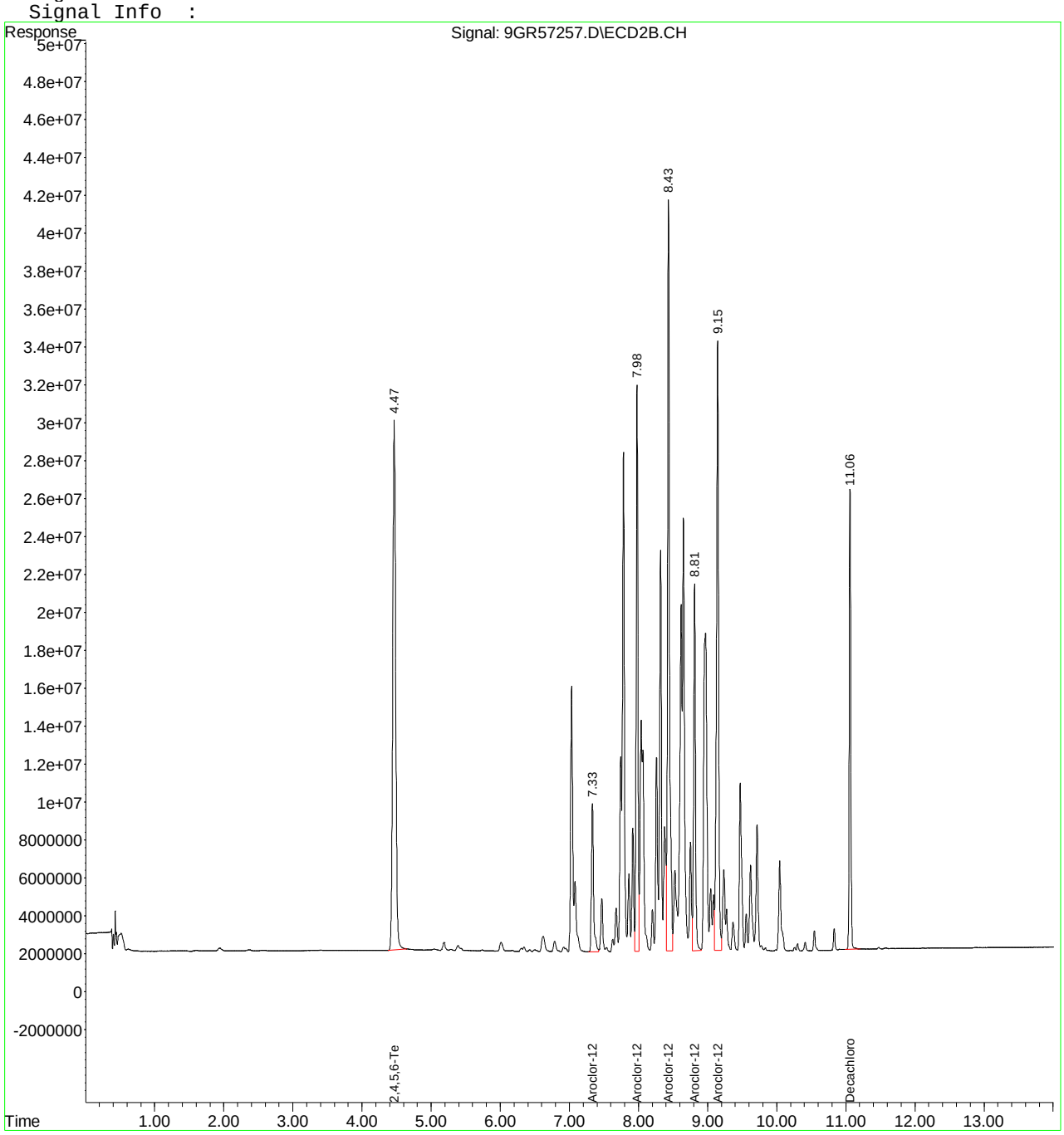
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR57257.D 1254R.M Thu Jun 24 08:23:40 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57257.D Vial: 8
Acq On : 23 Jun 2010 16:15 Operator: ECL
Sample : WG335138-01 1254 ICAL 2000 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:22 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:00 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57258.D Vial: 9
Acq On : 23 Jun 2010 16:33 Operator: ECL
Sample : WG335138-02 1254 ICAL 1000 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:22:15 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:13 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.465	452771858	47.1133 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	235.57%#
7) S Decachlorobiphenyl	11.066	213312925	42.2521 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	211.26%#
Target Compounds			
2) L1 Aroclor-1254-1	7.332	90871252	904.5762 UG/L
3) L1 Aroclor-1254-2	7.977	291267584	864.1099 UG/L
4) L1 Aroclor-1254-3	8.432	418730523	883.5353 UG/L
5) L1 Aroclor-1254-4	8.812	193641333	851.7712 UG/L
6) L1 Aroclor-1254-5	9.146	367181747	916.0130 UG/L
Sum Aroclor-1254-1		1361.7E6	4420.0057 UG/L
Average Aroclor-1254-1			884.001 UG/L

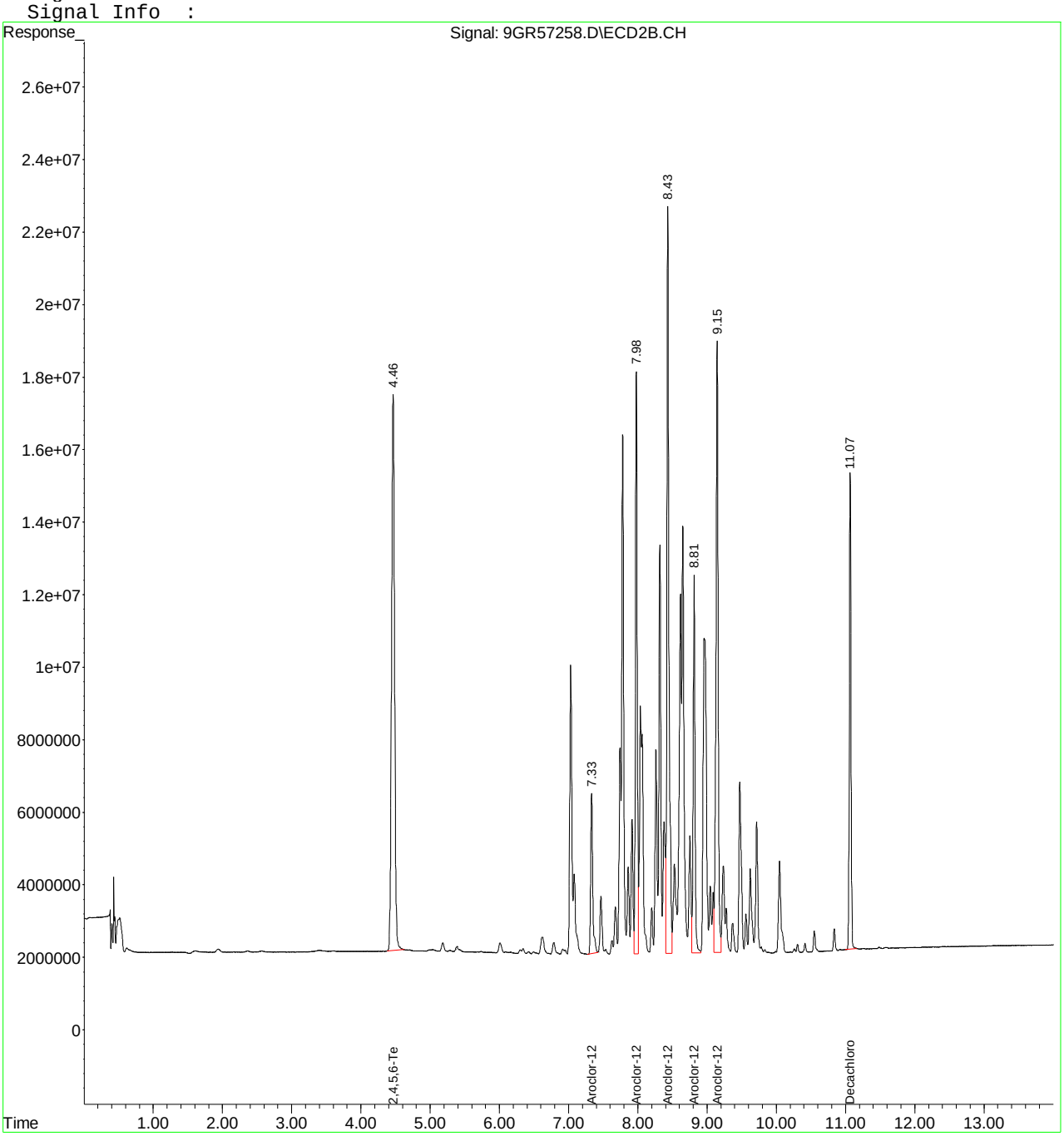
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57258.D Vial: 9
Acq On : 23 Jun 2010 16:33 Operator: ECL
Sample : WG335138-02 1254 ICAL 1000 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:22 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:13 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57259.D Vial: 10
Acq On : 23 Jun 2010 16:51 Operator: ECL
Sample : WG335138-03 1254 ICAL 500 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:22:29 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:27 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.482	227077852	23.6474 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	118.24%
7) S Decachlorobiphenyl	11.058	117675696	23.3323 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	116.66%
Target Compounds			
2) L1 Aroclor-1254-1	7.338	49628416	495.9531 UG/L
3) L1 Aroclor-1254-2	7.980	156885134	465.4898 UG/L
4) L1 Aroclor-1254-3	8.434	224815214	474.4054 UG/L
5) L1 Aroclor-1254-4	8.812	106497655	468.5177 UG/L
6) L1 Aroclor-1254-5	9.145	197086780	491.6891 UG/L
Sum Aroclor-1254-1		734.9E6	2396.0551 UG/L
Average Aroclor-1254-1			479.211 UG/L

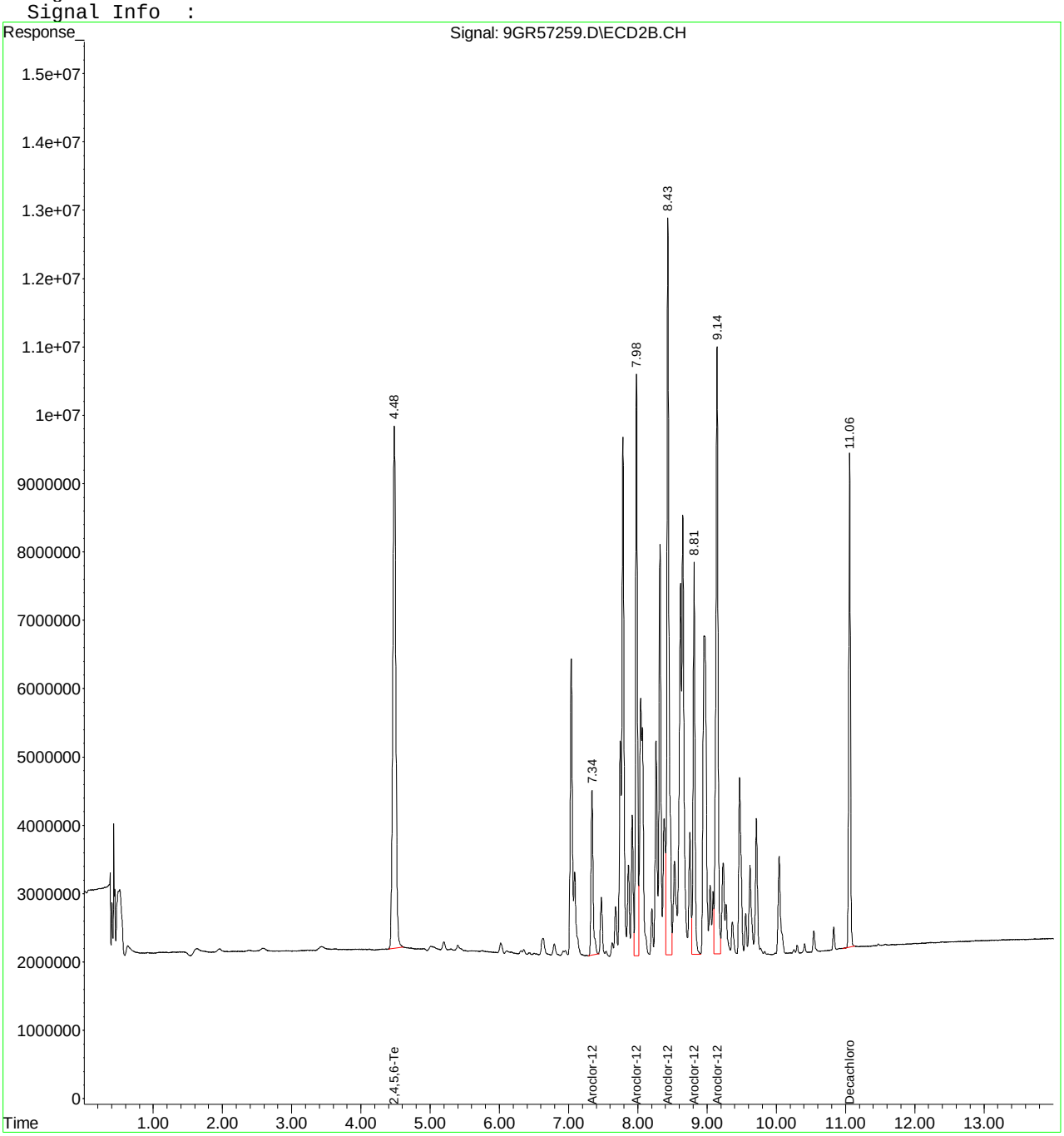
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR57259.D 1254R.M Thu Jun 24 08:23:42 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57259.D Vial: 10
Acq On : 23 Jun 2010 16:51 Operator: ECL
Sample : WG335138-03 1254 ICAL 500 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:22 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:27 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57260.D Vial: 11
Acq On : 23 Jun 2010 17:09 Operator: ECL
Sample : WG335138-04 1254 ICAL 250 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:22:41 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:40 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.464	117618672	12.2574 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	61.29%
7) S Decachlorobiphenyl	11.062	62864227	12.4757 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	62.38%
Target Compounds			
2) L1 Aroclor-1254-1	7.328	26185404	262.4121 UG/L
3) L1 Aroclor-1254-2	7.972	82590761	245.5232 UG/L
4) L1 Aroclor-1254-3	8.427	115430055	243.7867 UG/L
5) L1 Aroclor-1254-4	8.806	56031778	247.3057 UG/L
6) L1 Aroclor-1254-5	9.141	93657661	236.7524 UG/L
Sum Aroclor-1254-1		373.9E6	1235.7801 UG/L
Average Aroclor-1254-1			247.156 UG/L

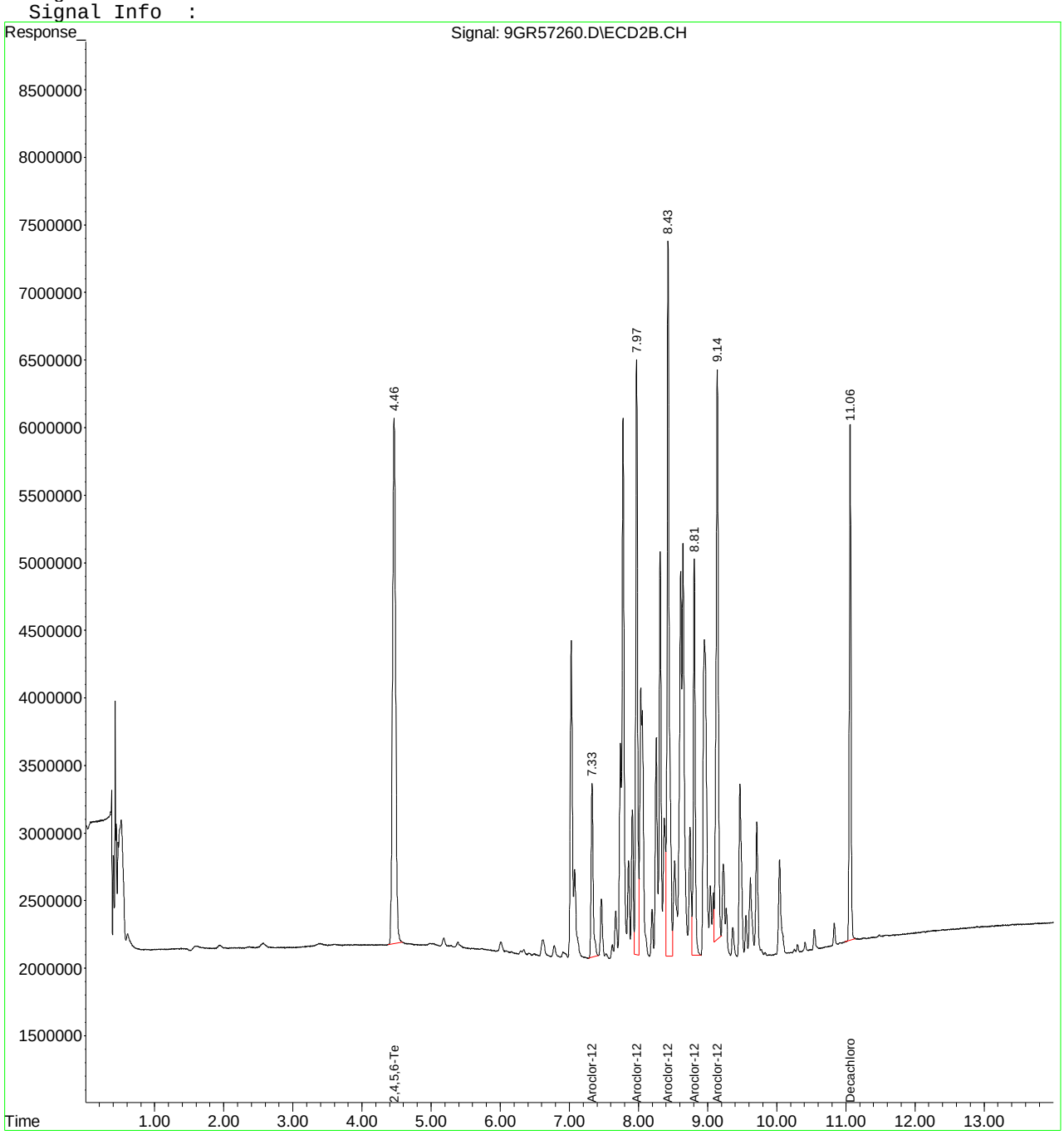
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57260.D Vial: 11
Acq On : 23 Jun 2010 17:09 Operator: ECL
Sample : WG335138-04 1254 ICAL 250 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:22 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:40 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57261.D Vial: 12
Acq On : 23 Jun 2010 17:27 Operator: ECL
Sample : WG335138-05 1254 ICAL 100 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:22:54 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:52 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.467	52178356	5.4377 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	27.19%#
7) S Decachlorobiphenyl	11.055	29562368	5.8668 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	29.33%#
Target Compounds			
2) L1 Aroclor-1254-1	7.329	11055604	110.7917 UG/L
3) L1 Aroclor-1254-2	7.973	39045582	116.0735 UG/L
4) L1 Aroclor-1254-3	8.427	53550885	113.0988 UG/L
5) L1 Aroclor-1254-4	8.806	26364199	116.3628 UG/L
6) L1 Aroclor-1254-5	9.140	43062704	108.8560 UG/L
Sum Aroclor-1254-1		173.1E6	565.1827 UG/L
Average Aroclor-1254-1			113.037 UG/L

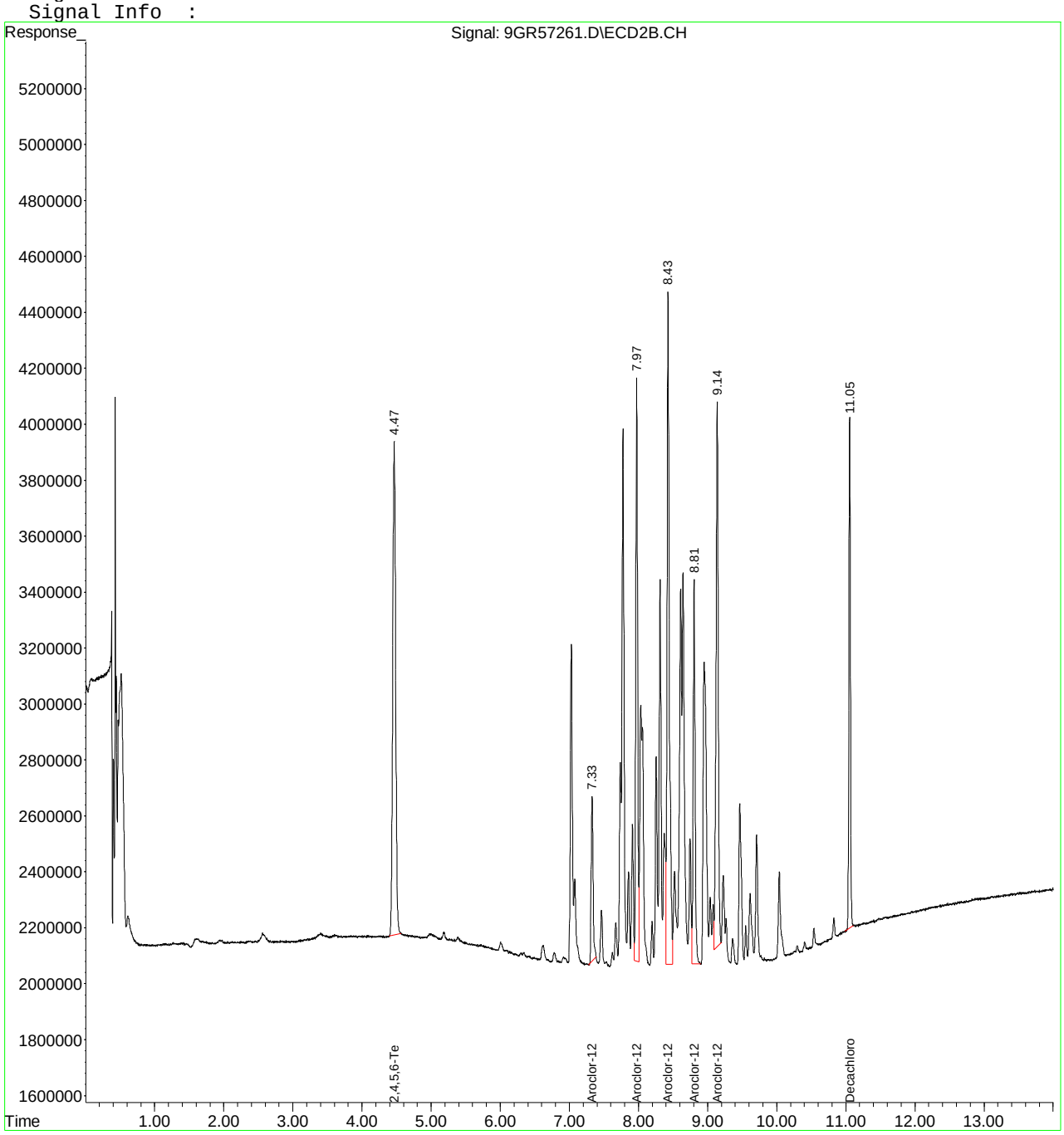
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR57261.D 1254R.M Thu Jun 24 08:23:43 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57261.D Vial: 12
Acq On : 23 Jun 2010 17:27 Operator: ECL
Sample : WG335138-05 1254 ICAL 100 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:22 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:52 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57262.D Vial: 13
Acq On : 23 Jun 2010 17:45 Operator: ECL
Sample : WG335138-06 1254 ICAL 50 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:23:13 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:52 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.464	28131993	2.9317 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	14.66%#
7) S Decachlorobiphenyl	11.059	16128763	3.2008 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	16.00%#
Target Compounds			
2) L1 Aroclor-1254-1	7.330	5609259	56.2121 UG/L
3) L1 Aroclor-1254-2	7.974	21505072	63.9296 UG/L
4) L1 Aroclor-1254-3	8.428	29423357	62.1417 UG/L
5) L1 Aroclor-1254-4	8.807	14570408	64.3089 UG/L
6) L1 Aroclor-1254-5	9.141	23283850	58.8580 UG/L
Sum Aroclor-1254-1		94391948	305.4505 UG/L
Average Aroclor-1254-1			61.090 UG/L

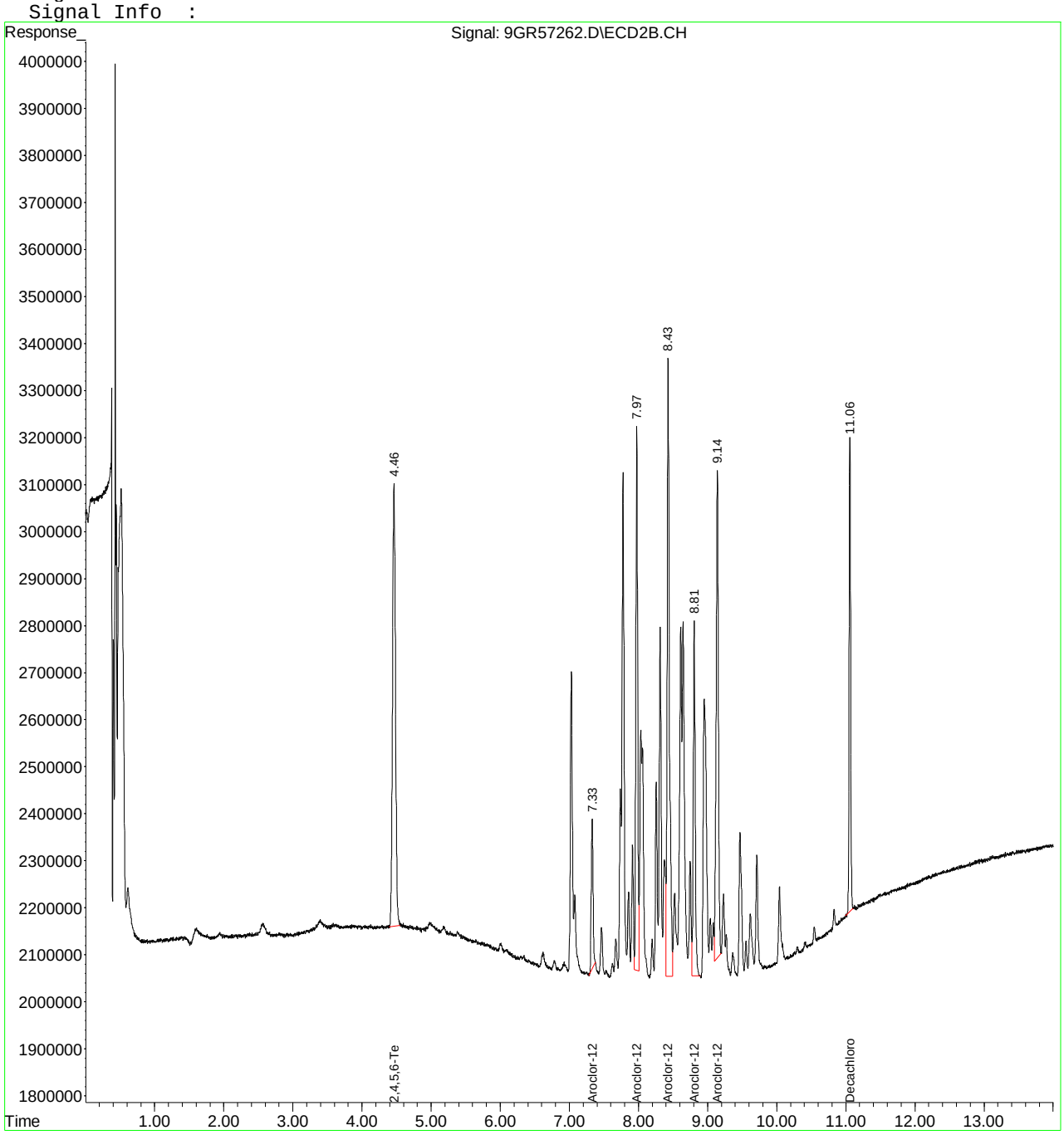
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR57262.D 1254R.M Thu Jun 24 08:23:43 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57262.D Vial: 13
Acq On : 23 Jun 2010 17:45 Operator: ECL
Sample : WG335138-06 1254 ICAL 50 PPB Inst : HP9
Misc : 1,1 STD38442 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:23 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:52 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57263.D Vial: 14
Acq On : 23 Jun 2010 18:03 Operator: ECL
Sample : WG335138-07 1254 ALT 500 PPB Inst : HP9
Misc : 1,1 STD38446 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 08:23:18 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:52 2010
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.000	0	N.D. UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	0.00%#
7) S Decachlorobiphenyl	0.000	0	N.D. UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	0.00%#
Target Compounds			
2) L1 Aroclor-1254-1	7.321	57462882	575.8535 UG/L
3) L1 Aroclor-1254-2	7.965	161000162	478.6162 UG/L
4) L1 Aroclor-1254-3	8.419	227285427	480.0238 UG/L
5) L1 Aroclor-1254-4	8.799	99683749	439.9710 UG/L
6) L1 Aroclor-1254-5	9.132	188190605	475.7174 UG/L
Sum Aroclor-1254-1		733.6E6	2450.1818 UG/L
Average Aroclor-1254-1			490.036 UG/L

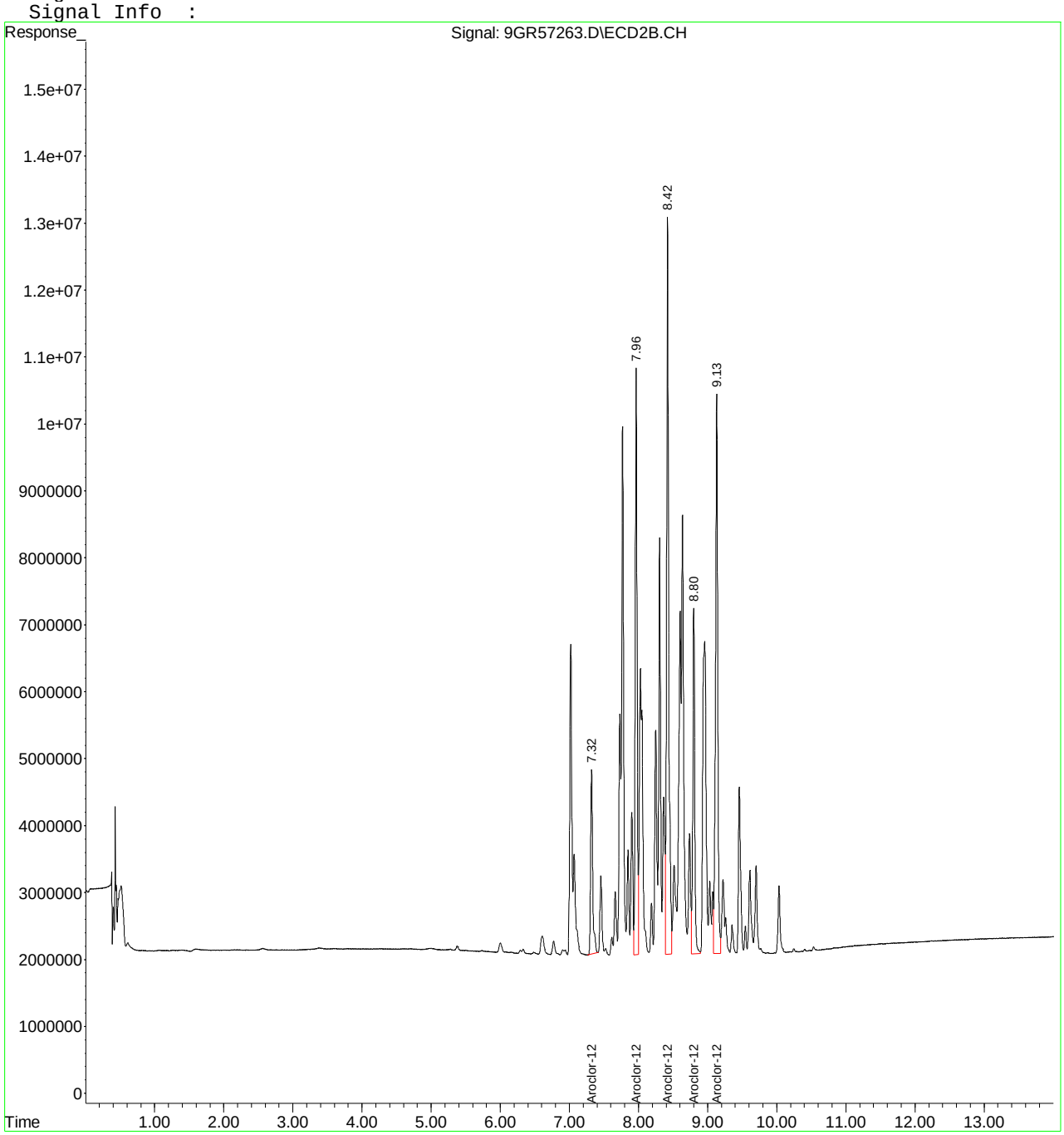
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR57263.D 1254R.M Thu Jun 24 08:23:44 2010 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\062310\9GR57263.D Vial: 14
Acq On : 23 Jun 2010 18:03 Operator: ECL
Sample : WG335138-07 1254 ALT 500 PPB Inst : HP9
Misc : 1,1 STD38446 Multiplr: 1.00
IntFile : events.e
Quant Time: Jun 24 8:23 2010 Quant Results File: 1254R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1254R.M (Chemstation Integrator)
Title : 8082 CALIBRATION June 23, 2010
Last Update : Thu Jun 24 08:22:52 2010
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60435.D Vial: 2
Acq On : 18 Feb 2011 17:22 Operator: ECL
Sample : WG357030-01 1660 ICAL 2000 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:15 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

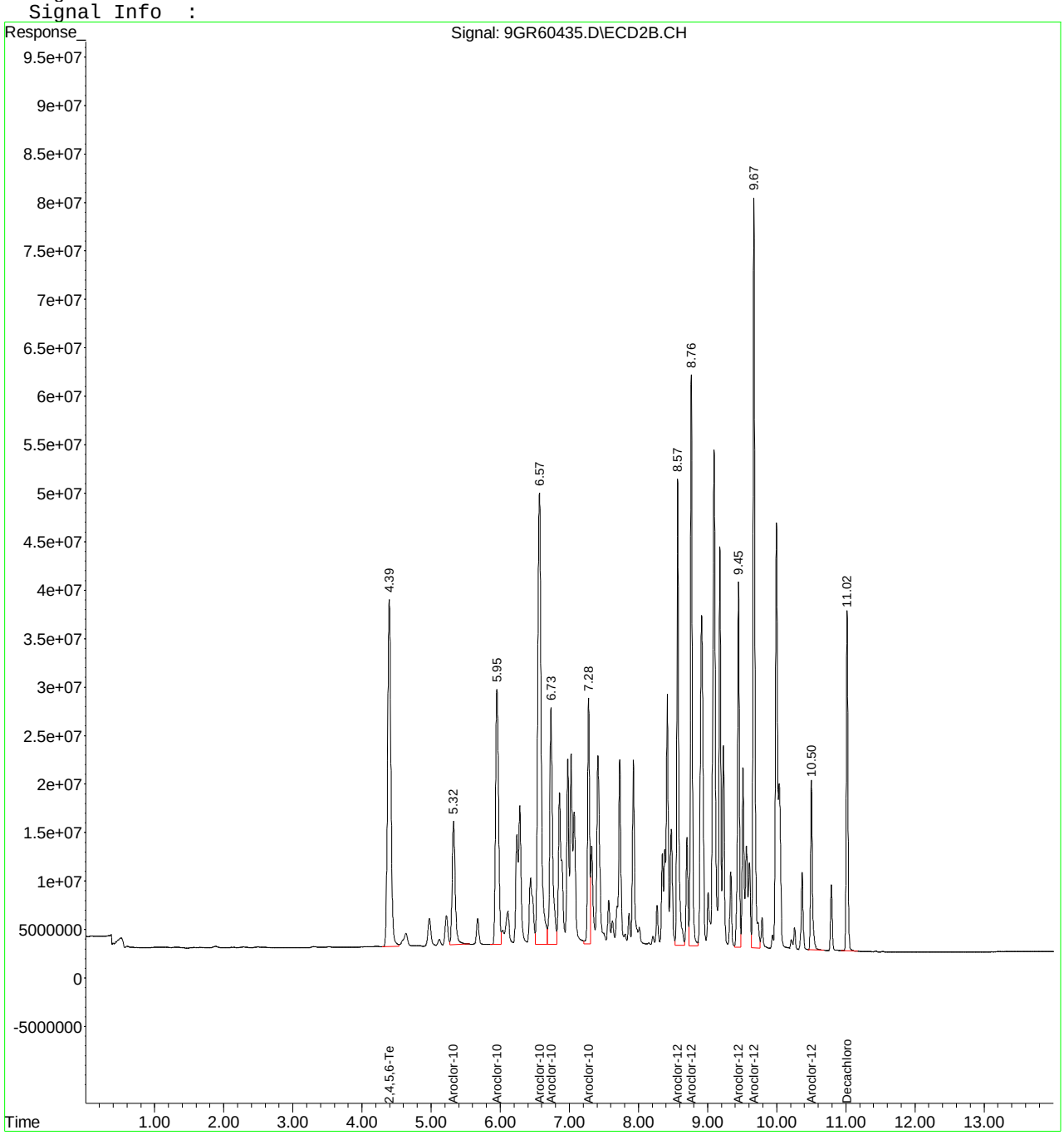
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.395	1195542893	87.8834 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	439.42%#
12) S Decachlorobiphenyl	11.018	566326205	82.6991 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	413.50%#
Target Compounds			
2) L1 Aroclor-1016-1	5.323	391543818	1676.0227 UG/L
3) L1 Aroclor-1016-2	5.952	802504721	1624.3145 UG/L
4) L1 Aroclor-1016-3	6.568	1602571461	1766.8695 UG/L
5) L1 Aroclor-1016-4	6.735	703590091	1701.9895 UG/L
6) L1 Aroclor-1016-5	7.278	497813028	1755.4069 UG/L
Sum Aroclor-1016-1		3998.0E6	8524.6031 UG/L
Average Aroclor-1016-1			1704.921 UG/L
7) L2 Aroclor-1260-1	8.567	905444537	1713.9396 UG/L
8) L2 Aroclor-1260-2	8.763	1049174649	1771.0386 UG/L
9) L2 Aroclor-1260-3	9.447	671025651	1813.3286 UG/L
10) L2 Aroclor-1260-4	9.669	1408478880	1885.7755 UG/L
11) L2 Aroclor-1260-5	10.502	316287424	1829.3680 UG/L
Sum Aroclor-1260-1		4350.4E6	9013.4504 UG/L
Average Aroclor-1260-1			1802.690 UG/L

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60435.D Vial: 2
Acq On : 18 Feb 2011 17:22 Operator: ECL
Sample : WG357030-01 1660 ICAL 2000 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60436.D Vial: 3
Acq On : 18 Feb 2011 17:39 Operator: ECL
Sample : WG357030-02 1660 ICAL 1000 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:20 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.404	659324825	48.4664 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	242.33%#
12) S Decachlorobiphenyl	11.028	323617292	47.2569 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	236.28%#
Target Compounds			
2) L1 Aroclor-1016-1	5.332	227700571	974.6836 UG/L
3) L1 Aroclor-1016-2	5.961	464161119	939.4881 UG/L
4) L1 Aroclor-1016-3	6.578	918936772	1013.1476 UG/L
5) L1 Aroclor-1016-4	6.746	412690661	998.3017 UG/L
6) L1 Aroclor-1016-5	7.290	284673012	1003.8246 UG/L
Sum Aroclor-1016-1		2308.2E6	4929.4455 UG/L
Average Aroclor-1016-1			985.889 UG/L
7) L2 Aroclor-1260-1	8.578	514138531	973.2263 UG/L
8) L2 Aroclor-1260-2	8.774	592698151	1000.4924 UG/L
9) L2 Aroclor-1260-3	9.458	377842297	1021.0522 UG/L
10) L2 Aroclor-1260-4	9.680	784361371	1050.1609 UG/L
11) L2 Aroclor-1260-5	10.513	179602130	1038.7969 UG/L
Sum Aroclor-1260-1		2448.6E6	5083.7288 UG/L
Average Aroclor-1260-1			1016.746 UG/L

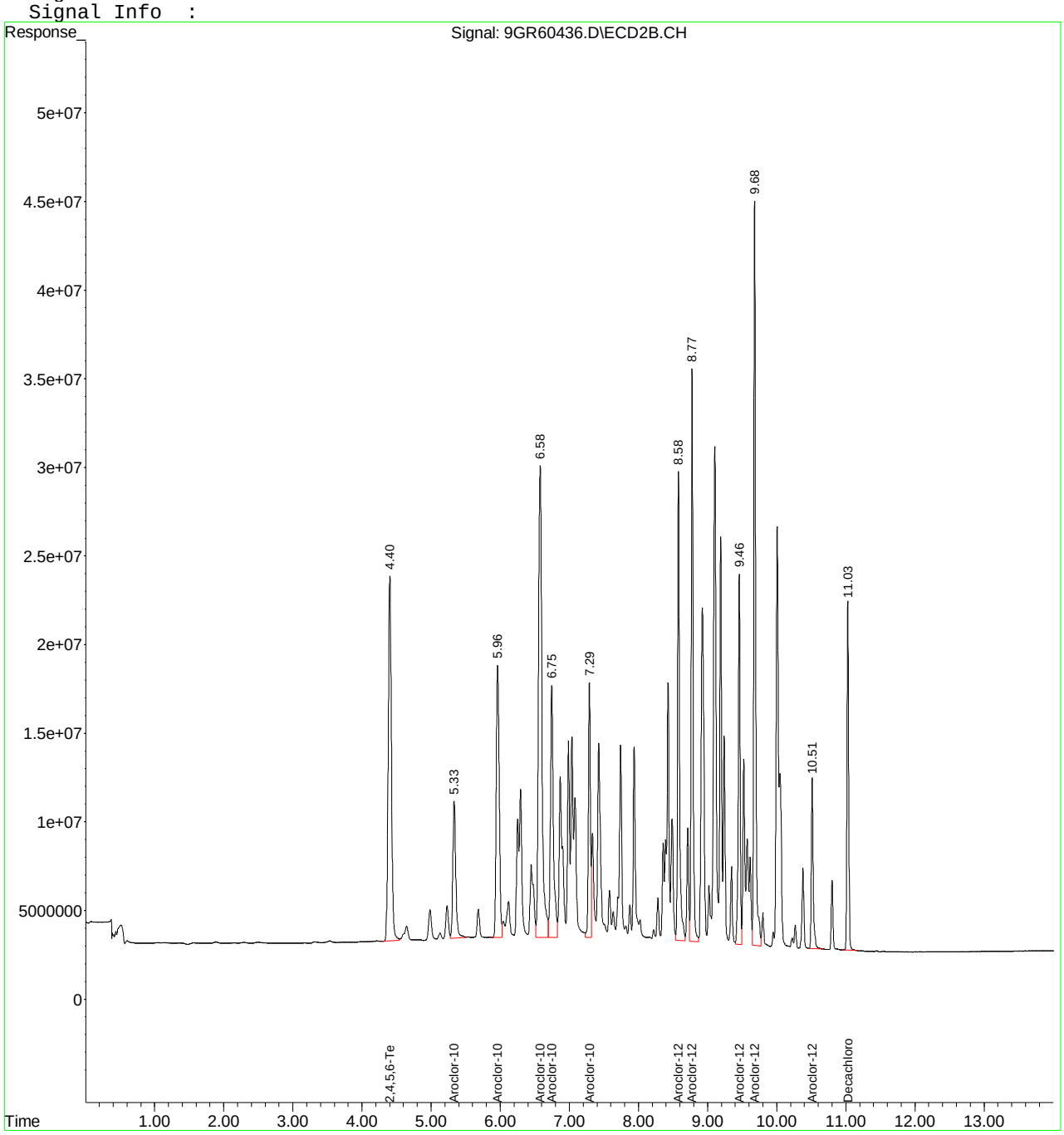
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60436.D 1660R.M Sat Feb 19 12:04:13 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60436.D Vial: 3
Acq On : 18 Feb 2011 17:39 Operator: ECL
Sample : WG357030-02 1660 ICAL 1000 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60437.D Vial: 4
Acq On : 18 Feb 2011 17:57 Operator: ECL
Sample : WG357030-03 1660 ICAL 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:24 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.402	329113313	24.1929 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	120.96%
12) S Decachlorobiphenyl	11.022	165674207	24.1929 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	120.96%
Target Compounds			
2) L1 Aroclor-1016-1	5.329	113745189	486.8919 UG/L
3) L1 Aroclor-1016-2	5.957	237649882	481.0167 UG/L
4) L1 Aroclor-1016-3	6.574	455360787	502.0451 UG/L
5) L1 Aroclor-1016-4	6.741	214095627	517.8989 UG/L
6) L1 Aroclor-1016-5	7.284	143825322	507.1622 UG/L
Sum Aroclor-1016-1		1164.7E6	2495.0147 UG/L
Average Aroclor-1016-1			499.003 UG/L
7) L2 Aroclor-1260-1	8.572	252147157	477.2959 UG/L
8) L2 Aroclor-1260-2	8.769	285363329	481.7020 UG/L
9) L2 Aroclor-1260-3	9.452	181537976	490.5744 UG/L
10) L2 Aroclor-1260-4	9.674	370724156	496.3529 UG/L
11) L2 Aroclor-1260-5	10.507	87856968	508.1540 UG/L
Sum Aroclor-1260-1		1177.6E6	2454.0792 UG/L
Average Aroclor-1260-1			490.816 UG/L

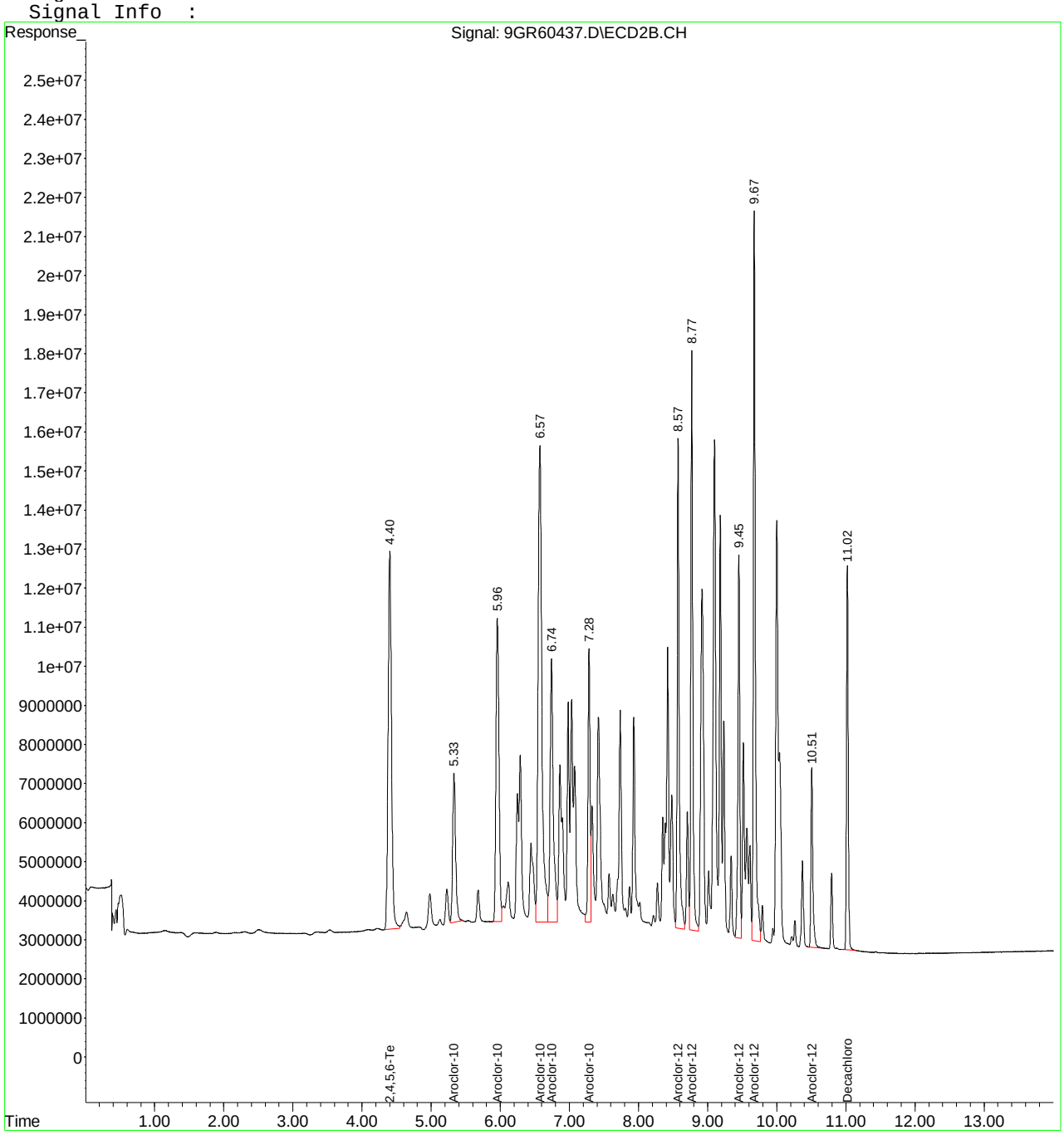
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60437.D Vial: 4
Acq On : 18 Feb 2011 17:57 Operator: ECL
Sample : WG357030-03 1660 ICAL 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60438.D Vial: 5
Acq On : 18 Feb 2011 18:15 Operator: ECL
Sample : WG357030-04 1660 ICAL 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:29 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.404	171358622	12.5964 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery = 62.98%	
12) S Decachlorobiphenyl	11.025	85381848	12.4681 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery = 62.34%	
Target Compounds			
2) L1 Aroclor-1016-1	5.333	59338318	254.0006 UG/L
3) L1 Aroclor-1016-2	5.961	130743049	264.6312 UG/L
4) L1 Aroclor-1016-3	6.577	226620088	249.8535 UG/L
5) L1 Aroclor-1016-4	6.745	106332530	257.2192 UG/L
6) L1 Aroclor-1016-5	7.288	68869989	242.8519 UG/L
Sum Aroclor-1016-1		591.9E6	1268.5565 UG/L
Average Aroclor-1016-1			253.711 UG/L
7) L2 Aroclor-1260-1	8.575	128156240	242.5903 UG/L
8) L2 Aroclor-1260-2	8.772	143657393	242.4980 UG/L
9) L2 Aroclor-1260-3	9.455	89132117	240.8638 UG/L
10) L2 Aroclor-1260-4	9.678	182611078	244.4932 UG/L
11) L2 Aroclor-1260-5	10.510	42726536	247.1251 UG/L
Sum Aroclor-1260-1		586.3E6	1217.5705 UG/L
Average Aroclor-1260-1			243.514 UG/L

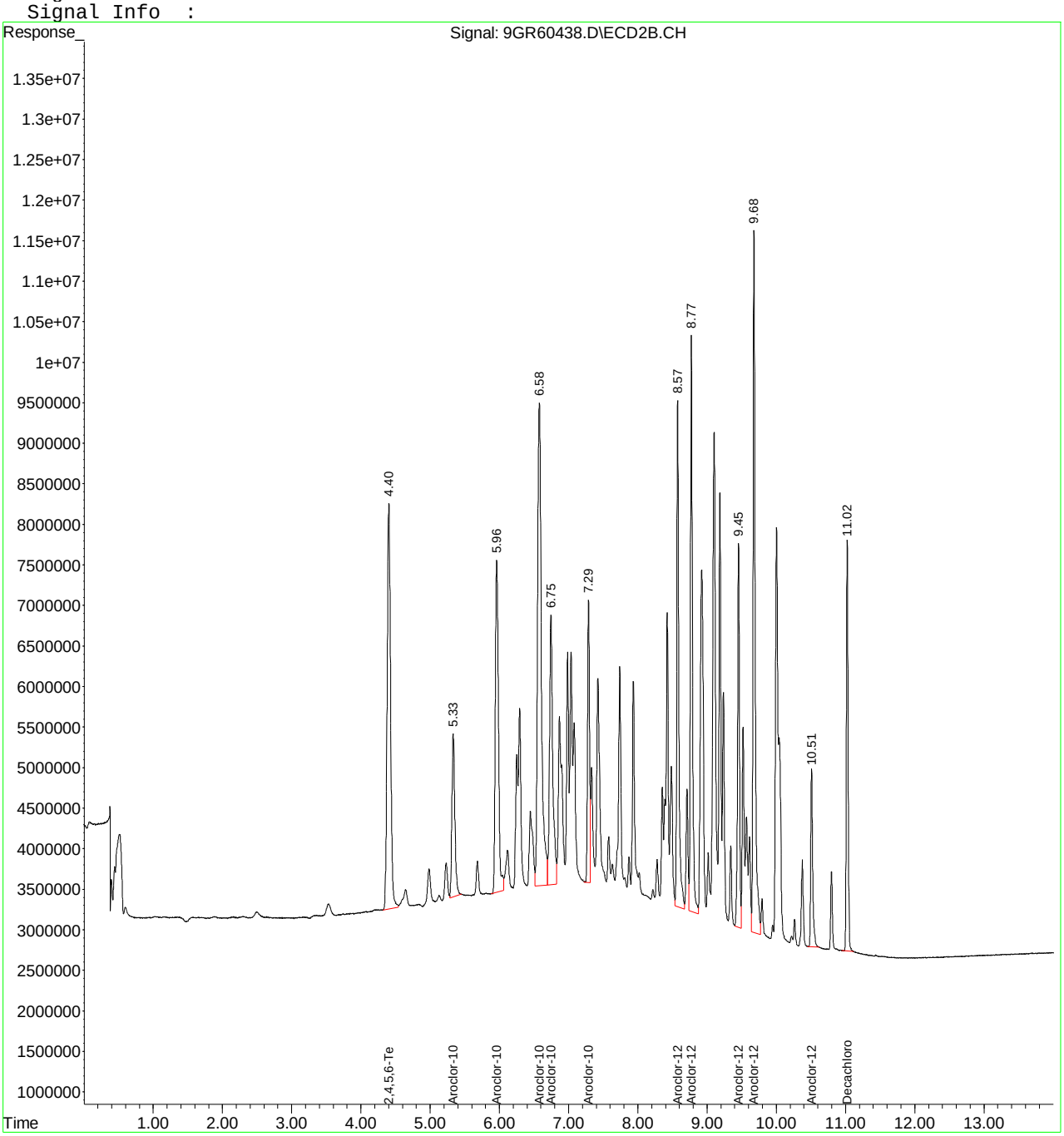
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60438.D Vial: 5
Acq On : 18 Feb 2011 18:15 Operator: ECL
Sample : WG357030-04 1660 ICAL 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60439.D Vial: 6
Acq On : 18 Feb 2011 18:33 Operator: ECL
Sample : WG357030-05 1660 ICAL 100 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:33 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.409	72246592	5.3108 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	26.55%#
12) S Decachlorobiphenyl	11.023	36939540	5.3942 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	26.97%#
Target Compounds			
2) L1 Aroclor-1016-1	5.334	25110036	107.4848 UG/L
3) L1 Aroclor-1016-2	5.963	52692398	106.6524 UG/L
4) L1 Aroclor-1016-3	6.578	92709637	102.2144 UG/L
5) L1 Aroclor-1016-4	6.746	43265285	104.6590 UG/L
6) L1 Aroclor-1016-5	7.288	29752260	104.9135 UG/L
Sum Aroclor-1016-1		243.5E6	525.9241 UG/L
Average Aroclor-1016-1			105.185 UG/L
7) L2 Aroclor-1260-1	8.575	58247230	110.2577 UG/L
8) L2 Aroclor-1260-2	8.771	63802375	107.7003 UG/L
9) L2 Aroclor-1260-3	9.454	37816193	102.1916 UG/L
10) L2 Aroclor-1260-4	9.677	73370910	98.2344 UG/L
11) L2 Aroclor-1260-5	10.509	17375454	100.4975 UG/L
Sum Aroclor-1260-1		250.6E6	518.8816 UG/L
Average Aroclor-1260-1			103.776 UG/L

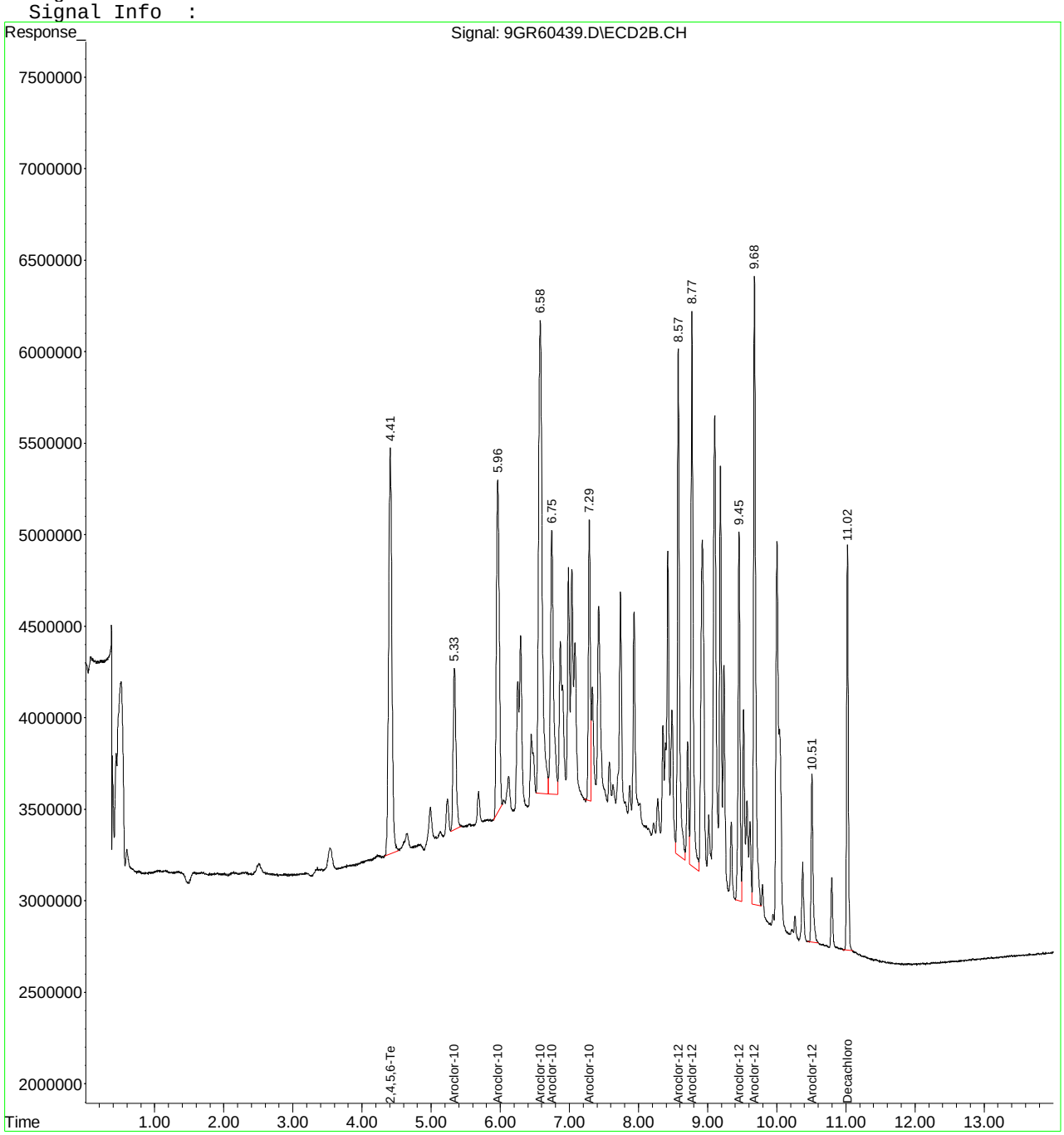
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60439.D Vial: 6
Acq On : 18 Feb 2011 18:33 Operator: ECL
Sample : WG357030-05 1660 ICAL 100 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60440.D Vial: 7
Acq On : 18 Feb 2011 18:51 Operator: ECL
Sample : WG357030-06 1660 ICAL 50 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:01 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.405	37894920	2.7856 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	13.93%#
12) S Decachlorobiphenyl	11.029	20267971	2.9597 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	14.80%#
Target Compounds			
2) L1 Aroclor-1016-1	5.333	13113634	56.1336 UG/L
3) L1 Aroclor-1016-2	5.961	28686776	58.0636 UG/L
4) L1 Aroclor-1016-3	6.576	48877494	53.8885 UG/L
5) L1 Aroclor-1016-4	6.746	21484822	51.9719 UG/L
6) L1 Aroclor-1016-5	7.288	15364885	54.1802 UG/L
Sum Aroclor-1016-1		127.5E6	274.2379 UG/L
Average Aroclor-1016-1			54.848 UG/L
7) L2 Aroclor-1260-1	8.576	30172169	57.1137 UG/L
8) L2 Aroclor-1260-2	8.773	32688654	55.1794 UG/L
9) L2 Aroclor-1260-3	9.457	20459490	55.2882 UG/L
10) L2 Aroclor-1260-4	9.680	39358784	52.6964 UG/L
11) L2 Aroclor-1260-5	10.513	8962286	51.8368 UG/L
Sum Aroclor-1260-1		131.6E6	272.1145 UG/L
Average Aroclor-1260-1			54.423 UG/L

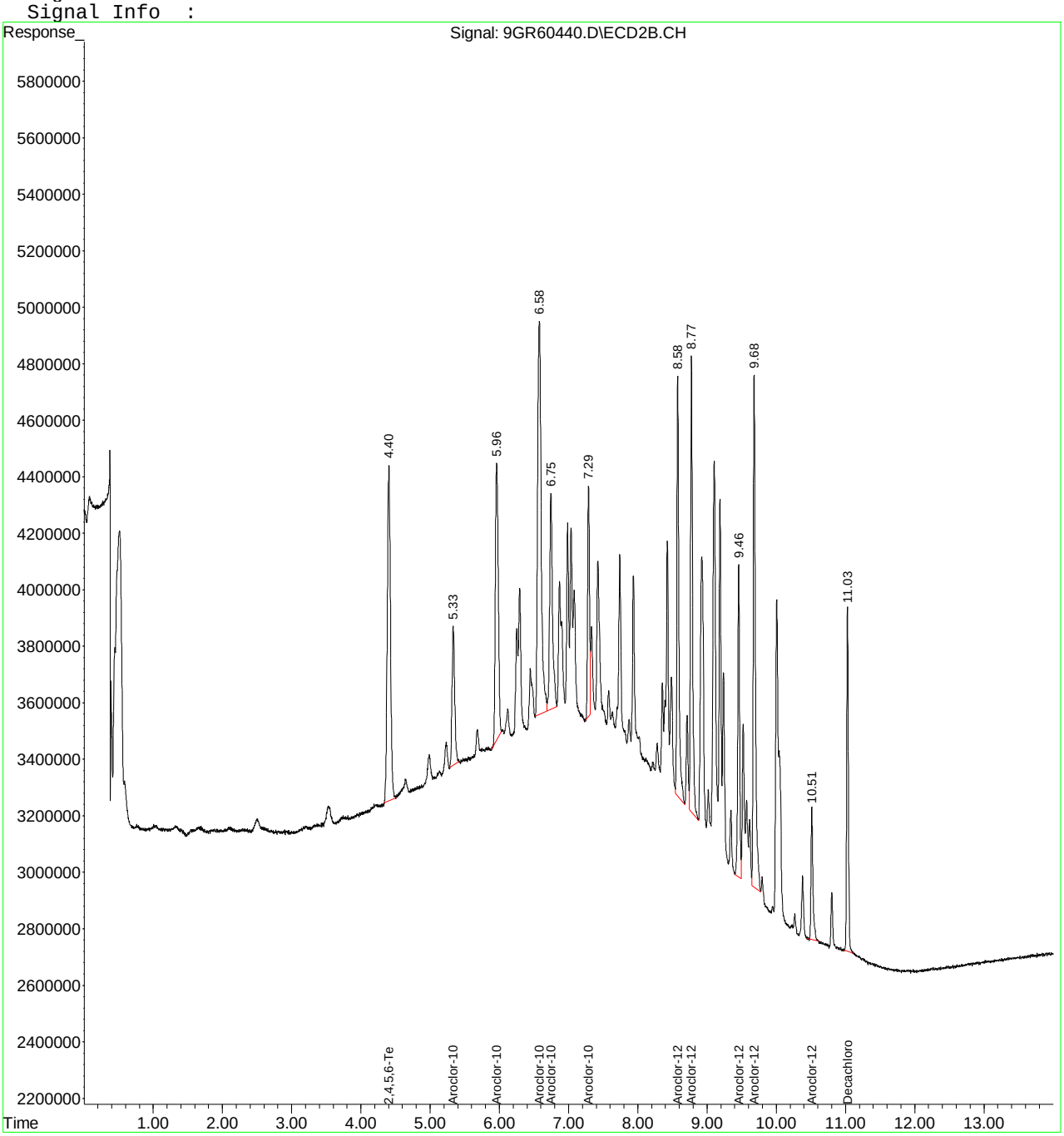
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60440.D Vial: 7
Acq On : 18 Feb 2011 18:51 Operator: ECL
Sample : WG357030-06 1660 ICAL 50 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60441.D Vial: 8
Acq On : 18 Feb 2011 19:09 Operator: ECL
Sample : WG357030-07 1660 ICAL 250 PPB Inst : HP9
Misc : 1,1 STD42874 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	0.000	0	N.D. UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	0.00%#
12) S Decachlorobiphenyl	0.000	0	N.D. UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	0.00%#
Target Compounds			
2) L1 Aroclor-1016-1	5.332	54658432	233.9681 UG/L
3) L1 Aroclor-1016-2	5.958	112567552	227.8430 UG/L
4) L1 Aroclor-1016-3	6.574	198562720	218.9197 UG/L
5) L1 Aroclor-1016-4	6.741	92883819	224.6866 UG/L
6) L1 Aroclor-1016-5	7.283	61357351	216.3606 UG/L
Sum Aroclor-1016-1		520.0E6	1121.7780 UG/L
Average Aroclor-1016-1			224.356 UG/L
7) L2 Aroclor-1260-1	8.569	116177194	219.9148 UG/L
8) L2 Aroclor-1260-2	8.766	132634374	223.8908 UG/L
9) L2 Aroclor-1260-3	9.449	89322906	241.3794 UG/L
10) L2 Aroclor-1260-4	9.672	186468624	249.6580 UG/L
11) L2 Aroclor-1260-5	10.504	49194224	284.5334 UG/L
Sum Aroclor-1260-1		573.8E6	1219.3765 UG/L
Average Aroclor-1260-1			243.875 UG/L

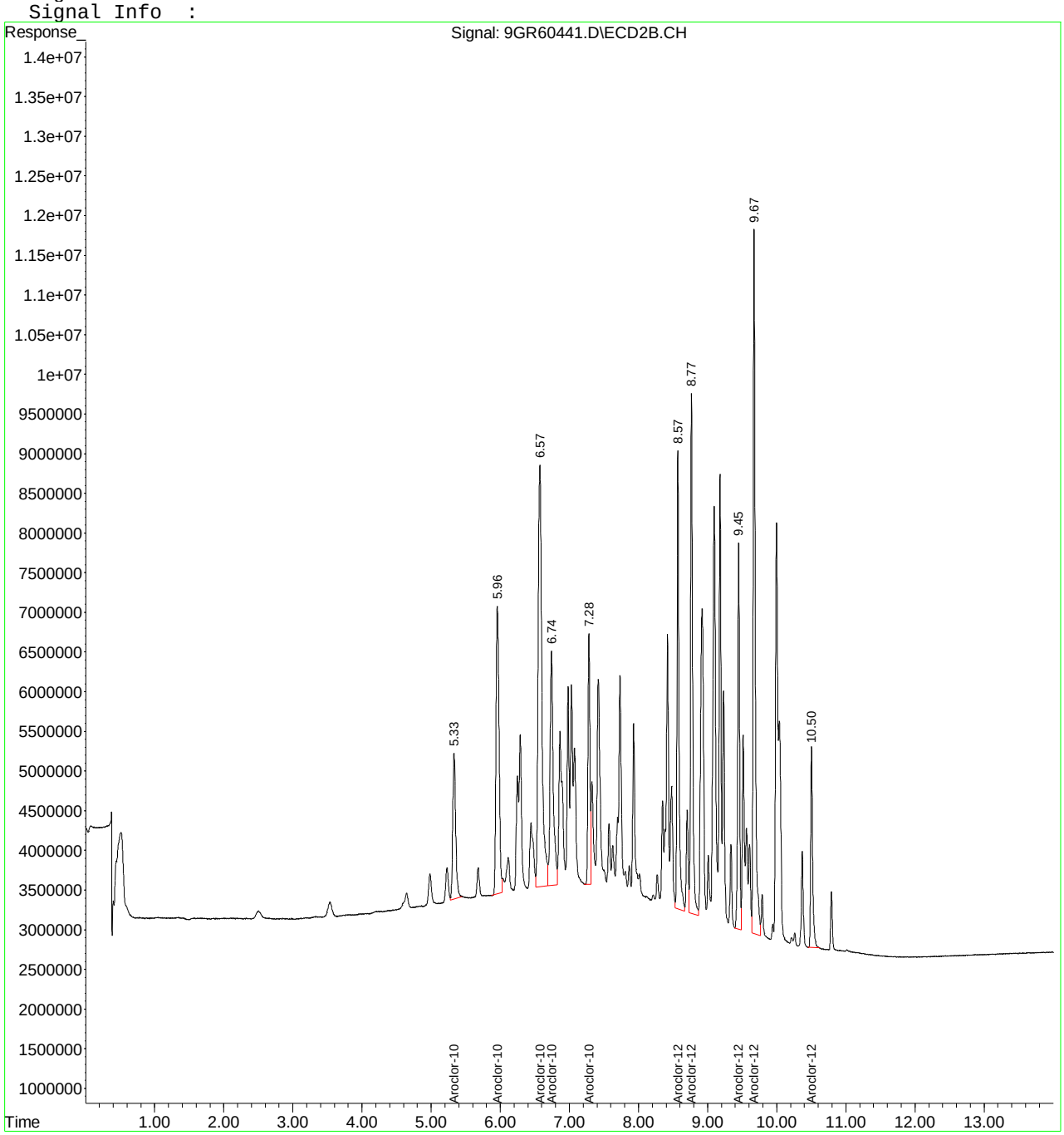
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60441.D 1660R.M Sat Feb 19 12:04:16 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\021811\9GR60441.D Vial: 8
Acq On : 18 Feb 2011 19:09 Operator: ECL
Sample : WG357030-07 1660 ICAL 250 PPB Inst : HP9
Misc : 1,1 STD42874 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 19 12:03 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60477.D Vial: 13
Acq On : 21 Feb 2011 17:28 Operator: ECL
Sample : WG357031-04 1660 CCV 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:29:10 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.408	176649811	12.9854 UG/L
Spiked Amount 20.000 Range 30 - 132		Recovery = 64.93%	
12) S Decachlorobiphenyl	11.020	92562992	13.5167 UG/L
Spiked Amount 20.000 Range 36 - 144		Recovery = 67.58%	
Target Compounds			
2) L1 Aroclor-1016-1	5.332	63962229	273.7935 UG/L
3) L1 Aroclor-1016-2	5.959	133777900	270.7740 UG/L
4) L1 Aroclor-1016-3	6.576	251242488	277.0002 UG/L
5) L1 Aroclor-1016-4	6.742	113126571	273.6540 UG/L
6) L1 Aroclor-1016-5	7.284	75017140	264.5282 UG/L
Sum Aroclor-1016-1		637.1E6	1359.7499 UG/L
Average Aroclor-1016-1			271.950 UG/L
7) L2 Aroclor-1260-1	8.570	143428742	271.5000 UG/L
8) L2 Aroclor-1260-2	8.767	163529726	276.0431 UG/L
9) L2 Aroclor-1260-3	9.450	103841955	280.6146 UG/L
10) L2 Aroclor-1260-4	9.672	213992495	286.5090 UG/L
11) L2 Aroclor-1260-5	10.504	50238800	290.5751 UG/L
Sum Aroclor-1260-1		675.0E6	1405.2418 UG/L
Average Aroclor-1260-1			281.048 UG/L

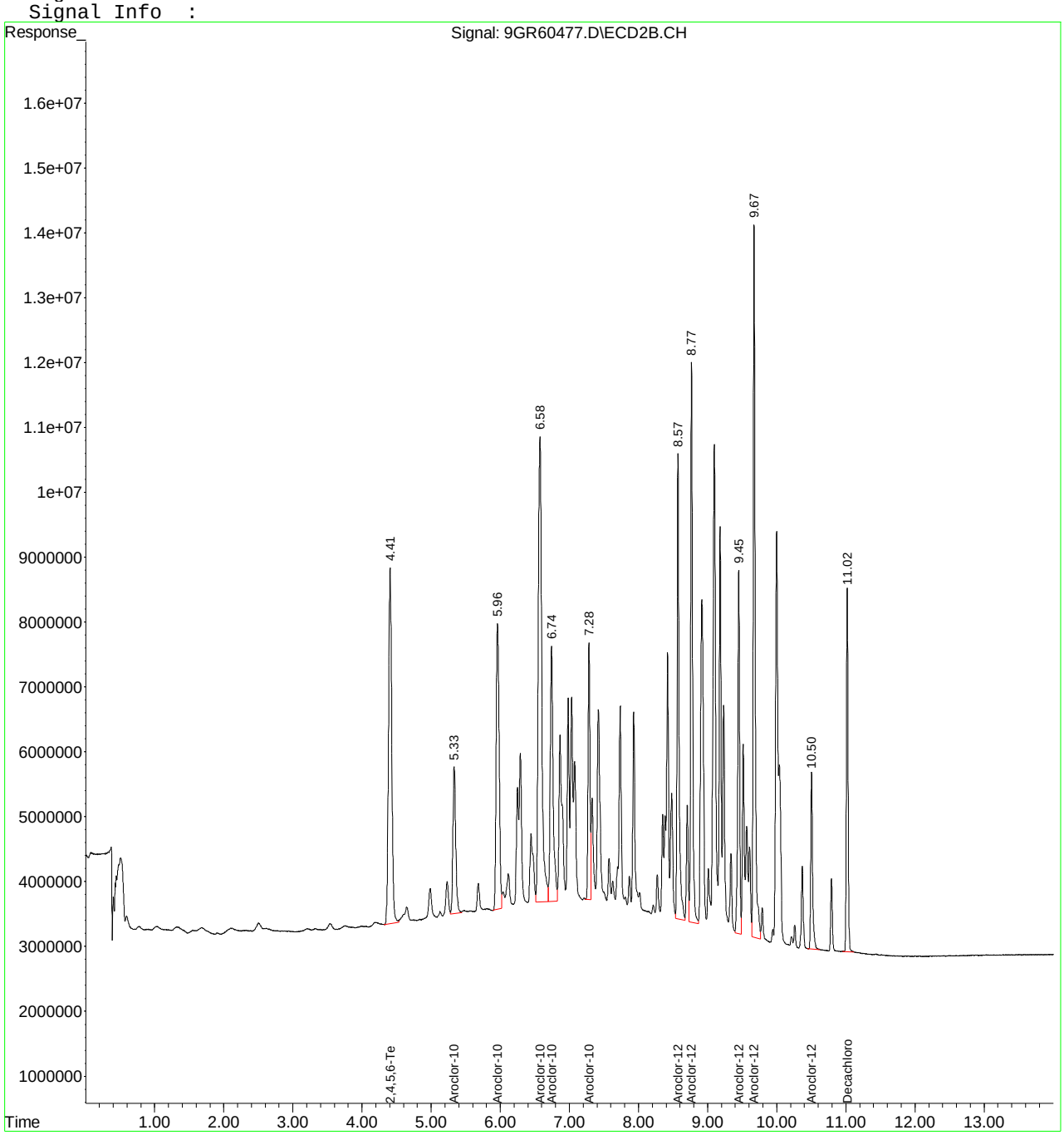
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60477.D Vial: 13
Acq On : 21 Feb 2011 17:28 Operator: ECL
Sample : WG357031-04 1660 CCV 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:29 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60487.D Vial: 23
Acq On : 21 Feb 2011 20:28 Operator: ECL
Sample : WG357031-05 1660 CCV 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:29:29 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.408	332781613	24.4625 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	122.31%
12) S Decachlorobiphenyl	11.022	164637515	24.0416 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	120.21%
Target Compounds			
2) L1 Aroclor-1016-1	5.334	115723013	495.3581 UG/L
3) L1 Aroclor-1016-2	5.959	240137908	486.0526 UG/L
4) L1 Aroclor-1016-3	6.576	465649026	513.3881 UG/L
5) L1 Aroclor-1016-4	6.743	207447184	501.8162 UG/L
6) L1 Aroclor-1016-5	7.285	139716718	492.6743 UG/L
Sum Aroclor-1016-1		1168.7E6	2489.2893 UG/L
Average Aroclor-1016-1			497.858 UG/L
7) L2 Aroclor-1260-1	8.572	264570526	500.8125 UG/L
8) L2 Aroclor-1260-2	8.768	298566864	503.9899 UG/L
9) L2 Aroclor-1260-3	9.452	191468363	517.4095 UG/L
10) L2 Aroclor-1260-4	9.673	387757710	519.1587 UG/L
11) L2 Aroclor-1260-5	10.506	91403944	528.6693 UG/L
Sum Aroclor-1260-1		1233.8E6	2570.0399 UG/L
Average Aroclor-1260-1			514.008 UG/L

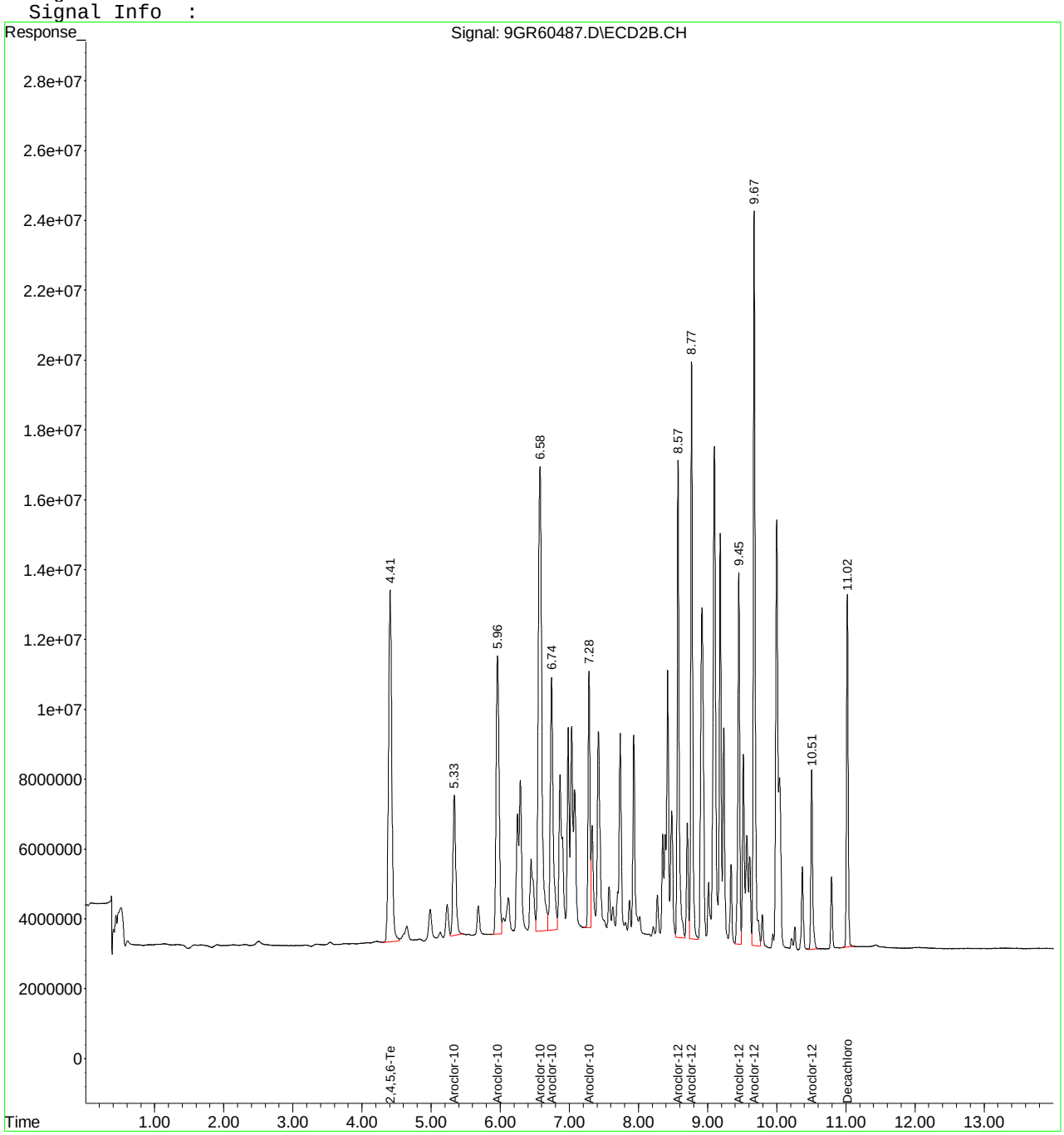
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60487.D 1660R.M Tue Feb 22 08:29:43 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60487.D Vial: 23
Acq On : 21 Feb 2011 20:28 Operator: ECL
Sample : WG357031-05 1660 CCV 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:29 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60498.D Vial: 34
Acq On : 21 Feb 2011 23:46 Operator: ECL
Sample : WG357031-06 1660 CCV 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:33:39 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.400	183432483	13.4840 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	67.42%
12) S Decachlorobiphenyl	11.022	97124310	14.1828 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	70.91%
Target Compounds			
2) L1 Aroclor-1016-1	5.327	65767103	281.5193 UG/L
3) L1 Aroclor-1016-2	5.955	132145827	267.4705 UG/L
4) L1 Aroclor-1016-3	6.572	265759243	293.0053 UG/L
5) L1 Aroclor-1016-4	6.740	117578194	284.4225 UG/L
6) L1 Aroclor-1016-5	7.282	79653710	280.8779 UG/L
Sum Aroclor-1016-1		660.9E6	1407.2956 UG/L
Average Aroclor-1016-1			281.459 UG/L
7) L2 Aroclor-1260-1	8.570	154358938	292.1901 UG/L
8) L2 Aroclor-1260-2	8.767	175126959	295.6196 UG/L
9) L2 Aroclor-1260-3	9.451	111999500	302.6589 UG/L
10) L2 Aroclor-1260-4	9.673	224957378	301.1895 UG/L
11) L2 Aroclor-1260-5	10.506	51224562	296.2766 UG/L
Sum Aroclor-1260-1		717.7E6	1487.9348 UG/L
Average Aroclor-1260-1			297.587 UG/L

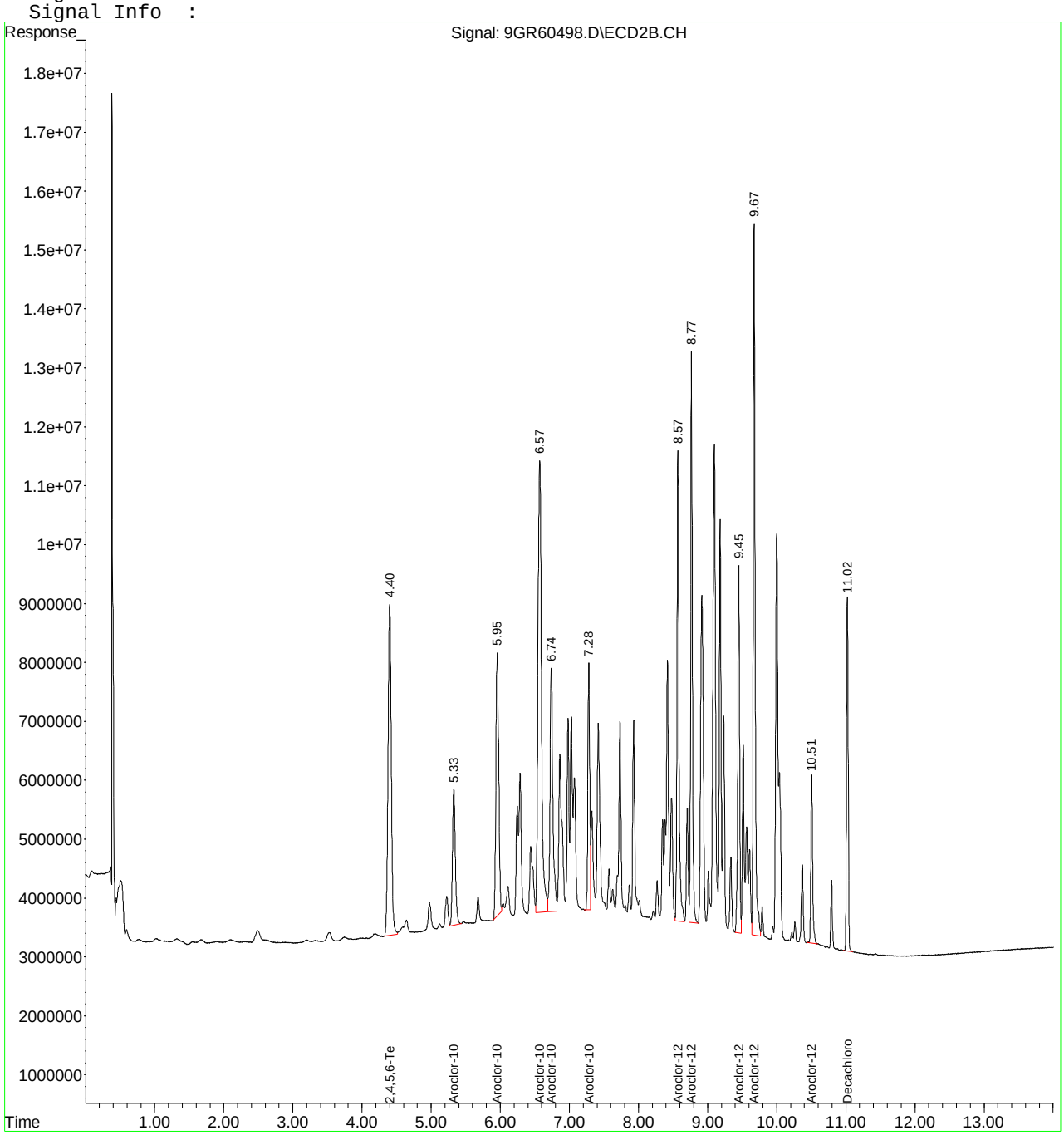
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60498.D 1660R.M Tue Feb 22 08:33:57 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60498.D Vial: 34
Acq On : 21 Feb 2011 23:46 Operator: ECL
Sample : WG357031-06 1660 CCV 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:33 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60506.D Vial: 39
Acq On : 22 Feb 2011 2:10 Operator: ECL
Sample : WG357031-07 1660 CCV 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:34:25 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.401	347669956	25.5569 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	127.78%
12) S Decachlorobiphenyl	11.020	163315584	23.8485 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	119.24%
Target Compounds			
2) L1 Aroclor-1016-1	5.328	123148569	527.1436 UG/L
3) L1 Aroclor-1016-2	5.955	252722212	511.5239 UG/L
4) L1 Aroclor-1016-3	6.572	498122484	549.1908 UG/L
5) L1 Aroclor-1016-4	6.739	215362734	520.9640 UG/L
6) L1 Aroclor-1016-5	7.282	151867565	535.5211 UG/L
Sum Aroclor-1016-1		1241.2E6	2644.3433 UG/L
Average Aroclor-1016-1			528.869 UG/L
7) L2 Aroclor-1260-1	8.569	267646636	506.6353 UG/L
8) L2 Aroclor-1260-2	8.765	315401590	532.4074 UG/L
9) L2 Aroclor-1260-3	9.449	198370077	536.0602 UG/L
10) L2 Aroclor-1260-4	9.670	410272525	549.3031 UG/L
11) L2 Aroclor-1260-5	10.503	91577352	529.6723 UG/L
Sum Aroclor-1260-1		1283.3E6	2654.0784 UG/L
Average Aroclor-1260-1			530.816 UG/L

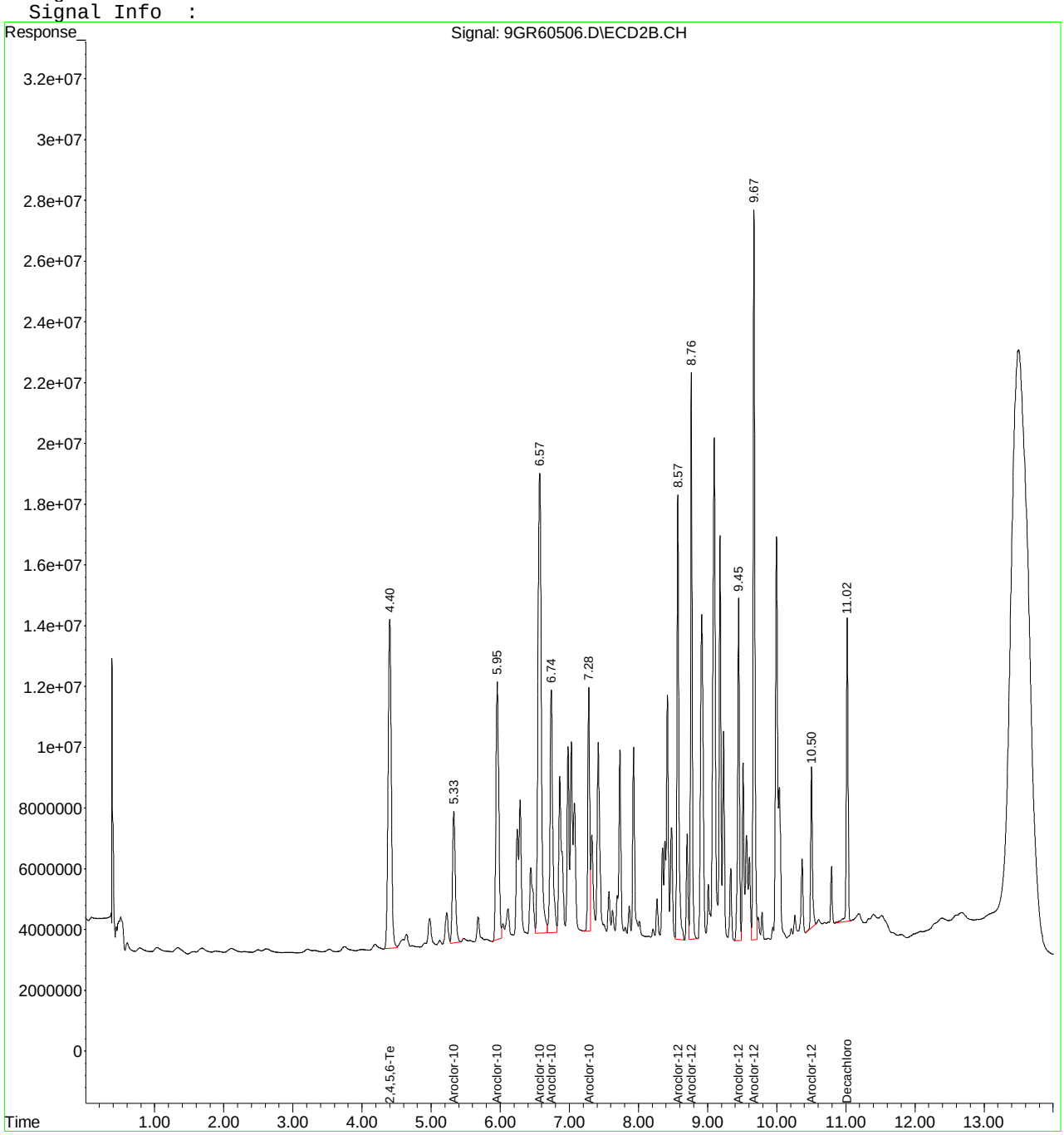
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60506.D 1660R.M Tue Feb 22 08:34:39 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60506.D Vial: 39
Acq On : 22 Feb 2011 2:10 Operator: ECL
Sample : WG357031-07 1660 CCV 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:34 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022211\9GR60508.D Vial: 2
Acq On : 22 Feb 2011 11:11 Operator: ECL
Sample : WG357211-01 1660 CCV 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 12:02:29 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.418	332302998	24.4273 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	122.14%
12) S Decachlorobiphenyl	11.025	173562012	25.3448 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	126.72%
Target Compounds			
2) L1 Aroclor-1016-1	5.343	115753164	495.4872 UG/L
3) L1 Aroclor-1016-2	5.970	244015958	493.9020 UG/L
4) L1 Aroclor-1016-3	6.586	482098590	531.5241 UG/L
5) L1 Aroclor-1016-4	6.752	214719303	519.4075 UG/L
6) L1 Aroclor-1016-5	7.294	147326125	519.5069 UG/L
Sum Aroclor-1016-1		1203.9E6	2559.8276 UG/L
Average Aroclor-1016-1			511.966 UG/L
7) L2 Aroclor-1260-1	8.579	284203584	537.9764 UG/L
8) L2 Aroclor-1260-2	8.775	324260777	547.3620 UG/L
9) L2 Aroclor-1260-3	9.457	207912008	561.8456 UG/L
10) L2 Aroclor-1260-4	9.679	410671841	549.8378 UG/L
11) L2 Aroclor-1260-5	10.509	97857908	565.9983 UG/L
Sum Aroclor-1260-1		1324.9E6	2763.0200 UG/L
Average Aroclor-1260-1			552.604 UG/L

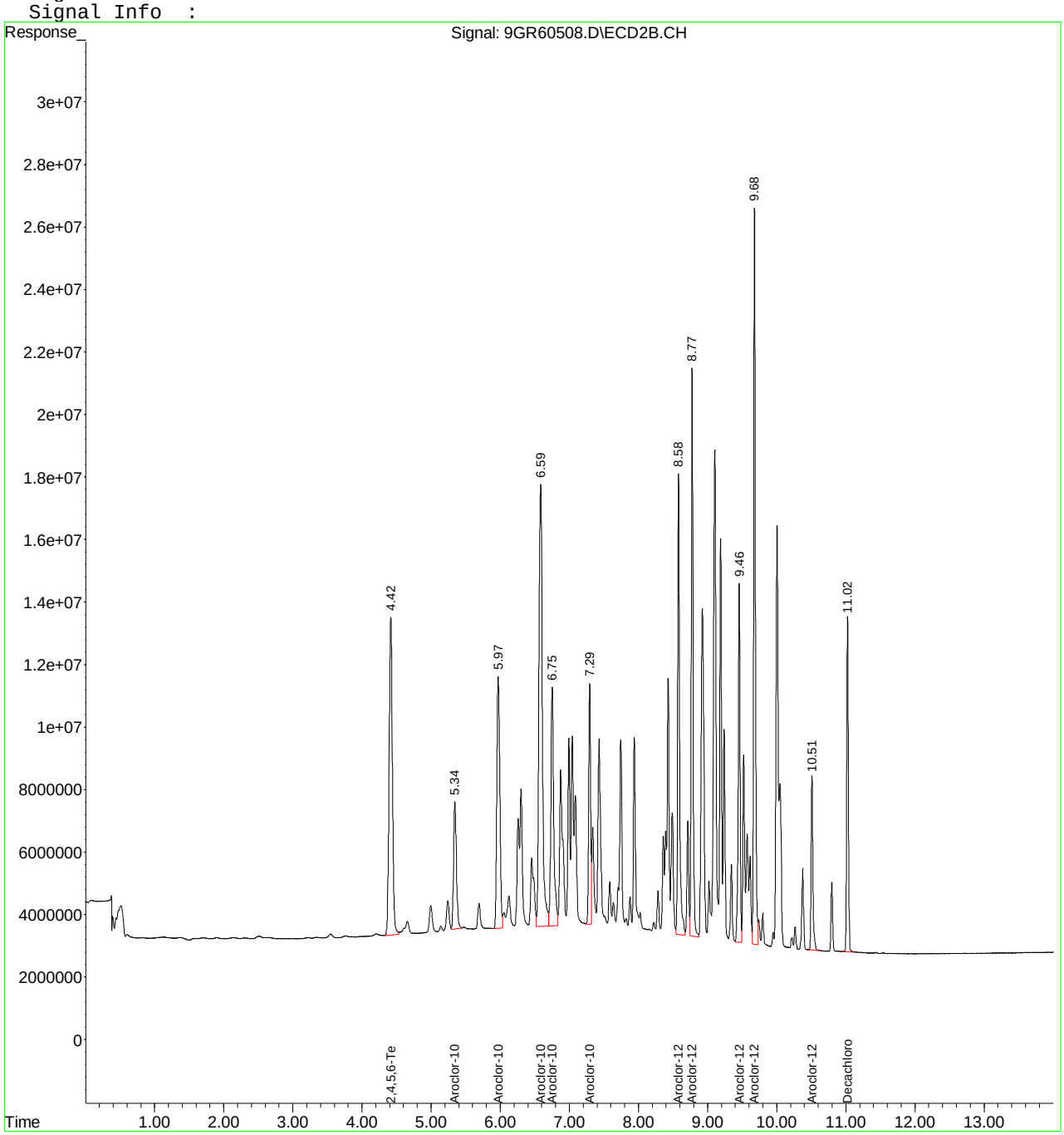
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022211\9GR60508.D Vial: 2
Acq On : 22 Feb 2011 11:11 Operator: ECL
Sample : WG357211-01 1660 CCV 500 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 12:02 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022211\9GR60520.D Vial: 13
Acq On : 22 Feb 2011 15:44 Operator: ECL
Sample : WG357211-02 1660 CCV 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 16:53:46 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.410	173277989	12.7375 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	63.69%
12) S Decachlorobiphenyl	11.030	83240691	12.1554 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	60.78%
Target Compounds			
2) L1 Aroclor-1016-1	5.338	64635050	276.6735 UG/L
3) L1 Aroclor-1016-2	5.967	134154362	271.5359 UG/L
4) L1 Aroclor-1016-3	6.583	266424058	293.7383 UG/L
5) L1 Aroclor-1016-4	6.751	115920908	280.4135 UG/L
6) L1 Aroclor-1016-5	7.294	78694235	277.4945 UG/L
Sum Aroclor-1016-1		659.8E6	1399.8558 UG/L
Average Aroclor-1016-1			279.971 UG/L
7) L2 Aroclor-1260-1	8.581	150927002	285.6937 UG/L
8) L2 Aroclor-1260-2	8.776	172124697	290.5517 UG/L
9) L2 Aroclor-1260-3	9.460	106565113	287.9734 UG/L
10) L2 Aroclor-1260-4	9.681	211630780	283.3469 UG/L
11) L2 Aroclor-1260-5	10.514	48797517	282.2389 UG/L
Sum Aroclor-1260-1		690.0E6	1429.8046 UG/L
Average Aroclor-1260-1			285.961 UG/L

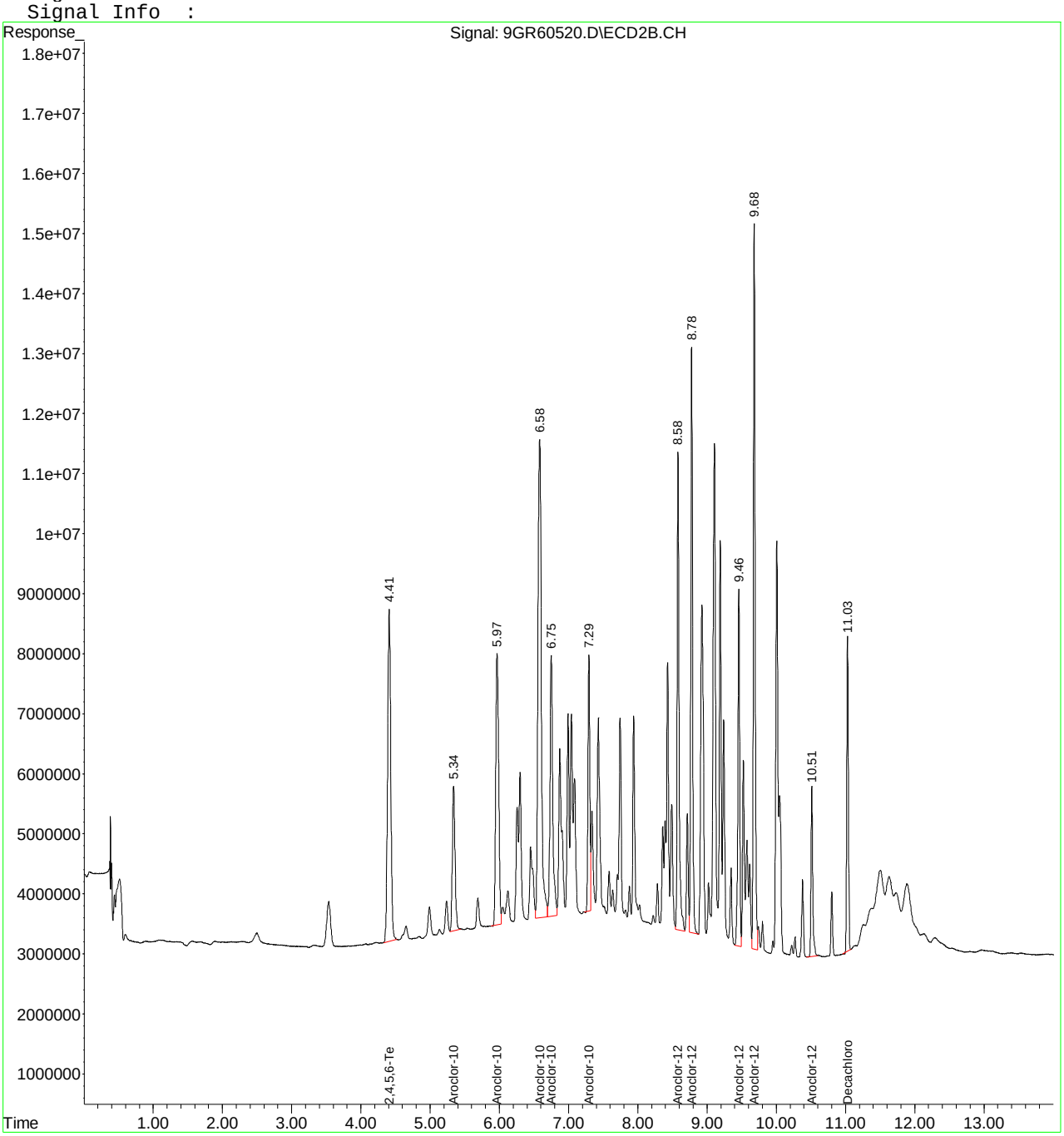
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022211\9GR60520.D Vial: 13
Acq On : 22 Feb 2011 15:44 Operator: ECL
Sample : WG357211-02 1660 CCV 250 PPB Inst : HP9
Misc : 1,1 STD43286 Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 16:53 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



RETENTION TIME WINDOWS

Lab Name: Microbac Laboratories

Instrument ID: HP-9 Rear Column
GC Column: RTx-CLP II

	STANDARD #1	STANDARD #2	STANDARD #3
Date Run	2/9/2009	2/12/2009	2/16/2009
File #	9GR50598	9GR50611	9GR50623

COMPOUND	STD #1 RT	STD #2 RT	STD #3 RT	RT WIN
AR 1016 #1	5.495	5.501	5.484	0.026
AR 1016 #2	6.116	6.121	6.106	0.023
AR 1016 #3	6.722	6.727	6.716	0.017
AR 1016 #4	6.890	6.894	6.883	0.017
AR 1016 #5	7.429	7.432	7.423	0.014
AR 1260 #1	8.713	8.716	8.709	0.011
AR 1260 #2	8.906	8.908	8.901	0.011
AR 1260 #3	9.594	9.597	9.590	0.011
AR 1260 #4	9.813	9.816	9.809	0.011
AR 1260 #5	10.649	10.652	10.646	0.009
2,4,5,6-Tetrachloro-m-xylene	4.579	4.587	4.567	0.030
Decachlorobiphenyl	11.175	11.179	11.172	0.011

2.1.3.5 Raw QC Data

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60486.D Vial: 22
Acq On : 21 Feb 2011 20:10 Operator: ECL
Sample : WG356908-01 BLANK Inst : HP9
Misc : 1,1 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:01 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.408	235180471	17.2879 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	86.44%
12) S Decachlorobiphenyl	11.020	115124504	16.8113 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	84.06%
Target Compounds			
2) L1 Aroclor-1016-1	5.309	5775010	24.7202 UG/L
3) L1 Aroclor-1016-2	0.000	0	N.D. UG/L
4) L1 Aroclor-1016-3	0.000	0	N.D. UG/L
5) L1 Aroclor-1016-4	0.000	0	N.D. UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D. UG/L
Sum Aroclor-1016-1		5775010	24.7202 UG/L
Average Aroclor-1016-1			24.720 UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D. UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D. UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D. UG/L
10) L2 Aroclor-1260-4	0.000	0	N.D. UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D. UG/L
Sum Aroclor-1260-1		0	N.D. UG/L
Average Aroclor-1260-1			0.000 UG/L

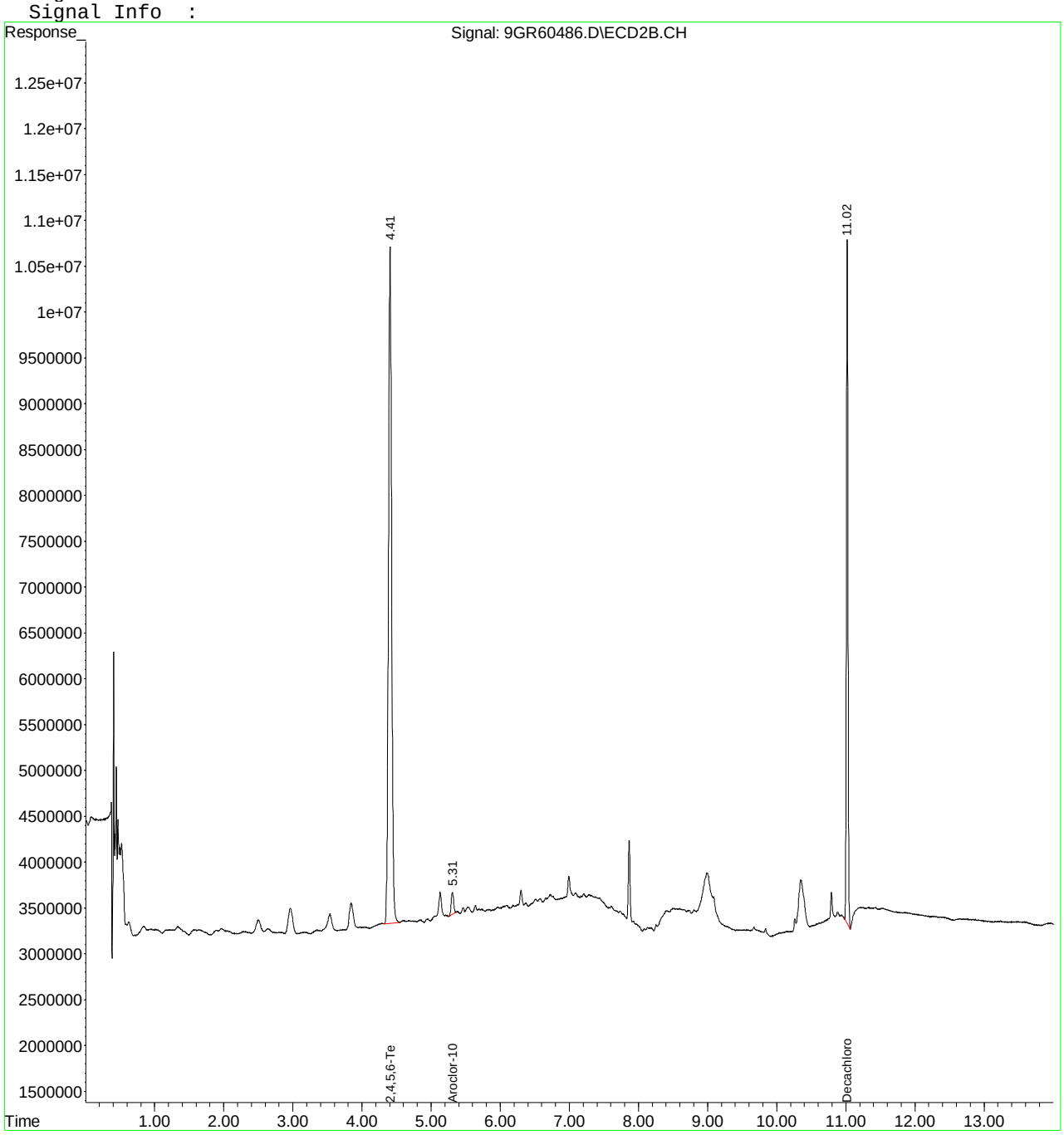
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60486.D 1660R.M Tue Feb 22 08:46:34 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60486.D Vial: 22
Acq On : 21 Feb 2011 20:10 Operator: ECL
Sample : WG356908-01 BLANK Inst : HP9
Misc : 1,1 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60493.D Vial: 29
Acq On : 21 Feb 2011 22:16 Operator: ECL
Sample : WG356901-02 BLANK Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:45 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.403	201439564	14.8077 UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery =	74.04%
12) S Decachlorobiphenyl	11.019	119997188	17.5229 UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery =	87.61%
Target Compounds			
2) L1 Aroclor-1016-1	0.000	0	N.D. UG/L
3) L1 Aroclor-1016-2	0.000	0	N.D. UG/L
4) L1 Aroclor-1016-3	0.000	0	N.D. UG/L
5) L1 Aroclor-1016-4	0.000	0	N.D. UG/L
6) L1 Aroclor-1016-5	0.000	0	N.D. UG/L
Sum Aroclor-1016-1		0	N.D. UG/L
Average Aroclor-1016-1			0.000 UG/L
7) L2 Aroclor-1260-1	0.000	0	N.D. UG/L
8) L2 Aroclor-1260-2	0.000	0	N.D. UG/L
9) L2 Aroclor-1260-3	0.000	0	N.D. UG/L
10) L2 Aroclor-1260-4	9.669	9852445	13.1912 UG/L
11) L2 Aroclor-1260-5	0.000	0	N.D. UG/L
Sum Aroclor-1260-1		9852445	13.1912 UG/L
Average Aroclor-1260-1			13.191 UG/L

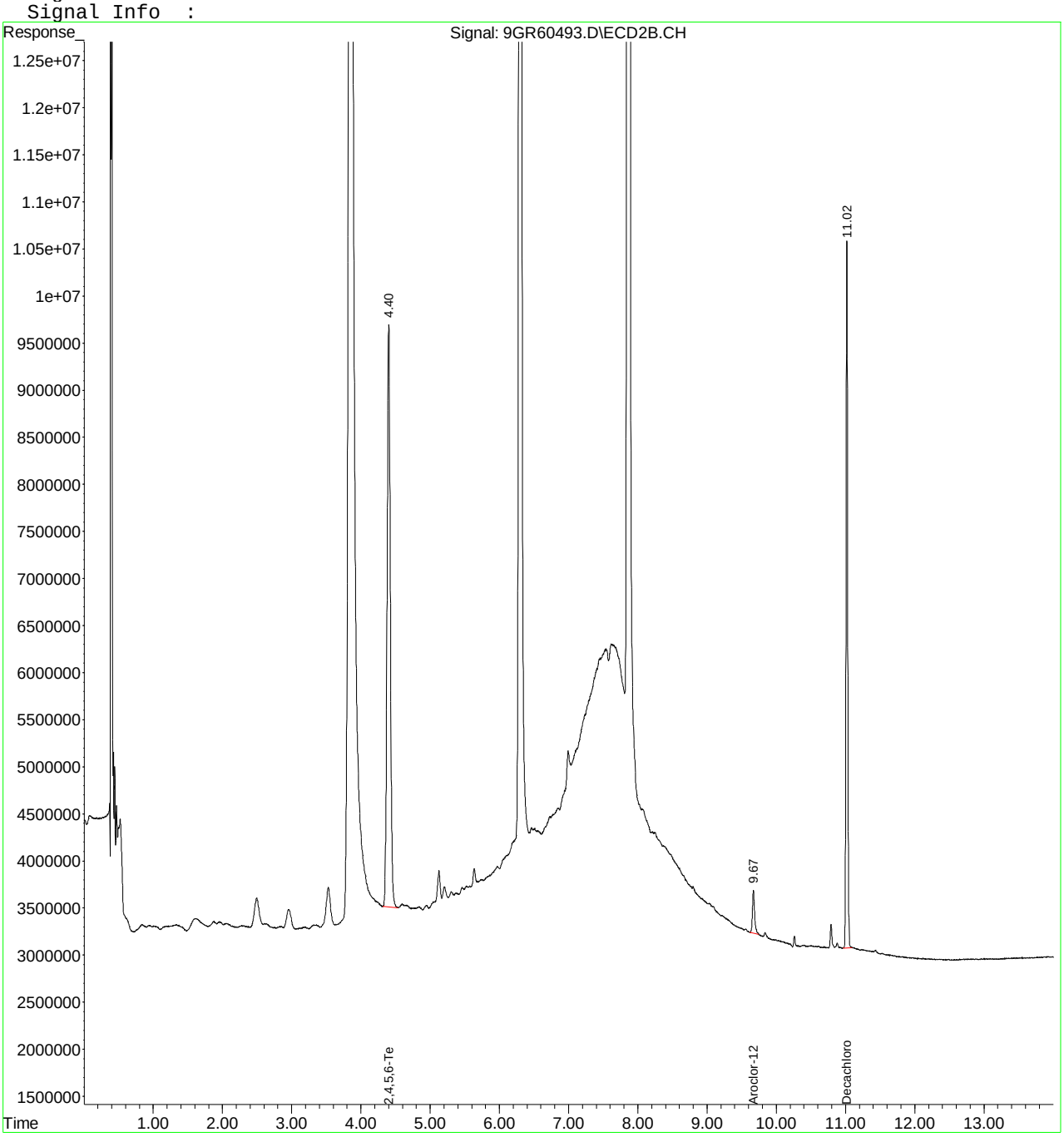
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60493.D 1660R.M Tue Feb 22 08:46:37 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60493.D Vial: 29
Acq On : 21 Feb 2011 22:16 Operator: ECL
Sample : WG356901-02 BLANK Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60488.D Vial: 24
Acq On : 21 Feb 2011 20:46 Operator: ECL
Sample : WG356908-02 LCS Inst : HP9
Misc : 1,1 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:15 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.403	219720331	16.1515 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	80.76%
12) S Decachlorobiphenyl	11.019	67486175	9.8548 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	49.27%
Target Compounds			
2) L1 Aroclor-1016-1	5.329	60379484	258.4574 UG/L
3) L1 Aroclor-1016-2	5.957	122749904	248.4527 UG/L
4) L1 Aroclor-1016-3	6.573	243849272	268.8491 UG/L
5) L1 Aroclor-1016-4	6.740	121370090	293.5951 UG/L
6) L1 Aroclor-1016-5	7.283	70523258	248.6817 UG/L
Sum Aroclor-1016-1		618.9E6	1318.0360 UG/L
Average Aroclor-1016-1			263.607 UG/L
7) L2 Aroclor-1260-1	8.569	146628310	277.5566 UG/L
8) L2 Aroclor-1260-2	8.765	163967313	276.7818 UG/L
9) L2 Aroclor-1260-3	9.449	104685438	282.8940 UG/L
10) L2 Aroclor-1260-4	9.670	204918343	274.3598 UG/L
11) L2 Aroclor-1260-5	10.502	51263832	296.5038 UG/L
Sum Aroclor-1260-1		671.5E6	1408.0959 UG/L
Average Aroclor-1260-1			281.619 UG/L

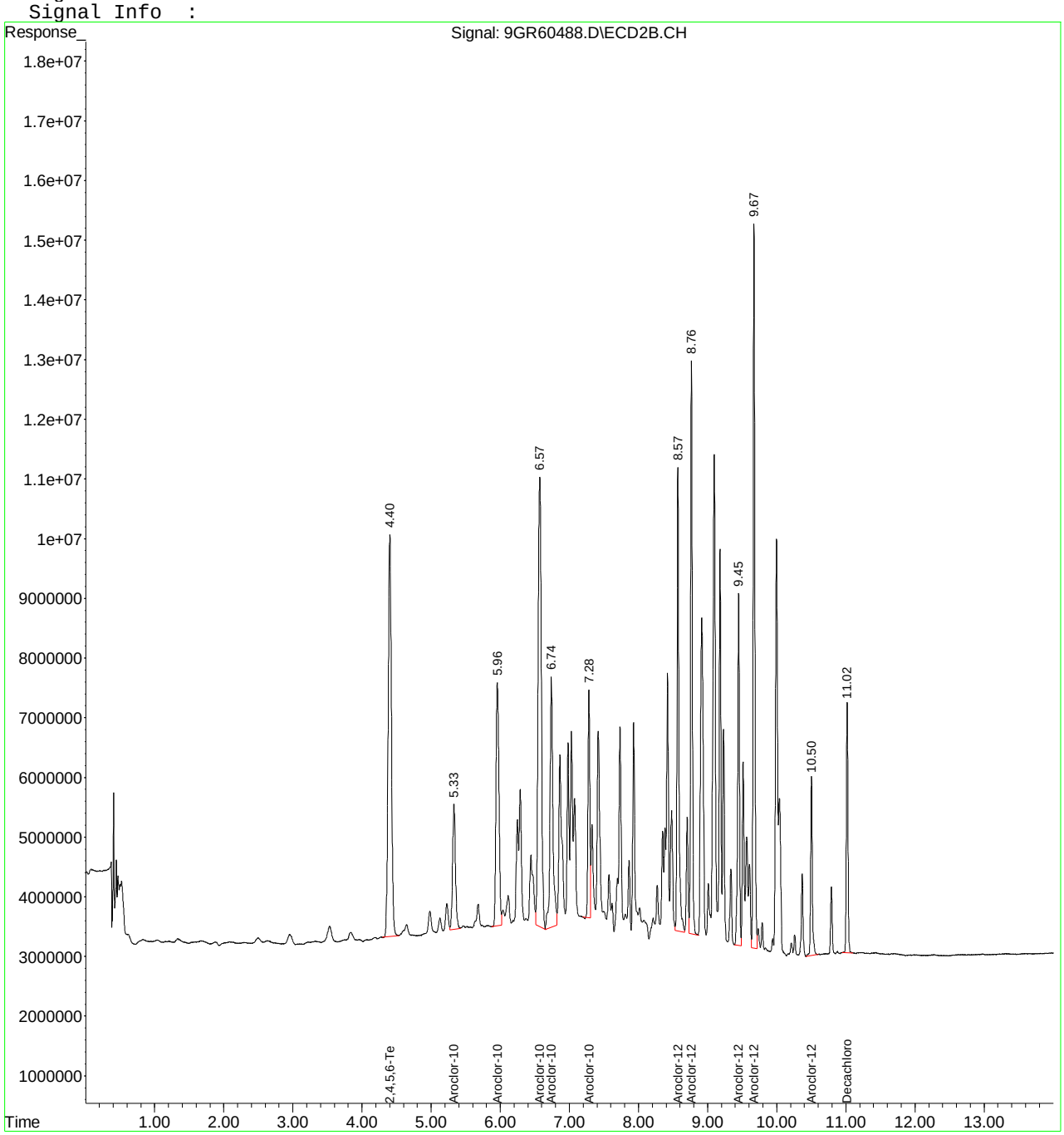
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60488.D 1660R.M Tue Feb 22 08:46:34 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60488.D Vial: 24
Acq On : 21 Feb 2011 20:46 Operator: ECL
Sample : WG356908-02 LCS Inst : HP9
Misc : 1,1 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60494.D Vial: 30
Acq On : 21 Feb 2011 22:34 Operator: ECL
Sample : WG356901-03 LCS Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:51 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.405	215370122	15.8317 UG/L
Spiked Amount 20.000	Range 29 - 133	Recovery = 79.16%	
12) S Decachlorobiphenyl	11.019	117885871	17.2146 UG/L
Spiked Amount 20.000	Range 30 - 173	Recovery = 86.07%	
Target Compounds			
2) L1 Aroclor-1016-1	5.331	55278519	236.6224 UG/L
3) L1 Aroclor-1016-2	5.958	111108897	224.8906 UG/L
4) L1 Aroclor-1016-3	6.573	208942379	230.3635 UG/L
5) L1 Aroclor-1016-4	6.741	87281024	211.1334 UG/L
6) L1 Aroclor-1016-5	7.283	68316489	240.9001 UG/L
Sum Aroclor-1016-1		530.9E6	1143.9101 UG/L
Average Aroclor-1016-1			228.782 UG/L
7) L2 Aroclor-1260-1	8.570	131840524	249.5644 UG/L
8) L2 Aroclor-1260-2	8.766	149015139	251.5421 UG/L
9) L2 Aroclor-1260-3	9.449	95930301	259.2347 UG/L
10) L2 Aroclor-1260-4	9.671	185072377	247.7886 UG/L
11) L2 Aroclor-1260-5	10.503	45007472	260.3178 UG/L
Sum Aroclor-1260-1		606.9E6	1268.4475 UG/L
Average Aroclor-1260-1			253.689 UG/L

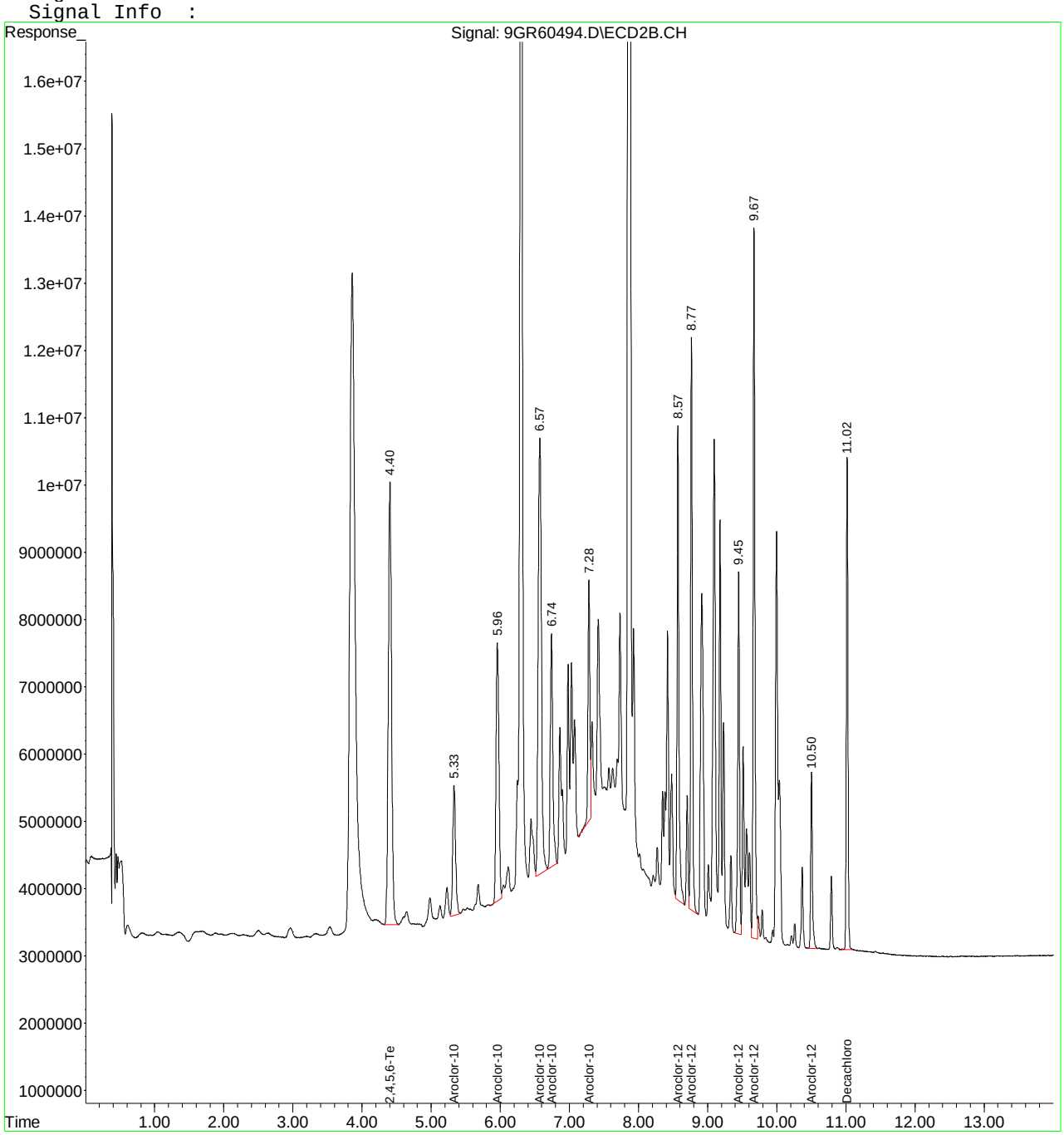
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60494.D 1660R.M Tue Feb 22 08:46:38 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60494.D Vial: 30
Acq On : 21 Feb 2011 22:34 Operator: ECL
Sample : WG356901-03 LCS Inst : HP9
Misc : 7,1 SOIL Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60489.D Vial: 25
Acq On : 21 Feb 2011 21:04 Operator: ECL
Sample : WG356908-02 LCS DUP Inst : HP9
Misc : 1,1 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 08:42:20 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Initial Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) S 2,4,5,6-Tetrachloro-M-Xyle	4.407	199716183	14.6810 UG/L
Spiked Amount 20.000	Range 30 - 132	Recovery =	73.41%
12) S Decachlorobiphenyl	11.021	117501838	17.1585 UG/L
Spiked Amount 20.000	Range 36 - 144	Recovery =	85.79%
Target Compounds			
2) L1 Aroclor-1016-1	5.333	53710034	229.9085 UG/L
3) L1 Aroclor-1016-2	5.958	104976434	212.4782 UG/L
4) L1 Aroclor-1016-3	6.574	216421701	238.6096 UG/L
5) L1 Aroclor-1016-4	6.742	96152244	232.5930 UG/L
6) L1 Aroclor-1016-5	7.284	68521264	241.6222 UG/L
Sum Aroclor-1016-1		539.8E6	1155.2114 UG/L
Average Aroclor-1016-1			231.042 UG/L
7) L2 Aroclor-1260-1	8.571	136955234	259.2461 UG/L
8) L2 Aroclor-1260-2	8.767	154611656	260.9892 UG/L
9) L2 Aroclor-1260-3	9.451	98696013	266.7086 UG/L
10) L2 Aroclor-1260-4	9.672	196328326	262.8589 UG/L
11) L2 Aroclor-1260-5	10.504	49243659	284.8193 UG/L
Sum Aroclor-1260-1		635.8E6	1334.6221 UG/L
Average Aroclor-1260-1			266.924 UG/L

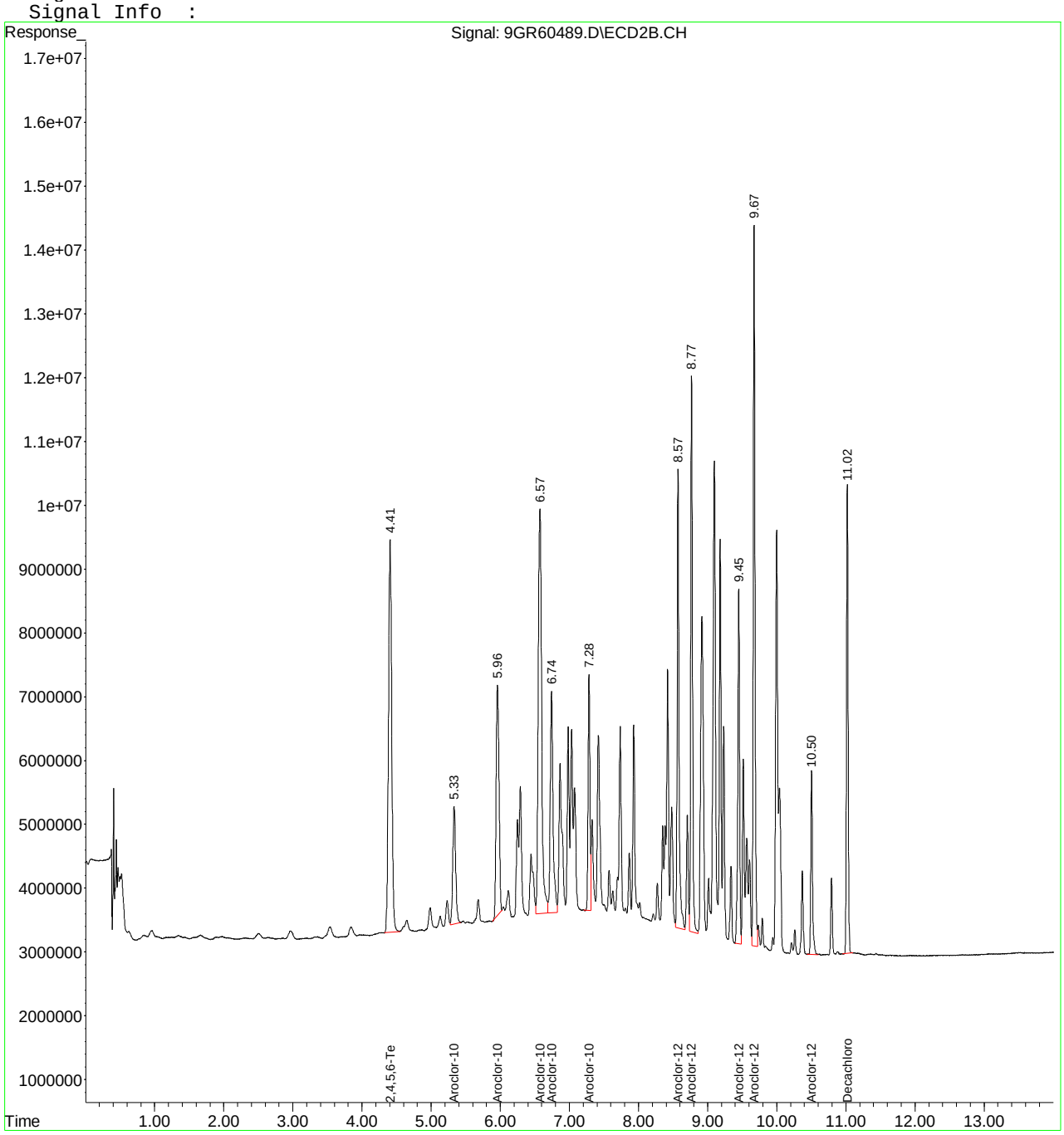
(f)=RT Delta > 1/2 Window (m)=manual int.
9GR60489.D 1660R.M Tue Feb 22 08:46:35 2011 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\022111\9GR60489.D Vial: 25
Acq On : 21 Feb 2011 21:04 Operator: ECL
Sample : WG356908-02 LCS DUP Inst : HP9
Misc : 1,1 WATER Multiplr: 1.00
IntFile : events.e
Quant Time: Feb 22 8:42 2011 Quant Results File: 1660R.RES

Quant Method : C:\MSDCHEM\1\METHODS\1660R.M (Chemstation Integrator)
Title : 8082 CALIBRATION February 18 2011
Last Update : Sat Feb 19 12:02:59 2011
Response via : Multiple Level Calibration
DataAcq Meth : 8082R.M

Volume Inj. :
Signal Phase :
Signal Info :



2.2 Metals Data

2.2.1 Metals I C P Data

2.2.1.1 Summary Data

Login Number: L11020447

Department: Metals

Analyst: Ji Hu
Analyst #2: Pierce Morris

METHOD

Preparation: SW-846 3051/3005

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: All acceptance criteria were met.

Continuing Calibration Blank: WG356823- Due to continuing calibration blank failure for calcium on 18-FEB-2011 at 15:39, client sample 05 and all QA/QC were reanalyzed on a later calibration which was compliant for calcium.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG356945 - Aluminum for client sample 06 was reported from the twenty fold dilution where the twenty fold post digestion spike met acceptance criteria.

WG356956 - All acceptance criteria were met.

Matrix Spikes: WG356945 - Sample 01 was chosen by the client for MS/MSD analysis. Samples 03(MS) and 04(MSD) yielded noncompliant recoveries for fourteen analytes and noncompliant RPDs for three analytes.

SAMPLES

Samples: WG356945 - Client samples 01, 02, 03(MS) and 04(MSD) required dilution analyses in order to obtain results for manganese within the calibration range. Client samples 03(MS) and 04(MSD) required dilution analyses in order to obtain results for calcium within the calibration range. Client samples 01, 02 were also reanalyzed at dilutions for calcium for consistency with samples 03(MS) and 04(MSD). Client samples 06 and 07 required dilution analyses in order to obtain results for iron within the linear range. Client sample 07 required a dilution analysis in order to obtain a result for manganese within the calibration range. A compliant linear range check sample was analyzed for aluminum and iron.

Narrative ID: 21736
Approved By: Sheri Pfalzgraf
Sheri L. Pfalzgraf

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	6010B	20	17-FEB-11
SITE #1-TPS-2-16-11-COMP	L11020447-01	6010B	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	6010B	20	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	6010B	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	6010B	20	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	6010B	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	6010B	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	6010B	20	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	6010B	1	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	6010B	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	6010B	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	6010B	20	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	6010B	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	6010B	20	17-FEB-11

Microbac Laboratories Inc.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	**L11020447-01**	PrePrep Method:	**NONE**	Instrument:	**ICP-THERMO2**
Client ID:	**SITE #1-TPS-2-16-11-COMP**	Prep Method:	**3051A**	Prep Date:	**02/17/2011 14:57**
Matrix:	**Soil**	Analytical Method:	**6010B**	Cal Date:	**02/18/2011 10:50**
Workgroup Number:	**WG356945**	Analyst:	**JYH**	Run Date:	**02/18/2011 12:17**
Collect Date:	**02/16/2011 11:20**	Dilution:	**20**	File ID:	**T2.021811.121711**
Sample Tag:	**DL01**	Units:	**mg/kg**	Percent Solid:	**84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	**7440-70-2**	**828**		**174**	**86.9**
Manganese, Total	**7439-96-5**	**670**		**8.69**	**4.34**

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-01**
Client ID: **SITE #1-TPS-2-16-11-COMP**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:23**
File ID: **T2.021811.112321**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	5150		17.4	8.69
Antimony, Total	7440-36-0		U	0.869	0.434
Barium, Total	7440-39-3	56.6		0.434	0.217
Beryllium, Total	7440-41-7	0.480		0.434	0.217
Cadmium, Total	7440-43-9		U	0.434	0.217
Chromium, Total	7440-47-3	9.93		0.869	0.434
Cobalt, Total	7440-48-4	9.21		0.869	0.434
Copper, Total	7440-50-8	10.6		0.869	0.434
Iron, Total	7439-89-6	16400		2.61	1.30
Magnesium, Total	7439-95-4	590		21.7	10.9
Nickel, Total	7440-02-0	6.28		1.74	0.869
Potassium, Total	7440-09-7	344		43.4	21.7
Silver, Total	7440-22-4		U	1.74	0.869
Sodium, Total	7440-23-5		U	21.7	10.9
Vanadium, Total	7440-62-2	23.7		0.434	0.217
Zinc, Total	7440-66-6	18.0		0.869	0.434

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-02	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-DUP	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 12:20
Collect Date:	02/16/2011 11:20	Dilution:	20	File ID:	T2.021811.122045
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	85.5

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	922		175	87.3
Manganese, Total	7439-96-5	614		8.73	4.37

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:26**
File ID: **T2.021811.112659**
Percent Solid: **85.5**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	4020		17.5	8.73
Antimony, Total	7440-36-0		U	0.873	0.437
Barium, Total	7440-39-3	48.2		0.437	0.218
Beryllium, Total	7440-41-7	0.398	J	0.437	0.218
Cadmium, Total	7440-43-9		U	0.437	0.218
Chromium, Total	7440-47-3	7.60		0.873	0.437
Cobalt, Total	7440-48-4	5.98		0.873	0.437
Copper, Total	7440-50-8	7.52		0.873	0.437
Iron, Total	7439-89-6	12100		2.62	1.31
Magnesium, Total	7439-95-4	481		21.8	10.9
Nickel, Total	7440-02-0	4.55		1.75	0.873
Potassium, Total	7440-09-7	233		43.7	21.8
Silver, Total	7440-22-4		U	1.75	0.873
Sodium, Total	7440-23-5		U	21.8	10.9
Vanadium, Total	7440-62-2	18.3		0.437	0.218
Zinc, Total	7440-66-6	12.6		0.873	0.437

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-03	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-MS	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 12:24
Collect Date:	02/16/2011 11:20	Dilution:	20	File ID:	T2.021811.122420
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	1030		174	86.9
Manganese, Total	7439-96-5	713		8.69	4.34

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356945**
Collect Date: **02/16/2011 11:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3051A**
Analytical Method: **6010B**
Analyst: **JYH**
Dilution: **1**
Units: **mg/kg**

Instrument: **ICP-THERMO2**
Prep Date: **02/17/2011 14:57**
Cal Date: **02/18/2011 10:50**
Run Date: **02/18/2011 11:30**
File ID: **T2.021811.113036**
Percent Solid: **84.0**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	5250		17.4	8.69
Antimony, Total	7440-36-0	21.4		0.869	0.434
Barium, Total	7440-39-3	70.5		0.434	0.217
Beryllium, Total	7440-41-7	1.33		0.434	0.217
Cadmium, Total	7440-43-9	0.984		0.434	0.217
Chromium, Total	7440-47-3	18.3		0.869	0.434
Cobalt, Total	7440-48-4	11.8		0.869	0.434
Copper, Total	7440-50-8	19.3		0.869	0.434
Iron, Total	7439-89-6	15100		2.61	1.30
Magnesium, Total	7439-95-4	738		21.7	10.9
Nickel, Total	7440-02-0	15.5		1.74	0.869
Potassium, Total	7440-09-7	1230		43.4	21.7
Silver, Total	7440-22-4	7.19		1.74	0.869
Sodium, Total	7440-23-5	969		21.7	10.9
Vanadium, Total	7440-62-2	41.3		0.434	0.217
Zinc, Total	7440-66-6	35.0		0.869	0.434

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 11:34
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	T2.021811.113409
Sample Tag:	01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	5170		17.4	8.69
Antimony, Total	7440-36-0	21.2		0.869	0.434
Barium, Total	7440-39-3	63.7		0.434	0.217
Beryllium, Total	7440-41-7	1.26		0.434	0.217
Cadmium, Total	7440-43-9	0.969		0.434	0.217
Chromium, Total	7440-47-3	16.9		0.869	0.434
Cobalt, Total	7440-48-4	9.61		0.869	0.434
Copper, Total	7440-50-8	16.8		0.869	0.434
Iron, Total	7439-89-6	12200		2.61	1.30
Magnesium, Total	7439-95-4	682		21.7	10.9
Nickel, Total	7440-02-0	13.9		1.74	0.869
Potassium, Total	7440-09-7	1180		43.4	21.7
Silver, Total	7440-22-4	7.22		1.74	0.869
Sodium, Total	7440-23-5	957		21.7	10.9
Vanadium, Total	7440-62-2	38.1		0.434	0.217
Zinc, Total	7440-66-6	32.4		0.869	0.434

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 12:27
Collect Date:	02/16/2011 11:20	Dilution:	20	File ID:	T2.021811.122753
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2	1160		174	86.9
Manganese, Total	7439-96-5	567		8.69	4.34

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356956**
Collect Date: **02/16/2011 12:20**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3005A**
Analytical Method: **6010B**
Analyst: **PDM**
Dilution: **1**
Units: **mg/L**

Instrument: **PE-ICP2**
Prep Date: **02/18/2011 06:36**
Cal Date: **02/18/2011 14:54**
Run Date: **02/18/2011 16:44**
File ID: **P2.021811.164428**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5		U	0.100	0.0500
Arsenic, Total	7440-38-2		U	0.0100	0.00500
Barium, Total	7440-39-3		U	0.0100	0.00500
Beryllium, Total	7440-41-7		U	0.0100	0.00500
Cadmium, Total	7440-43-9		U	0.0100	0.00500
Chromium, Total	7440-47-3		U	0.0200	0.0100
Cobalt, Total	7440-48-4		U	0.0200	0.0100
Copper, Total	7440-50-8		U	0.0200	0.0100
Iron, Total	7439-89-6		U	0.100	0.0500
Lead, Total	7439-92-1		U	0.00500	0.00250
Magnesium, Total	7439-95-4		U	0.500	0.250
Manganese, Total	7439-96-5		U	0.0100	0.00500
Nickel, Total	7440-02-0		U	0.0400	0.0200
Potassium, Total	7440-09-7		U	1.00	0.500
Silver, Total	7440-22-4		U	0.0100	0.00500
Sodium, Total	7440-23-5		U	0.500	0.250
Vanadium, Total	7440-62-2		U	0.0100	0.00500
Zinc, Total	7440-66-6		U	0.0200	0.0100

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-05	PrePrep Method:	NONE	Instrument:	PE-ICP2
Client ID:	SITE #1-2-16-11-FB	Prep Method:	3005A	Prep Date:	02/18/2011 06:36
Matrix:	Water	Analytical Method:	6010B	Cal Date:	02/21/2011 12:22
Workgroup Number:	WG356956	Analyst:	PDM	Run Date:	02/21/2011 18:56
Collect Date:	02/16/2011 12:20	Dilution:	1	File ID:	P2.022111.185639
Sample Tag:	02	Units:	mg/L		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Calcium, Total	7440-70-2		U	0.200	0.100

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-06	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-CLAY-C	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 11:37
Collect Date:	02/16/2011 12:40	Dilution:	1	File ID:	T2.021811.113741
Sample Tag:	01	Units:	mg/kg	Percent Solid:	81.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0	0.960		0.869	0.435
Barium, Total	7440-39-3	15.6		0.435	0.217
Beryllium, Total	7440-41-7	0.550		0.435	0.217
Cadmium, Total	7440-43-9		U	0.435	0.217
Calcium, Total	7440-70-2	252		8.69	4.35
Chromium, Total	7440-47-3	32.2		0.869	0.435
Cobalt, Total	7440-48-4	3.43		0.869	0.435
Copper, Total	7440-50-8	26.3		0.869	0.435
Magnesium, Total	7439-95-4	640		21.7	10.9
Manganese, Total	7439-96-5	43.4		0.435	0.217
Nickel, Total	7440-02-0	13.5		1.74	0.869
Potassium, Total	7440-09-7	375		43.5	21.7
Silver, Total	7440-22-4		U	1.74	0.869
Sodium, Total	7440-23-5		U	21.7	10.9
Vanadium, Total	7440-62-2	79.2		0.435	0.217
Zinc, Total	7440-66-6	12.8		0.869	0.435

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-06	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-CLAY-C	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 12:38
Collect Date:	02/16/2011 12:40	Dilution:	20	File ID:	T2.021811.123844
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	81.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	17400		348	174
Iron, Total	7439-89-6	52900		52.2	26.1

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-07	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-CLAY-C-2	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 11:59
Collect Date:	02/16/2011 12:45	Dilution:	1	File ID:	T2.021811.115930
Sample Tag:	01	Units:	mg/kg	Percent Solid:	78.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Aluminum, Total	7429-90-5	10600		17.3	8.64
Antimony, Total	7440-36-0	0.679	J	0.864	0.432
Barium, Total	7440-39-3	15.3		0.432	0.216
Beryllium, Total	7440-41-7	0.580		0.432	0.216
Cadmium, Total	7440-43-9		U	0.432	0.216
Calcium, Total	7440-70-2	250		8.64	4.32
Chromium, Total	7440-47-3	26.9		0.864	0.432
Cobalt, Total	7440-48-4	4.59		0.864	0.432
Copper, Total	7440-50-8	22.9		0.864	0.432
Magnesium, Total	7439-95-4	663		21.6	10.8
Nickel, Total	7440-02-0	12.8		1.73	0.864
Potassium, Total	7440-09-7	349		43.2	21.6
Silver, Total	7440-22-4		U	1.73	0.864
Sodium, Total	7440-23-5		U	21.6	10.8
Vanadium, Total	7440-62-2	69.2		0.432	0.216
Zinc, Total	7440-66-6	12.1		0.864	0.432

J Estimated value ; the analyte concentration was less than the low standard (LOQ)
U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-07	PrePrep Method:	NONE	Instrument:	ICP-THERMO2
Client ID:	SITE #1-2-16-11-CLAY-C-2	Prep Method:	3051A	Prep Date:	02/17/2011 14:57
Matrix:	Soil	Analytical Method:	6010B	Cal Date:	02/18/2011 10:50
Workgroup Number:	WG356945	Analyst:	JYH	Run Date:	02/18/2011 12:53
Collect Date:	02/16/2011 12:45	Dilution:	20	File ID:	T2.021811.125312
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	78.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Iron, Total	7439-89-6	49900		51.8	25.9
Manganese, Total	7439-96-5	81.2		8.64	4.32

2.2.1.2 QC Summary Data

Example 6010 Calculations
Thermo Scientific iCAP 6500

1.0 Initial Calibration (ICAL) Parameters
For a multi-point calibration, the system performs linear regression from data consisting of a blank and four standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Example 6010 Calculations
Perkin Elmer Optima 4300 DV

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system in ug/mL (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial volume (mL)	50
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/mL (mg/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (mg/L) (ppm)	0.1
Vf = Final volume (mL)	50
Vi = Initial weight (g)	1
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in ug/g (mg/kg)	5

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	5
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (mg/kg)	6.25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG356852
Analyst: ERP
Spike Analyst: ERP
Run Date: 02/17/2011 14:50
Method: 3051A

SOP: ME406 Revison 12
Spike Solution: STD43761
Spike Witness: BRG
HNO3 Lot #: COA15168
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15251
ICP;WG353481 Filter Lot COA15138

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG356852-02	BLANK	7	1 g	50 mL	177.204 g	177.191 g		
2	WG356852-03	LCS	7	1 g	50 mL	181.778 g	181.769 g	5 mL	
3	L11020365-10	SAMP	7	1.016 g	50 mL	179.321 g	179.163 g		02/25/11
4	L11020365-11	SAMP	7	1.038 g	50 mL	176.647 g	176.482 g		02/25/11
5	L11020365-12	SAMP	7	1.026 g	50 mL	176.762 g	176.651 g		02/25/11
6	L11020365-13	SAMP	7	1.022 g	50 mL	177.653 g	177.588 g		02/25/11
7	L11020365-14	SAMP	7	1.005 g	50 mL	179.289 g	179.204 g		02/25/11
8	L11020365-15	SAMP	7	1.029 g	50 mL	178.239 g	178.168 g		02/25/11
9	L11020365-16	SAMP	7	1.038 g	50 mL	178.597 g	178.546 g		02/25/11
10	L11020365-17	SAMP	7	1.014 g	50 mL	178.539 g	178.444 g		02/25/11
11	L11020365-18	SAMP	7	1.03 g	50 mL	179.397 g	179.357 g		02/25/11
12	L11020365-19	SAMP	7	1.023 g	50 mL	176.628 g	176.595 g		02/25/11
13	L11020365-20	SAMP	7	1.02 g	50 mL	179.552 g	179.204 g		02/25/11
14	L11020365-21	SAMP	7	1.045 g	50 mL	177.914 g	177.868 g		02/25/11
15	L11020432-01	SAMP	7	1.416 g	50 mL	176.979 g	176.919 g		02/25/11
16	L11020432-02	SAMP	7	1.32 g	50 mL	176.513 g	176.481 g		02/25/11
17	L11020432-03	SAMP	7	1.492 g	50 mL	177.749 g	177.633 g		02/25/11
18	L11020432-04	SAMP	7	1.312 g	50 mL	176.683 g	176.579 g		02/25/11
19	WG356852-01	REF	7	1.37 g	50 mL	176.537 g	176.436 g		
20	L11020447-01	RS01	7	1.37 g	50 mL	176.537 g	176.436 g		02/24/11
21	L11020447-02	SAMP	7	1.339 g	50 mL	180.011 g	179.844 g		02/24/11
22	WG356852-04	MS	7	1.37 g	50 mL	181.967 g	181.964 g	5 mL	
23	L11020447-03	MS01	7	1.37 g	50 mL	181.967 g	181.964 g	5 mL	02/24/11
24	WG356852-05	MSD	7	1.37 g	50 mL	181.691 g	181.65 g	5 mL	
25	L11020447-04	SD01	7	1.37 g	50 mL	181.691 g	181.65 g	5 mL	02/24/11
26	L11020447-06	SAMP	7	1.409 g	50 mL	175.606 g	175.549 g		02/24/11
27	L11020447-07	SAMP	7	1.468 g	50 mL	176.838 g	176.75 g		02/24/11

L11020365-11	FILTERED DIGESTATE
L11020365-17	FILTERED DIGESTATE

Analyst: Erin Potter

Reviewer: Vicki Collins

MW_DIG - Modified 09/30/2009
PDF ID: 1922549
Report generated: 02/18/2011 16:12

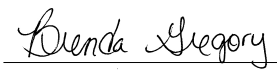
Microbac Laboratories Inc.
Metals Digest Log

Workgroup: WG356895
Analyst: REK
Spike Analyst: REK
Method: 3005A
Run Date: 02/18/2011 06:36
Hotblock Start Temp: 94.8 @ 05:25
Hotblock End Temp: 95 @ 09:25

SOP: ME401 Revison 13
Spike Solution: STD39933
Spike Witness: VC
HNO3 Lot #: COA15168
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15251

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Spike Amount	Due Date
1	WG356895-02	BLANK	1	50 mL	50 mL		
2	WG356895-03	LCS	1	50 mL	50 mL	5 mL	
3	WG356895-01	REF	1	50 mL	50 mL		
4	L11020447-05	SAMP	1	50 mL	50 mL		02/24/11
5	L11020453-01	SAMP	1	50 mL	50 mL		02/22/11
6	L11020453-02	SAMP	1	50 mL	50 mL		02/22/11
7	L11020453-03	SAMP	1	50 mL	50 mL		02/22/11
8	WG356895-04	MS	1	50 mL	50 mL	5 mL	
9	WG356895-05	MSD	1	50 mL	50 mL	5 mL	

Analyst:

Reviewer: 

HB_DIG - Modified 09/30/2009
PDF ID: 1922776
Report generated: 02/18/2011 09:41

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	T2.021811.103610	WG357012-01	Calibration Point		1		02/18/11 10:36
2	T2.021811.103951	WG357012-02	Calibration Point		1		02/18/11 10:39
3	T2.021811.104333	WG357012-03	Calibration Point		1		02/18/11 10:43
4	T2.021811.104718	WG357012-04	Calibration Point		1		02/18/11 10:47
5	T2.021811.105049	WG357012-05	Calibration Point		1		02/18/11 10:50
6	T2.021811.105422	WG357012-06	Initial Calibration Verification		1		02/18/11 10:54
7	T2.021811.105753	WG357012-07	Initial Calib Blank		1		02/18/11 10:57
8	T2.021811.110135	WG357012-08	Interference Check		1		02/18/11 11:01
9	T2.021811.110519	WG357012-09	Interference Check		1		02/18/11 11:05
10	T2.021811.110857	WG357012-10	CCV		1		02/18/11 11:08
11	T2.021811.111229	WG357012-11	CCB		1		02/18/11 11:12
12	T2.021811.111609	WG356852-02	Method/Prep Blank	1/50	1		02/18/11 11:16
13	T2.021811.111951	WG356852-03	Laboratory Control S	1/50	1		02/18/11 11:19
14	T2.021811.112321	WG356852-01	Reference Sample		1	L11020447-01	02/18/11 11:23
15	T2.021811.112659	L11020447-02	SITE \#1-2-16-11-DUP	1.339/50	1		02/18/11 11:26
16	T2.021811.113036	WG356852-04	Matrix Spike	1.37/50	1	L11020447-01	02/18/11 11:30
17	T2.021811.113409	WG356852-05	Matrix Spike Duplica	1.37/50	1	L11020447-01	02/18/11 11:34
18	T2.021811.113741	L11020447-06	SITE \#1-2-16-11-CLAY-C	1.409/50	1		02/18/11 11:37
19	T2.021811.114121	WG356945-01	Post Digestion Spike		1	L11020447-06	02/18/11 11:41
20	T2.021811.114504	WG356945-02	Serial Dilution		5	L11020447-06	02/18/11 11:45
21	T2.021811.114838	WG356945-02	Serial Dilution		25	L11020447-06	02/18/11 11:48
22	T2.021811.115217	WG357012-12	CCV		1		02/18/11 11:52
23	T2.021811.115549	WG357012-13	CCB		1		02/18/11 11:55
24	T2.021811.115930	L11020447-07	SITE \#1-2-16-11-CLAY-C-2	1.468/50	1		02/18/11 11:59
25	T2.021811.120312	L11020432-01	SW-SITE 9-5-021111 USCG	1.416/50	1		02/18/11 12:03
26	T2.021811.121201	WG357012-14	Linear Range Check		1		02/18/11 12:12
27	T2.021811.121711	WG356852-01	Reference Sample		20	L11020447-01	02/18/11 12:17
28	T2.021811.122045	L11020447-02	SITE \#1-2-16-11-DUP	1.339/50	20		02/18/11 12:20
29	T2.021811.122420	WG356852-04	Matrix Spike	1.37/50	20	L11020447-01	02/18/11 12:24
30	T2.021811.122753	WG356852-05	Matrix Spike Duplica	1.37/50	20	L11020447-01	02/18/11 12:27
31	T2.021811.123131	WG357012-15	CCV		1		02/18/11 12:31
32	T2.021811.123502	WG357012-16	CCB		1		02/18/11 12:35
33	T2.021811.123844	L11020447-06	SITE \#1-2-16-11-CLAY-C	1.409/50	20		02/18/11 12:38
34	T2.021811.124222	WG356945-01	Post Digestion Spike		20	L11020447-06	02/18/11 12:42

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	T2.021811.124552	WG356945-02	Serial Dilution		100	L11020447-06	02/18/11 12:45
36	T2.021811.124931	WG356945-02	Serial Dilution		500	L11020447-06	02/18/11 12:49
37	T2.021811.125312	L11020447-07	SITE \#1-2-16-11-CLAY-C-2	1.468/50	20		02/18/11 12:53
38	T2.021811.125650	L11020447-07	SITE \#1-2-16-11-CLAY-C-2		100		02/18/11 12:56
39	T2.021811.130058	WG357012-14	Linear Range Check		1		02/18/11 13:00
40	T2.021811.130438	L11020432-02	SW-SITE 9-6-021111 USCG	1.32/50	1		02/18/11 13:04
41	T2.021811.130809	WG357012-17	CCV		1		02/18/11 13:08
42	T2.021811.131141	WG357012-18	CCB		1		02/18/11 13:11
43	T2.021811.131522	L11020432-03	TEST PIT-09-05-USCG SITE	1.492/50	1		02/18/11 13:15
44	T2.021811.131859	L11020432-04	TEST PIT-09-06-USCG SITE	1.312/50	1		02/18/11 13:18
45	T2.021811.132235	L11020365-10	12252-C0006	1.016/50	5		02/18/11 13:22
46	T2.021811.132606	L11020365-11	12258-C0001	1.038/50	5		02/18/11 13:26
47	T2.021811.132936	L11020365-12	12258-C0002	1.026/50	5		02/18/11 13:29
48	T2.021811.133305	L11020365-13	12258-C0003	1.022/50	5		02/18/11 13:33
49	T2.021811.133633	L11020365-14	12258-C0004	1.005/50	5		02/18/11 13:36
50	T2.021811.134007	WG357012-19	CCV		1		02/18/11 13:40
51	T2.021811.134338	WG357012-20	CCB		1		02/18/11 13:43
52	T2.021811.134720	L11020365-15	12258-C0005	1.029/50	5		02/18/11 13:47
53	T2.021811.135051	L11020365-16	12258-C0006	1.038/50	5		02/18/11 13:50
54	T2.021811.135423	L11020365-17	12258-C0007	1.014/50	5		02/18/11 13:54
55	T2.021811.135754	L11020365-18	12258-C0008	1.03/50	5		02/18/11 13:57
56	T2.021811.140125	L11020365-19	12258-C0009	1.023/50	5		02/18/11 14:01
57	T2.021811.140456	L11020365-20	12258-C0010	1.02/50	5		02/18/11 14:04
58	T2.021811.140826	L11020365-21	12258-C0011	1.045/50	5		02/18/11 14:08
59	T2.021811.141200	WG357012-21	CCV		1		02/18/11 14:12
60	T2.021811.141532	WG357012-22	CCB		1		02/18/11 14:15
61	T2.021811.141912	WG356822-02	Method/Prep Blank	1/50	1		02/18/11 14:19
62	T2.021811.142252	WG356822-03	Laboratory Control S	1/50	1		02/18/11 14:22
63	T2.021811.142631	L11020363-01	11240-C0001	1.001/50	5		02/18/11 14:26
64	T2.021811.142959	WG356973-01	Post Digestion Spike		5	L11020363-01	02/18/11 14:29
65	T2.021811.143323	WG356973-02	Serial Dilution		25	L11020363-01	02/18/11 14:33
66	T2.021811.143655	WG356973-02	Serial Dilution		125	L11020363-01	02/18/11 14:36
67	T2.021811.144031	L11020363-02	11240-C0003	1.005/50	5		02/18/11 14:40
68	T2.021811.144402	L11020363-03	11240-C0004	1.007/50	5		02/18/11 14:44

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Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	T2.021811.144732	L11020363-04	11240-C0005	1.013/50	5		02/18/11 14:47
70	T2.021811.145103	L11020363-05	11240-C0006	1.011/50	5		02/18/11 14:51
71	T2.021811.145436	WG357012-23	CCV		1		02/18/11 14:54
72	T2.021811.145807	WG357012-24	CCB		1		02/18/11 14:58
73	T2.021811.150150	L11020363-06	11240-C0007	1.02/50	5		02/18/11 15:01
74	T2.021811.150519	L11020363-07	11240-C0008	1.018/50	5		02/18/11 15:05
75	T2.021811.150850	L11020363-08	11240-C0009	1.002/50	5		02/18/11 15:08
76	T2.021811.151219	L11020363-09	11240-C0011	1.031/50	5		02/18/11 15:12
77	T2.021811.151547	L11020363-10	11240-C0012	1.011/50	5		02/18/11 15:15
78	T2.021811.151915	L11020363-11	11242-C0001	1.001/50	5		02/18/11 15:19
79	T2.021811.152243	L11020363-12	11242-C0003	1/50	5		02/18/11 15:22
80	T2.021811.152615	WG357012-25	CCV		1		02/18/11 15:26
81	T2.021811.152947	WG357012-26	CCB		1		02/18/11 15:29
82	T2.021811.153330	L11020363-13	11242-C0005	1.029/50	5		02/18/11 15:33
83	T2.021811.153701	L11020363-14	11242-C0007	1/50	5		02/18/11 15:37
84	T2.021811.154032	L11020364-41	12240-C0013	1.028/50	5		02/18/11 15:40
85	T2.021811.154403	L11020364-42	12246-C0001	1.01/50	5		02/18/11 15:44
86	T2.021811.154733	L11020364-43	12246-C0002	1.006/50	5		02/18/11 15:47
87	T2.021811.155103	L11020364-44	12246-C0003	1.007/50	5		02/18/11 15:51
88	T2.021811.155433	L11020364-45	12246-C0004	1.04/50	5		02/18/11 15:54
89	T2.021811.155810	WG356822-01	Reference Sample		5	L11020364-46	02/18/11 15:58
90	T2.021811.160137	WG356822-04	Matrix Spike	1.027/50	5	L11020364-46	02/18/11 16:01
91	T2.021811.160504	WG356822-05	Matrix Spike Duplica	1.027/50	5	L11020364-46	02/18/11 16:05
92	T2.021811.160837	WG357012-27	CCV		1		02/18/11 16:08
93	T2.021811.161209	WG357012-28	CCB		1		02/18/11 16:12
94	T2.021811.161556	WG356963-02	Method/Prep Blank	1/50	1		02/18/11 16:15
95	T2.021811.161940	WG356963-03	Laboratory Control S	1/50	1		02/18/11 16:19
96	T2.021811.162321	L11020454-01	12387-C0001	1.014/50	5		02/18/11 16:23
97	T2.021811.162653	WG356993-01	Post Digestion Spike		5	L11020454-01	02/18/11 16:26
98	T2.021811.163022	WG356993-02	Serial Dilution		25	L11020454-01	02/18/11 16:30
99	T2.021811.163359	WG356993-02	Serial Dilution		125	L11020454-01	02/18/11 16:33
100	T2.021811.163736	L11020454-02	12387-C0002	1.011/50	5		02/18/11 16:37
101	T2.021811.164109	L11020454-03	12387-C0003	1.02/50	5		02/18/11 16:41
102	T2.021811.164439	L11020454-04	12387-C0004	1.036/50	5		02/18/11 16:44

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	T2.021811.164810	L11020454-05	12387-C0005	1.021/50	5		02/18/11 16:48
104	T2.021811.165142	WG357012-29	CCV		1		02/18/11 16:51
105	T2.021811.165513	WG357012-30	CCB		1		02/18/11 16:55
106	T2.021811.165854	L11020454-06	12389-C0001	1.033/50	5		02/18/11 16:58
107	T2.021811.170224	L11020454-07	12389-C0002	1.005/50	5		02/18/11 17:02
108	T2.021811.170556	L11020454-08	12389-C0003	1.008/50	5		02/18/11 17:05
109	T2.021811.170926	L11020454-09	12389-C0004	1.042/50	5		02/18/11 17:09
110	T2.021811.171258	L11020454-10	12389-C0005	1.005/50	5		02/18/11 17:12
111	T2.021811.171630	WG356963-01	Reference Sample		5	L11020454-11	02/18/11 17:16
112	T2.021811.172001	WG356963-04	Matrix Spike	1.024/50	5	L11020454-11	02/18/11 17:20
113	T2.021811.172331	WG356963-05	Matrix Spike Duplica	1.024/50	5	L11020454-11	02/18/11 17:23
114	T2.021811.172702	L11020454-14	12389-C0007	1.008/50	5		02/18/11 17:27
115	T2.021811.173032	L11020454-15	12391-C0001	1.021/50	5		02/18/11 17:30
116	T2.021811.173405	WG357012-31	CCV		1		02/18/11 17:34
117	T2.021811.173736	WG357012-32	CCB		1		02/18/11 17:37
118	T2.021811.174116	L11020454-16	12391-C0002	1.02/50	5		02/18/11 17:41
119	T2.021811.174444	L11020454-17	12532-C0001	1.017/50	5		02/18/11 17:44
120	T2.021811.174812	L11020454-18	12532-C0002	1.036/50	5		02/18/11 17:48
121	T2.021811.175140	L11020454-19	12532-C0003	1.004/50	5		02/18/11 17:51
122	T2.021811.175511	L11020454-20	12532-C0004	1.03/50	5		02/18/11 17:55
123	T2.021811.175842	L11020454-21	12532-C0005	1.022/50	5		02/18/11 17:58
124	T2.021811.180214	L11020454-22	12532-C0006	1.039/50	5		02/18/11 18:02
125	T2.021811.180548	WG357012-33	CCV		1		02/18/11 18:05
126	T2.021811.180919	WG357012-34	CCB		1		02/18/11 18:09
127	T2.021811.181300	WG356952-02	Method/Prep Blank	1/50	1		02/18/11 18:13
128	T2.021811.181640	WG356952-03	Laboratory Control S	1/50	1		02/18/11 18:16
129	T2.021811.182021	L11020448-01	10624-C0007	1.026/50	5		02/18/11 18:20
130	T2.021811.182350	WG356995-01	Post Digestion Spike		5	L11020448-01	02/18/11 18:23
131	T2.021811.182715	WG356995-02	Serial Dilution		5	L11020448-01	02/18/11 18:27
132	T2.021811.183049	WG356995-02	Serial Dilution		5	L11020448-01	02/18/11 18:30
133	T2.021811.183425	L11020448-02	11957-C0007	1.038/50	5		02/18/11 18:34
134	T2.021811.183750	L11020448-03	12603-C0013	1.016/50	5		02/18/11 18:37
135	T2.021811.184122	WG357012-35	CCV		1		02/18/11 18:41
136	T2.021811.184453	WG357012-36	CCB		1		02/18/11 18:44

 Approved: February 21, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
137	T2.021811.184831	L11020448-04	13364-C0010	1.007/50	5		02/18/11 18:48
138	T2.021811.185200	L11020448-05	13364-C0013	1.035/50	5		02/18/11 18:52
139	T2.021811.185529	L11020455-01	12868-C0013	1.013/50	5		02/18/11 18:55
140	T2.021811.185859	L11020455-02	12868-C0014	1.018/50	5		02/18/11 18:58
141	T2.021811.190230	L11020455-03	12868-C0015	1.022/50	5		02/18/11 19:02
142	T2.021811.190558	L11020455-04	12868-C0017	1/50	5		02/18/11 19:05
143	T2.021811.190926	L11020455-05	12868-C0018	1.005/50	5		02/18/11 19:09
144	T2.021811.191255	L11020455-06	13386-C0001	1.006/50	5		02/18/11 19:12
145	T2.021811.191629	L11020455-07	13386-C0002	1.035/50	5		02/18/11 19:16
146	T2.021811.192001	L11020455-08	13386-C0003	1.007/50	5		02/18/11 19:20
147	T2.021811.192339	WG357012-37	CCV		1		02/18/11 19:23
148	T2.021811.192710	WG357012-38	CCB		1		02/18/11 19:27
149	T2.021811.193048	L11020455-09	13386-C0005	1/50	5		02/18/11 19:30
150	T2.021811.193421	L11020455-10	13386-C0006	1.021/50	5		02/18/11 19:34
151	T2.021811.193749	L11020455-11	13779-C0001	1.003/50	5		02/18/11 19:37
152	T2.021811.194120	L11020455-12	13779-C0002	1.045/50	5		02/18/11 19:41
153	T2.021811.194451	L11020455-13	13779-C0003	1.022/50	5		02/18/11 19:44
154	T2.021811.194821	L11020455-14	13779-C0004	1.002/50	5		02/18/11 19:48
155	T2.021811.195151	WG356952-01	Reference Sample		5	L11020455-15	02/18/11 19:51
156	T2.021811.195520	WG356952-04	Matrix Spike	1.013/50	5	L11020455-15	02/18/11 19:55
157	T2.021811.195848	WG356952-05	Matrix Spike Duplica	1.013/50	5	L11020455-15	02/18/11 19:58
158	T2.021811.200219	WG357012-39	CCV		1		02/18/11 20:02
159	T2.021811.200551	WG357012-40	CCB		1		02/18/11 20:05
160	T2.021811.200931	WG356831-02	Method/Prep Blank	1/50	1		02/18/11 20:09
161	T2.021811.201312	WG356831-03	Laboratory Control S	1/50	1		02/18/11 20:13
162	T2.021811.201653	L11020363-34	11573-C0008	1.028/50	5		02/18/11 20:16
163	T2.021811.202024	WG356972-01	Post Digestion Spike		5	L11020363-34	02/18/11 20:20
164	T2.021811.202351	WG356972-02	Serial Dilution		25	L11020363-34	02/18/11 20:23
165	T2.021811.202726	WG356972-02	Serial Dilution		125	L11020363-34	02/18/11 20:27
166	T2.021811.203103	L11020363-35	11573-C0009	1/50	5		02/18/11 20:31
167	T2.021811.203434	L11020363-39	11573-C0011	1.009/50	5		02/18/11 20:34
168	T2.021811.203805	L11020363-40	11573-C0013	1.025/50	5		02/18/11 20:38
169	T2.021811.204134	L11020363-41	11573-C0015	1.043/50	5		02/18/11 20:41
170	T2.021811.204507	WG357012-41	CCV		1		02/18/11 20:45

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Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
171	T2.021811.204838	WG357012-42	CCB		1		02/18/11 20:48
172	T2.021811.205218	L11020363-42	11583-C0001	1.008/50	5		02/18/11 20:52
173	T2.021811.205547	L11020363-43	11583-C0002	1.022/50	5		02/18/11 20:55
174	T2.021811.205914	L11020363-44	11583-C0003	1.037/50	5		02/18/11 20:59
175	T2.021811.210246	L11020363-45	11583-C0004	1.017/50	5		02/18/11 21:02
176	T2.021811.210618	L11020363-46	11583-C0005	1.027/50	5		02/18/11 21:06
177	T2.021811.210950	WG356831-01	Reference Sample		5	L11020363-47	02/18/11 21:09
178	T2.021811.211321	WG356831-04	Matrix Spike	1.02/50	5	L11020363-47	02/18/11 21:13
179	T2.021811.211653	WG356831-05	Matrix Spike Duplica	1.02/50	5	L11020363-47	02/18/11 21:16
180	T2.021811.212026	WG357012-43	CCV		1		02/18/11 21:20
181	T2.021811.212356	WG357012-44	CCB		1		02/18/11 21:23
182	T2.021811.212738	L11020365-01	12249-C0002	1.04/50	5		02/18/11 21:27
183	T2.021811.213108	L11020365-02	12249-C0003	1.022/50	5		02/18/11 21:31
184	T2.021811.213439	L11020365-03	12249-C0004	1.027/50	5		02/18/11 21:34
185	T2.021811.213808	L11020365-04	12249-C0005	1.045/50	5		02/18/11 21:38
186	T2.021811.214145	L11020365-05	12252-C0001	1.046/50	5		02/18/11 21:41
187	T2.021811.214516	L11020365-06	12252-C0002	1.036/50	5		02/18/11 21:45
188	T2.021811.214846	L11020365-07	12252-C0003	1/50	5		02/18/11 21:48
189	T2.021811.215215	L11020365-08	12252-C0004	1.009/50	5		02/18/11 21:52
190	T2.021811.215549	L11020365-09	12252-C0005	1.008/50	5		02/18/11 21:55
191	T2.021811.215921	WG357012-45	CCV		1		02/18/11 21:59
192	T2.021811.220253	WG357012-46	CCB		1		02/18/11 22:02
193	T2.021811.220636	WG356851-02	Method/Prep Blank	1/50	1		02/18/11 22:06
194	T2.021811.221019	WG356851-03	Laboratory Control S	1/50	1		02/18/11 22:10
195	T2.021811.221400	L11020365-22	12258-C0012	1.033/50	5		02/18/11 22:14
196	T2.021811.221733	WG356976-01	Post Digestion Spike		5	L11020365-22	02/18/11 22:17
197	T2.021811.222102	WG356976-02	Serial Dilution		25	L11020365-22	02/18/11 22:21
198	T2.021811.222438	WG356976-02	Serial Dilution		125	L11020365-22	02/18/11 22:24
199	T2.021811.222816	L11020365-23	12258-C0013	1.04/50	5		02/18/11 22:28
200	T2.021811.223146	L11020365-24	12258-C0014	1.013/50	5		02/18/11 22:31
201	T2.021811.223515	L11020365-25	12259-C0001	1.009/50	5		02/18/11 22:35
202	T2.021811.223844	L11020365-26	12259-C0002	1.025/50	5		02/18/11 22:38
203	T2.021811.224224	WG357012-47	CCV		1		02/18/11 22:42
204	T2.021811.224555	WG357012-48	CCB		1		02/18/11 22:45

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Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
205	T2.021811.224934	L11020365-27	12259-C0003	1.031/50	5		02/18/11 22:49
206	T2.021811.225306	WG356851-01	Reference Sample		5	L11020365-28	02/18/11 22:53
207	T2.021811.225638	WG356851-04	Matrix Spike	1.008/50	5	L11020365-28	02/18/11 22:56
208	T2.021811.230017	WG356851-05	Matrix Spike Duplica	1.008/50	5	L11020365-28	02/18/11 23:00
209	T2.021811.230348	L11020365-31	12259-C0005	1.022/50	5		02/18/11 23:03
210	T2.021811.230720	L11020365-32	12259-C0006	1.008/50	5		02/18/11 23:07
211	T2.021811.231058	L11020365-33	12259-C0007	1.019/50	5		02/18/11 23:10
212	T2.021811.231430	WG357012-49	CCV		1		02/18/11 23:14
213	T2.021811.231800	WG357012-50	CCB		1		02/18/11 23:18
214	T2.021811.232142	L11020365-34	12259-C0008	1.027/50	5		02/18/11 23:21
215	T2.021811.232521	L11020365-35	12259-C0009	1.019/50	5		02/18/11 23:25
216	T2.021811.232851	L11020365-36	12259-C0010	1.006/50	5		02/18/11 23:28
217	T2.021811.233223	L11020365-37	12259-C0011	1.032/50	5		02/18/11 23:32
218	T2.021811.233600	L11020365-38	12262-C0001	1.003/50	5		02/18/11 23:36
219	T2.021811.233929	L11020365-39	12262-C0002	1.033/50	5		02/18/11 23:39
220	T2.021811.234256	L11020365-40	12262-C0003	1.019/50	5		02/18/11 23:42
221	T2.021811.234624	L11020365-41	12262-C0004	1.038/50	5		02/18/11 23:46
222	T2.021811.234951	L11020365-42	12262-C0005	1.016/50	5		02/18/11 23:49
223	T2.021811.235320	L11020365-43	12262-C0006	1.041/50	5		02/18/11 23:53
224	T2.021811.235651	WG357012-51	CCV		1		02/18/11 23:56
225	T2.021911.000022	WG357012-52	CCB		1		02/19/11 00:00
226	T2.021911.000404	WG356912-02	Method/Prep Blank	1/50	1		02/19/11 00:04
227	T2.021911.000748	WG356912-03	Laboratory Control S	1/50	1		02/19/11 00:07
228	T2.021911.001130	L11020325-01	13455-C0010	1.02/50	5		02/19/11 00:11
229	T2.021911.001500	L11020365-44	12262-C0007	1.012/50	5		02/19/11 00:15
230	T2.021911.001832	L11020365-45	12262-C0008	1.048/50	5		02/19/11 00:18
231	T2.021911.002205	L11020365-46	12262-C0009	1.028/50	5		02/19/11 00:22
232	T2.021911.002536	L11020365-47	12267-C0001	1.01/50	5		02/19/11 00:25
233	T2.021911.002908	L11020365-48	12267-C0002	1.002/50	5		02/19/11 00:29
234	T2.021911.003240	L11020366-01	12267-C0003	1.003/50	5		02/19/11 00:32
235	T2.021911.003611	WG356965-01	Post Digestion Spike		5	L11020366-01	02/19/11 00:36
236	T2.021911.003939	WG357012-53	CCV		1		02/19/11 00:39
237	T2.021911.004309	WG357012-54	CCB		1		02/19/11 00:43
238	T2.021911.004651	WG356965-02	Serial Dilution		25	L11020366-01	02/19/11 00:46

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: ICP-THERMO2 Dataset: 021811T2.2
Analyst1: JYH Analyst2: N/A
Method: 6010 SOP: ME600G Rev: 2
Maintenance Log ID: 36385

Calibration Std: STD44011 ICV Std: STD43628 Post Spike: STD39932
ICSA: STD43804 ICSAB: STD43751 Int. Std: STD43629
CCV: STD44047 LLCCV:

Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
239	T2.021911.005025	WG356965-02	Serial Dilution		125	L11020366-01	02/19/11 00:50
240	T2.021911.005407	L11020366-02	12267-C0004	1.001/50	5		02/19/11 00:54
241	T2.021911.005739	L11020366-03	12269-C0001	1.014/50	5		02/19/11 00:57
242	T2.021911.010112	L11020366-04	12269-C0002	1.023/50	5		02/19/11 01:01
243	T2.021911.010445	L11020366-05	12269-C0003	1.022/50	5		02/19/11 01:04
244	T2.021911.010816	L11020366-06	12269-C0004	1.03/50	5		02/19/11 01:08
245	T2.021911.011148	L11020366-07	12269-C0005	1.019/50	5		02/19/11 01:11
246	T2.021911.011521	L11020366-08	12269-C0006	1.006/50	5		02/19/11 01:15
247	T2.021911.011853	L11020366-09	12269-C0007	1.018/50	5		02/19/11 01:18
248	T2.021911.012224	WG357012-55	CCV		1		02/19/11 01:22
249	T2.021911.012555	WG357012-56	CCB		1		02/19/11 01:25
250	T2.021911.012937	WG356912-01	Reference Sample		5	L11020366-10	02/19/11 01:29
251	T2.021911.013308	WG356912-04	Matrix Spike	1.044/50	5	L11020366-10	02/19/11 01:33
252	T2.021911.013639	WG356912-05	Matrix Spike Duplica	1.044/50	5	L11020366-10	02/19/11 01:36
253	T2.021911.014010	L11020366-13	12269-C0009	1.043/50	5		02/19/11 01:40
254	T2.021911.014344	L11020366-14	12269-C0010	1.005/50	5		02/19/11 01:43
255	T2.021911.014717	L11020366-15	12269-C0011	1/50	5		02/19/11 01:47
256	T2.021911.015050	L11020366-16	12269-C0012	1.006/50	5		02/19/11 01:50
257	T2.021911.015422	WG357012-57	CCV		1		02/19/11 01:54
258	T2.021911.015753	WG357012-58	CCB		1		02/19/11 01:57

 Approved: February 21, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 021811H5.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36482

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD43688 ICSAB: STD43687 Int. Std: STD43931
CCV: STD43884 LLCCV:

Workgroups: 356956,356823

Comments: Sequences 64 through 135 were not reported due to CCV failures for multiple analytes.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	P2.021811.142800	WG357093-01	Calibration Point		1		02/18/11 14:28
2	P2.021811.143435	WG357093-02	Calibration Point		1		02/18/11 14:34
3	P2.021811.144112	WG357093-03	Calibration Point		1		02/18/11 14:41
4	P2.021811.144751	WG357093-04	Calibration Point		1		02/18/11 14:47
5	P2.021811.145431	WG357093-05	Calibration Point		1		02/18/11 14:54
6	P2.021811.150115	WG357093-06	Initial Calibration Verification		1		02/18/11 15:01
7	P2.021811.150801	WG357093-07	Initial Calib Blank		1		02/18/11 15:08
8	P2.021811.151438	WG357093-08	Low Level Continuing Calibra		1		02/18/11 15:14
9	P2.021811.152119	WG357093-09	Interference Check		1		02/18/11 15:21
10	P2.021811.152659	WG357093-10	Interference Check		1		02/18/11 15:26
11	P2.021811.153239	WG357093-11	CCV		1		02/18/11 15:32
12	P2.021811.153917	WG357093-12	CCB		1		02/18/11 15:39
13	P2.021811.154605	WG357093-13	Linear Range Check		1		02/18/11 15:46
14	P2.021811.155104	WG357093-13	Linear Range Check		1		02/18/11 15:51
15	P2.021811.155746	WG357093-13	Linear Range Check		1		02/18/11 15:57
16	P2.021811.160424	BLANK	BLANK		1		02/18/11 16:04
17	P2.021811.161107	BLANK	BLANK		1		02/18/11 16:11
18	P2.021811.161744	WG357093-14	CCV		1		02/18/11 16:17
19	P2.021811.162424	WG357093-15	CCB		1		02/18/11 16:24
20	P2.021811.163101	WG356895-02	Method/Prep Blank	50/50	1		02/18/11 16:31
21	P2.021811.163738	WG356895-03	Laboratory Control S	50/50	1		02/18/11 16:37
22	P2.021811.164428	WG356895-01	Reference Sample		1	L11020447-05	02/18/11 16:44
23	P2.021811.165107	WG356895-04	Matrix Spike	50/50	1	L11020447-05	02/18/11 16:51
24	P2.021811.165751	WG356895-05	Matrix Spike Duplica	50/50	1	L11020447-05	02/18/11 16:57
25	P2.021811.170431	L11020453-01	12532-W0001	50/50	1		02/18/11 17:04
26	P2.021811.171112	WG356956-01	Post Digestion Spike		1	L11020453-01	02/18/11 17:11
27	P2.021811.171751	WG356956-02	Serial Dilution		5	L11020453-01	02/18/11 17:17
28	P2.021811.172429	L11020453-02	12868-W0001	50/50	1		02/18/11 17:24
29	P2.021811.173109	L11020453-03	13386-W0001	50/50	1		02/18/11 17:31
30	P2.021811.173746	WG357093-16	CCV		1		02/18/11 17:37
31	P2.021811.174427	WG357093-17	CCB		1		02/18/11 17:44
32	P2.021811.175104	WG356762-02	Method/Prep Blank	50/50	1		02/18/11 17:51
33	P2.021811.175743	WG356762-03	Laboratory Control S	50/50	1		02/18/11 17:57
34	P2.021811.180422	L11020359-01	FTGWEF277	50/50	1		02/18/11 18:04

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Sheri L. Babgard

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Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 021811H5.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36482

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD43688 ICSAB: STD43687 Int. Std: STD43931
CCV: STD43884 LLCCV:

Workgroups: 356956,356823

Comments: Sequences 64 through 135 were not reported due to CCV failures for multiple analytes.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	P2.021811.181102	L11020360-01	POND OUTFALL	50/50	1		02/18/11 18:11
36	P2.021811.181741	WG356823-01	Post Digestion Spike		1	L11020360-01	02/18/11 18:17
37	P2.021811.182421	WG356823-02	Serial Dilution		5	L11020360-01	02/18/11 18:24
38	P2.021811.183106	L11020361-01	ID A N\&S	50/50	1		02/18/11 18:31
39	P2.021811.183749	WG356762-01	Reference Sample		1	L11020397-01	02/18/11 18:37
40	P2.021811.184432	WG356762-04	Matrix Spike	50/50	1	L11020397-01	02/18/11 18:44
41	P2.021811.185117	WG356762-05	Matrix Spike Duplica	50/50	1	L11020397-01	02/18/11 18:51
42	P2.021811.185800	WG357093-18	CCV		1		02/18/11 18:58
43	P2.021811.190439	WG357093-19	CCB		1		02/18/11 19:04
44	P2.021811.191117	L11020412-01	1378-W0001	50/50	1		02/18/11 19:11
45	P2.021811.191756	L11020412-02	1378-W0002	50/50	1		02/18/11 19:17
46	P2.021811.192434	L11020412-03	1630-W0001	50/50	1		02/18/11 19:24
47	P2.021811.193114	L11020412-04	21-W0001	50/50	1		02/18/11 19:31
48	P2.021811.193753	L11020412-05	21-W0002	50/50	1		02/18/11 19:37
49	P2.021811.194432	L11020412-06	21-W0003	50/50	1		02/18/11 19:44
50	P2.021811.195112	L11020412-07	21-W0004	50/50	1		02/18/11 19:51
51	P2.021811.195750	L11020412-08	2133-W0002	50/50	1		02/18/11 19:57
52	P2.021811.200429	L11020412-09	2137-W0001	50/50	1		02/18/11 20:04
53	P2.021811.201111	L11020412-10	2137-W0002	50/50	1		02/18/11 20:11
54	P2.021811.201758	WG357093-20	CCV		1		02/18/11 20:17
55	P2.021811.202437	WG357093-21	CCB		1		02/18/11 20:24
56	P2.021811.203115	L11020412-11	228-W0001	50/50	1		02/18/11 20:31
57	P2.021811.203754	L11020412-12	228-W0002	50/50	1		02/18/11 20:37
58	P2.021811.204433	L11020412-13	246-W0001	50/50	1		02/18/11 20:44
59	P2.021811.205114	L11020412-14	392-W0001	50/50	1		02/18/11 20:51
60	P2.021811.205753	L11020412-15	392-W0002	50/50	1		02/18/11 20:57
61	P2.021811.210437	L11020412-16	392-W0003	50/50	1		02/18/11 21:04
62	P2.021811.211120	WG357093-22	CCV		1		02/18/11 21:11
63	P2.021811.211802	WG357093-23	CCB		1		02/18/11 21:18
64	P2.021811.212440	WG356954-02	Method/Prep Blank		1		02/18/11 21:24
65	P2.021811.213122	WG356954-03	Laboratory Control S		1		02/18/11 21:31
66	P2.021811.213824	WG356907-01	TCLP Fluid Blank 1		1		02/18/11 21:38
67	P2.021811.214508	WG356907-02	TCLP Fluid Blank 2		1		02/18/11 21:45
68	P2.021811.215154	L11020357-01	B156-S-021011		1		02/18/11 21:51

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Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 021811H5.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36482

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD43688 ICSAB: STD43687 Int. Std: STD43931
CCV: STD43884 LLCCV:

356956,356823
Workgroups:

Comments: Sequences 64 through 135 were not reported due to CCV failures for multiple analytes.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	P2.021811.215839	WG356971-01	Post Digestion Spike		1	L11020387-01	02/18/11 21:58
70	P2.021811.220526	WG356971-02	Serial Dilution		5	L11020387-01	02/18/11 22:05
71	P2.021811.221212	L11020358-01	SOIL-021011		1		02/18/11 22:12
72	P2.021811.221859	L11020382-02	21511-BB		1		02/18/11 22:18
73	P2.021811.222540	L11020387-01	13837-SSP0109		1		02/18/11 22:25
74	P2.021811.223231	WG357093-24	CCV		1		02/18/11 22:32
75	P2.021811.223914	WG357093-25	CCB		1		02/18/11 22:39
76	P2.021811.224552	WG356954-01	Reference Sample		1	L11020438-01	02/18/11 22:45
77	P2.021811.225235	WG356954-04	Matrix Spike		1	L11020438-01	02/18/11 22:52
78	P2.021811.225918	WG356954-05	Matrix Spike Duplica		1	L11020438-01	02/18/11 22:59
79	P2.021811.230602	WG357093-26	CCV		1		02/18/11 23:06
80	P2.021811.231247	WG357093-27	CCB		1		02/18/11 23:12
81	P2.021811.231927	L11020402-02	SW1A.258.14		1		02/18/11 23:19
82	P2.021811.232614	WG356765-01	Reference Sample		1	L11020402-07	02/18/11 23:26
83	P2.021811.233255	WG356765-04	Matrix Spike		1	L11020402-07	02/18/11 23:32
84	P2.021811.233940	WG356765-05	Matrix Spike Duplica		1	L11020402-07	02/18/11 23:39
85	P2.021811.234621	L11020402-14	SW3A.258.14		1		02/18/11 23:46
86	P2.021811.235303	L11020402-17	SW3B.258.14		1		02/18/11 23:53
87	P2.021811.235944	L11020402-20	SW4A.258.14		1		02/18/11 23:59
88	P2.021911.000623	WG356832-01	Post Digestion Spike		1	L11020402-17	02/19/11 00:06
89	P2.021911.001307	WG357093-28	CCV		1		02/19/11 00:13
90	P2.021911.001951	WG357093-29	CCB		1		02/19/11 00:19
91	P2.021911.002630	WG356832-02	Serial Dilution		5	L11020402-17	02/19/11 00:26
92	P2.021911.003310	L11020402-23	SW5A.258.14		1		02/19/11 00:33
93	P2.021911.003953	L11020412-17	392-W0004		1		02/19/11 00:39
94	P2.021911.004632	L11020412-18	392-W0005		1		02/19/11 00:46
95	P2.021911.005312	L11020412-19	392-W0006		1		02/19/11 00:53
96	P2.021911.005955	L11020412-20	392-W0007		1		02/19/11 00:59
97	P2.021911.010634	L11020412-21	392-W0008		1		02/19/11 01:06
98	P2.021911.011314	L11020412-22	413-W0001		1		02/19/11 01:13
99	P2.021911.011956	L11020431-01	129-W0001		1		02/19/11 01:19
100	P2.021911.012639	L11020434-01	01SYS-EFF-021411		1		02/19/11 01:26
101	P2.021911.013337	WG357093-30	CCV		1		02/19/11 01:33
102	P2.021911.014019	WG357093-31	CCB		1		02/19/11 01:40

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Instrument Run Log

Instrument: PE-ICP2 Dataset: 021811H5.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36482

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD43688 ICSAB: STD43687 Int. Std: STD43931
CCV: STD43884 LLCCV:

Workgroups: 356956,356823

Comments: Sequences 64 through 135 were not reported due to CCV failures for multiple analytes.

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	P2.021911.014701	WG357093-32	Low Level Continuing Calibra		1		02/19/11 01:47
104	P2.021911.015338	WG356433-02	Method/Prep Blank		1		02/19/11 01:53
105	P2.021911.020023	WG356433-03	Laboratory Control S		1		02/19/11 02:00
106	P2.021911.020705	L11020266-01	MW89-7		1		02/19/11 02:07
107	P2.021911.021345	L11020266-02	MW89-7-DUP		1		02/19/11 02:13
108	P2.021911.022031	L11020266-03	DIW-16		1		02/19/11 02:20
109	P2.021911.022621	L11020266-04	MW88-2		1		02/19/11 02:26
110	P2.021911.023204	L11020266-05	MW89-6		1		02/19/11 02:32
111	P2.021911.023747	WG356489-01	Post Digestion Spike		1	L11020266-06	02/19/11 02:37
112	P2.021911.024335	WG356489-02	Serial Dilution		5	L11020266-06	02/19/11 02:43
113	P2.021911.025014	L11020266-06	MW89-6-DUP		1		02/19/11 02:50
114	P2.021911.025558	WG357093-33	CCV		1		02/19/11 02:55
115	P2.021911.030244	WG357093-34	CCB		1		02/19/11 03:02
116	P2.021911.030923	WG357093-35	Low Level Continuing Calibra		1		02/19/11 03:09
117	P2.021911.031601	L11020266-07	MW023		1		02/19/11 03:16
118	P2.021911.032151	L11020266-08	MW88-3		1		02/19/11 03:21
119	P2.021911.032831	L11020266-09	MW89-2		1		02/19/11 03:28
120	P2.021911.033512	L11020266-10	MW89-2-DUP		1		02/19/11 03:35
121	P2.021911.034151	L11020266-11	DIW-15		1		02/19/11 03:41
122	P2.021911.034736	L11020266-12	MW89-5		1	WG356433-01	02/19/11 03:47
123	P2.021911.035415	WG356433-04	Matrix Spike		1	L11020266-12	02/19/11 03:54
124	P2.021911.040056	WG356433-05	Matrix Spike Duplica		1	L11020266-12	02/19/11 04:00
125	P2.021911.040738	L11020266-13	MW29-36		1		02/19/11 04:07
126	P2.021911.041419	L11020266-14	MW86-2		1		02/19/11 04:14
127	P2.021911.042100	WG357093-36	CCV		1		02/19/11 04:21
128	P2.021911.042746	WG357093-37	CCB		1		02/19/11 04:27
129	P2.021911.043426	WG357093-38	Low Level Continuing Calibra		1		02/19/11 04:34
130	P2.021911.044104	L11020266-15	MW86-1		1		02/19/11 04:41
131	P2.021911.044750	L11020266-16	DIW-21		1		02/19/11 04:47
132	P2.021911.045334	FBLK	FBLK		1		02/19/11 04:53
133	P2.021911.050022	WG357093-39	CCV		1		02/19/11 05:00
134	P2.021911.050701	WG357093-40	CCB		1		02/19/11 05:07
135	P2.021911.051337	WG357093-41	Low Level Continuing Calibra		1		02/19/11 05:13

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Sheri L. Babgard

Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 022111H2.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36505

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD44050 ICSAB: STD44051 Int. Std: STD44052
CCV: STD43884 LLCCV:

Workgroups: 356971,356486,356956,356823,356832

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	P2.022111.115601	WG357128-01	Calibration Point		1		02/21/11 11:56
2	P2.022111.120236	WG357128-02	Calibration Point		1		02/21/11 12:02
3	P2.022111.120913	WG357128-03	Calibration Point		1		02/21/11 12:09
4	P2.022111.121553	WG357128-04	Calibration Point		1		02/21/11 12:15
5	P2.022111.122233	WG357128-05	Calibration Point		1		02/21/11 12:22
6	P2.022111.122917	WG357128-06	Initial Calibration Verification		1		02/21/11 12:29
7	P2.022111.123559	WG357128-07	Initial Calib Blank		1		02/21/11 12:35
8	P2.022111.124237	WG357128-08	Low Level Continuing Calibra		1		02/21/11 12:42
9	P2.022111.124918	WG357128-09	Interference Check		1		02/21/11 12:49
10	P2.022111.125504	WG357128-10	Interference Check		1		02/21/11 12:55
11	P2.022111.130044	WG357128-11	CCV		1		02/21/11 13:00
12	P2.022111.130723	WG357128-12	CCB		1		02/21/11 13:07
13	P2.022111.131402	WG356954-02	Method/Prep Blank	5/50	1		02/21/11 13:14
14	P2.022111.132041	WG356954-03	Laboratory Control S	5/50	1		02/21/11 13:20
15	P2.022111.132725	WG356907-01	TCLP Fluid Blank 1		1		02/21/11 13:27
16	P2.022111.133406	WG356907-02	TCLP Fluid Blank 2		1		02/21/11 13:34
17	P2.022111.134050	L11020387-01	13837-SSP0109	5/50	1		02/21/11 13:40
18	P2.022111.134740	WG356971-01	Post Digestion Spike		1	L11020387-01	02/21/11 13:47
19	P2.022111.135423	WG356971-02	Serial Dilution		5	L11020387-01	02/21/11 13:54
20	P2.022111.140107	WG356954-01	Reference Sample		1	L11020438-01	02/21/11 14:01
21	P2.022111.140754	WG356954-04	Matrix Spike	5/50	1	L11020438-01	02/21/11 14:07
22	P2.022111.141435	WG356954-05	Matrix Spike Duplica	5/50	1	L11020438-01	02/21/11 14:14
23	P2.022111.142118	WG357128-13	CCV		1		02/21/11 14:21
24	P2.022111.142758	WG357128-14	CCB		1		02/21/11 14:27
25	P2.022111.143641	L11020357-01	B156-S-021011	5/50	1		02/21/11 14:36
26	P2.022111.144325	L11020358-01	SOIL-021011	5/50	1		02/21/11 14:43
27	P2.022111.145006	L11020382-02	21511-BB	5/50	1		02/21/11 14:50
28	P2.022111.145646	WG357128-15	CCV		1		02/21/11 14:56
29	P2.022111.150323	WG357128-16	CCB		1		02/21/11 15:03
30	P2.022111.151002	WG357128-17	Low Level Continuing Calibra		1		02/21/11 15:10
31	P2.022111.151802	WG356433-02	Method/Prep Blank	50/50	1		02/21/11 15:18
32	P2.022111.152442	WG356433-03	Laboratory Control S	50/50	1		02/21/11 15:24
33	P2.022111.153120	L11020266-01	MW89-7	50/50	1		02/21/11 15:31
34	P2.022111.153759	L11020266-02	MW89-7-DUP	50/50	1		02/21/11 15:37

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Esther L. Babgard

Microbac

Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 022111H2.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36505

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD44050 ICSAB: STD44051 Int. Std: STD44052
CCV: STD43884 LLCCV:

Workgroups: 356971,356486,356956,356823,356832

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	P2.022111.154438	L11020266-03	DIW-16	50/50	1		02/21/11 15:44
36	P2.022111.155020	L11020266-04	MW88-2	50/50	1		02/21/11 15:50
37	P2.022111.155601	L11020266-05	MW89-6	50/50	1		02/21/11 15:56
38	P2.022111.160144	L11020266-06	MW89-6-DUP	50/50	1		02/21/11 16:01
39	P2.022111.160726	WG356489-01	Post Digestion Spike		1	L11020266-06	02/21/11 16:07
40	P2.022111.161310	WG356489-02	Serial Dilution		5	L11020266-06	02/21/11 16:13
41	P2.022111.161948	WG357128-18	CCV		1		02/21/11 16:19
42	P2.022111.162625	WG357128-19	CCB		1		02/21/11 16:26
43	P2.022111.163301	WG357128-20	Low Level Continuing Calibra		1		02/21/11 16:33
44	P2.022111.163941	L11020266-07	MW023	50/50	1		02/21/11 16:39
45	P2.022111.164526	L11020266-08	MW88-3	50/50	1		02/21/11 16:45
46	P2.022111.165203	L11020266-09	MW89-2	50/50	1		02/21/11 16:52
47	P2.022111.165841	L11020266-10	MW89-2-DUP	50/50	1		02/21/11 16:58
48	P2.022111.170522	L11020266-11	DIW-15	50/50	1		02/21/11 17:05
49	P2.022111.171106	L11020266-12	MW89-5	50/50	1	WG356433-01	02/21/11 17:11
50	P2.022111.171743	WG356433-04	Matrix Spike	50/50	1	L11020266-12	02/21/11 17:17
51	P2.022111.172422	WG356433-05	Matrix Spike Duplica	50/50	1	L11020266-12	02/21/11 17:24
52	P2.022111.173103	L11020266-13	MW29-36	50/50	1		02/21/11 17:31
53	P2.022111.173746	L11020266-14	MW86-2	50/50	1		02/21/11 17:37
54	P2.022111.174423	WG357128-21	CCV		1		02/21/11 17:44
55	P2.022111.175104	WG357128-22	CCB		1		02/21/11 17:51
56	P2.022111.175740	WG357128-23	Low Level Continuing Calibra		1		02/21/11 17:57
57	P2.022111.180420	L11020266-15	MW86-1	50/50	1		02/21/11 18:04
58	P2.022111.181100	L11020266-16	DIW-21	50/50	1		02/21/11 18:11
59	P2.022111.181643	FBLK	FBLK		1		02/21/11 18:16
60	P2.022111.182324	WG357128-24	CCV		1		02/21/11 18:23
61	P2.022111.183001	WG357128-25	CCB		1		02/21/11 18:30
62	P2.022111.183639	WG357128-26	Low Level Continuing Calibra		1		02/21/11 18:36
63	P2.022111.184317	WG356895-02	Method/Prep Blank	50/50	1		02/21/11 18:43
64	P2.022111.184956	WG356895-03	Laboratory Control S	50/50	1		02/21/11 18:49
65	P2.022111.185639	WG356895-01	Reference Sample		1	L11020447-05	02/21/11 18:56
66	P2.022111.190320	WG356956-03	Post Digestion Spike		1	L11020447-05	02/21/11 19:03
67	P2.022111.191002	WG356956-04	Serial Dilution		5	L11020447-05	02/21/11 19:10
68	P2.022111.191640	WG356895-04	Matrix Spike	50/50	1	L11020447-05	02/21/11 19:16

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Esther L. Babgard

Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 022111H2.CSV
Analyst1: PDM Analyst2: N/A
Method: 6010 SOP: ME600E Rev: 10
Maintenance Log ID: 36505

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932
ICSA: STD44050 ICSAB: STD44051 Int. Std: STD44052
CCV: STD43884 LLCCV:

Workgroups: 356971,356486,356956,356823,356832

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
69	P2.022111.192321	WG356895-05	Matrix Spike Duplica	50/50	1	L11020447-05	02/21/11 19:23
70	P2.022111.193004	WG357128-27	CCV		1		02/21/11 19:30
71	P2.022111.193641	WG357128-28	CCB		1		02/21/11 19:36
72	P2.022111.194404	WG356762-02	Method/Prep Blank	50/50	1		02/21/11 19:44
73	P2.022111.195042	WG356762-03	Laboratory Control S	50/50	1		02/21/11 19:50
74	P2.022111.195724	WG356762-01	Reference Sample		5	L11020397-01	02/21/11 19:57
75	P2.022111.200405	WG356823-03	Post Digestion Spike		5	L11020397-01	02/21/11 20:04
76	P2.022111.201048	WG356823-04	Serial Dilution		25	L11020397-01	02/21/11 20:10
77	P2.022111.201727	WG356762-04	Matrix Spike	50/50	5	L11020397-01	02/21/11 20:17
78	P2.022111.202410	WG356762-05	Matrix Spike Duplica	50/50	5	L11020397-01	02/21/11 20:24
79	P2.022111.203053	WG357128-29	CCV		1		02/21/11 20:30
80	P2.022111.203730	WG357128-30	CCB		1		02/21/11 20:37
81	P2.022111.204409	WG356765-02	Method/Prep Blank	50/50	1		02/21/11 20:44
82	P2.022111.205050	WG356765-03	Laboratory Control S	50/50	1		02/21/11 20:50
83	P2.022111.205729	L11020402-02	SW1A.258.14	50/50	1		02/21/11 20:57
84	P2.022111.210408	WG356832-01	Post Digestion Spike		1	L11020402-17	02/21/11 21:04
85	P2.022111.211050	WG356832-02	Serial Dilution		5	L11020402-17	02/21/11 21:10
86	P2.022111.211728	L11020402-07	SW2A.258.14		1	WG356765-01	02/21/11 21:17
87	P2.022111.212407	L11020402-08	SW2A.258.14	50/50	1	WG356765-04	02/21/11 21:24
88	P2.022111.213051	L11020402-09	SW2A.258.14	50/50	1	WG356765-05	02/21/11 21:30
89	P2.022111.213732	L11020402-14	SW3A.258.14	50/50	1		02/21/11 21:37
90	P2.022111.214411	L11020402-17	SW3B.258.14	50/50	1		02/21/11 21:44
91	P2.022111.215053	WG357128-31	CCV		1		02/21/11 21:50
92	P2.022111.215739	WG357128-32	CCB		1		02/21/11 21:57
93	P2.022111.220416	L11020402-20	SW4A.258.14	50/50	1		02/21/11 22:04
94	P2.022111.221054	L11020402-23	SW5A.258.14	50/50	1		02/21/11 22:10
95	P2.022111.221733	L11020412-17	392-W0004	50/50	1		02/21/11 22:17
96	P2.022111.222412	L11020412-18	392-W0005	50/50	1		02/21/11 22:24
97	P2.022111.223051	L11020412-19	392-W0006	50/50	1		02/21/11 22:30
98	P2.022111.223734	L11020412-20	392-W0007	50/50	1		02/21/11 22:37
99	P2.022111.224414	L11020412-21	392-W0008	50/50	1		02/21/11 22:44
100	P2.022111.225056	L11020412-22	413-W0001	50/50	1		02/21/11 22:50
101	P2.022111.225736	L11020431-01	129-W0001	50/50	1		02/21/11 22:57
102	P2.022111.230416	L11020434-01	01SYS-EFF-021411	50/50	1		02/21/11 23:04

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Esther L. Babgard

Microbac Laboratories Inc.

Instrument Run Log

Instrument: PE-ICP2 Dataset: 022111H2.CSV

Analyst1: PDM Analyst2: N/A

Method: 6010 SOP: ME600E Rev: 10

Maintenance Log ID: 36505

Calibration Std: STD43840 ICV Std: STD43946 Post Spike: STD39932

ICSA: STD44050 ICSAB: STD44051 Int. Std: STD44052

CCV: STD43884 LLCCV:

Workgroups: 356971,356486,356956,356823,356832

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
103	P2.022111.231101	WG357128-33	CCV		1		02/21/11 23:11
104	P2.022111.231742	WG357128-34	CCB		1		02/21/11 23:17
105	P2.022111.232418	PDM	PDM		1		02/21/11 23:24
106	P2.022111.232959	WG357128-35	CCV		1		02/21/11 23:29
107	P2.022111.233636	WG357128-36	CCB		1		02/21/11 23:36

 Approved: February 22, 2011

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: EDL
Analyst: JYH
Method: 6010
Instrument: ICP-THERMO2
Curve Workgroup: 357012
Runlog ID: 39103
Analytical Workgroups: 356945, 356973, 356993, 356995, 356972, 356976, 356965

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	X
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	447, 432, 365, 363, 364, 454, 448
Case Narrative (Continued)	455, 325, 366
Client Forms	X
Level X	
Level 3	
Level 4	447, 432, 365, 363, 364, 454, 448
Level 4 (Continued)	455, 325, 366
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	EDL
Secondary Reviewer	MMB
Comments	

Primary Reviewer:
21-FEB-2011
Erin D. Long

Secondary Reviewer:
21-FEB-2011
Maren Beery

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 15:34:16

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: PDM
Analyst: NA
Method: 6010
Instrument: PE-ICP2
Curve Workgroup: 357093
Runlog ID: 39125
Analytical Workgroups: 356956,356823

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	0447,0453,0359,0360,0361,0397,0412
Client Forms	
Level X	
Level 3	0359,0360,0361
Level 4	0447,0453,0397,0412
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	PDM
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
21-FEB-2011
Pierce Morris

Secondary Reviewer:
22-FEB-2011
Sheri L. Babcock

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-22-2011 15:20:35

Microbac Laboratories Inc.

Data Checklist

Date: 21-FEB-2011
Analyst: PDM
Analyst: NA
Method: 6010
Instrument: PE-ICP2
Curve Workgroup: 357128
Runlog ID: 39133
Analytical Workgroups: 356971,356486,356956,356823,356832

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	0387,0327,0358,0438,0266,0447,0397
	0412,0431,0434
Client Forms	X
Level X	
Level 3	
Level 4	0387,0266,0447,0397,0412,0431,0434
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	PDM
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
21-FEB-2011
Pierce Morris

Secondary Reviewer:
22-FEB-2011
Sheri L. Babcock

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-22-2011 14:41:23

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6010B AAB#: WG356945

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-DUP	02	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-DUP	02	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-MS	03	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-MS	03	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-MSD	04	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-MSD	04	02/16/11					02/17/11	1.2	180		02/18/11	2	180	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/17/11	1.1	180		02/18/11	2	180	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/17/11	1.1	180		02/18/11	2	180	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/17/11	1.1	180		02/18/11	2	180	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/17/11	1.1	180		02/18/11	2	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1923851
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 6010B

AAB#: WG356956

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-2-16-11-FB	05	02/16/11					02/18/11	1.8	180		02/21/11	5.3	180	
SITE #1-2-16-11-FB	05	02/16/11					02/18/11	1.8	180		02/18/11	2.2	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1924601
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Blank File ID: T2.021811.111609
Prep Date: 02/17/11 14:50
Analyzed Date: 02/18/11 11:16
Analyst: JYH

Work Group: WG356945
Blank Sample ID: WG356852-02
Instrument ID: ICP-THERMO2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356852-03	T2.021811.111951	02/18/11 11:19	01
SITE #1-TPS-2-16-11-COMP	L11020447-01	T2.021811.112321	02/18/11 11:23	01
SITE #1-2-16-11-DUP	L11020447-02	T2.021811.112659	02/18/11 11:26	01
SITE #1-2-16-11-MS	L11020447-03	T2.021811.113036	02/18/11 11:30	01
SITE #1-2-16-11-MSD	L11020447-04	T2.021811.113409	02/18/11 11:34	01
SITE #1-2-16-11-CLAY-C	L11020447-06	T2.021811.113741	02/18/11 11:37	01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	T2.021811.115930	02/18/11 11:59	01
SITE #1-TPS-2-16-11-COMP	L11020447-01	T2.021811.121711	02/18/11 12:17	DL01
SITE #1-2-16-11-DUP	L11020447-02	T2.021811.122045	02/18/11 12:20	DL01
SITE #1-2-16-11-MS	L11020447-03	T2.021811.122420	02/18/11 12:24	DL01
SITE #1-2-16-11-MSD	L11020447-04	T2.021811.122753	02/18/11 12:27	DL01
SITE #1-2-16-11-CLAY-C	L11020447-06	T2.021811.123844	02/18/11 12:38	DL01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	T2.021811.125312	02/18/11 12:53	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1923852
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Blank File ID: P2.021811.163101
Prep Date: 02/18/11 06:36
Analyzed Date: 02/18/11 16:31
Analyst: PDM

Work Group: WG356956
Blank Sample ID: WG356895-02
Instrument ID: PE-ICP2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356895-03	P2.021811.163738	02/18/11 16:37	01
SITE #1-2-16-11-FB	L11020447-05	P2.021811.164428	02/18/11 16:44	01
LCS	WG356895-03	P2.022111.184956	02/21/11 18:49	02
SITE #1-2-16-11-FB	L11020447-05	P2.022111.185639	02/21/11 18:56	02

Report Name: BLANK_SUMMARY
PDF File ID: 1924602
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG356956
Blank File ID: P2.022111.184317
Blank Sample ID: WG356895-02
Prep Date: 02/18/11 06:36
Instrument ID: PE-ICP2
Analyzed Date: 02/21/11 18:43
Method: 6010B
Analyst: PDM

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356895-03	P2.021811.163738	02/18/11 16:37	01
SITE #1-2-16-11-FB	L11020447-05	P2.021811.164428	02/18/11 16:44	01
LCS	WG356895-03	P2.022111.184956	02/21/11 18:49	02
SITE #1-2-16-11-FB	L11020447-05	P2.022111.185639	02/21/11 18:56	02

Report Name: BLANK_SUMMARY
PDF File ID: 1924602
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number:L11020447 Prep Date:02/17/11 14:50 Sample ID:WG356852-02
Instrument ID:ICP-THERMO2 Run Date:02/18/11 11:16 Prep Method:3051A
File ID:T2.021811.111609 Analyst:JYH Method:6010B
Workgroup (AAB#):WG356945 Matrix:Soil Units:mg/kg
Contract #: Cal ID:ICP-TH-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	10.0	20.0	10.0	1	U
Antimony, Total	0.500	1.00	0.500	1	U
Barium, Total	0.250	0.500	0.250	1	U
Beryllium, Total	0.250	0.500	0.250	1	U
Cadmium, Total	0.250	0.500	0.250	1	U
Calcium, Total	5.00	10.0	5.00	1	U
Chromium, Total	0.500	1.00	0.500	1	U
Cobalt, Total	0.500	1.00	0.500	1	U
Copper, Total	0.500	1.00	0.500	1	U
Iron, Total	1.50	3.00	1.50	1	U
Magnesium, Total	12.5	25.0	12.5	1	U
Manganese, Total	0.250	0.500	0.250	1	U
Nickel, Total	1.00	2.00	1.00	1	U
Potassium, Total	25.0	50.0	25.0	1	U
Silver, Total	1.00	2.00	1.00	1	U
Sodium, Total	12.5	25.0	12.5	1	U
Vanadium, Total	0.250	0.500	0.250	1	U
Zinc, Total	0.500	1.00	0.500	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1923853
22-FEB-2011 14:23

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number:L11020447 Prep Date:02/18/11 06:36 Sample ID:WG356895-02
Instrument ID:PE-ICP2 Run Date:02/18/11 16:31 Prep Method:3005A
File ID:P2.021811.163101 Analyst:PDM Method:6010B
Workgroup (AAB#):WG356956 Matrix:Water Units:mg/L
Contract #: Cal ID:PE-ICP-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Aluminum, Total	0.0500	0.100	0.0500	1	U
Arsenic, Total	0.00500	0.0100	0.00500	1	U
Barium, Total	0.00500	0.0100	0.00500	1	U
Beryllium, Total	0.00500	0.0100	0.00500	1	U
Cadmium, Total	0.00500	0.0100	0.00500	1	U
Chromium, Total	0.0100	0.0200	0.0100	1	U
Cobalt, Total	0.0100	0.0200	0.0100	1	U
Copper, Total	0.0100	0.0200	0.0100	1	U
Iron, Total	0.0500	0.100	0.0500	1	U
Lead, Total	0.00250	0.00500	0.00250	1	U
Magnesium, Total	0.250	0.500	0.250	1	U
Manganese, Total	0.00500	0.0100	0.00500	1	U
Nickel, Total	0.0200	0.0400	0.0200	1	U
Potassium, Total	0.500	1.00	0.500	1	U
Silver, Total	0.00500	0.0100	0.00500	1	U
Sodium, Total	0.250	0.500	0.250	1	U
Vanadium, Total	0.00500	0.0100	0.00500	1	U
Zinc, Total	0.0100	0.0200	0.0100	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1924603
22-FEB-2011 09:35

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 06:36 Sample ID: WG356895-02
Instrument ID: PE-ICP2 Run Date: 02/21/11 18:43 Prep Method: 3005A
File ID: P2.022111.184317 Analyst: PDM Method: 6010B
Workgroup (AAB#): WG356956 Matrix: Water Units: mg/L
Contract #: Cal ID: PE-ICP-21-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Calcium, Total	0.100	0.200	0.100	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1924603
22-FEB-2011 09:35

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356852-03
Instrument ID: ICP-THERMO2 Run Time: 11:19 Prep Method: 3051A
File ID: T2.021811.111951 Analyst: JYH Method: 6010B
Workgroup (AAB#): WG356945 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD39933 Cal ID: ICP-TH-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	250	221	88.4	80 - 120	
Antimony, Total	30.0	27.3	90.9	80 - 120	
Barium, Total	25.0	23.7	94.8	80 - 120	
Beryllium, Total	1.25	1.16	92.5	80 - 120	
Cadmium, Total	1.25	1.16	92.7	80 - 120	
Calcium, Total	250	236	94.3	80 - 120	
Chromium, Total	12.5	11.7	93.3	80 - 120	
Cobalt, Total	5.00	4.79	95.8	80 - 120	
Copper, Total	12.5	11.7	93.4	80 - 120	
Iron, Total	100	93.2	93.2	80 - 120	
Magnesium, Total	250	237	94.8	80 - 120	
Manganese, Total	12.5	11.8	94.6	80 - 120	
Nickel, Total	12.5	11.9	95.4	80 - 120	
Potassium, Total	1250	1180	94.3	80 - 120	
Silver, Total	10.0	9.11	91.1	75 - 120	
Sodium, Total	1250	1220	97.3	80 - 120	
Vanadium, Total	25.0	24.0	95.8	80 - 120	
Zinc, Total	25.0	23.7	94.6	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1923854
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356895-03
Instrument ID: PE-ICP2 Run Time: 16:37 Prep Method: 3005A
File ID: P2.021811.163738 Analyst: PDM Method: 6010B
Workgroup (AAB#): WG356956 Matrix: Water Units: mg/L
QC Key: DOD4 Lot#: STD39933 Cal ID: PE-ICP-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Aluminum, Total	5.00	5.12	102	80 - 120	
Arsenic, Total	0.200	0.195	97.7	80 - 120	
Barium, Total	0.500	0.486	97.2	80 - 120	
Beryllium, Total	0.0250	0.0255	102	80 - 120	
Cadmium, Total	0.0250	0.0240	96.1	80 - 120	
Chromium, Total	0.250	0.240	95.9	80 - 120	
Cobalt, Total	0.100	0.0938	93.8	80 - 120	
Copper, Total	0.250	0.255	102	80 - 120	
Iron, Total	2.00	1.89	94.6	80 - 120	
Lead, Total	0.250	0.242	97.0	80 - 120	
Magnesium, Total	5.00	4.84	96.8	80 - 120	
Manganese, Total	0.250	0.248	99.3	80 - 120	
Nickel, Total	0.250	0.241	96.6	80 - 120	
Potassium, Total	25.0	25.0	100	80 - 120	
Silver, Total	0.200	0.201	100	80 - 120	
Sodium, Total	25.0	25.2	101	80 - 120	
Vanadium, Total	0.500	0.477	95.4	80 - 120	
Zinc, Total	0.500	0.480	95.9	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1924604
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG356895-03
Instrument ID: PE-ICP2 Run Time: 18:49 Prep Method: 3005A
File ID: P2.022111.184956 Analyst: PDM Method: 6010B
Workgroup (AAB#): WG356956 Matrix: Water Units: mg/L
QC Key: DOD4 Lot#: STD39933 Cal ID: PE-ICP-21-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Calcium, Total	5.00	5.09	102	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1924604
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11020447 Cal ID: ICP-THERMO2- 18-FEB-11 Worknum:WG356945

Instrument ID:ICP-THERMO2 Contract #: Prep Method:3051A

Parent ID:L11020447-01 File ID:T2.021811.112321 Dil:1 Method:6010B

Sample ID:L11020447-03 MS File ID:T2.021811.113036 Dil:1 Matrix:Soil

Sample ID:L11020447-04 MSD File ID:T2.021811.113409 Dil:1 Units:mg/kg

Percent Solid:84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	5150	217	5250	42.6	217	5170	8.6	1.42	80 - 120	20	*
Antimony, Total	U	26.1	21.4	82.2	26.1	21.2	81.2	1.30	80 - 120	20	
Barium, Total	56.6	21.7	70.5	64	21.7	63.7	32.6	10.1	80 - 120	20	*
Beryllium, Total	0.480	1.09	1.33	77.8	1.09	1.26	72.1	4.77	80 - 120	20	*
Cadmium, Total	U	1.09	0.984	90.6	1.09	0.969	89.2	1.47	80 - 120	20	
Chromium, Total	9.93	10.9	18.3	77	10.9	16.9	64.1	7.99	80 - 120	20	*
Cobalt, Total	9.21	4.34	11.8	59.2	4.34	9.61	9.05	20.4	80 - 120	20	*#
Copper, Total	10.6	10.9	19.3	79.5	10.9	16.8	56.3	14.0	80 - 120	20	*
Iron, Total	16400	86.9	15100	-1500	86.9	12200	-4870	21.5	80 - 120	20	*#
Magnesium, Total	590	217	738	68.1	217	682	42.4	7.87	80 - 120	20	*
Nickel, Total	6.28	10.9	15.5	85.2	10.9	13.9	69.8	11.4	80 - 120	20	*
Potassium, Total	344	1090	1230	81.4	1090	1180	77	3.91	80 - 120	20	*
Silver, Total	U	8.69	7.19	82.8	8.69	7.22	83.1	0.470	75 - 120	20	
Sodium, Total	U	1090	969	89.3	1090	957	88.1	1.28	80 - 120	20	
Vanadium, Total	23.7	21.7	41.3	81	21.7	38.1	66.5	7.97	80 - 120	20	*
Zinc, Total	18.0	21.7	35.0	78.2	21.7	32.4	66.3	7.69	80 - 120	20	*

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008

PDF File ID: 1923855

Report generated 02/23/2011 16:25

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11020447 Cal ID: ICP-THERMO2- 18-FEB-11 Worknum:WG356945
Instrument ID:ICP-THERMO2 Contract #: Prep Method:3051A
Parent ID:L11020447-01 File ID:T2.021811.121711 Dil:20 Method:6010B
Sample ID:L11020447-03 MS File ID:T2.021811.122420 Dil:20 Matrix:Soil
Sample ID:L11020447-04 MSD File ID:T2.021811.122753 Dil:20 Units:mg/kg
Percent Solid:84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Calcium, Total	828	217	1030	93.7	217	1160	151	11.4	80 - 120	20	*
Manganese, Total	670	10.9	713	393	10.9	567	-950	22.8	80 - 120	20	*#

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1923855
Report generated 02/23/2011 16:25

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11020447 Cal ID:PE-ICP2- Worknum:WG356956
Instrument ID:PE-ICP2 Contract #: Method:6010B
Parent ID:WG356895-01 File ID:P2.021811.164428 Dil:1 Matrix:WATER
Sample ID:WG356895-04 MS File ID:P2.021811.165107 Dil:1 Units:mg/L
Sample ID:WG356895-05 MSD File ID:P2.021811.165751 Dil:1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Aluminum, Total	ND	5.00	5.23	105	5.00	5.25	105	0.237	80 - 120	20	
Arsenic, Total	ND	0.200	0.200	100	0.200	0.195	97.5	2.60	80 - 120	20	
Barium, Total	ND	0.500	0.485	97.0	0.500	0.497	99.5	2.58	80 - 120	20	
Beryllium, Total	ND	0.0250	0.0255	102	0.0250	0.0258	103	1.18	80 - 120	20	
Cadmium, Total	ND	0.0250	0.0247	98.7	0.0250	0.0246	98.3	0.410	80 - 120	20	
Chromium, Total	ND	0.250	0.241	96.4	0.250	0.245	98.2	1.77	80 - 120	20	
Cobalt, Total	ND	0.100	0.0961	96.1	0.100	0.0960	96.0	0.0922	80 - 120	20	
Copper, Total	ND	0.250	0.253	101	0.250	0.257	103	1.25	80 - 120	20	
Iron, Total	ND	2.00	1.88	94.0	2.00	1.85	92.7	1.43	80 - 120	20	
Lead, Total	ND	0.250	0.248	99.0	0.250	0.249	99.5	0.496	80 - 120	20	
Magnesium, Total	ND	5.00	4.83	96.6	5.00	4.77	95.3	1.26	80 - 120	20	
Manganese, Total	ND	0.250	0.246	98.4	0.250	0.251	100	2.04	80 - 120	20	
Nickel, Total	ND	0.250	0.244	97.5	0.250	0.246	98.5	0.973	80 - 120	20	
Potassium, Total	ND	25.0	25.4	102	25.0	25.1	101	1.09	80 - 120	20	
Silver, Total	ND	0.200	0.201	100	0.200	0.203	101	0.959	80 - 120	20	
Sodium, Total	ND	25.0	25.5	102	25.0	25.4	102	0.363	80 - 120	20	
Vanadium, Total	ND	0.500	0.477	95.5	0.500	0.488	97.6	2.14	80 - 120	20	
Zinc, Total	ND	0.500	0.480	96.1	0.500	0.488	97.6	1.60	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008
PDF File ID:1924605
Report generated 02/23/2011 16:25

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11020447 Cal ID:PE-ICP2- Worknum:WG356956
Instrument ID:PE-ICP2 Contract #: Method:6010B
Parent ID:WG356895-01 File ID:P2.022111.185639 Dil:1 Matrix:WATER
Sample ID:WG356895-04 MS File ID:P2.022111.191640 Dil:1 Units:mg/L
Sample ID:WG356895-05 MSD File ID:P2.022111.192321 Dil:1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Calcium, Total	ND	5.00	4.95	99.1	5.00	4.94	98.8	0.326	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008
PDF File ID:1924605
Report generated 02/23/2011 16:25

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11020447 **Worknum:** WG356945
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG356945-02 **File ID:** T2.021811.114504 **Dil:** 5 **Units:** mg/L
Sample: L11020447-06 **File ID:** T2.021811.113741 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	295		353.5		19.80	E
Antimony	.0221	X	ND	U		
Barium	.36		.3655		1.53	
Beryllium	.0127	X	ND	U		
Cadmium	ND	U	ND	U		
Calcium	5.8		6		3.45	
Chromium	.74		.775		4.73	
Cobalt	.0789	X	.085	F	7.73	
Copper	.605		.645		6.61	
Iron	1050		1135		8.10	
Magnesium	14.7		15.65		6.46	
Manganese	.999		1.035		3.60	
Nickel	.311	X	.3395	X	9.16	
Potassium	8.64	X	8.65	X	0.12	
Silver	ND	U	ND	U		
Sodium	ND	U	ND	U		
Vanadium	1.82		1.875		3.02	
Zinc	.295	X	.3165	X	7.29	

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1923849
02/22/2011 14:23

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11020447 **Worknum:** WG356945
Instrument: ICP-THERMO2 **Method:** 6010B
Serial Dil: WG356945-02 **File ID:** T2.021811.124552 **Dil:** 100 **Units:** mg/L
Sample: L11020447-06 **File ID:** T2.021811.123844 **Dil:** 20

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	400		396		1.00	
Antimony	ND	U	ND	U		
Barium	.4	X	ND	U		
Beryllium	ND	U	ND	U		
Cadmium	ND	U	ND	U		
Calcium	5.92	X	ND	U		
Chromium	.832	X	ND	U		
Cobalt	ND	U	ND	U		
Copper	.674	X	ND	U		
Iron	1218		1210		0.66	
Magnesium	17.08	X	ND	U		
Manganese	1.114	X	1.12	X	0.54	
Nickel	ND	U	ND	U		
Potassium	ND	U	ND	U		
Silver	ND	U	ND	U		
Sodium	ND	U	ND	U		
Vanadium	2	X	2.01	X	0.50	
Zinc	.366	F	ND	U		

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1923849
02/22/2011 14:23

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11020447 **Worknum:** WG356956
Instrument: PE-ICP2 **Method:** 6010B
Serial Dil: WG356956-02 **File ID:** P2.021811.171751 **Dil:** 5 **Units:** mg/L
Sample: L11020453-01 **File ID:** P2.021811.170431 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	ND	U	ND	U		
Arsenic	ND	U	ND	U		
Barium	ND	U	ND	U		
Beryllium	ND	U	ND	U		
Cadmium	ND	U	ND	U		
Calcium	ND	U	ND	U		
Chromium	ND	U	ND	U		
Cobalt	ND	U	ND	U		
Copper	ND	U	ND	U		
Iron	ND	U	ND	U		
Lead	ND	U	ND	U		
Magnesium	ND	U	ND	U		
Manganese	ND	U	ND	U		
Nickel	ND	U	ND	U		
Potassium	ND	U	ND	U		
Silver	ND	U	ND	U		
Sodium	.326	F	ND	U		
Vanadium	ND	U	ND	U		
Zinc	ND	U	ND	U		

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1924599
02/22/2011 09:35

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11020447 **Worknum:** WG356956
Instrument: PE-ICP2 **Method:** 6010B
Serial Dil: WG356956-04 **File ID:** P2.022111.191002 **Dil:** 5 **Units:** mg/L
Sample: L11020447-05 **File ID:** P2.022111.185639 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Aluminum	ND	U	ND	U		
Arsenic	ND	U	ND	U		
Barium	ND	U	ND	U		
Beryllium	ND	U	ND	U		
Cadmium	ND	U	ND	U		
Calcium	ND	U	ND	U		
Chromium	ND	U	ND	U		
Cobalt	ND	U	ND	U		
Copper	ND	U	ND	U		
Iron	ND	U	ND	U		
Lead	ND	U	ND	U		
Magnesium	ND	U	ND	U		
Manganese	ND	U	ND	U		
Nickel	ND	U	ND	U		
Potassium	ND	U	ND	U		
Silver	ND	U	ND	U		
Sodium	ND	U	ND	U		
Vanadium	ND	U	ND	U		
Zinc	ND	U	ND	U		

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 50 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 50 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1924599
02/22/2011 09:35

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356945
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG356945-01 **File ID:** T2.021811.114121 **Dil:** 1 **Units:** mg/L
Sample ID: L11020447-06 **File ID:** T2.021811.113741 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	260		295		5	-112.4	75 - 125	N
ANTIMONY	0.555		0.0221		.6	89.1	75 - 125	
BARIUM	0.790		0.360		.5	93.3	75 - 125	
BERYLLIUM	0.0337		0.0127		.025	89.1	75 - 125	
CADMIUM	0.0242		0	U	.025	96.8	75 - 125	
CALCIUM	9.89		5.80		5	93.5	75 - 125	
CHROMIUM	0.856		0.740		.25	75.9	75 - 125	
COBALT	0.161		0.0789		.1	90.4	75 - 125	
COPPER	0.762		0.605		.25	86.8	75 - 125	
IRON	960		1050		2	694.5	75 - 125	N
MAGNESIUM	17.7		14.7		5	88.0	75 - 125	
MANGANESE	1.12		0.999		.25	89.0	75 - 125	
NICKEL	0.506		0.311		.25	90.2	75 - 125	
POTASSIUM	31.2		8.64		25	93.5	75 - 125	
SILVER	0.191		0	U	.2	95.7	75 - 125	
SODIUM	24.2		0	U	25	96.8	75 - 125	
VANADIUM	2.04		1.82		.5	80.9	75 - 125	
ZINC	0.718		0.295		.5	90.5	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1923850
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356945
Instrument ID: ICP-THERMO2 **Method:** 6010B
Post Spike ID: WG356945-01 **File ID:** T2.021811.124222 **Dil:** 20 **Units:** mg/L
Sample ID: L11020447-06 **File ID:** T2.021811.123844 **Dil:** 20 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	24.0		20.0		5	78.1	75 - 125	
ANTIMONY	0.626		0	U	.6	104.4	75 - 125	
BARIUM	0.528		0.0200		.5	101.7	75 - 125	
BERYLLIUM	0.0261		0	U	.025	104.4	75 - 125	
CADMIUM	0.0264		0	U	.025	105.7	75 - 125	
CALCIUM	5.39		0.296		5	101.8	75 - 125	
CHROMIUM	0.290		0.0416		.25	99.4	75 - 125	
COBALT	0.110		0	U	.1	110.1	75 - 125	
COPPER	0.296		0.0337		.25	104.7	75 - 125	
IRON	61.9		60.9		2	50.6	75 - 125	N
MAGNESIUM	5.99		0.854		5	102.7	75 - 125	
MANGANESE	0.309		0.0557		.25	101.2	75 - 125	
NICKEL	0.281		0	U	.25	112.6	75 - 125	
POTASSIUM	26.1		0	U	25	104.2	75 - 125	
SILVER	0.209		0	U	.2	104.5	75 - 125	
SODIUM	26.4		0	U	25	105.6	75 - 125	
VANADIUM	0.607		0.100		.5	101.3	75 - 125	
ZINC	0.545		0.0183	F	.5	105.3	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1923850
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356956
Instrument ID: PE-ICP2 **Method:** 6010B
Post Spike ID: WG356956-01 **File ID:** P2.021811.171112 **Dil:** 1 **Units:** mg/L
Sample ID: L11020453-01 **File ID:** P2.021811.170431 **Dil:** 1 **Matrix:** Water

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	5.17		0	U	5	103.4	75 - 125	
ARSENIC	0.195		0	U	.2	97.4	75 - 125	
BARIUM	0.480		0	U	.5	96.0	75 - 125	
BERYLLIUM	0.0253		0	U	.025	101.3	75 - 125	
CADMIUM	0.0240		0	U	.025	95.9	75 - 125	
CALCIUM	5.11		0	U	5	102.1	75 - 125	
CHROMIUM	0.236		0	U	.25	94.4	75 - 125	
COBALT	0.0937		0	U	.1	93.7	75 - 125	
COPPER	0.255		0	U	.25	102.2	75 - 125	
IRON	1.88		0	U	2	94.1	75 - 125	
LEAD	0.242		0	U	.25	96.7	75 - 125	
MAGNESIUM	4.81		0	U	5	96.2	75 - 125	
MANGANESE	0.245		0	U	.25	98.1	75 - 125	
NICKEL	0.239		0	U	.25	95.5	75 - 125	
POTASSIUM	24.8		0	U	25	99.3	75 - 125	
SILVER	0.200		0	U	.2	100.0	75 - 125	
SODIUM	25.3		0.326	F	25	99.9	75 - 125	
VANADIUM	0.470		0	U	.5	94.0	75 - 125	
ZINC	0.475		0	U	.5	95.0	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1924600
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356956
Instrument ID: PE-ICP2 **Method:** 6010B
Post Spike ID: WG356956-03 **File ID:** P2.022111.190320 **Dil:** 1 **Units:** mg/L
Sample ID: L11020447-05 **File ID:** P2.022111.185639 **Dil:** 1 **Matrix:** Water

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ALUMINUM	5.44		0	U	5	108.9	75 - 125	
ARSENIC	0.190		0	U	.2	94.8	75 - 125	
BARIUM	0.516		0	U	.5	103.3	75 - 125	
BERYLLIUM	0.0249		0	U	.025	99.7	75 - 125	
CADMIUM	0.0242		0	U	.025	97.0	75 - 125	
CALCIUM	5.03		0	U	5	100.5	75 - 125	
CHROMIUM	0.256		0	U	.25	102.5	75 - 125	
COBALT	0.0998		0	U	.1	99.9	75 - 125	
COPPER	0.252		0	U	.25	100.9	75 - 125	
IRON	2.19		0	U	2	109.7	75 - 125	
LEAD	0.263		0	U	.25	105.2	75 - 125	
MAGNESIUM	5.51		0	U	5	110.2	75 - 125	
MANGANESE	0.262		0	U	.25	105.0	75 - 125	
NICKEL	0.258		0	U	.25	103.1	75 - 125	
POTASSIUM	26.7		0	U	25	106.7	75 - 125	
SILVER	0.199		0	U	.2	99.7	75 - 125	
SODIUM	26.6		0	U	25	106.6	75 - 125	
VANADIUM	0.509		0	U	.5	101.7	75 - 125	
ZINC	0.512		0	U	.5	102.4	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1924600
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11020447**	Workgroup (AAB#):	**WG356945**
Analytical Method:	**6010B**	Instrument ID:	**ICP-THERMO2**
ICAL Worknum:	**WG357012**	Initial Calibration Date:	**18-FEB-2011 10:50**

	WG357012-01		WG357012-02		WG357012-03		WG357012-04		WG357012-05			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ALUMINUM	0	0.00907	.1	0.0143	.2	0.0185	10	0.459	20	0.890	.999883	
ANTIMONY	0	0.0000500	.012	0.000110	.024	0.000200	1.2	0.00928	2.4	0.0179	.999648	
BARIUM	0	0.00313	.01	0.00704	.02	0.0105	1	0.369	2	0.713	.999879	
BERYLLIUM	0	-0.00114	.0005	0.000320	.001	0.00165	.05	0.140	.1	0.281	.999998	
CADMIUM	0	0.0000500	.0005	0.000120	.001	0.000200	.05	0.00861	.1	0.0167	.999839	
CALCIUM	0	-0.00129	.1	-0.000640	.2	-0.0000400	10	0.0658	20	0.128	.999873	
CHROMIUM	0	0.000750	.005	0.00168	.01	0.00257	.5	0.0922	1	0.181	.999977	
COBALT	0	-0.0000100	.002	0.000300	.004	0.000600	.2	0.0294	.4	0.0566	.999817	
COPPER	0	0.000180	-1	0.000360	.01	0.000600	.5	0.0200	1	0.0383	.999792	
IRON	0	0.0000200	.04	0.000310	.08	0.000610	4	0.0300	8	0.0579	.999854	
MAGNESIUM	0	0	.1	0.000300	.2	0.000510	10	0.0239	20	0.0460	.999695	
MANGANESE	0	0.0000600	.005	0.000460	.01	0.000920	.5	0.0420	1	0.0809	.999844	
NICKEL	0	-0.000270	.005	-0.000130	.01	0	.5	0.0139	1	0.0270	.999811	
POTASSIUM	0	0.00239	.5	0.00420	1	0.00634	50	0.201	100	0.388	.999878	
SILVER	0	0.000340	20	0.00126	.008	0.00196	.4	0.0726	.8	0.142	.999775	
SODIUM	0	-0.00183	.5	0.00441	1	0.0114	50	0.667	100	1.29	.999842	
VANADIUM	0	0	.01	0.00271	.02	0.00510	1	0.263	2	0.520	.999976	
ZINC	0	-0.0000900	.01	0.00148	.02	0.00306	1	0.159	2	0.308	.999881	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1923859
Report generated: 22-FEB-2011 14:23

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11020447**	Workgroup (AAB#):	**WG356956**
Analytical Method:	**6010B**	Instrument ID:	**PE-ICP2**
ICAL Worknum:	**WG357093**	Initial Calibration Date:	**18-FEB-2011 14:54**

	WG357093-01		WG357093-02		WG357093-03		WG357093-04		WG357093-05			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ALUMINUM	0	-234	.1	533	.2	1030	10	50700	20	98100	.999871	
ARSENIC	0	2.57	NA	NA	.008	8.72	.4	436	.8	877	.999996	
BARIUM	0	-52.6	.01	601	.02	1200	1	59200	2	118000	.999987	
BERYLLIUM	0	-599	.0005	300	.001	590	.05	29500	.1	58900	.999992	
CADMIUM	0	24.6	.0005	6.14	.001	16.8	.05	884	.1	1770	.998288	
CALCIUM	0	-43.1	NA	NA	.2	26.8	10	1060	20	2140	.999985	
CHROMIUM	0	-69.5	.005	616	.01	1200	.5	56600	1	112000	.999931	
COBALT	0	-21.2	.002	35.7	.004	77.5	.1	3890	.4	7700	.999732	
COPPER	0	-1330	.005	764	.01	1490	.5	72200	1	144000	.999999	
IRON	0	1.32	.04	20.1	.08	39.4	4	1830	8	3680	.999874	
LEAD	0	38.4	.005	29.6	.01	59.0	.5	2980	1	5900	.99999	
MAGNESIUM	0	12.0	.1	85.2	.2	167	10	8200	20	16500	.999997	
MANGANESE	0	125	.005	2330	.01	4570	.5	223000	1	440000	.999968	
NICKEL	0	2.37	.005	168	.01	349	.5	17100	1	34100	.999864	
POTASSIUM	0	236	.5	1260	1	2560	50	130000	100	256000	1	
SILVER	0	-1040	.004	708	.008	1570	.4	80000	.8	160000	.99976	
SODIUM	0	1450	.5	6790	1	13900	50	676000	100	1320000	1	
VANADIUM	0	4300	.01	1310	.02	2810	1	149000	2	299000	.999995	
ZINC	0	3.73	.01	341	.02	676	1	33000	2	65900	.99999	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1924608
Report generated: 22-FEB-2011 09:35

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11020447**	Workgroup (AAB#):	**WG356956**
Analytical Method:	**6010B**	Instrument ID:	**PE-ICP2**
ICAL Worknum:	**WG357128**	Initial Calibration Date:	**21-FEB-2011 12:22**

	WG357128-01		WG357128-02		WG357128-03		WG357128-04		WG357128-05			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ALUMINUM	0	-140	.1	493	.2	1000	10	51900	20	102000	.999939	
ARSENIC	0	1.94	NA	NA	.008	8.89	.4	422	.8	857	.999969	
BARIUM	0	-52.6	.01	587	.02	1170	1	57200	2	114000	.999977	
BERYLLIUM	0	-575	.0005	284	.001	562	.05	28500	.1	57100	.999971	
CADMIUM	0	20.4	.0005	10.9	.001	18.5	.05	867	.1	1750	.999187	
CALCIUM	0	-38.4	NA	NA	.2	16.7	10	1030	20	2120	.999925	
CHROMIUM	0	-44.6	.005	571	.01	1170	.5	55700	1	111000	.999776	
COBALT	0	-24.7	.002	38.5	.004	73.8	.1	3760	.4	7550	.999833	
COPPER	0	-1310	.005	695	.01	1380	.5	72200	1	144000	.999917	
IRON	0	4.34	.04	17.2	.08	34.1	4	1810	8	3720	.999646	
LEAD	0	32.4	.005	40.5	.01	59.6	.5	2850	1	5730	.995164	
MAGNESIUM	0	16.1	.1	69.0	.2	153	10	8160	20	16800	.999896	
MANGANESE	0	188	.005	2260	.01	4480	.5	219000	1	435000	.999983	
NICKEL	0	0.854	.005	161	.01	334	.5	16700	1	33300	.999931	
POTASSIUM	0	91.5	.5	1420	1	2750	50	133000	100	267000	1	
SILVER	0	-1450	.004	922	.008	1770	.4	79900	.8	159000	.999852	
SODIUM	0	-15.5	.5	7060	1	14300	50	686000	100	1370000	1	
VANADIUM	0	4510	.01	1410	.02	2870	1	146000	2	295000	.999993	
ZINC	0	17.7	.01	316	.02	639	1	31600	2	63500	.999981	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1924608
Report generated: 22-FEB-2011 09:35

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-07
Instrument ID: ICP-THERMO2 Run Time: 10:57 Method: 6010B
File ID: T2.021811.105753 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG356945 Cal ID: ICP-THERI - 18-FEB-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.2	.4	.2	U
ANTIMONY	.01	.02	.01	U
BARIUM	.005	.01	.005	U
BERYLLIUM	.005	.01	.005	U
CADMIUM	.005	.01	.005	U
CALCIUM	.1	.2	.1	U
CHROMIUM	.01	.02	.01	U
COBALT	.01	.02	.01	U
COPPER	.01	.02	.01	U
IRON	.03	.06	.03	U
MAGNESIUM	.25	.5	.25	U
MANGANESE	.005	.01	.005	U
NICKEL	.02	.04	.02	U
POTASSIUM	.5	1	.5	U
SILVER	.02	.04	.02	U
SODIUM	.25	.5	.25	U
VANADIUM	.005	.01	.005	U
ZINC	.01	.02	.01	U

U = Result is less than 2 x MDL

F = Result is between MDL and 2 x MDL

* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1923861
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-07
Instrument ID: PE-ICP2 Run Time: 15:08 Method: 6010B
File ID: P2.021811.150801 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG356956 Cal ID: PE-ICP2 - 18-FEB-11
Matrix: WATER

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.05	.1	.05	U
ARSENIC	.005	.01	.005	U
BARIUM	.005	.01	.005	U
BERYLLIUM	.005	.01	.005	U
CADMIUM	.005	.01	.005	U
CALCIUM	.1	.2	.1	U
CHROMIUM	.01	.02	.01	U
COBALT	.01	.02	.01	U
COPPER	.01	.02	.01	U
IRON	.05	.1	.05	U
LEAD	.0025	.005	.0025	U
MAGNESIUM	.25	.5	.25	U
MANGANESE	.005	.01	.005	U
NICKEL	.02	.04	.02	U
POTASSIUM	.5	1	.5	U
SILVER	.005	.01	.005	U
SODIUM	.25	.5	.25	U
VANADIUM	.005	.01	.005	U
ZINC	.01	.02	.01	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1924610
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-07
Instrument ID: PE-ICP2 Run Time: 12:35 Method: 6010B
File ID: P2.022111.123559 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG356956 Cal ID: PE-ICP2 - 21-FEB-11
Matrix: WATER

Analytes	MDL	RDL	Concentration	Qualifier
ALUMINUM	.05	.1	.05	U
ARSENIC	.005	.01	.005	U
BARIUM	.005	.01	.005	U
BERYLLIUM	.005	.01	.005	U
CADMIUM	.005	.01	.005	U
CALCIUM	.1	.2	.1	U
CHROMIUM	.01	.02	.01	U
COBALT	.01	.02	.01	U
COPPER	.01	.02	.01	U
IRON	.05	.1	.05	U
LEAD	.0025	.005	.0025	U
MAGNESIUM	.25	.5	.25	U
MANGANESE	.005	.01	.005	U
NICKEL	.02	.04	.02	U
POTASSIUM	.5	1	.5	U
SILVER	.005	.01	.005	U
SODIUM	.25	.5	.25	U
VANADIUM	.005	.01	.005	U
ZINC	.01	.02	.01	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1924610
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-11

Instrument ID: ICP-THERMO2 Run Time: 11:12 Method: 6010B

File ID: T2.021811.111229 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.0200	0.0400	0.0200	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923864
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-13
Instrument ID: ICP-THERMO2 Run Time: 11:55 Method: 6010B
File ID: T2.021811.115549 Analyst: JYH Units: mg/L
Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11
Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.0200	0.0400	0.0200	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923864
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-16

Instrument ID: ICP-THERMO2 Run Time: 12:35 Method: 6010B

File ID: T2.021811.123502 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.0200	0.0400	0.0200	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923864
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-18

Instrument ID: ICP-THERMO2 Run Time: 13:11 Method: 6010B

File ID: T2.021811.131141 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.200	0.400	0.200	U
Antimony	0.0100	0.0200	0.0100	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0300	0.0600	0.0300	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.0200	0.0400	0.0200	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923864
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-12
Instrument ID: PE-ICP2 Run Time: 15:39 Method: 6010B
File ID: P2.021811.153917 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11
Matrix: WATER QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.0500	0.100	0.0500	U
Arsenic	0.00500	0.0100	0.00500	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	-0.104	F
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0500	0.100	0.0500	U
Lead	0.00250	0.00500	0.00250	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.00500	0.0100	0.00500	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924613
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-15

Instrument ID: PE-ICP2 Run Time: 16:24 Method: 6010B

File ID: P2.021811.162424 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11

Matrix: WATER QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.0500	0.100	0.0500	U
Arsenic	0.00500	0.0100	0.00500	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0500	0.100	0.0500	U
Lead	0.00250	0.00500	0.00250	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.00500	0.0100	0.00500	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924613
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-17

Instrument ID: PE-ICP2 Run Time: 17:44 Method: 6010B

File ID: P2.021811.174427 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11

Matrix: WATER QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.0500	0.100	0.0500	U
Arsenic	0.00500	0.0100	0.00500	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0500	0.100	0.0500	U
Lead	0.00250	0.00500	0.00250	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.00500	0.0100	0.00500	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924613
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-12
Instrument ID: PE-ICP2 Run Time: 13:07 Method: 6010B
File ID: P2.022111.130723 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11
Matrix: WATER QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.0500	0.100	0.0500	U
Arsenic	0.00500	0.0100	0.00500	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0500	0.100	0.0500	U
Lead	0.00250	0.00500	0.00250	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.00500	0.0100	0.00500	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924613
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-25
Instrument ID: PE-ICP2 Run Time: 18:30 Method: 6010B
File ID: P2.022111.183001 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11
Matrix: WATER QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.0500	0.100	0.0500	U
Arsenic	0.00500	0.0100	0.00500	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0500	0.100	0.0500	U
Lead	0.00250	0.00500	0.00250	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.00500	0.0100	0.00500	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924613
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-28
Instrument ID: PE-ICP2 Run Time: 19:36 Method: 6010B
File ID: P2.022111.193641 Analyst: PDM Units: mg/L
Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11
Matrix: WATER QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Aluminum	0.0500	0.100	0.0500	U
Arsenic	0.00500	0.0100	0.00500	U
Barium	0.00500	0.0100	0.00500	U
Beryllium	0.00500	0.0100	0.00500	U
Cadmium	0.00500	0.0100	0.00500	U
Calcium	0.100	0.200	0.100	U
Chromium	0.0100	0.0200	0.0100	U
Cobalt	0.0100	0.0200	0.0100	U
Copper	0.0100	0.0200	0.0100	U
Iron	0.0500	0.100	0.0500	U
Lead	0.00250	0.00500	0.00250	U
Magnesium	0.250	0.500	0.250	U
Manganese	0.00500	0.0100	0.00500	U
Nickel	0.0200	0.0400	0.0200	U
Potassium	0.500	1.00	0.500	U
Silver	0.00500	0.0100	0.00500	U
Sodium	0.250	0.500	0.250	U
Vanadium	0.00500	0.0100	0.00500	U
Zinc	0.0100	0.0200	0.0100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924613
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-06

Instrument ID: ICP-THERMO2 Run Time: 10:54 Method: 6010B

File ID: T2.021811.105422 Analyst: JYH Units: mg/L

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	9.60	96.0	90 - 110	
Antimony		1.2	1.12	93.4	90 - 110	
Barium		1	0.958	95.8	90 - 110	
Beryllium		.05	0.0488	97.7	90 - 110	
Cadmium		.05	0.0482	96.3	90 - 110	
Calcium		10	9.51	95.1	90 - 110	
Chromium		.5	0.486	97.2	90 - 110	
Cobalt		.2	0.193	96.7	90 - 110	
Copper		.5	0.478	95.5	90 - 110	
Iron		4	3.82	95.4	90 - 110	
Magnesium		10	9.58	95.8	90 - 110	
Manganese		.5	0.475	94.9	90 - 110	
Nickel		.5	0.479	95.8	90 - 110	
Potassium		50	48.3	96.6	90 - 110	
Silver		.4	0.381	95.3	90 - 110	
Sodium		50	46.5	93.1	90 - 110	
Vanadium		1	0.982	98.2	90 - 110	
Zinc		1	0.970	97.0	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1923860

Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-06

Instrument ID: PE-ICP2 Run Time: 15:01 Method: 6010B

File ID: P2.021811.150115 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.1	101	90 - 110	
Arsenic		.4	0.383	95.8	90 - 110	
Barium		1	0.987	98.7	90 - 110	
Beryllium		.05	0.0489	97.8	90 - 110	
Cadmium		.05	0.0473	94.5	90 - 110	
Calcium		10	10.2	102	90 - 110	
Chromium		.5	0.490	98.1	90 - 110	
Cobalt		.2	0.192	95.9	90 - 110	
Copper		.5	0.492	98.4	90 - 110	
Iron		4	3.89	97.3	90 - 110	
Lead		.5	0.502	100	90 - 110	
Magnesium		10	9.80	98.0	90 - 110	
Manganese		.5	0.505	101	90 - 110	
Nickel		.5	0.495	99.0	90 - 110	
Potassium		50	48.7	97.3	90 - 110	
Silver		.4	0.385	96.3	90 - 110	
Sodium		50	47.5	95.0	90 - 110	
Vanadium		1	0.958	95.8	90 - 110	
Zinc		1	0.979	97.9	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1924609

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-06

Instrument ID: PE-ICP2 Run Time: 12:29 Method: 6010B

File ID: P2.022111.122917 Analyst: PDM Units: mg/L

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Aluminum		10	10.1	101	90 - 110	
Arsenic		.4	0.385	96.4	90 - 110	
Barium		1	0.997	99.7	90 - 110	
Beryllium		.05	0.0487	97.4	90 - 110	
Cadmium		.05	0.0488	97.5	90 - 110	
Calcium		10	10.3	103	90 - 110	
Chromium		.5	0.494	98.9	90 - 110	
Cobalt		.2	0.195	97.3	90 - 110	
Copper		.5	0.502	100	90 - 110	
Iron		4	4.00	99.9	90 - 110	
Lead		.5	0.519	104	90 - 110	
Magnesium		10	9.91	99.1	90 - 110	
Manganese		.5	0.508	102	90 - 110	
Nickel		.5	0.498	99.6	90 - 110	
Potassium		50	49.4	98.7	90 - 110	
Silver		.4	0.391	97.7	90 - 110	
Sodium		50	48.2	96.4	90 - 110	
Vanadium		1	0.971	97.1	90 - 110	
Zinc		1	0.980	98.0	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1924609

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-10

Instrument ID: ICP-THERMO2 Run Time: 11:08 Method: 6010B

File ID: T2.021811.110857 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.97	mg/L	99.7	90 - 110		
Antimony		1.20	1.23	mg/L	102	90 - 110		
Barium		1.00	1.02	mg/L	102	90 - 110		
Beryllium		0.0500	0.0490	mg/L	98.0	90 - 110		
Cadmium		0.0500	0.0509	mg/L	102	90 - 110		
Calcium		10.0	10.1	mg/L	101	90 - 110		
Chromium		0.500	0.495	mg/L	98.9	90 - 110		
Cobalt		0.200	0.204	mg/L	102	90 - 110		
Copper		0.500	0.507	mg/L	101	90 - 110		
Iron		4.00	4.07	mg/L	102	90 - 110		
Magnesium		10.0	10.2	mg/L	102	90 - 110		
Manganese		0.500	0.510	mg/L	102	90 - 110		
Nickel		0.500	0.509	mg/L	102	90 - 110		
Potassium		50.0	51.0	mg/L	102	90 - 110		
Silver		0.400	0.395	mg/L	98.8	90 - 110		
Sodium		50.0	51.2	mg/L	102	90 - 110		
Vanadium		1.00	0.985	mg/L	98.5	90 - 110		
Zinc		1.00	1.01	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923863

Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-12

Instrument ID: ICP-THERMO2 Run Time: 11:52 Method: 6010B

File ID: T2.021811.115217 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.48	mg/L	94.8	90 - 110		
Antimony		1.20	1.15	mg/L	96.2	90 - 110		
Barium		1.00	0.950	mg/L	95.0	90 - 110		
Beryllium		0.0500	0.0467	mg/L	93.4	90 - 110		
Cadmium		0.0500	0.0480	mg/L	95.9	90 - 110		
Calcium		10.0	9.52	mg/L	95.2	90 - 110		
Chromium		0.500	0.470	mg/L	94.1	90 - 110		
Cobalt		0.200	0.192	mg/L	96.1	90 - 110		
Copper		0.500	0.477	mg/L	95.4	90 - 110		
Iron		4.00	3.85	mg/L	96.4	90 - 110		
Magnesium		10.0	9.55	mg/L	95.5	90 - 110		
Manganese		0.500	0.480	mg/L	95.9	90 - 110		
Nickel		0.500	0.480	mg/L	96.0	90 - 110		
Potassium		50.0	47.8	mg/L	95.5	90 - 110		
Silver		0.400	0.377	mg/L	94.2	90 - 110		
Sodium		50.0	47.9	mg/L	95.8	90 - 110		
Vanadium		1.00	0.942	mg/L	94.2	90 - 110		
Zinc		1.00	0.950	mg/L	95.0	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923863

Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-15

Instrument ID: ICP-THERMO2 Run Time: 12:31 Method: 6010B

File ID: T2.021811.123131 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	9.64	mg/L	96.4	90 - 110		
Antimony		1.20	1.23	mg/L	102	90 - 110		
Barium		1.00	1.00	mg/L	100	90 - 110		
Beryllium		0.0500	0.0480	mg/L	96.0	90 - 110		
Cadmium		0.0500	0.0504	mg/L	101	90 - 110		
Calcium		10.0	10.0	mg/L	100	90 - 110		
Chromium		0.500	0.480	mg/L	96.0	90 - 110		
Cobalt		0.200	0.202	mg/L	101	90 - 110		
Copper		0.500	0.505	mg/L	101	90 - 110		
Iron		4.00	4.02	mg/L	100	90 - 110		
Magnesium		10.0	9.97	mg/L	99.7	90 - 110		
Manganese		0.500	0.504	mg/L	101	90 - 110		
Nickel		0.500	0.508	mg/L	102	90 - 110		
Potassium		50.0	50.1	mg/L	100	90 - 110		
Silver		0.400	0.390	mg/L	97.6	90 - 110		
Sodium		50.0	50.3	mg/L	101	90 - 110		
Vanadium		1.00	0.970	mg/L	97.0	90 - 110		
Zinc		1.00	0.997	mg/L	99.7	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923863

Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012-17

Instrument ID: ICP-THERMO2 Run Time: 13:08 Method: 6010B

File ID: T2.021811.130809 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356945 Cal ID: ICP-TH - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.0	mg/L	100	90 - 110		
Antimony		1.20	1.23	mg/L	102	90 - 110		
Barium		1.00	1.01	mg/L	101	90 - 110		
Beryllium		0.0500	0.0495	mg/L	99.0	90 - 110		
Cadmium		0.0500	0.0509	mg/L	102	90 - 110		
Calcium		10.0	10.2	mg/L	102	90 - 110		
Chromium		0.500	0.497	mg/L	99.4	90 - 110		
Cobalt		0.200	0.203	mg/L	102	90 - 110		
Copper		0.500	0.506	mg/L	101	90 - 110		
Iron		4.00	4.05	mg/L	101	90 - 110		
Magnesium		10.0	10.1	mg/L	101	90 - 110		
Manganese		0.500	0.507	mg/L	101	90 - 110		
Nickel		0.500	0.509	mg/L	102	90 - 110		
Potassium		50.0	50.6	mg/L	101	90 - 110		
Silver		0.400	0.401	mg/L	100	90 - 110		
Sodium		50.0	50.8	mg/L	102	90 - 110		
Vanadium		1.00	0.994	mg/L	99.4	90 - 110		
Zinc		1.00	1.01	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923863

Report generated 02/22/2011 14:23

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-11

Instrument ID: PE-ICP2 Run Time: 15:32 Method: 6010B

File ID: P2.021811.153239 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.1	mg/L	101	90 - 110		
Arsenic		0.400	0.400	mg/L	100	90 - 110		
Barium		1.00	0.982	mg/L	98.2	90 - 110		
Beryllium		0.0500	0.0511	mg/L	102	90 - 110		
Cadmium		0.0500	0.0492	mg/L	98.3	90 - 110		
Calcium		10.0	10.3	mg/L	103	90 - 110		
Chromium		0.500	0.489	mg/L	97.7	90 - 110		
Cobalt		0.200	0.192	mg/L	96.0	90 - 110		
Copper		0.500	0.504	mg/L	101	90 - 110		
Iron		4.00	3.89	mg/L	97.2	90 - 110		
Lead		0.500	0.498	mg/L	99.6	90 - 110		
Magnesium		10.0	9.84	mg/L	98.4	90 - 110		
Manganese		0.500	0.496	mg/L	99.1	90 - 110		
Nickel		0.500	0.489	mg/L	97.9	90 - 110		
Potassium		50.0	49.6	mg/L	99.2	90 - 110		
Silver		0.400	0.398	mg/L	99.6	90 - 110		
Sodium		50.0	49.7	mg/L	99.4	90 - 110		
Vanadium		1.00	0.969	mg/L	96.9	90 - 110		
Zinc		1.00	0.986	mg/L	98.6	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924612

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-14

Instrument ID: PE-ICP2 Run Time: 16:17 Method: 6010B

File ID: P2.021811.161744 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.3	mg/L	103	90 - 110		
Arsenic		0.400	0.397	mg/L	99.3	90 - 110		
Barium		1.00	0.968	mg/L	96.8	90 - 110		
Beryllium		0.0500	0.0513	mg/L	103	90 - 110		
Cadmium		0.0500	0.0491	mg/L	98.2	90 - 110		
Calcium		10.0	10.3	mg/L	103	90 - 110		
Chromium		0.500	0.482	mg/L	96.3	90 - 110		
Cobalt		0.200	0.190	mg/L	95.0	90 - 110		
Copper		0.500	0.503	mg/L	101	90 - 110		
Iron		4.00	3.81	mg/L	95.2	90 - 110		
Lead		0.500	0.492	mg/L	98.3	90 - 110		
Magnesium		10.0	9.61	mg/L	96.1	90 - 110		
Manganese		0.500	0.489	mg/L	97.7	90 - 110		
Nickel		0.500	0.484	mg/L	96.8	90 - 110		
Potassium		50.0	50.7	mg/L	101	90 - 110		
Silver		0.400	0.399	mg/L	99.7	90 - 110		
Sodium		50.0	50.7	mg/L	101	90 - 110		
Vanadium		1.00	0.955	mg/L	95.5	90 - 110		
Zinc		1.00	0.974	mg/L	97.4	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924612

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357093-16

Instrument ID: PE-ICP2 Run Time: 17:37 Method: 6010B

File ID: P2.021811.173746 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.3	mg/L	103	90 - 110		
Arsenic		0.400	0.411	mg/L	103	90 - 110		
Barium		1.00	0.964	mg/L	96.4	90 - 110		
Beryllium		0.0500	0.0521	mg/L	104	90 - 110		
Cadmium		0.0500	0.0499	mg/L	99.8	90 - 110		
Calcium		10.0	10.4	mg/L	104	90 - 110		
Chromium		0.500	0.478	mg/L	95.7	90 - 110		
Cobalt		0.200	0.188	mg/L	94.1	90 - 110		
Copper		0.500	0.512	mg/L	102	90 - 110		
Iron		4.00	3.72	mg/L	93.0	90 - 110		
Lead		0.500	0.487	mg/L	97.4	90 - 110		
Magnesium		10.0	9.39	mg/L	93.9	90 - 110		
Manganese		0.500	0.486	mg/L	97.2	90 - 110		
Nickel		0.500	0.478	mg/L	95.6	90 - 110		
Potassium		50.0	50.3	mg/L	101	90 - 110		
Silver		0.400	0.406	mg/L	102	90 - 110		
Sodium		50.0	50.6	mg/L	101	90 - 110		
Vanadium		1.00	0.948	mg/L	94.8	90 - 110		
Zinc		1.00	0.968	mg/L	96.8	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924612

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-11

Instrument ID: PE-ICP2 Run Time: 13:00 Method: 6010B

File ID: P2.022111.130044 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.2	mg/L	102	90 - 110		
Arsenic		0.400	0.386	mg/L	96.5	90 - 110		
Barium		1.00	1.01	mg/L	101	90 - 110		
Beryllium		0.0500	0.0502	mg/L	100	90 - 110		
Cadmium		0.0500	0.0490	mg/L	98.0	90 - 110		
Calcium		10.0	10.0	mg/L	100	90 - 110		
Chromium		0.500	0.501	mg/L	100	90 - 110		
Cobalt		0.200	0.197	mg/L	98.3	90 - 110		
Copper		0.500	0.499	mg/L	99.9	90 - 110		
Iron		4.00	4.07	mg/L	102	90 - 110		
Lead		0.500	0.519	mg/L	104	90 - 110		
Magnesium		10.0	10.2	mg/L	102	90 - 110		
Manganese		0.500	0.507	mg/L	101	90 - 110		
Nickel		0.500	0.502	mg/L	100	90 - 110		
Potassium		50.0	50.0	mg/L	100	90 - 110		
Silver		0.400	0.395	mg/L	98.6	90 - 110		
Sodium		50.0	49.9	mg/L	99.8	90 - 110		
Vanadium		1.00	1.00	mg/L	100	90 - 110		
Zinc		1.00	1.01	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924612

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-24

Instrument ID: PE-ICP2 Run Time: 18:23 Method: 6010B

File ID: P2.022111.182324 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.1	mg/L	101	90 - 110		
Arsenic		0.400	0.394	mg/L	98.5	90 - 110		
Barium		1.00	1.01	mg/L	101	90 - 110		
Beryllium		0.0500	0.0504	mg/L	101	90 - 110		
Cadmium		0.0500	0.0500	mg/L	100	90 - 110		
Calcium		10.0	10.2	mg/L	102	90 - 110		
Chromium		0.500	0.503	mg/L	101	90 - 110		
Cobalt		0.200	0.200	mg/L	99.8	90 - 110		
Copper		0.500	0.504	mg/L	101	90 - 110		
Iron		4.00	3.98	mg/L	99.5	90 - 110		
Lead		0.500	0.525	mg/L	105	90 - 110		
Magnesium		10.0	9.89	mg/L	98.9	90 - 110		
Manganese		0.500	0.509	mg/L	102	90 - 110		
Nickel		0.500	0.503	mg/L	101	90 - 110		
Potassium		50.0	49.9	mg/L	99.9	90 - 110		
Silver		0.400	0.396	mg/L	99.1	90 - 110		
Sodium		50.0	49.4	mg/L	98.9	90 - 110		
Vanadium		1.00	1.00	mg/L	100	90 - 110		
Zinc		1.00	1.01	mg/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924612

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/21/2011 Sample ID: WG357128-27

Instrument ID: PE-ICP2 Run Time: 19:30 Method: 6010B

File ID: P2.022111.193004 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356956 Cal ID: PE-ICP - 21-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Aluminum		10.0	10.1	mg/L	101	90 - 110		
Arsenic		0.400	0.392	mg/L	98.1	90 - 110		
Barium		1.00	1.03	mg/L	103	90 - 110		
Beryllium		0.0500	0.0515	mg/L	103	90 - 110		
Cadmium		0.0500	0.0501	mg/L	100	90 - 110		
Calcium		10.0	10.3	mg/L	103	90 - 110		
Chromium		0.500	0.509	mg/L	102	90 - 110		
Cobalt		0.200	0.200	mg/L	100	90 - 110		
Copper		0.500	0.513	mg/L	103	90 - 110		
Iron		4.00	3.94	mg/L	98.4	90 - 110		
Lead		0.500	0.524	mg/L	105	90 - 110		
Magnesium		10.0	9.77	mg/L	97.7	90 - 110		
Manganese		0.500	0.516	mg/L	103	90 - 110		
Nickel		0.500	0.511	mg/L	102	90 - 110		
Potassium		50.0	49.8	mg/L	99.6	90 - 110		
Silver		0.400	0.404	mg/L	101	90 - 110		
Sodium		50.0	49.3	mg/L	98.7	90 - 110		
Vanadium		1.00	1.02	mg/L	102	90 - 110		
Zinc		1.00	1.03	mg/L	103	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924612

Report generated 02/22/2011 09:35

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11020447 **Workgroup (AAB#):** WG356945
Instrument ID: ICP-THERMO2 **Method:** 6010B
Sol. A : WG357012-08 **File ID:** T2.021811.110135 **Units:** mg/L
Sol. AB : WG357012-09 **File ID:** T2.021811.110519 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	220	88.0	250	216	86.4	
Antimony	NS	-0.00185	NS	0.500	0.497	99.4	
Barium	NS	0.00150	NS	0.250	0.249	99.6	
Beryllium	NS	0.0000200	NS	0.250	0.246	98.4	
Cadmium	NS	0.00179	NS	0.500	0.490	98.0	
Calcium	250	247	98.8	250	247	98.8	
Chromium	NS	-0.00110	NS	0.250	0.223	89.2	
Cobalt	NS	0.000100	NS	0.250	0.243	97.2	
Copper	NS	0.00659	NS	0.250	0.247	98.8	
Iron	100	97.2	97.2	100	97.1	97.1	
Magnesium	250	245	98.0	250	244	97.6	
Manganese	NS	-0.00100	NS	0.250	0.242	96.8	
Nickel	NS	-0.0000800	NS	0.500	0.482	96.4	
Potassium	NS	0.139	NS	5.00	5.08	102	
Silver	NS	0.000640	NS	0.500	0.461	92.2	
Sodium	NS	0.0119	NS	5.00	5.10	102	
Vanadium	NS	-0.00216	NS	0.250	0.230	92.0	
Zinc	NS	-0.00624	NS	0.500	0.473	94.6	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

ICS - Modified 03/06/2008
PDF File ID: 1923862
Report generated 02/22/2011 14:23

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11020447 **Workgroup (AAB#):** WG356956
Instrument ID: PE-ICP2 **Method:** 6010B
Sol. A : WG357093-09 **File ID:** P2.021811.152119 **Units:** mg/L
Sol. AB : WG357093-10 **File ID:** P2.021811.152659 **Matrix:** Water

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	251	100	250	250	100	
Arsenic	NS	-0.0000600	NS	0.250	0.255	102	
Barium	NS	-0.0000800	NS	0.250	0.249	99.6	
Beryllium	NS	-0.0000300	NS	0.250	0.260	104	
Cadmium	NS	0.000130	NS	0.500	0.455	91.0	
Calcium	250	284	114	250	283	113	
Chromium	NS	-0.00116	NS	0.250	0.247	98.8	
Cobalt	NS	-0.00136	NS	0.250	0.231	92.4	
Copper	NS	-0.000100	NS	0.250	0.257	103	
Iron	100	97.1	97.1	100	94.8	94.8	
Lead	NS	0.00212	NS	0.500	0.495	99.0	
Magnesium	250	249	99.6	250	244	97.6	
Manganese	NS	0.000170	NS	0.250	0.252	101	
Nickel	NS	-0.00221	NS	0.500	0.467	93.4	
Potassium	NS	0.0553	NS	5.00	5.13	103	
Silver	NS	-0.000820	NS	0.500	0.514	103	
Sodium	NS	0.0349	NS	5.00	5.00	100	
Vanadium	NS	0.00223	NS	0.250	0.247	98.8	
Zinc	NS	-0.000990	NS	0.500	0.469	93.8	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

ICS - Modified 03/06/2008
PDF File ID: 1924611
Report generated 02/22/2011 09:35

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11020447 **Workgroup (AAB#):** WG356956
Instrument ID: PE-ICP2 **Method:** 6010B
Sol. A : WG357128-09 **File ID:** P2.022111.124918 **Units:** mg/L
Sol. AB : WG357128-10 **File ID:** P2.022111.125504 **Matrix:** Water

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Aluminum	250	245	98.0	250	230	92.0	
Arsenic	NS	-0.00326	NS	0.250	0.247	98.8	
Barium	NS	-0.000690	NS	0.250	0.246	98.4	
Beryllium	NS	-0.0000700	NS	0.250	0.253	101	
Cadmium	NS	-0.000200	NS	0.500	0.458	91.6	
Calcium	250	280	112	250	270	108	
Chromium	NS	-0.000380	NS	0.250	0.243	97.2	
Cobalt	NS	-0.00122	NS	0.250	0.230	92.0	
Copper	NS	0.000900	NS	0.250	0.254	102	
Iron	100	98.0	98.0	100	94.7	94.7	
Lead	NS	-0.000750	NS	0.500	0.500	100	
Magnesium	250	249	99.6	250	241	96.4	
Manganese	NS	0.000250	NS	0.250	0.245	98.0	
Nickel	NS	-0.00170	NS	0.500	0.462	92.4	
Potassium	NS	0.0244	NS	5.00	5.05	101	
Silver	NS	-0.000830	NS	0.500	0.499	99.8	
Sodium	NS	0.0240	NS	5.00	4.93	98.6	
Vanadium	NS	0.00214	NS	0.250	0.246	98.4	
Zinc	NS	0.00404	NS	0.500	0.458	91.6	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

LRC SAMPLE

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357012
Instrument ID: ICP-THERMO2 Run Time: 10:50 Prep Method: 3051A
Analyst: JYH Method: 6010B
Workgroup (AAB#): WG356945 Matrix: Solid Units: mg/kg
Cal ID: 18-FEB-11 - 18-FEB-2011 10:50

Analytes	Expected	Found	% Rec	Limits	Q
Aluminum, Total	800	794	99.3	90 - 110	
Iron, Total	1000	993	99.3	90 - 110	

KEMRON FORMS - Modified 08/28/2006
Version 1.5 PDF File ID: 1925034
Report generated 02/22/2011 14:42

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	AL	AS	B	BA	BE
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0.0000210	0	0	0	0
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	0	0.00190	0	-0.000140	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0
COBALT	228.60	0	0	0	0	0
COPPER	224.70	0	0	0	0	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000335	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	-0.000750	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	-0.0000300	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	-0.0000120	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0
ZINC	206.20	0.0000420	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1923858
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	CA	CO	CR	CU	FE
ALUMINUM	308.20	0	-0.000820	0	0	0
ANTIMONY	206.80	0	0	0.00950	0	0.0000560
ARSENIC	189.00	0	0	0.000490	0	-0.0000120
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0.00343	0	0	-0.000619
CADMIUM	228.80	0	-0.00200	0	0	-0.00000800
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000530
COBALT	228.60	0	0	0.000108	0	0
COPPER	224.70	0	0.0000770	0	0	0.000196
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	-0.0000930	-0.000172	0.000809	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	0
MANGANESE	257.60	0	0	-0.0000920	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0.000100	0	0	0.0000320
PHOSPHORUS	214.90	0	0	0	0.00200	0.00120
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0.0000570	0	0	0	0
THALLIUM	190.80	0	0.00397	0.000276	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	-0.00000200
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	-0.0000300

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1923858
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	LI	MG	MN	MO	NA
ALUMINUM	308.20	0	0	0	0.0153	0
ANTIMONY	206.80	0	0	0	0.000670	0
ARSENIC	189.00	0	0	0	0.00109	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	-0.00169	0
CADMIUM	228.80	0	0	0	0.0000220	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0.000160	0	0
COBALT	228.60	0	0	0	-0.000983	0
COPPER	224.70	0	0	0	0.00274	0
IRON	261.20	0	0	0	0	0
LEAD	220.30	0	0	0	-0.00183	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	-0.00190	-0.0110	0
MANGANESE	257.60	0	0.00000900	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0.00800	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0.000156	0
SILICON	212.40	0	0	0	0.0187	0
SILVER	328.00	0	0	0	-0.0000440	0
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.90	0	0	0	0	0
TITANIUM	337.30	0	0	0	-0.000153	0
VANADIUM	292.40	0	0	0	-0.00778	0
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1923858
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	NI	SB	SN	SR	TI
ALUMINUM	308.20	0	0	0	0	0
ANTIMONY	206.80	0	0	-0.00840	0	-0.000990
ARSENIC	189.00	0	0	0	0	0
BARIUM	455.40	0	0	0	0	0
BERYLLIUM	313.00	0	0	0	0	0
BORON	249.70	0	0	0	0	0
CADMIUM	228.80	-0.000128	0	0	0	0
CALCIUM	422.70	0	0	0	0	0
CHROMIUM	267.70	0	0	0	0	0.0000550
COBALT	228.60	0.000175	0	0	0	0.00188
COPPER	224.70	-0.0120	0	0	0	0.000269
IRON	261.20	0	0	0	0	0
LEAD	220.30	0.000110	0	0	0	0
LITHIUM	670.80	0	0	0	0	0
MAGNESIUM	279.10	0	0	0	0	-0.00290
MANGANESE	257.60	0	0	0	0	0
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
PHOSPHORUS	214.90	0	0	0	0	0
POTASSIUM	766.40	0	0	0	0	0
SELENIUM	196.00	0	0	0	0	0
SILICON	212.40	0	0	0	0	0
SILVER	328.00	0	0	0	0	-0.00620
SODIUM	589.50	0	0	0	0	0
STRONTIUM	407.80	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	-0.00170
TIN	189.90	0	0	0	0	-0.00220
TITANIUM	337.30	0	0	0	0	0
VANADIUM	292.40	0	0	0	0	0.000824
ZINC	206.20	0	0	0	0	0
ZIRCONIUM	339.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1923858
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 01/25/2011
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Wave Length	V	ZN	ZR
ALUMINUM	308.20	0.00300	0	0
ANTIMONY	206.80	-0.00438	0	0
ARSENIC	189.00	0.000107	0	0
BARIUM	455.40	0	0	0
BERYLLIUM	313.00	0	0	0
BORON	249.70	0	0	0
CADMIUM	228.80	0.0000820	0	0
CALCIUM	422.70	0	0	0
CHROMIUM	267.70	0	0	
COBALT	228.60	0.0000200	0	0
COPPER	224.70	0	0	
IRON	261.20	0	0	0
LEAD	220.30	-0.000126	0	0
LITHIUM	670.80	0	0	0
MAGNESIUM	279.10	0	0	0
MANGANESE	257.60	0	0	0
MOLYBDENUM	202.03	-0.000110	0	0
NICKEL	231.60	0	0	0
PHOSPHORUS	214.90	-0.00500	0	0.00200
POTASSIUM	766.40	0	0	0
SELENIUM	196.00	0	0	0
SILICON	212.40	0	0	0
SILVER	328.00	-0.00617	0	0
SODIUM	589.50	0	0	0
STRONTIUM	407.80	0	0	0
THALLIUM	190.80	-0.0282	0	0
TIN	189.90	0	0	0
TITANIUM	337.30	0	0	0
VANADIUM	292.40	0	0	
ZINC	206.20	0	0	0
ZIRCONIUM	339.20	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1923858
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 02/14/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Wave Length	AG	AL	AS	B	BA
ALUMINUM	396.15	0	0	0.206	0	0
ANTIMONY	206.84	0	0	-0.740	0	0
ARSENIC	188.98	0	0.0893	0	0	0
BARIUM	233.53	0	0.00932	0	0	0
BERYLLIUM	234.86	0	0	0	0	0
BORON	249.68	0	1.12	0	0	0
CADMIUM	228.80	0	0	6.68	0	0
CALCIUM	227.55	0	0.195	10.0	0	0
CHROMIUM	267.72	0	0.0250	0	0	0
COBALT	228.62	0	0	0	0	0.337
COPPER	327.39	0	0	0	0	0
IRON	239.56	0	0	0	0	0
LEAD	220.35	0	-0.0210	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	0	0	0	0
MANGANESE	257.61	-0.185	0	-0.231	-0.0949	-0.230
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	0.111	0	0	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0	0	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0	0	0.200	0	0.0400
ZINC	206.20	0	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1924607
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 02/14/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Wave Length	BE	CA	CD	CO	CR
ALUMINUM	396.15	0	0	0	0	0
ANTIMONY	206.84	0	0	0	0	6.33
ARSENIC	188.98	0	0.0200	-0.0875	0	-5.90
BARIUM	233.53	0	0	0	0	0
BERYLLIUM	234.86	0	0	0	0	-0.0733
BORON	249.68	0	0	24.1	5.90	1.50
CADMIUM	228.80	0	0	0	-10.7	0
CALCIUM	227.55	0	0	0	300	0
CHROMIUM	267.72	0	0	0	0	0
COBALT	228.62	0	0	0	0	-0.244
COPPER	327.39	0	0	0	0.380	-0.0400
IRON	239.56	0	0	0	1.91	0
LEAD	220.35	0	-0.0480	0	0.116	-0.0700
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	0	0	0	0
MANGANESE	257.61	-1.04	0	-0.755	-0.0418	-0.110
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	0	0	0	-0.566	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	-0.250	0	-1.52	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0	0	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0.0900	0	3.48	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	-0.0100	0	0	0.297
VANADIUM	290.88	0	0	0	0	0
ZINC	206.20	0	0	0	0	-3.64

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1924607
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 02/14/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Wave Length	CU	FE	K	LI	MG
ALUMINUM	396.15	0	-0.0800	0	0	0
ANTIMONY	206.84	0	0	0	0	0
ARSENIC	188.98	0	-0.139	0	0	0
BARIUM	233.53	0	0	0	0	0
BERYLLIUM	234.86	0	0.195	0	0	0
BORON	249.68	0	-4.66	0	0	0
CADMIUM	228.80	0	0.00130	0	0	0
CALCIUM	227.55	-2.00	-5.00	0	0	0.104
CHROMIUM	267.72	0	-0.000800	0	0	0
COBALT	228.62	0	0.0262	0	0	0
COPPER	327.39	0	-0.115	0	0.154	0
IRON	239.56	0	0	0	0	0.0276
LEAD	220.35	0.740	0.0440	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	0.540	0	0	0
MANGANESE	257.61	-0.0457	-0.0453	-0.0181	-0.794	0.0147
MOLYBDENUM	202.03	0	-0.0494	0	0	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	-0.369	0	0	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0.0717	0.0498	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0.120	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0	0.134	0	0	0
ZINC	206.20	-0.200	0.0230	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1924607
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 02/14/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Wave Length	MN	MO	NA	NI	PB
ALUMINUM	396.15	0	13.5	0	0	0
ANTIMONY	206.84	0	-7.69	0	0	0
ARSENIC	188.98	0	6.00	0	0	0
BARIUM	233.53	0	-0.548	0	0	0
BERYLLIUM	234.86	-0.131	-1.50	0	-0.00974	0
BORON	249.68	0	-2.20	0	0	0
CADMIUM	228.80	0	-0.00900	0	-0.398	0
CALCIUM	227.55	0	-8.00	0	-900	0
CHROMIUM	267.72	0.434	-0.00100	0	0	0
COBALT	228.62	0	-0.125	0	0.129	0
COPPER	327.39	0	-0.0774	0	0.150	0.257
IRON	239.56	0.480	0	0	0	0.407
LEAD	220.35	0.100	-5.00	0	0.100	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	-5.00	0	0	0.0252
MANGANESE	257.61	0	-0.0482	-0.00916	-0.0340	-0.0413
MOLYBDENUM	202.03	-0.209	0	0	0.120	0
NICKEL	231.60	0	0	0	0	0
POTASSIUM	766.49	0	0	1.00	0	0
SELENIUM	196.03	0.451	0.300	0	0.0940	0
SILICON	251.61	0	15.0	0	0	0
SILVER	328.07	0.130	0.100	0	0	0
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	-1.50	1.20	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0	0.578	0	0	0
ZINC	206.20	0	0.180	0	-0.200	-0.100

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1924607
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 02/14/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Wave Length	SB	SE	SI	SN	SR
ALUMINUM	396.15	0	0	0	0	0
ANTIMONY	206.84	0	0	0	0	0
ARSENIC	188.98	0	0	0	0	0
BARIUM	233.53	0	0	0	0	0
BERYLLIUM	234.86	0	0	0	0	0
BORON	249.68	0	0	0	0	0
CADMIUM	228.80	0	0	0	0	0
CALCIUM	227.55	0	0	2.79	0	0
CHROMIUM	267.72	0	0	0	0	0
COBALT	228.62	0	0	0	0	0
COPPER	327.39	0	0.148	0	0	0
IRON	239.56	0	0	0	0	0
LEAD	220.35	-0.0100	0	0	0	0
LITHIUM	670.78	0	0	0	0	0
MAGNESIUM	279.08	0	-0.0924	0	0	0
MANGANESE	257.61	-0.0505	-0.0281	-0.185	-0.0445	-0.625
MOLYBDENUM	202.03	0	0	0	0	0
NICKEL	231.60	-0.0500	-0.0100	0	0	0
POTASSIUM	766.49	0	0	0	0	0
SELENIUM	196.03	0	0	0	0	0
SILICON	251.61	0	0	0	0	0
SILVER	328.07	0	0	0	0	0.200
SODIUM	589.59	0	0	0	0	0
STRONTIUM	407.77	0	0	0	0	0
THALLIUM	190.80	0	0	0	0	0
TIN	189.93	0	0	0	0	0
TITANIUM	334.94	0	0	0	0	0
VANADIUM	290.88	0	0	0	0	0
ZINC	206.20	-0.300	0	0	0	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1924607
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Login Number: L11020447 **Date:** 02/14/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Wave Length	TI	TL	V	ZN
ALUMINUM	396.15	0	0	0	0
ANTIMONY	206.84	0	0	0.000100	0
ARSENIC	188.98	0	0	0.0930	0
BARIUM	233.53	0	0	-2.29	0
BERYLLIUM	234.86	0	0	0	0
BORON	249.68	0	0	0	0
CADMIUM	228.80	0	0	0.0800	0
CALCIUM	227.55	0	0	60.0	0
CHROMIUM	267.72	0	0	-0.567	-0.0400
COBALT	228.62	2.21	0	0	0
COPPER	327.39	-1.05	0	-0.700	-0.0613
IRON	239.56	0	0	0	0
LEAD	220.35	0	0	0.0560	0
LITHIUM	670.78	0	0	0	0
MAGNESIUM	279.08	0	0	0	0
MANGANESE	257.61	-0.00931	-0.0414	-0.0601	-0.0552
MOLYBDENUM	202.03	0	0	-0.288	0
NICKEL	231.60	0	0.617	0	0
POTASSIUM	766.49	0	0	0	0
SELENIUM	196.03	-0.220	0	-0.126	0
SILICON	251.61	0	0	0	0
SILVER	328.07	0	0	-1.67	0
SODIUM	589.59	0	0	0	0
STRONTIUM	407.77	0	0	0	0
THALLIUM	190.80	-12.0	0.617	-1.41	0
TIN	189.93	0	0	0	0
TITANIUM	334.94	0	0	0	0
VANADIUM	290.88	0	0	0	0
ZINC	206.20	0	0	-0.100	0

CORR_FACTORS - Modified 03/05/2008
PDF File ID: 1924607
Report generated: 02/22/2011 09:35

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11020447 **Date:** 12/13/2010
Insturment ID: ICP-THERMO2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	810.0
Antimony	10.00	90.0
Arsenic	10.00	90.0
Barium	10.00	90.0
Beryllium	15.00	4.5
Boron	10.00	90.0
Cadmium	10.00	16.2
Calcium	10.00	900.0
Chromium	10.00	81.0
Cobalt	10.00	90.0
Copper	10.00	180.0
Iron	5.00	900.0
Lead	10.00	180.0
Lithium	10.00	90.0
Magnesium	15.00	900.0
Manganese	15.00	180.0
Molybdenum	10.00	9.0
Nickel	10.00	90.0
Phosphorus	10.00	900.0
Potassium	10.00	315.0
Selenium	10.00	90.0
Silicon	10.00	90.0
Silver	5.00	9.0
Sodium	10.00	315.0
Strontium	10.00	4.5
Thallium	10.00	9.0
Tin	10.00	90.0
Titanium	15.00	90.0
Vanadium	10.00	90.0
Zinc	10.00	45.0
Zirconium	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1923857
Report generated: 02/22/2011 14:23

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11020447 **Date:** 01/12/2011
Insturment ID: PE-ICP2 **Method:** 6010B

Analyte	Integration Time (Sec.)	Concentration (mg/L)
Aluminum	10.00	450.0
Antimony	10.00	45.0
Arsenic	10.00	9.0
Barium	10.00	9.0
Beryllium	10.00	4.5
Boron	10.00	45.0
Cadmium	10.00	9.0
Calcium	10.00	450.0
Chromium	10.00	45.0
Cobalt	10.00	45.0
Copper	10.00	45.0
Iron	10.00	450.0
Lead	10.00	90.0
Lithium	10.00	0.9
Magnesium	10.00	450.0
Manganese	10.00	27.0
Molybdenum	10.00	45.0
Nickel	10.00	45.0
Potassium	10.00	72.0
Selenium	10.00	45.0
Silicon	10.00	36.0
Silver	10.00	9.0
Sodium	10.00	180.0
Strontium	10.00	4.5
Thallium	10.00	45.0
Tin	10.00	45.0
Titanium	10.00	45.0
Vanadium	10.00	45.0
Zinc	10.00	45.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1924606
Report generated: 02/22/2011 09:35

2.2.1.3 Raw Data

Sample Name: S0 Acquired: 2/18/2011 10:36:10 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00034**	**.00907**	**-.00009**	**.00029**	**.00313**	**-.00114**	**-.00129**
Stddev	.00014	.00011	.00002	.00005	.00020	.00006	.00016
%RSD	40.406	1.1933	17.381	17.611	6.3470	5.0865	12.733
#1	.00039	.00906	-.00008	.00031	.00315	-.00116	-.00114
#2	.00019	.00918	-.00008	.00024	.00331	-.00108	-.00146
#3	.00045	.00896	-.00011	.00033	.00292	-.00119	-.00127

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00005**	**-.00001**	**.00075**	**.00018**	**.00002**	**.00239**	**-.00070**
Stddev	.00001	.00002	.00006	.00005	.00006	.00007	.00043
%RSD	26.922	322.77	7.9799	25.870	395.06	3.0940	61.603
#1	.00004	.00001	.00079	.00013	.00004	.00235	-.00079
#2	.00006	.00000	.00077	.00019	.00006	.00234	-.00107
#3	.00004	-.00002	.00068	.00021	-.00005	.00248	-.00023

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00000**	**.00006**	**.00001**	**-.00183**	**-.00027**	**.00014**	**-.00026**
Stddev	.00008	.00004	.00001	.00023	.00001	.00000	.00002
%RSD	1931.7	71.057	73.702	12.522	5.3502	2.2420	6.8817
#1	-.00004	.00003	.00000	-.00177	-.00028	.00013	-.00028
#2	.00009	.00011	.00002	-.00209	-.00029	.00014	-.00024
#3	-.00004	.00005	.00001	-.00164	-.00026	.00013	-.00026

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00480**	**.00002**	**.00009**	**.00005**	**-.00011**	**.00042**	**.00003**
Stddev	.00024	.00001	.00001	.00001	.00001	.00001	.00001
%RSD	4.9269	70.865	7.0300	15.581	9.4276	2.9677	41.665
#1	-.00465	.00002	.00009	.00004	-.00011	.00041	.00002
#2	-.00508	.00002	.00008	.00005	-.00010	.00042	.00002
#3	-.00468	.00000	.00009	.00005	-.00012	.00043	.00004

Approved: February 21, 2011

Sample Name: S0 Acquired: 2/18/2011 10:36:10 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00073**	**-.00028**	**-.00007**	**.00000**	**-.00009**	**-.00203**
Stddev	.00010	.00004	.00002	.0000	.00001	.00012
%RSD	13.408	15.464	22.206	5094.0	15.398	6.0658
#1	.00065	-.00032	-.00008	-.00004	-.00008	-.00211
#2	.00084	-.00029	-.00006	.00004	-.00010	-.00208
#3	.00070	-.00024	-.00006	.00000	-.00007	-.00189

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71838.**	**50990.**
Stddev	360.	899.
%RSD	.50173	1.7629
#1	71481.	51305.
#2	72202.	49976.
#3	71832.	51689.

Approved: February 21, 2011

Sample Name: S1 Acquired: 2/18/2011 10:39:51 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	Ba4554	Be3131	Ca4226	Cd2288	Co2286
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00126**	**.01429**	**.00704**	**.00032**	**-.00064**	**.00012**	**.00030**
Stddev	.00007	.00030	.00014	.00006	.00004	.00001	.00002
%RSD	5.7237	2.1055	1.9368	18.447	5.8032	6.8028	6.2705
#1	.00132	.01399	.00707	.00030	-.00066	.00012	.00031
#2	.00118	.01459	.00715	.00038	-.00066	.00013	.00028
#3	.00127	.01430	.00688	.00027	-.00060	.00011	.00030

Elem	Cr2677	Cu2247	Fe2611	K_7664	Li6707	Mg2790	Mn2576
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00168**	**.00036**	**.00031**	**.00420**	**.00003**	**.00030**	**.00046**
Stddev	.00005	.00002	.00004	.00026	.00012	.00004	.00002
%RSD	3.1563	6.1251	12.393	6.1038	428.71	14.589	5.2355
#1	.00168	.00038	.00027	.00406	-.00011	.00026	.00046
#2	.00163	.00033	.00034	.00450	.00008	.00035	.00048
#3	.00174	.00036	.00031	.00405	.00012	.00029	.00043

Elem	Mo2020	Na5895	Ni2316	P_2149	Pb2203	Rb7800	S_1807
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00038**	**.00441**	**-.00013**	**.00014**	**-.00014**	**-.00480**	**.00002**
Stddev	.00001	.00014	.00003	.00001	.00001	.00013	.00001
%RSD	2.6958	3.2181	22.149	10.391	6.7379	2.6332	29.976
#1	.00039	.00455	-.00010	.00012	-.00015	-.00494	.00002
#2	.00037	.00441	-.00014	.00015	-.00013	-.00477	.00001
#3	.00037	.00427	-.00015	.00014	-.00014	-.00470	.00003

Elem	S_1820	Sb2068	Si2124	Sn1899	Sr4077	Ti3372	V_2924
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00007**	**.00011**	**.00041**	**.00031**	**.00778**	**.00016**	**.00271**
Stddev	.00001	.00002	.00002	.00001	.00005	.00004	.00012
%RSD	13.307	16.299	3.7710	1.8837	.70388	27.777	4.6105
#1	.00008	.00013	.00040	.00031	.00772	.00019	.00257
#2	.00007	.00009	.00041	.00030	.00778	.00017	.00274
#3	.00007	.00010	.00043	.00030	.00783	.00011	.00281

Approved: February 21, 2011

Sample Name: S1 Acquired: 2/18/2011 10:39:51 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Zn2062	Zr3391
Units	Cts/S	Cts/S
Avg	**.00148**	**-.00197**
Stddev	.00001	.00011
%RSD	.57678	5.3546
#1	.00149	-.00207
#2	.00148	-.00186
#3	.00148	-.00198

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75569.**	**50781.**
Stddev	337.	355.
%RSD	.44586	.69845
#1	75944.	51023.
#2	75473.	50374.
#3	75291.	50946.

Approved: February 21, 2011

Sample Name: S2 Acquired: 2/18/2011 10:43:33 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00196**	**.01848**	**-.00003**	**.00089**	**.01054**	**.00165**	**-.00004**
Stddev	.00015	.00012	.00001	.00006	.00009	.00005	.00013
%RSD	7.8298	.65444	47.836	7.1787	.85969	2.8198	360.86
#1	.00213	.01861	-.00003	.00084	.01064	.00160	-.00003
#2	.00188	.01848	-.00004	.00088	.01052	.00168	-.00018
#3	.00186	.01837	-.00001	.00096	.01046	.00168	.00009

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00020**	**.00060**	**.00257**	**.00060**	**.00061**	**.00634**	**.00121**
Stddev	.00003	.00003	.00009	.00000	.00003	.00020	.00035
%RSD	13.791	4.6177	3.6093	.32096	4.5196	3.2244	28.964
#1	.00018	.00063	.00248	.00060	.00062	.00643	.00139
#2	.00019	.00060	.00258	.00060	.00063	.00611	.00080
#3	.00023	.00058	.00266	.00060	.00058	.00649	.00142

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00051**	**.00092**	**.00075**	**.01142**	**.00000**	**.00014**	**-.00010**
Stddev	.00002	.00006	.00001	.00015	.00001	.00001	.00001
%RSD	4.6733	6.3816	1.2380	1.2782	362.52	9.3980	5.9055
#1	.00049	.00088	.00076	.01136	.00001	.00012	-.00011
#2	.00054	.00099	.00076	.01158	.00001	.00014	-.00010
#3	.00052	.00089	.00074	.01131	-.00001	.00015	-.00010

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00495**	**.00005**	**.00008**	**.00020**	**-.00007**	**.00043**	**.00057**
Stddev	.00023	.00001	.00001	.00001	.00001	.00001	.00001
%RSD	4.5882	26.445	18.102	6.4455	16.336	2.3544	1.5198
#1	-.00475	.00005	.00008	.00021	-.00006	.00042	.00058
#2	-.00491	.00003	.00007	.00019	-.00007	.00044	.00056
#3	-.00520	.00006	.00010	.00020	-.00008	.00043	.00058

Approved: February 21, 2011

Sample Name: S2 Acquired: 2/18/2011 10:43:33 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01480**	**.00067**	**.00003**	**.00510**	**.00306**	**-.00189**
Stddev	.00014	.00015	.00000	.00013	.00001	.00004
%RSD	.92529	23.033	11.783	2.5171	.31573	1.8977
#1	.01464	.00049	.00003	.00496	.00305	-.00193
#2	.01488	.00075	.00003	.00513	.00307	-.00186
#3	.01488	.00076	.00002	.00521	.00307	-.00190

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73538.**	**51715.**
Stddev	949.	178.
%RSD	1.2901	.34419
#1	74533.	51894.
#2	73437.	51714.
#3	72643.	51538.

Approved: February 21, 2011

Sample Name: S3 Acquired: 2/18/2011 10:47:18 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.07256**	**.45923**	**.00324**	**.03296**	**.36934**	**.14002**	**.06576**
Stddev	.00230	.01295	.00001	.00093	.00060	.00399	.00036
%RSD	3.1698	2.8205	.27066	2.8102	.16193	2.8530	.55171
#1	.07293	.46131	.00323	.03301	.36882	.14072	.06537
#2	.07009	.44536	.00324	.03202	.36921	.13573	.06609
#3	.07464	.47101	.00325	.03387	.37000	.14363	.06582

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00861**	**.02939**	**.09217**	**.02001**	**.03003**	**.20138**	**.10239**
Stddev	.00002	.00009	.00256	.00008	.00011	.00052	.00039
%RSD	.21501	.29009	2.7769	.41326	.35168	.25964	.38219
#1	.00863	.02948	.09250	.02008	.02995	.20085	.10201
#2	.00860	.02931	.08946	.01992	.03000	.20139	.10238
#3	.00860	.02938	.09454	.02003	.03015	.20190	.10279

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.02391**	**.04195**	**.03753**	**.66665**	**.01394**	**.00015**	**.00762**
Stddev	.00012	.00010	.00008	.00155	.00005	.00001	.00004
%RSD	.50870	.24551	.20262	.23260	.33323	8.5159	.56231
#1	.02377	.04189	.03760	.66595	.01398	.00017	.00759
#2	.02396	.04189	.03745	.66557	.01388	.00015	.00767
#3	.02399	.04207	.03752	.66842	.01395	.00015	.00760

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00486**	**.00161**	**.00005**	**.00928**	**.00169**	**.00088**	**.02734**
Stddev	.00025	.00001	.00000	.00003	.00002	.00002	.00005
%RSD	5.1406	.48587	7.4264	.27412	1.0926	2.1872	.16938
#1	-.00491	.00162	.00005	.00930	.00169	.00089	.02739
#2	-.00458	.00160	.00004	.00925	.00171	.00086	.02733
#3	-.00508	.00161	.00004	.00929	.00168	.00089	.02730

Approved: February 21, 2011

Sample Name: S3 Acquired: 2/18/2011 10:47:18 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.71346**	**.05051**	**.00415**	**.26347**	**.15892**	**-.00134**
Stddev	.00168	.00025	.00002	.00750	.00033	.00008
%RSD	.23556	.49681	.45740	2.8474	.20618	6.0468
#1	.71152	.05022	.00417	.26476	.15929	-.00126
#2	.71457	.05064	.00414	.25541	.15882	-.00135
#3	.71427	.05067	.00414	.27025	.15866	-.00142

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69235.**	**50214.**
Stddev	534.	1034.
%RSD	.77127	2.0595
#1	68644.	49806.
#2	69378.	51390.
#3	69683.	49447.

Approved: February 21, 2011

Sample Name: S4 Acquired: 2/18/2011 10:50:49 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.14213**	**.88985**	**.00639**	**.06505**	**.71344**	**.28109**	**.12847**
Stddev	.00069	.00656	.00003	.00030	.00209	.00205	.00059
%RSD	.48507	.73760	.44428	.45915	.29267	.72990	.45561
#1	.14259	.89469	.00636	.06512	.71113	.28129	.12787
#2	.14247	.89248	.00641	.06531	.71400	.28303	.12848
#3	.14134	.88238	.00640	.06472	.71519	.27894	.12904

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.01665**	**.05655**	**.18106**	**.03831**	**.05792**	**.38789**	**.19808**
Stddev	.00003	.00008	.00122	.00002	.00020	.00140	.00043
%RSD	.16459	.14284	.67305	.06344	.33952	.36027	.21600
#1	.01662	.05646	.18148	.03831	.05771	.38631	.19759
#2	.01666	.05658	.18202	.03828	.05796	.38837	.19827
#3	.01668	.05662	.17969	.03833	.05809	.38898	.19838

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.04603**	**.08085**	**.07239**	**1.2863**	**.02701**	**.00018**	**.01493**
Stddev	.00020	.00033	.00017	.0041	.00004	.00001	.00003
%RSD	.43932	.41102	.23916	.31717	.16057	5.3516	.20253
#1	.04581	.08053	.07220	1.2817	.02696	.00017	.01491
#2	.04610	.08083	.07255	1.2877	.02704	.00017	.01493
#3	.04620	.08120	.07242	1.2895	.02702	.00019	.01496

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00504**	**.00307**	**.00002**	**.01793**	**.00341**	**.00128**	**.05245**
Stddev	.00003	.00001	.00001	.00002	.00002	.00002	.00012
%RSD	.57000	.16359	39.713	.11122	.60970	1.2857	.22651
#1	-.00503	.00307	.00003	.01791	.00340	.00127	.05231
#2	-.00501	.00307	.00002	.01794	.00343	.00128	.05253
#3	-.00507	.00308	.00002	.01795	.00339	.00130	.05251

Approved: February 21, 2011

Sample Name: S4 Acquired: 2/18/2011 10:50:49 Type: Cal
Method: ICP-THERMO2_6010_200.7(v1259) Mode: IR Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.3776**	**.09880**	**.00792**	**.51995**	**.30771**	**-.00091**
Stddev	.0048	.00048	.00001	.00314	.00078	.00018
%RSD	.34688	.48533	.17301	.60393	.25310	19.311
#1	1.3729	.09825	.00791	.52091	.30681	-.00108
#2	1.3775	.09902	.00791	.52249	.30813	-.00092
#3	1.3825	.09913	.00793	.51644	.30819	-.00073

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69635.**	**49696.**
Stddev	351.	91.
%RSD	.50365	.18317
#1	69976.	49732.
#2	69654.	49593.
#3	69276.	49764.

Approved: February 21, 2011

Sample Name: ICV Acquired: 2/18/2011 10:54:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38103**	**9.6048**	F **.37873**	**.49812**	**.95816**	**.04884**	**9.5087**
Stddev	.00083	.0540	.00110	.00201	.00082	.00044	.0122
%RSD	.21698	.56223	.28947	.40363	.08550	.90284	.12784
#1	.38025	9.5508	.37797	.49665	.95902	.04875	9.5163
#2	.38093	9.6049	.37823	.49729	.95739	.04846	9.4947
#3	.38190	9.6588	.37998	.50041	.95805	.04932	9.5152
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.40000				
Range			-5.0000%				

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04816**	**.19349**	**.48578**	**.47754**	**3.8154**	**48.293**	**.96949**
Stddev	.00019	.00038	.00475	.00024	.0071	.104	.00292
%RSD	.40375	.19802	.97826	.05054	.18650	.21598	.30121
#1	.04838	.19393	.48599	.47740	3.8229	48.389	.97260
#2	.04805	.19325	.48093	.47782	3.8087	48.182	.96680
#3	.04805	.19328	.49043	.47740	3.8146	48.308	.96908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5755**	F **.47457**	**.97367**	F **46.534**	**.47877**	F **7.0643**	**.48058**
Stddev	.0549	.00191	.00043	.010	.00124	6.1469	.00045
%RSD	.57386	.40227	.04380	.02143	.25813	87.014	.09355
#1	9.5794	.47532	.97412	46.536	.47883	1.7094	.48027
#2	9.5187	.47240	.97364	46.543	.47751	5.7070	.48038
#3	9.6284	.47599	.97327	46.523	.47998	13.776	.48110
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value		.50000		50.000		10.000	
Range		-5.0000%		-5.0000%		-5.0000%	

Approved: February 21, 2011

Sample Name: ICV Acquired: 2/18/2011 10:54:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.711**	**9.7196**	F **7.4595**	F **1.1206**	F **.37857**	F **555.35**	F **.93920**
Stddev	14.316	.0603	1.5698	.0037	.00508	2.65	.00141
%RSD	112.63	.62023	21.044	.33346	1.3423	.47645	.14960
#1	19.593	9.6931	5.9624	1.1199	.37307	553.03	.93953
#2	22.287	9.7885	7.3230	1.1173	.37956	554.79	.93766
#3	-3.7469	9.6770	9.0931	1.1246	.38309	558.23	.94041
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	10.000		10.000	1.2000	.40000	5.0000	1.0000
Range	5.0000%		-5.0000%	-5.0000%	-5.0000%	5.0000%	-5.0000%

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95089**	F **.94089**	**.48429**	**.98173**	**.97044**	F **1.6180**
Stddev	.00296	.00237	.00240	.00587	.00104	.0909
%RSD	.31106	.25202	.49619	.59799	.10718	5.6189
#1	.95299	.93966	.48360	.97817	.97163	1.5967
#2	.94751	.93938	.48231	.97852	.96993	1.7177
#3	.95217	.94362	.48696	.98851	.96974	1.5397
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		1.0000				1.0000
Range		-5.0000%				5.0000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71827.**	**50679.**
Stddev	1349.	620.
%RSD	1.8788	1.2242
#1	70830.	51317.
#2	71287.	50644.
#3	73362.	50077.

Approved: February 21, 2011

Sample Name: ICB Acquired: 2/18/2011 10:57:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00860**	**-.00165**	**.00083**	**.00119**	**.00001**	**-.01913**
Stddev	.00056	.00337	.00058	.00084	.00029	.00005	.01160
%RSD	79.976	39.220	35.165	101.54	24.106	811.22	60.663
#1	.00109	.00484	-.00099	.00065	.00118	.00005	-.00832
#2	.00006	.00960	-.00206	.00009	.00091	-.00005	-.03139
#3	.00095	.01135	-.00190	.00175	.00148	.00002	-.01767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00016**	**.00001**	**-.00004**	**.00186**	**.11277**	**-.00342**
Stddev	.00011	.00034	.00062	.00048	.00171	.06858	.00107
%RSD	1656.2	216.85	5019.5	1345.5	91.876	60.814	31.285
#1	-.00011	-.00005	-.00020	.00025	.00023	.18851	-.00464
#2	.00011	.00012	.00071	.00023	.00364	.09494	-.00299
#3	.00003	-.00054	-.00047	-.00059	.00172	.05487	-.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02261**	**-.00016**	**.00086**	**.01275**	**-.00059**	F **-3.4810**	**.00065**
Stddev	.00462	.00047	.00015	.02551	.00089	3.4024	.00064
%RSD	20.441	298.98	17.377	200.06	150.38	97.744	97.508
#1	.02692	-.00063	.00084	.00077	-.00024	-7.3844	.00139
#2	.02319	-.00015	.00102	.04204	.00007	-1.1430	.00037
#3	.01773	.00031	.00073	-.00456	-.00160	-1.9155	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.1000	
Low Limit						-1.0000	

Approved: February 21, 2011

Sample Name: ICB Acquired: 2/18/2011 10:57:53 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **23.590**	**-.07053**	F **2.9570**	**-.00020**	**.00316**	**.07596**	**.00074**
Stddev	7.314	.05141	2.9835	.00276	.00040	.15797	.00071
%RSD	31.006	72.895	100.90	1370.5	12.756	207.95	95.549
#1	28.521	-.03341	-.48805	-.00024	.00276	.09481	-.00008
#2	27.062	-.04897	4.6632	.00258	.00315	-.09058	.00115
#3	15.186	-.12921	4.6957	-.00294	.00356	.22366	.00116
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0400		1.0400				
Low Limit	-1.2000		-1.0400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**-.00178**	**.00161**	**-.00019**	**.00061**	**-.07125**
Stddev	.00011	.00134	.00122	.00008	.00013	.22289
%RSD	74.294	75.334	75.992	43.080	21.491	312.83
#1	-.00025	-.00023	.00164	-.00024	.00062	.16944
#2	-.00015	-.00250	.00037	-.00009	.00074	-.27054
#3	-.00004	-.00261	.00281	-.00023	.00048	-.11265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72407.**	**50510.**
Stddev	65.	212.
%RSD	.08940	.42008
#1	72365.	50752.
#2	72481.	50360.
#3	72373.	50416.

Approved: February 21, 2011

Sample Name: ICSA Acquired: 2/18/2011 11:01:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**219.65**	**-.00441**	**.03749**	**.00150**	**.00002**	**246.75**
Stddev	.00069	4.76	.00099	.00099	.00064	.00006	1.22
%RSD	106.40	2.1684	22.362	2.6400	42.403	297.77	.49446
#1	-.00011	215.26	-.00390	.03834	.00082	.00009	245.35
#2	.00080	218.99	-.00378	.03640	.00160	.00000	247.38
#3	.00123	224.71	-.00555	.03774	.00209	-.00002	247.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00179**	**.00010**	**-.00110**	F **.00659**	**97.182**	**.13911**	**.00674**
Stddev	.00015	.00015	.00056	.00017	.353	.08632	.00213
%RSD	8.3515	154.60	50.859	2.5250	.36333	62.053	31.578
#1	.00189	.00007	-.00169	.00677	96.774	.12475	.00833
#2	.00162	.00027	-.00106	.00657	97.398	.06087	.00432
#3	.00187	-.00003	-.00057	.00644	97.373	.23172	.00757
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00050			.00500			
Low Limit	-.00050			-.00500			

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**245.05**	**-.00100**	**-.00078**	**.01187**	**-.00008**	F **-206.40**	F **.01064**
Stddev	1.22	.00035	.00050	.03042	.00019	16.05	.00301
%RSD	.49791	34.747	64.261	256.27	229.41	7.7769	28.271
#1	243.64	-.00134	-.00068	.04137	.00004	-198.57	.01093
#2	245.85	-.00103	-.00133	-.01939	-.00031	-224.86	.01349
#3	245.65	-.00064	-.00034	.01363	.00002	-195.76	.00749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit						.50000	.00500
Low Limit						-.50000	-.00500

Approved: February 21, 2011

Sample Name: ICSA Acquired: 2/18/2011 11:01:35 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-30.800**	F **237.73**	F **36.420**	**-.00185**	**-.00509**	**.92052**	**.00062**
Stddev	32.194	.84	3.478	.00134	.00224	.07208	.00040
%RSD	104.53	.35274	9.5485	72.093	44.095	7.8299	64.051
#1	-42.901	237.56	40.280	-.00324	-.00595	.88281	.00037
#2	-55.190	236.99	35.446	-.00058	-.00254	.87513	.00108
#3	5.6914	238.64	33.533	-.00173	-.00677	1.0036	.00041
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.04000	.04000	.04000				
Low Limit	-.04000	-.04000	-.04000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**-.00333**	**.00076**	**-.00216**	**-.00624**	F **-4.4948**
Stddev	.00010	.00034	.00189	.00019	.00027	.3786
%RSD	21.863	10.352	247.62	8.8435	4.2502	8.4241
#1	-.00037	-.00298	.00091	-.00195	-.00606	-4.1039
#2	-.00055	-.00367	.00258	-.00223	-.00612	-4.5207
#3	-.00041	-.00335	-.00119	-.00231	-.00654	-4.8599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69004.**	**50913.**
Stddev	526.	1412.
%RSD	.76271	2.7736
#1	69163.	52465.
#2	69432.	50568.
#3	68417.	49705.

Approved: February 21, 2011

Sample Name: ICSAB Acquired: 2/18/2011 11:05:19 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46058**	**215.86**	**.24616**	**.04000**	**.24935**	**.24598**	**246.52**
Stddev	.01062	7.29	.00204	.00087	.00003	.00564	.33
%RSD	2.3061	3.3755	.82843	2.1635	.01239	2.2940	.13467
#1	.47153	224.12	.24768	.03900	.24936	.25157	246.28
#2	.45032	210.35	.24694	.04057	.24931	.24029	246.90
#3	.45990	213.09	.24384	.04042	.24937	.24608	246.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49036**	**.24294**	**.22263**	**.24720**	**97.109**	**5.0787**	**.01047**
Stddev	.00132	.00029	.00548	.00042	.144	.0262	.00164
%RSD	.26961	.11926	2.4621	.16854	.14833	.51539	15.690
#1	.48897	.24268	.22827	.24768	97.219	5.1082	.00876
#2	.49053	.24290	.21733	.24693	97.161	5.0582	.01203
#3	.49160	.24325	.22228	.24699	96.946	5.0696	.01062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**243.59**	**.24186**	**-.00092**	**5.1041**	**.48177**	F **-219.60**	**.49652**
Stddev	.05	.00119	.00022	.0133	.00170	13.44	.00095
%RSD	.01878	.49078	24.151	.26002	.35361	6.1191	.19062
#1	243.57	.24053	-.00111	5.0932	.48073	-204.99	.49552
#2	243.56	.24280	-.00097	5.1001	.48084	-231.44	.49740
#3	243.64	.24224	-.00068	5.1189	.48374	-222.38	.49664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.50000	
Low Limit						-.50000	

Approved: February 21, 2011

Sample Name: ICSAB Acquired: 2/18/2011 11:05:19 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.815**	F **237.51**	F **32.016**	**.49703**	**.24332**	**.98252**	**.00053**
Stddev	9.611	.59	1.605	.00233	.00456	.23198	.00010
%RSD	21.935	.24789	5.0140	.46864	1.8733	23.611	18.794
#1	-33.177	238.03	33.386	.49450	.24171	1.2342	.00064
#2	-46.396	236.87	32.412	.49909	.24847	.77734	.00045
#3	-51.871	237.64	30.249	.49750	.23980	.93599	.00050
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.60000	.60000	.60000				
Low Limit	.40000	.40000	.40000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00215**	**.45712**	**.23040**	**.47304**	F **-4.2729**
Stddev	.00020	.00095	.00337	.00515	.00026	.2261
%RSD	73.421	44.255	.73684	2.2371	.05472	5.2905
#1	-.00009	-.00221	.45570	.23533	.47332	-4.5077
#2	-.00049	-.00308	.45470	.22505	.47281	-4.2541
#3	-.00025	-.00118	.46097	.23083	.47300	-4.0568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69688.**	**52391.**
Stddev	1274.	547.
%RSD	1.8283	1.0433
#1	68255.	52008.
#2	70116.	53017.
#3	70692.	52149.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 11:08:57 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39504**	**9.9713**	**.40429**	**.49478**	**1.0150**	**.04900**	**10.139**
Stddev	.00933	.2467	.00164	.00705	.0034	.00104	.017
%RSD	2.3624	2.4739	.40620	1.4244	.33110	2.1203	.16762
#1	.38905	9.7979	.40364	.49061	1.0112	.04815	10.129
#2	.39028	9.8623	.40307	.49082	1.0177	.04869	10.128
#3	.40579	10.254	.40616	.50292	1.0160	.05015	10.158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05091**	**.20400**	**.49467**	**.50666**	**4.0693**	**50.984**	**1.0203**
Stddev	.00010	.00049	.01189	.00332	.0171	.198	.0057
%RSD	.20381	.24229	2.4045	.65458	.42151	.38801	.56253
#1	.05103	.20434	.48438	.50903	4.0512	50.759	1.0136
#2	.05088	.20422	.49194	.50807	4.0853	51.065	1.0240
#3	.05083	.20343	.50769	.50287	4.0715	51.129	1.0232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.193**	**.51002**	**1.0168**	**51.206**	**.50887**	F **7.3690**	**.50770**
Stddev	.013	.00106	.0030	.270	.00154	2.0540	.00141
%RSD	.12318	.20844	.29641	.52682	.30293	27.874	.27840
#1	10.203	.50960	1.0186	50.894	.51044	9.5699	.50633
#2	10.179	.50923	1.0185	51.370	.50879	5.5029	.50764
#3	10.198	.51123	1.0134	51.353	.50736	7.0343	.50915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 11:08:57 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-3.9843**	**10.277**	F **8.9470**	**1.2279**	**.40472**	F **4.3980**	**1.0178**
Stddev	26.041	.067	2.7737	.0021	.00038	.0324	.0043
%RSD	653.59	.64958	31.002	.17434	.09288	.73673	.42683
#1	-30.498	10.350	9.8268	1.2257	.40429	4.3876	1.0227
#2	21.558	10.220	11.174	1.2300	.40497	4.4343	1.0162
#3	-3.0130	10.260	5.8400	1.2280	.40489	4.3721	1.0145
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0173**	**1.0112**	**.51154**	**.98500**	**1.0076**	F **.71346**
Stddev	.0018	.0029	.00223	.01970	.0059	.26223
%RSD	.17217	.28992	.43524	2.0003	.58781	36.755
#1	1.0154	1.0141	.51021	.97005	1.0134	.70330
#2	1.0189	1.0083	.51411	.97764	1.0078	.98062
#3	1.0176	1.0114	.51031	1.0073	1.0015	.45645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						-10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**70648.**	**49832.**
Stddev	2509.	1514.
%RSD	3.5519	3.0380
#1	68143.	51357.
#2	70638.	49812.
#3	73162.	48329.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 11:12:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**.00098**	**.00177**	**.00013**	**.00018**	**.00003**	**-.00686**
Stddev	.00017	.00487	.00164	.00120	.00021	.00001	.01409
%RSD	17.916	497.23	92.698	897.07	113.63	31.506	205.24
#1	.00115	-.00078	.00313	-.00123	-.00005	.00003	.00598
#2	.00093	-.00277	.00221	.00064	.00027	.00003	-.00464
#3	.00081	.00649	-.00005	.00099	.00033	.00002	-.02193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00002**	**-.00024**	**-.00069**	**.00478**	**.01202**	**-.00337**
Stddev	.00010	.00014	.00032	.00010	.00618	.06724	.00184
%RSD	100.30	849.96	135.22	13.943	129.31	559.54	54.563
#1	.00001	-.00017	-.00006	-.00065	-.00205	-.04548	-.00533
#2	-.00018	.00004	-.00005	-.00080	.00641	-.00441	-.00311
#3	-.00013	.00008	-.00061	-.00062	.00997	.08594	-.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**-.00006**	**.00053**	**.01012**	**.00065**	F **-4.2060**	**-.00119**
Stddev	.00899	.00077	.00015	.02706	.00064	6.0933	.00128
%RSD	973.88	1387.8	28.614	267.41	98.672	144.87	108.30
#1	-.00580	.00076	.00063	.04107	-.00003	.97284	.00027
#2	.01114	-.00075	.00036	-.00167	.00074	-2.6706	-.00166
#3	-.00256	-.00018	.00060	-.00904	.00125	-10.920	-.00216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 11:12:29 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.852**	**-.10492**	F **4.8765**	**-.00168**	**.00001**	**-.18948**	**.00059**
Stddev	27.822	.07785	.2665	.00301	.00399	.20175	.00033
%RSD	234.75	74.198	5.4644	179.22	28277.	106.47	57.153
#1	-43.648	-.01910	4.6333	-.00457	-.00373	-.25259	.00039
#2	.0686	-.12467	4.8349	-.00188	.00421	-.35213	.00039
#3	8.0237	-.17099	5.1613	.00143	-.00043	.03627	.00097
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00087**	**.00168**	**.00028**	**.00004**	F **.20277**
Stddev	.00016	.00199	.00174	.00006	.00010	.25825
%RSD	59.291	228.01	103.75	21.021	282.56	127.36
#1	-.00009	.00111	.00201	.00025	-.00008	.17342
#2	-.00037	-.00122	-.00020	.00034	.00012	.47444
#3	-.00036	.00273	.00323	.00024	.00007	-.03954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74279.**	**53379.**
Stddev	112.	908.
%RSD	.15042	1.7017
#1	74188.	54247.
#2	74245.	53454.
#3	74404.	52435.

Approved: February 21, 2011

Sample Name: PBS 2P Acquired: 2/18/2011 11:16:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00772**	**.00094**	**.00062**	**.00078**	**.00000**	**-.01941**
Stddev	.00077	.00412	.00181	.00109	.00053	.0000	.00474
%RSD	126.94	53.394	192.43	177.02	68.954	637.18	24.409
#1	.00033	.00530	-.00110	.00105	.00087	.00003	-.01415
#2	.00002	.01249	.00158	-.00062	.00126	-.00002	-.02074
#3	.00148	.00539	.00234	.00143	.00020	-.00002	-.02334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00017**	**.00034**	**-.00067**	**-.00288**	**-.05105**	**-.00370**
Stddev	.0002	.00028	.00064	.00040	.01254	.04229	.00234
%RSD	6467.1	161.05	185.14	60.311	435.01	82.832	63.199
#1	-.00010	.00014	-.00015	-.00113	.00636	-.00241	-.00125
#2	.00018	-.00025	.00012	-.00039	-.01716	-.07169	-.00396
#3	-.00009	-.00041	.00106	-.00049	.00215	-.07905	-.00591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00908**	**.00053**	**.00002**	**-.00280**	**.00086**	F **-12.113**	**.00116**
Stddev	.01482	.00003	.00021	.00963	.00042	3.455	.00099
%RSD	163.17	4.8896	1026.4	343.81	48.740	28.526	85.680
#1	.02220	.00055	-.00021	.00607	.00069	-8.8449	.00004
#2	.01204	.00052	.00006	-.01304	.00134	-15.729	.00150
#3	-.00699	.00051	.00022	-.00143	.00056	-11.764	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS 2P Acquired: 2/18/2011 11:16:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.0255**	F **-.04851**	**2.8495**	**-.00240**	**.00583**	**.15410**	**.00059**
Stddev	20.602	.07510	1.8531	.00093	.00368	.20596	.00025
%RSD	256.71	154.82	65.032	38.750	63.242	133.66	42.179
#1	9.9024	-.13108	.72164	-.00325	.00569	.01436	.00040
#2	-3.4473	-.03014	3.7183	-.00141	.00221	.05730	.00050
#3	-30.532	.01570	4.1087	-.00255	.00958	.39063	.00087
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00138**	**.00183**	**-.00038**	**.00142**	**.17392**
Stddev	.00021	.00058	.00102	.00027	.00003	.21976
%RSD	116.00	42.269	55.639	71.935	2.1708	126.36
#1	-.00031	.00164	.00070	-.00009	.00143	-.07876
#2	-.00030	.00178	.00211	-.00064	.00145	.28002
#3	.00006	.00071	.00268	-.00041	.00139	.32051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76119.**	**51179.**
Stddev	406.	790.
%RSD	.53330	1.5429
#1	76132.	50817.
#2	76519.	50634.
#3	75707.	52084.

Approved: February 21, 2011

Sample Name: LCSS 2P Acquired: 2/18/2011 11:19:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18218**	**4.4177**	**.18302**	**.86827**	**.47389**	**.02312**	**4.7138**
Stddev	.00213	.0462	.00328	.00812	.00133	.00026	.0268
%RSD	1.1694	1.0468	1.7921	.93554	.28058	1.1326	.56849
#1	.18221	4.4403	.18211	.87298	.47243	.02330	4.6868
#2	.18004	4.3645	.18030	.85889	.47503	.02282	4.7144
#3	.18430	4.4482	.18666	.87294	.47420	.02325	4.7404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02317**	**.09576**	**.23322**	**.23357**	**1.8637**	**23.576**	**.47792**
Stddev	.00013	.00020	.00337	.00167	.0046	.162	.00041
%RSD	.57953	.21050	1.4431	.71713	.24460	.68720	.08680
#1	.02328	.09598	.23546	.23165	1.8601	23.390	.47834
#2	.02302	.09573	.22935	.23429	1.8688	23.652	.47751
#3	.02321	.09558	.23485	.23476	1.8623	23.686	.47793
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7382**	**.23655**	**.49886**	**24.318**	**.23857**	F **-9.0341**	**.23498**
Stddev	.0207	.00100	.00044	.034	.00068	15.465	.00111
%RSD	.43577	.42411	.08736	.14144	.28393	171.18	.47195
#1	4.7321	.23639	.49882	24.287	.23934	-6.5134	.23626
#2	4.7612	.23563	.49845	24.355	.23807	-25.604	.23428
#3	4.7212	.23762	.49932	24.311	.23830	5.0155	.23440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS 2P Acquired: 2/18/2011 11:19:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-5.1243**	**4.7140**	**7.9975**	**.54535**	**.18334**	F **271.98**	**.48777**
Stddev	15.504	.0213	.7128	.00182	.00261	.58	.00057
%RSD	302.56	.45231	8.9127	.33322	1.4246	.21405	.11687
#1	12.741	4.7130	8.0782	.54579	.18047	271.95	.48780
#2	-13.059	4.6931	7.2479	.54335	.18558	271.42	.48719
#3	-15.055	4.7357	8.6666	.54690	.18397	272.58	.48833
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000					90.000	
Low Limit	-.00400					-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47347**	**.46969**	**.23547**	**.47919**	**.47324**	**.87565**
Stddev	.00166	.00254	.00267	.00522	.00037	.34843
%RSD	.35061	.54061	1.1322	1.0895	.07798	39.791
#1	.47156	.46738	.23283	.48188	.47349	1.1115
#2	.47452	.46927	.23543	.47317	.47282	.47544
#3	.47433	.47241	.23816	.48251	.47342	1.0400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72906.**	**52807.**
Stddev	167.	681.
%RSD	.22940	1.2900
#1	73085.	52704.
#2	72753.	53534.
#3	72880.	52183.

Approved: February 21, 2011

Sample Name: L1102044701 Acquired: 2/18/2011 11:23:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**118.66**	**.09735**	**.15727**	**1.3040**	**.01105**	**19.117**
Stddev	.00042	1.65	.00128	.00148	.0038	.00002	.055
%RSD	54.482	1.3934	1.3133	.93854	.29319	.19131	.28912
#1	.00104	117.00	.09809	.15739	1.2998	.01104	19.053
#2	.00100	118.69	.09588	.15574	1.3049	.01108	19.147
#3	.00029	120.30	.09809	.15869	1.3073	.01104	19.151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00167**	**.21207**	**.22860**	**.24502**	**377.21**	**7.9190**	**.28224**
Stddev	.00008	.00033	.00067	.00133	1.00	.0930	.00129
%RSD	4.5112	.15333	.29284	.54372	.26406	1.1738	.45794
#1	.00176	.21241	.22820	.24393	376.18	7.8182	.28142
#2	.00161	.21204	.22822	.24461	377.29	8.0014	.28373
#3	.00164	.21176	.22937	.24650	378.17	7.9375	.28158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.576**	**15.132**	**.01051**	**.23810**	**.14446**	F **18212.**	**.33136**
Stddev	.046	.019	.00025	.01309	.00031	35.	.00116
%RSD	.34103	.12270	2.3764	5.4983	.21483	.19083	.34859
#1	13.523	15.112	.01022	.22640	.14449	18237.	.33064
#2	13.605	15.148	.01061	.23566	.14476	18228.	.33269
#3	13.600	15.135	.01069	.25224	.14414	18173.	.33075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044701 Acquired: 2/18/2011 11:23:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.097**	F **108.45**	F **-3157.5**	**.00520**	**.01958**	F **261.36**	**.01181**
Stddev	18.108	.16	10.1	.00083	.00212	.67	.00032
%RSD	32.866	.14440	.32075	16.010	10.808	.25533	2.7323
#1	-67.853	108.31	-3147.0	.00614	.02198	260.77	.01184
#2	-63.068	108.43	-3158.3	.00490	.01798	261.22	.01212
#3	-34.371	108.62	-3167.2	.00456	.01878	262.08	.01147
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06837**	**.49182**	**.02212**	**.54490**	**.41516**	F **83.375**
Stddev	.00024	.00662	.00312	.00192	.00048	.212
%RSD	.35048	1.3454	14.103	.35225	.11578	.25488
#1	.06810	.49449	.02069	.54269	.41529	83.134
#2	.06856	.49669	.02570	.54608	.41557	83.454
#3	.06845	.48428	.01997	.54594	.41463	83.537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74594.**	**55688.**
Stddev	497.	811.
%RSD	.66596	1.4559
#1	74259.	56429.
#2	74358.	55815.
#3	75165.	54822.

Approved: February 21, 2011

Sample Name: L1102044702 Acquired: 2/18/2011 11:26:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**92.163**	**.06954**	**.11328**	**1.1053**	**.00912**	**18.928**
Stddev	.00056	.901	.00157	.00067	.0012	.00009	.020
%RSD	147.00	.97790	2.2606	.58731	.11032	.93365	.10748
#1	-.00018	91.240	.07033	.11292	1.1067	.00908	18.949
#2	.00037	93.041	.06773	.11287	1.1046	.00922	18.908
#3	.00094	92.209	.07056	.11405	1.1046	.00907	18.927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**.13705**	**.17402**	**.17225**	**276.14**	**5.3339**	**.15462**
Stddev	.00009	.00031	.00140	.00125	.25	.0404	.00199
%RSD	6.6827	.22510	.80504	.72841	.08905	.75683	1.2859
#1	.00141	.13676	.17297	.17209	276.40	5.2911	.15250
#2	.00134	.13702	.17561	.17109	276.11	5.3394	.15489
#3	.00123	.13737	.17348	.17359	275.91	5.3713	.15645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.009**	**12.386**	**.00645**	**.21163**	**.10429**	F **13889.**	**.25631**
Stddev	.060	.028	.00011	.01303	.00059	32.	.00182
%RSD	.54303	.22545	1.7630	6.1592	.56176	.23390	.70916
#1	11.057	12.414	.00633	.21608	.10427	13860.	.25561
#2	11.028	12.386	.00655	.19696	.10488	13884.	.25495
#3	10.942	12.358	.00647	.22186	.10371	13924.	.25838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044702 Acquired: 2/18/2011 11:26:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.140**	F **90.010**	F **-2505.0**	**.00013**	**.01863**	F **168.91**	**.00853**
Stddev	7.056	.351	11.9	.00271	.00168	.67	.00024
%RSD	12.795	.39006	.47622	2102.0	9.0310	.39637	2.8173
#1	-56.156	90.069	-2513.3	.00177	.01800	169.67	.00831
#2	-47.632	89.634	-2491.3	.00162	.01736	168.41	.00848
#3	-61.633	90.328	-2510.4	-.00300	.02054	168.64	.00878
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05295**	**.29511**	**.01532**	**.41893**	**.28864**	F **71.161**
Stddev	.00027	.00408	.00232	.00248	.00064	.887
%RSD	.50780	1.3824	15.159	.59095	.22221	1.2471
#1	.05326	.29637	.01794	.41822	.28830	70.742
#2	.05284	.29841	.01350	.42168	.28825	72.180
#3	.05275	.29055	.01453	.41689	.28938	70.560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79069.**	**57645.**
Stddev	49.	287.
%RSD	.06255	.49816
#1	79096.	57814.
#2	79012.	57313.
#3	79099.	57807.

Approved: February 21, 2011

Sample Name: L1102044703S Acquired: 2/18/2011 11:30:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16551**	**120.79**	**.26204**	**.79473**	**1.6238**	**.03050**	**21.484**
Stddev	.00130	1.29	.00072	.00621	.0089	.00040	.089
%RSD	.78359	1.0687	.27404	.78154	.55141	1.2993	.41282
#1	.16697	121.86	.26123	.80044	1.6145	.03088	21.411
#2	.16451	121.15	.26230	.78812	1.6247	.03009	21.459
#3	.16504	119.36	.26259	.79562	1.6323	.03052	21.582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02264**	**.27125**	**.42114**	**.44372**	**347.17**	**28.262**	**.69205**
Stddev	.00015	.00008	.00528	.00197	1.59	.139	.00240
%RSD	.67277	.02993	1.2534	.44387	.45928	.49076	.34725
#1	.02247	.27134	.42564	.44378	345.47	28.111	.68974
#2	.02272	.27119	.41533	.44173	347.41	28.384	.69187
#3	.02274	.27123	.42243	.44567	348.64	28.290	.69454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.983**	**14.195**	**.45802**	**22.316**	**.35744**	F **17242.**	**.50069**
Stddev	.066	.059	.00071	.161	.00122	16.	.00245
%RSD	.39075	.41757	.15399	.72260	.34176	.09503	.48982
#1	16.914	14.133	.45778	22.160	.35635	17253.	.50335
#2	16.990	14.203	.45748	22.305	.35876	17250.	.50021
#3	17.046	14.251	.45882	22.482	.35721	17223.	.49852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044703S Acquired: 2/18/2011 11:30:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-74.066**	F **104.43**	F **-2924.4**	**.49336**	**.17615**	F **644.59**	**.44321**
Stddev	2.414	.34	13.5	.00320	.00268	5.22	.00081
%RSD	3.2593	.32238	.46249	.64877	1.5234	.81058	.18265
#1	-74.434	104.49	-2921.5	.49430	.17881	649.29	.44337
#2	-76.275	104.07	-2912.6	.48979	.17620	645.53	.44233
#3	-71.490	104.73	-2939.1	.49598	.17344	638.96	.44393
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49368**	**1.2456**	**.22672**	**.95011**	**.80614**	F **58.339**
Stddev	.00186	.0057	.00133	.01028	.00076	.490
%RSD	.37768	.45982	.58446	1.0815	.09426	.83957
#1	.49155	1.2455	.22770	.95909	.80544	58.894
#2	.49501	1.2399	.22725	.93891	.80603	57.968
#3	.49449	1.2514	.22521	.95234	.80695	58.155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77983.**	**58867.**
Stddev	230.	269.
%RSD	.29530	.45709
#1	78248.	58643.
#2	77831.	59165.
#3	77871.	58792.

Approved: February 21, 2011

Sample Name: L1102044704SD Acquired: 2/18/2011 11:34:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16629**	**119.09**	**.24198**	**.77565**	**1.4670**	**.02908**	**22.320**
Stddev	.00120	2.37	.00352	.00233	.0018	.00011	.058
%RSD	.71911	1.9880	1.4556	.30071	.12388	.36976	.25894
#1	.16556	116.39	.23858	.77347	1.4668	.02897	22.254
#2	.16767	120.80	.24177	.77811	1.4689	.02919	22.344
#3	.16565	120.08	.24561	.77538	1.4653	.02908	22.362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**.22112**	**.38879**	**.38582**	**279.73**	**27.178**	**.64514**
Stddev	.00013	.00047	.00110	.00255	.40	.108	.00593
%RSD	.57836	.21312	.28360	.66171	.14249	.39670	.91971
#1	.02221	.22058	.38787	.38330	279.33	27.068	.64118
#2	.02245	.22136	.39001	.38575	280.13	27.284	.65197
#3	.02226	.22143	.38848	.38841	279.73	27.181	.64229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.697**	**10.754**	**.45260**	**22.032**	**.31892**	F **14789.**	**.47739**
Stddev	.052	.034	.00193	.060	.00040	40.	.00321
%RSD	.33062	.31595	.42547	.27211	.12687	.26773	.67229
#1	15.641	10.715	.45040	22.057	.31868	14743.	.47498
#2	15.743	10.774	.45344	22.075	.31939	14806.	.48104
#3	15.708	10.773	.45397	21.964	.31869	14817.	.47617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044704SD Acquired: 2/18/2011 11:34:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356852-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.743**	F **99.815**	F **-2731.6**	**.48698**	**.16941**	F **567.18**	**.36961**
Stddev	12.220	.322	14.5	.00502	.00074	.62	.00133
%RSD	18.875	.32276	.53106	1.0308	.43809	.10848	.36093
#1	-75.763	99.444	-2717.4	.48518	.16921	567.88	.36822
#2	-51.601	99.972	-2730.9	.48311	.16880	566.73	.36974
#3	-66.867	100.03	-2746.4	.49265	.17024	566.93	.37087
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48355**	**.99866**	**.22080**	**.87727**	**.74644**	F **53.375**
Stddev	.00175	.00333	.00030	.00418	.00214	.209
%RSD	.36256	.33373	.13807	.47634	.28607	.39088
#1	.48157	.99643	.22108	.87284	.74413	53.387
#2	.48490	.99706	.22085	.88114	.74684	53.161
#3	.48417	1.0025	.22047	.87784	.74835	53.577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78287.**	**57398.**
Stddev	327.	192.
%RSD	.41802	.33503
#1	78664.	57403.
#2	78112.	57204.
#3	78084.	57588.

Approved: February 21, 2011

Sample Name: L1102044706 Acquired: 2/18/2011 11:37:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01323**	**295.48**	**.14756**	**.40506**	**.35958**	**.01265**	**5.8014**
Stddev	.00089	8.36	.00336	.00470	.00057	.00038	.0370
%RSD	6.7639	2.8304	2.2737	1.1600	.15979	2.9986	.63752
#1	.01239	288.08	.14984	.40295	.35901	.01230	5.7903
#2	.01313	293.81	.14371	.41044	.35957	.01260	5.7713
#3	.01417	304.56	.14913	.40178	.36016	.01306	5.8427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.07888**	**.74045**	**.60542**	F **1051.0**	**8.6356**	**.32622**
Stddev	.00020	.00013	.01754	.00423	14.7	.0260	.00176
%RSD	13.840	.17047	2.3695	.69892	1.3988	.30109	.53846
#1	.00143	.07891	.72694	.60948	1034.1	8.6058	.32511
#2	.00164	.07873	.73413	.60103	1058.2	8.6472	.32530
#3	.00124	.07899	.76028	.60576	1060.7	8.6538	.32824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					900.00		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.730**	**.99897**	**.01313**	**.19800**	**.31109**	F **7352.8**	**.32340**
Stddev	.046	.00157	.00053	.01412	.00077	42.7	.00217
%RSD	.31384	.15686	4.0149	7.1306	.24822	.58132	.67248
#1	14.680	.99749	.01264	.21387	.31038	7303.5	.32591
#2	14.738	.99880	.01369	.19331	.31191	7378.9	.32224
#3	14.771	1.0006	.01308	.18683	.31099	7376.1	.32206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044706 Acquired: 2/18/2011 11:37:41 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-15.909**	F **52.271**	F **-1657.0**	**.02208**	**.01696**	F **336.66**	**.03436**
Stddev	17.775	.234	9.3	.00178	.00179	2.04	.00056
%RSD	111.73	.44851	.56370	8.0700	10.569	.60592	1.6181
#1	-12.569	52.158	-1655.6	.02072	.01895	334.72	.03406
#2	-35.117	52.115	-1648.5	.02143	.01647	336.47	.03500
#3	-.0411	52.541	-1667.0	.02410	.01546	338.79	.03403
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05199**	**.95569**	**.05354**	**1.8213**	**.29474**	F **514.01**
Stddev	.00028	.00393	.00130	.0486	.00082	9.39
%RSD	.53954	.41097	2.4298	2.6668	.27656	1.8268
#1	.05167	.95893	.05311	1.7796	.29394	505.18
#2	.05210	.95683	.05251	1.8096	.29470	512.98
#3	.05219	.95132	.05500	1.8746	.29557	523.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76629.**	**52634.**
Stddev	150.	371.
%RSD	.19604	.70557
#1	76457.	53017.
#2	76733.	52275.
#3	76697.	52608.

Approved: February 21, 2011

Sample Name: L1102044706PS Acquired: 2/18/2011 11:41:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356945-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19136**	**260.31**	**.31572**	**1.1952**	**.79020**	**.03366**	**9.8941**
Stddev	.00114	1.69	.00196	.0086	.00089	.00012	.0201
%RSD	.59324	.64892	.62099	.71802	.11323	.36064	.20313
#1	.19039	258.36	.31492	1.1872	.79049	.03359	9.8711
#2	.19261	261.22	.31429	1.2042	.79092	.03380	9.9079
#3	.19107	261.34	.31796	1.1940	.78920	.03359	9.9034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02421**	**.16139**	**.85619**	**.76183**	F **959.79**	**31.154**	**.76752**
Stddev	.00024	.00040	.00373	.00277	11.71	.062	.00361
%RSD	.99663	.25029	.43563	.36330	1.2195	.19779	.47044
#1	.02396	.16095	.85502	.76438	950.34	31.082	.77143
#2	.02444	.16174	.86037	.75889	972.89	31.191	.76432
#3	.02422	.16148	.85319	.76221	956.15	31.187	.76682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					900.00		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.657**	**1.1215**	**.49562**	**24.200**	**.50557**	F **6618.5**	**.50784**
Stddev	.036	.0021	.00032	.038	.00100	25.1	.00032
%RSD	.20540	.18438	.06509	.15847	.19763	.37919	.06286
#1	17.637	1.1197	.49598	24.223	.50563	6635.7	.50756
#2	17.699	1.1210	.49554	24.220	.50654	6630.1	.50776
#3	17.636	1.1237	.49535	24.155	.50454	6589.7	.50819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044706PS Acquired: 2/18/2011 11:41:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356945-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.683**	F **51.767**	F **-1499.3**	**.55472**	**.19836**	F **561.44**	**.03140**
Stddev	2.457	.011	3.5	.00353	.00230	1.07	.00028
%RSD	3.9189	.02071	.23358	.63581	1.1589	.19062	.87675
#1	-64.829	51.779	-1495.3	.55849	.19968	562.07	.03122
#2	-63.217	51.762	-1501.9	.55151	.19969	562.05	.03172
#3	-60.003	51.758	-1500.7	.55415	.19570	560.21	.03127
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51753**	**1.3047**	**.26649**	**2.0434**	**.71755**	F **463.04**
Stddev	.00122	.0017	.00149	.0080	.00021	2.53
%RSD	.23545	.13048	.55993	.39370	.02978	.54710
#1	.51613	1.3038	.26623	2.0396	.71731	461.55
#2	.51814	1.3067	.26514	2.0526	.71770	465.97
#3	.51832	1.3038	.26809	2.0379	.71765	461.62
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75881.**	**56650.**
Stddev	160.	388.
%RSD	.21111	.68523
#1	76049.	56859.
#2	75863.	56202.
#3	75730.	56889.

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 11:45:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00288**	**70.687**	**.03132**	**.08973**	**.07306**	**.00258**	**1.1969**
Stddev	.00135	.712	.00151	.00077	.00049	.00003	.0106
%RSD	47.054	1.0073	4.8315	.85341	.67224	1.3400	.88222
#1	.00148	69.917	.02977	.09021	.07322	.00259	1.2078
#2	.00298	70.824	.03280	.09013	.07251	.00254	1.1867
#3	.00418	71.321	.03140	.08885	.07345	.00260	1.1961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01698**	**.15518**	**.12853**	**227.01**	**1.7272**	**.06459**
Stddev	.00013	.00008	.00209	.00214	.55	.0784	.00264
%RSD	75.822	.46164	1.3438	1.6677	.24013	4.5404	4.0838
#1	.00015	.01701	.15279	.12608	226.52	1.6373	.06740
#2	.00005	.01690	.15611	.12943	226.92	1.7632	.06419
#3	.00030	.01705	.15663	.13008	227.60	1.7813	.06217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1259**	**.20737**	**.00249**	**.04308**	**.06789**	F **1584.2**	**.06872**
Stddev	.0263	.00073	.00001	.00483	.00049	17.6	.00268
%RSD	.84117	.35225	.40273	11.206	.71890	1.1117	3.8927
#1	3.1513	.20684	.00249	.03894	.06828	1581.8	.06777
#2	3.1275	.20821	.00250	.04191	.06805	1568.0	.06665
#3	3.0988	.20707	.00248	.04838	.06734	1602.9	.07174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 11:45:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-38.629**	F **11.053**	F **-349.69**	**.00137**	**.00496**	**71.054**	**.00743**
Stddev	16.987	.174	2.37	.00093	.00232	1.092	.00028
%RSD	43.975	1.5731	.67791	67.968	46.755	1.5372	3.7646
#1	-57.765	10.882	-347.18	.00234	.00763	70.277	.00718
#2	-32.788	11.049	-351.89	.00048	.00387	70.583	.00773
#3	-25.332	11.229	-350.01	.00128	.00339	72.303	.00737
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.19490**	**.01434**	**.37535**	**.06329**	F **97.038**
Stddev	.00014	.00249	.00106	.00434	.00044	.147
%RSD	1.3573	1.2756	7.3833	1.1560	.70132	.15108
#1	.01057	.19445	.01330	.37082	.06301	97.093
#2	.01047	.19267	.01429	.37576	.06305	97.150
#3	.01075	.19758	.01542	.37947	.06380	96.872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77611.**	**55762.**
Stddev	255.	482.
%RSD	.32888	.86355
#1	77677.	56259.
#2	77329.	55730.
#3	77826.	55298.

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 11:48:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**15.950**	**.00691**	**.01875**	**.01587**	**.00058**	**.22580**
Stddev	.00031	.097	.00271	.00043	.00060	.00002	.00629
%RSD	46.107	.60654	39.185	2.3032	3.7994	3.4714	2.7845
#1	.00042	15.852	.00627	.01897	.01656	.00056	.22695
#2	.00101	15.952	.00988	.01902	.01562	.00058	.23144
#3	.00056	16.045	.00458	.01825	.01543	.00060	.21902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00376**	**.03355**	**.02730**	**47.302**	**.33333**	**.01239**
Stddev	.00009	.00019	.00097	.00025	.108	.02918	.00216
%RSD	114.99	4.9762	2.8863	.90155	.22923	8.7539	17.409
#1	-.00001	.00356	.03395	.02745	47.348	.31969	.01356
#2	-.00017	.00393	.03245	.02744	47.380	.31347	.00990
#3	-.00005	.00379	.03426	.02702	47.178	.36683	.01371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66661**	**.04395**	**.00005**	**-.00778**	**.01437**	**339.90**	**.01493**
Stddev	.03288	.00042	.00030	.01593	.00063	3.77	.00369
%RSD	4.9330	.96688	621.08	204.78	4.4074	1.1091	24.721
#1	.63660	.04383	.00033	.00029	.01385	335.60	.01153
#2	.70176	.04442	-.00026	-.02612	.01419	341.45	.01440
#3	.66147	.04360	.00007	.00250	.01508	342.64	.01886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 11:48:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.371**	**2.1575**	F **-69.805**	**-.00205**	**.00271**	**14.234**	**.00122**
Stddev	3.600	.0571	3.154	.00221	.00266	.175	.00005
%RSD	18.583	2.6474	4.5183	107.69	98.200	1.2295	4.3351
#1	-15.404	2.0941	-72.537	-.00054	.00575	14.097	.00128
#2	-22.428	2.1735	-66.353	-.00103	.00085	14.174	.00119
#3	-20.283	2.2049	-70.524	-.00459	.00152	14.431	.00119
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**.03850**	**.00391**	**.08035**	**.01407**	**17.969**
Stddev	.00005	.00077	.00047	.00087	.00013	.227
%RSD	2.7722	1.9947	11.939	1.0802	.89217	1.2631
#1	.00193	.03762	.00417	.07935	.01412	18.202
#2	.00202	.03882	.00337	.08074	.01393	17.749
#3	.00193	.03904	.00418	.08095	.01417	17.956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77214.**	**53277.**
Stddev	233.	232.
%RSD	.30169	.43465
#1	77215.	53537.
#2	76980.	53201.
#3	77446.	53092.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 11:52:17 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37689**	**9.4812**	**.38187**	**.47114**	**.94990**	**.04669**	**9.5222**
Stddev	.00149	.0731	.00050	.00268	.00220	.00026	.0289
%RSD	.39535	.77043	.12970	.56789	.23157	.55463	.30296
#1	.37758	9.4794	.38158	.47275	.95243	.04687	9.5466
#2	.37790	9.5551	.38158	.47262	.94873	.04681	9.4904
#3	.37518	9.4090	.38244	.46805	.94853	.04639	9.5295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04796**	**.19211**	**.47033**	**.47708**	**3.8541**	**47.760**	**.95486**
Stddev	.00019	.00040	.00140	.00096	.0107	.165	.00142
%RSD	.40609	.20655	.29683	.20180	.27863	.34468	.14914
#1	.04786	.19181	.47140	.47656	3.8665	47.633	.95326
#2	.04784	.19197	.47084	.47819	3.8482	47.946	.95599
#3	.04818	.19256	.46875	.47648	3.8476	47.702	.95532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5500**	**.47966**	**.95764**	**47.883**	**.48004**	F **5.2606**	**.48038**
Stddev	.0312	.00206	.00156	.103	.00172	5.8799	.00244
%RSD	.32703	.42921	.16308	.21479	.35905	111.77	.50692
#1	9.5801	.48145	.95945	48.002	.48032	-.89698	.47791
#2	9.5520	.48013	.95672	47.826	.47819	5.8623	.48046
#3	9.5178	.47741	.95676	47.822	.48161	10.817	.48278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 11:52:17 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-18.748**	**9.6303**	F **11.667**	**1.1545**	**.37777**	F **4.4124**	**.96045**
Stddev	12.699	.0724	2.014	.0045	.00372	.0484	.00132
%RSD	67.735	.75166	17.264	.39174	.98383	1.0967	.13755
#1	-6.9081	9.6977	9.3604	1.1511	.38101	4.4243	.95895
#2	-17.177	9.5538	13.081	1.1529	.37859	4.3592	.96101
#3	-32.160	9.6395	12.558	1.1597	.37371	4.4537	.96141
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95486**	**.95021**	**.48266**	**.94164**	**.94970**	F **9.7894**
Stddev	.00164	.00414	.00095	.00329	.00090	.7402
%RSD	.17138	.43597	.19678	.34949	.09515	7.5618
#1	.95559	.94579	.48370	.94388	.94895	8.9356
#2	.95600	.95083	.48244	.94318	.94945	10.182
#3	.95298	.95401	.48184	.93786	.95070	10.251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73542.**	**52263.**
Stddev	331.	207.
%RSD	.44979	.39555
#1	73322.	52132.
#2	73381.	52155.
#3	73922.	52501.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 11:55:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00644**	**.00023**	**.00044**	**.00074**	**.00004**	**-.00217**
Stddev	.00035	.00649	.00083	.00118	.00024	.00002	.01967
%RSD	34.575	100.79	360.32	267.90	32.887	40.395	906.73
#1	.00063	.01135	.00013	.00067	.00051	.00005	.01662
#2	.00110	-.00092	.00110	-.00084	.00100	.00005	-.00052
#3	.00132	.00889	-.00054	.00149	.00071	.00002	-.02262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00010**	**.00007**	**-.00118**	**.00278**	**.01405**	**-.00196**
Stddev	.00016	.00022	.00058	.00036	.00420	.11265	.00175
%RSD	799.37	220.78	798.49	30.316	151.26	801.93	88.947
#1	.00017	.00000	-.00038	-.00144	.00222	.13783	-.00368
#2	-.00009	-.00006	.00072	-.00077	.00723	-.08246	-.00019
#3	-.00014	.00036	-.00013	-.00132	-.00112	-.01322	-.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01316**	**.00060**	**.00055**	**.02818**	**.00024**	F **-7.0967**	**.00046**
Stddev	.02496	.00039	.00011	.00460	.00022	1.7264	.00197
%RSD	189.72	64.104	19.351	16.319	89.904	24.327	431.67
#1	-.01566	.00105	.00062	.03321	.00019	-8.1800	-.00125
#2	.02715	.00039	.00042	.02713	.00006	-8.0044	.00000
#3	.02798	.00037	.00060	.02419	.00048	-5.1058	.00262
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 11:55:49 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-6.3244**	**-.01674**	F **2.2594**	**-.00379**	**.00250**	**.21732**	**.00069**
Stddev	17.173	.00943	1.5250	.00291	.00219	.09240	.00037
%RSD	271.53	56.327	67.497	76.778	87.466	42.519	53.301
#1	11.484	-.02681	.49870	-.00713	.00281	.11092	.00029
#2	-7.6759	-.01529	3.1136	-.00251	.00452	.26362	.00100
#3	-22.782	-.00812	3.1658	-.00175	.00018	.27741	.00077
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00014**	**.00121**	**-.00001**	**.00010**	F **.57921**
Stddev	.00015	.00184	.00016	.00016	.00008	.07880
%RSD	198.00	1336.9	12.983	1427.1	85.093	13.604
#1	-.00022	-.00226	.00117	.00014	.00010	.52521
#2	-.00008	.00080	.00107	.00001	.00018	.54279
#3	.00008	.00105	.00138	-.00018	.00001	.66964
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75106.**	**52417.**
Stddev	285.	91.
%RSD	.37966	.17339
#1	75432.	52513.
#2	74985.	52404.
#3	74901.	52333.

Approved: February 21, 2011

Sample Name: L1102044707 Acquired: 2/18/2011 11:59:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01172**	**246.26**	**.10741**	**.36546**	**.35332**	**.01344**	**5.7867**
Stddev	.00052	9.81	.00121	.00561	.00028	.00038	.0148
%RSD	4.4073	3.9831	1.1291	1.5338	.07871	2.8333	.25541
#1	.01147	238.50	.10880	.36115	.35347	.01304	5.7720
#2	.01138	243.00	.10657	.37180	.35299	.01349	5.8016
#3	.01232	257.29	.10685	.36344	.35348	.01380	5.7865
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**.10635**	**.62283**	**.52975**	F **956.92**	**8.0853**	**.27578**
Stddev	.00019	.00008	.01870	.00647	13.58	.0363	.00107
%RSD	15.630	.07121	3.0024	1.2204	1.4186	.44859	.38782
#1	.00116	.10627	.60278	.53696	941.39	8.1242	.27542
#2	.00108	.10635	.62593	.52783	966.56	8.0524	.27493
#3	.00145	.10642	.63979	.52447	962.81	8.0794	.27698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					900.00		
Low Limit					-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**15.360**	**1.5800**	**.00674**	**.19232**	**.29543**	F **7224.2**	**.30752**
Stddev	.023	.0025	.00058	.01408	.00201	9.5	.00359
%RSD	.14973	.16020	8.6701	7.3213	.68085	.13125	1.1674
#1	15.334	1.5784	.00667	.20698	.29775	7232.5	.31136
#2	15.377	1.5787	.00736	.19108	.29440	7213.8	.30694
#3	15.370	1.5829	.00620	.17890	.29415	7226.2	.30425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044707 Acquired: 2/18/2011 11:59:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.593**	F **43.497**	F **-1346.2**	**.01572**	**.01401**	F **251.88**	**.02892**
Stddev	13.170	.395	14.8	.00491	.00475	1.54	.00025
%RSD	21.382	.90906	1.1030	31.239	33.891	.61099	.85707
#1	-55.231	43.934	-1358.4	.02004	.01081	253.49	.02882
#2	-52.813	43.394	-1350.5	.01675	.01947	251.73	.02921
#3	-76.736	43.164	-1329.7	.01038	.01176	250.42	.02875
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05124**	**.70105**	**.05128**	**1.6031**	**.27975**	F **465.11**
Stddev	.00010	.00098	.00313	.0511	.00053	13.41
%RSD	.19297	.14049	6.1127	3.1895	.19094	2.8835
#1	.05119	.70112	.04774	1.5501	.28023	450.13
#2	.05119	.70200	.05371	1.6070	.27985	469.16
#3	.05136	.70003	.05240	1.6521	.27917	476.02
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78495.**	**55636.**
Stddev	576.	544.
%RSD	.73436	.97800
#1	78947.	56263.
#2	78691.	55357.
#3	77846.	55289.

Approved: February 21, 2011

Sample Name: L1102043201 Acquired: 2/18/2011 12:03:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00468**	**14.231**	**.03334**	**.03077**	**.68029**	**.00124**	**30.390**
Stddev	.00051	.121	.00040	.00139	.00212	.00003	.068
%RSD	10.980	.85103	1.1980	4.5107	.31095	2.7250	.22215
#1	.00454	14.325	.03288	.03218	.67849	.00125	30.333
#2	.00525	14.274	.03361	.02940	.67977	.00126	30.373
#3	.00425	14.094	.03352	.03073	.68262	.00120	30.465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.01379**	**.13466**	**1.0688**	**62.863**	**1.3657**	**.01070**
Stddev	.00009	.00025	.00092	.0004	.202	.0749	.00150
%RSD	2.0482	1.7830	.68447	.03857	.32129	5.4858	13.981
#1	.00448	.01405	.13516	1.0692	62.657	1.3503	.00899
#2	.00466	.01356	.13522	1.0690	62.871	1.2997	.01132
#3	.00454	.01376	.13359	1.0684	63.060	1.4471	.01178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7921**	**.66352**	**.00458**	**.41587**	**.17298**	F **6128.1**	**2.5851**
Stddev	.0185	.00203	.00013	.01941	.00020	7.8	.0030
%RSD	.27172	.30549	2.8190	4.6665	.11323	.12810	.11486
#1	6.7942	.66119	.00460	.39898	.17305	6121.5	2.5883
#2	6.7727	.66453	.00444	.41155	.17313	6136.8	2.5825
#3	6.8094	.66484	.00470	.43707	.17276	6126.2	2.5846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102043201 Acquired: 2/18/2011 12:03:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.673**	F **68.642**	F **-1347.5**	**.02092**	**.00775**	F **173.49**	**.08366**
Stddev	4.359	.213	6.5	.00243	.00224	.53	.00066
%RSD	12.220	.31034	.47886	11.639	28.934	.30519	.78848
#1	-35.378	68.721	-1353.8	.01827	.00899	172.94	.08422
#2	-31.469	68.805	-1347.8	.02144	.00516	173.52	.08294
#3	-40.173	68.401	-1340.9	.02305	.00910	174.00	.08383
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22875**	**.28919**	**.01000**	**.34668**	**3.1159**	F **61.932**
Stddev	.00049	.00174	.00161	.00169	.0024	.195
%RSD	.21521	.60009	16.062	.48767	.07813	.31452
#1	.22822	.28915	.01178	.34748	3.1155	62.032
#2	.22920	.28748	.00865	.34781	3.1185	62.056
#3	.22882	.29095	.00958	.34473	3.1137	61.707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76527.**	**54951.**
Stddev	196.	245.
%RSD	.25599	.44615
#1	76309.	54715.
#2	76689.	54933.
#3	76584.	55204.

Approved: February 21, 2011

Sample Name: LRC Acquired: 2/18/2011 12:12:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.00616**	F **-.02011**	**.38238**	**.00036**	**-.00005**	**-.07624**
Stddev	.00112	.00548	.00204	.00311	.00032	.00003	.00489
%RSD	122.47	88.876	10.154	.81282	88.995	62.971	6.4142
#1	.00127	-.00540	-.01787	.38095	.00056	-.00002	-.07562
#2	.00181	-.01198	-.02187	.38026	.00054	-.00008	-.08141
#3	-.00034	-.00111	-.02059	.38595	-.00001	-.00005	-.07169
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.01000				

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00461**	F **-.04205**	**.11663**	F **993.36**	**-.09396**	**-.00245**
Stddev	.00008	.00024	.00039	.00359	6.72	.05925	.00338
%RSD	53.060	5.2775	.92794	3.0756	.67657	63.058	138.06
#1	-.00017	-.00449	-.04190	.12077	989.70	-.07225	-.00008
#2	-.00024	-.00445	-.04175	.11444	989.27	-.04863	-.00631
#3	-.00007	-.00489	-.04249	.11467	1001.1	-.16101	-.00094
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			90.000		900.00		
Low Limit			-.00300		-.02000		

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04219**	**.00159**	**-.00614**	**.00315**	**.00856**	kF **966.24**	**.06930**
Stddev	.01655	.00050	.00012	.01227	.00123	4.04	.00162
%RSD	39.230	31.353	1.9848	389.13	14.322	.41799	2.3426
#1	-.03770	.00212	-.00620	-.00176	.00720	k 962.35	.06867
#2	-.02835	.00112	-.00600	.01712	.00958	k 965.95	.07115
#3	-.06053	.00154	-.00622	-.00590	.00889	k 970.41	.06809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LRC Acquired: 2/18/2011 12:12:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-29.526**	F **-.19350**	F **12.756**	**.00175**	**.01802**	**1.6337**	**.00567**
Stddev	9.361	.04217	2.525	.00322	.00580	.2926	.00035
%RSD	31.706	21.791	19.790	183.83	32.190	17.910	6.1102
#1	-21.182	-.15060	10.677	-.00195	.02026	1.6804	.00606
#2	-39.649	-.23489	12.027	.00327	.01143	1.3206	.00539
#3	-27.747	-.19500	15.565	.00394	.02237	1.9002	.00557
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00083**	**.00802**	F **-.01877**	**.00316**	^ *****
Stddev	.00017	.00210	.00065	.00042	.00005	-----
%RSD	87.632	254.65	8.1129	2.2208	1.5482	-----
#1	-.00017	.00322	.00798	-.01870	.00312	^ -----
#2	-.00039	-.00074	.00739	-.01840	.00314	^ -----
#3	-.00004	.00000	.00869	-.01922	.00321	^ -----
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit				90.000		
Low Limit				-.01000		

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71644.**	**51973.**
Stddev	216.	155.
%RSD	.30162	.29750
#1	71728.	51847.
#2	71399.	52146.
#3	71806.	51928.

Approved: February 21, 2011

Sample Name: L1102044701 Acquired: 2/18/2011 12:17:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356852-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**7.4029**	**.00699**	**.00534**	**.06533**	**.00061**	**.95293**
Stddev	.00055	.0348	.00074	.00062	.00067	.00004	.01861
%RSD	144.84	.46983	10.527	11.649	1.0191	6.9826	1.9531
#1	.00081	7.4301	.00748	.00590	.06463	.00065	.97339
#2	.00055	7.3637	.00734	.00543	.06542	.00057	.94837
#3	-.00024	7.4149	.00614	.00467	.06595	.00060	.93702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01133**	**.01193**	**.01325**	**19.030**	**.34823**	**.01169**
Stddev	.00005	.00005	.00022	.00044	.094	.02287	.00469
%RSD	221.03	.42815	1.8260	3.3299	.49493	6.5689	40.156
#1	-.00004	.01132	.01174	.01329	18.960	.32212	.01490
#2	.00005	.01129	.01189	.01368	18.992	.36472	.00630
#3	.00006	.01138	.01217	.01279	19.137	.35786	.01386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70282**	**.77112**	**.00001**	**.03145**	**.00777**	F **977.04**	**.01864**
Stddev	.01978	.00412	.00015	.01953	.00077	4.69	.00061
%RSD	2.8141	.53460	1737.4	62.106	9.9524	.48049	3.2592
#1	.72560	.76688	.00012	.01589	.00846	973.81	.01895
#2	.69005	.77138	-.00016	.05337	.00793	974.90	.01794
#3	.69279	.77511	.00007	.02510	.00693	982.43	.01904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044701 Acquired: 2/18/2011 12:17:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356852-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.637**	**5.7990**	F **-165.67**	**-.00247**	**.00120**	**13.101**	**.00014**
Stddev	6.128	.1029	.84	.00157	.00216	.052	.00074
%RSD	17.194	1.7740	.50563	63.416	180.52	.39372	544.08
#1	-36.893	5.6864	-164.84	-.00287	-.00129	13.085	.00029
#2	-28.979	5.8224	-165.65	-.00380	.00258	13.159	-.00066
#3	-41.040	5.8881	-166.51	-.00074	.00230	13.059	.00078
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.02379**	**.00351**	**.02811**	**.02327**	**4.9290**
Stddev	.00008	.00143	.00057	.00030	.00015	.2187
%RSD	2.6848	6.0109	16.244	1.0549	.64407	4.4377
#1	.00297	.02286	.00417	.02777	.02333	4.6803
#2	.00311	.02308	.00316	.02825	.02310	5.0152
#3	.00311	.02544	.00320	.02831	.02338	5.0915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76334.**	**54914.**
Stddev	288.	324.
%RSD	.37744	.58942
#1	76327.	55066.
#2	76626.	55134.
#3	76050.	54543.

Approved: February 21, 2011

Sample Name: L1102044702 Acquired: 2/18/2011 12:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**6.0294**	**.00624**	**.00451**	**.06136**	**.00054**	**1.0566**
Stddev	.00051	.0114	.00203	.00065	.00031	.00003	.0040
%RSD	452.12	.18823	32.456	14.336	.50887	5.4974	.37683
#1	.00069	6.0282	.00458	.00432	.06159	.00051	1.0561
#2	-.00014	6.0186	.00850	.00399	.06101	.00057	1.0609
#3	-.00022	6.0413	.00565	.00523	.06149	.00055	1.0530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00841**	**.00979**	**.01170**	**15.461**	**.20785**	**.00613**
Stddev	.00010	.00011	.00030	.00021	.056	.14579	.00361
%RSD	102.45	1.3565	3.0467	1.7527	.36232	70.143	58.974
#1	.00001	.00844	.00958	.01193	15.424	.29326	.00509
#2	-.00012	.00829	.01013	.01160	15.433	.29078	.01015
#3	-.00019	.00851	.00964	.01156	15.525	.03951	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.63401**	**.70361**	**.00000**	**-.00342**	**.00556**	**827.71**	**.01543**
Stddev	.03500	.00341	.00024	.00293	.00060	8.46	.00236
%RSD	5.5206	.48416	34707.	85.653	10.798	1.0223	15.310
#1	.59365	.70121	.00008	-.00107	.00619	824.53	.01761
#2	.65606	.70211	.00020	-.00248	.00500	821.31	.01292
#3	.65232	.70751	-.00027	-.00670	.00549	837.31	.01575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044702 Acquired: 2/18/2011 12:20:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.554**	**5.4713**	F **-149.88**	**-.00238**	**.00398**	**9.2400**	**.00030**
Stddev	7.691	.0669	2.95	.00212	.00444	.0637	.00047
%RSD	66.569	1.2228	1.9682	89.110	111.55	.68965	158.77
#1	-14.815	5.4438	-147.33	-.00472	.00658	9.2556	.00074
#2	-17.077	5.5475	-149.20	-.00187	-.00115	9.1699	.00035
#3	-2.7692	5.4225	-153.11	-.00056	.00652	9.2944	-.00020
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00277**	**.01668**	**.00281**	**.02391**	**.01812**	**4.1883**
Stddev	.00013	.00350	.00096	.00039	.00010	.3524
%RSD	4.8713	20.951	34.263	1.6391	.52943	8.4135
#1	.00281	.01415	.00311	.02394	.01803	4.5883
#2	.00262	.01522	.00173	.02351	.01822	4.0529
#3	.00288	.02067	.00358	.02429	.01810	3.9237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74649.**	**54110.**
Stddev	618.	240.
%RSD	.82836	.44429
#1	75258.	54258.
#2	74667.	54240.
#3	74021.	53833.

Approved: February 21, 2011

Sample Name: L1102044703 Acquired: 2/18/2011 12:24:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356852-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01211**	**8.8231**	**.01798**	**.05082**	**.09204**	**.00189**	**1.1873**
Stddev	.00110	.1141	.00107	.00148	.00025	.00005	.0075
%RSD	9.0962	1.2931	5.9647	2.9210	.27020	2.5187	.63269
#1	.01131	8.7898	.01794	.05248	.09221	.00186	1.1837
#2	.01337	8.9501	.01693	.05036	.09215	.00194	1.1960
#3	.01166	8.7293	.01907	.04962	.09175	.00186	1.1824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**.01601**	**.02686**	**.02603**	**19.862**	**1.6653**	**.03820**
Stddev	.00005	.00029	.00056	.00051	.014	.0852	.00217
%RSD	3.9914	1.7854	2.0828	1.9730	.07193	5.1153	5.6872
#1	.00118	.01594	.02673	.02571	19.866	1.7306	.03630
#2	.00127	.01576	.02747	.02576	19.847	1.6964	.03774
#3	.00125	.01632	.02637	.02662	19.874	1.5690	.04057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99469**	**.82029**	**.02416**	**1.2740**	**.02095**	F **1025.0**	**.03277**
Stddev	.01832	.00139	.00028	.0097	.00038	6.2	.00101
%RSD	1.8416	.16994	1.1777	.76166	1.8183	.60816	3.0760
#1	.99495	.82012	.02385	1.2776	.02138	1023.1	.03194
#2	.97624	.82176	.02422	1.2630	.02065	1032.0	.03249
#3	1.0129	.81899	.02442	1.2814	.02081	1020.0	.03390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044703 Acquired: 2/18/2011 12:24:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356852-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **17.781**	**5.9938**	F **-166.75**	**.02489**	**.01384**	**36.472**	**.02427**
Stddev	12.063	.0359	1.80	.00043	.00356	.164	.00029
%RSD	67.843	.59932	1.0818	1.7376	25.709	.44943	1.2026
#1	22.387	5.9843	-167.11	.02440	.01649	36.661	.02458
#2	26.863	5.9635	-164.79	.02506	.01524	36.384	.02422
#3	4.0936	6.0335	-168.34	.02521	.00980	36.372	.02400
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02778**	**.06841**	**.01674**	**.05986**	**.04818**	**3.8133**
Stddev	.00009	.00223	.00013	.00034	.00026	.1750
%RSD	.33588	3.2668	.75267	.56093	.54129	4.5892
#1	.02783	.06729	.01675	.05976	.04809	3.8103
#2	.02784	.06696	.01685	.06024	.04797	3.6398
#3	.02767	.07099	.01660	.05959	.04847	3.9898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76664.**	**50598.**
Stddev	917.	1209.
%RSD	1.1959	2.3902
#1	76685.	50370.
#2	77570.	49518.
#3	75737.	51905.

Approved: February 21, 2011

Sample Name: L1102044704 Acquired: 2/18/2011 12:27:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356852-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01131**	**8.6312**	**.01695**	**.05190**	**.08668**	**.00183**	**1.3305**
Stddev	.00036	.1133	.00133	.00126	.00170	.00004	.0224
%RSD	3.2034	1.3132	7.8294	2.4288	1.9630	2.2688	1.6849
#1	.01142	8.5522	.01748	.05076	.08538	.00180	1.3053
#2	.01161	8.5802	.01544	.05168	.08606	.00180	1.3384
#3	.01091	8.7610	.01794	.05325	.08861	.00187	1.3480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00142**	**.01504**	**.02404**	**.02648**	**16.772**	**1.5342**	**.03602**
Stddev	.00013	.00033	.00170	.00100	.252	.0347	.00197
%RSD	9.1411	2.2274	7.0691	3.7700	1.5019	2.2582	5.4658
#1	.00134	.01478	.02331	.02535	16.535	1.5617	.03481
#2	.00136	.01492	.02283	.02681	16.745	1.5457	.03829
#3	.00157	.01542	.02598	.02726	17.037	1.4953	.03496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97745**	**.65243**	**.02799**	**1.3343**	**.02168**	F **1011.2**	**.03480**
Stddev	.01387	.01218	.00091	.0269	.00020	20.8	.00220
%RSD	1.4188	1.8673	3.2504	2.0128	.90921	2.0599	6.3311
#1	.96305	.64078	.02699	1.3034	.02148	988.88	.03395
#2	.99072	.65142	.02820	1.3471	.02169	1014.8	.03730
#3	.97857	.66508	.02877	1.3523	.02188	1030.1	.03315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044704 Acquired: 2/18/2011 12:27:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356852-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-22.168**	**6.7114**	F **-180.70**	**.03052**	**.01381**	**37.406**	**.02408**
Stddev	16.434	.1451	5.31	.00144	.00432	.775	.00033
%RSD	74.134	2.1625	2.9412	4.7181	31.282	2.0730	1.3586
#1	-26.188	6.6443	-174.70	.02908	.01193	36.530	.02395
#2	-36.218	6.6120	-182.57	.03196	.01075	37.685	.02383
#3	-4.0966	6.8780	-184.82	.03052	.01876	38.004	.02445
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02867**	**.05887**	**.01732**	**.05477**	**.05099**	**3.7190**
Stddev	.00051	.00053	.00128	.00092	.00126	.3932
%RSD	1.7648	.90225	7.4002	1.6878	2.4699	10.571
#1	.02818	.05872	.01586	.05397	.04976	3.4373
#2	.02864	.05843	.01790	.05455	.05092	3.5516
#3	.02919	.05946	.01822	.05578	.05228	4.1681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77681.**	**55072.**
Stddev	60.	204.
%RSD	.07679	.37039
#1	77693.	55072.
#2	77616.	55276.
#3	77734.	54868.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 12:31:31 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39029**	**9.6354**	**.40696**	**.48687**	**1.0037**	**.04799**	**10.039**
Stddev	.00204	.0157	.00310	.00031	.0006	.00015	.028
%RSD	.52224	.16307	.76226	.06396	.05917	.31871	.27861
#1	.38799	9.6512	.41005	.48723	1.0031	.04790	10.008
#2	.39188	9.6197	.40701	.48667	1.0039	.04790	10.061
#3	.39099	9.6354	.40384	.48672	1.0042	.04817	10.048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05037**	**.20249**	**.48017**	**.50511**	**4.0168**	**50.075**	**1.0069**
Stddev	.00010	.00019	.00132	.00053	.0189	.142	.0042
%RSD	.19757	.09493	.27505	.10454	.47117	.28439	.41434
#1	.05025	.20269	.47994	.50474	3.9953	50.010	1.0049
#2	.05043	.20231	.47899	.50488	4.0307	49.976	1.0042
#3	.05042	.20248	.48160	.50572	4.0245	50.238	1.0117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9738**	**.50446**	**1.0169**	**50.259**	**.50793**	F **20.045**	**.50256**
Stddev	.0258	.00017	.0027	.104	.00064	13.288	.00054
%RSD	.25897	.03434	.26693	.20667	.12513	66.294	.10707
#1	9.9922	.50426	1.0188	50.152	.50759	7.6012	.50245
#2	9.9443	.50458	1.0182	50.266	.50866	34.042	.50314
#3	9.9849	.50453	1.0138	50.360	.50753	18.491	.50208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 12:31:31 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.598**	**10.122**	F **11.704**	**1.2264**	**.40432**	F **4.2733**	**1.0138**
Stddev	8.650	.083	1.016	.0009	.00454	.2298	.0019
%RSD	19.395	.82126	8.6797	.07641	1.1217	5.3766	.19030
#1	-52.053	10.155	10.550	1.2255	.40888	4.2549	1.0117
#2	-46.627	10.027	12.098	1.2264	.40427	4.5117	1.0140
#3	-35.115	10.182	12.464	1.2274	.39981	4.0533	1.0156
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0118**	**1.0073**	**.50789**	**.96971**	**.99668**	F **4.7898**
Stddev	.0009	.0008	.00191	.00105	.00133	.3686
%RSD	.09092	.08014	.37664	.10823	.13362	7.6962
#1	1.0128	1.0065	.51002	.97080	.99540	4.3716
#2	1.0110	1.0074	.50633	.96871	.99657	4.9303
#3	1.0115	1.0081	.50731	.96963	.99806	5.0676
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74116.**	**54677.**
Stddev	347.	126.
%RSD	.46770	.22987
#1	74451.	54547.
#2	74138.	54798.
#3	73759.	54686.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 12:35:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00260**	**.00131**	**.00000**	**.00017**	**.00005**	**-.00895**
Stddev	.00087	.00326	.00149	.00052	.00010	.00002	.00766
%RSD	91.292	125.30	113.37	18568.	58.721	48.657	85.567
#1	.00142	.00331	.00165	-.00046	.00006	.00003	-.00303
#2	-.00005	.00545	.00260	.00056	.00025	.00007	-.00623
#3	.00149	-.00095	-.00031	-.00009	.00019	.00005	-.01760
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00001**	**-.00100**	**-.00064**	**.00428**	**-.05008**	**-.00289**
Stddev	.00007	.00005	.00071	.00041	.00286	.01620	.00093
%RSD	112.58	407.96	71.177	64.528	66.984	32.345	32.136
#1	.00000	-.00004	-.00058	-.00094	.00212	-.03338	-.00278
#2	-.00005	-.00005	-.00061	-.00017	.00318	-.06573	-.00202
#3	-.00015	.00005	-.00183	-.00080	.00753	-.05112	-.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00409**	**-.00004**	**.00038**	**.01072**	**.00059**	F **2.3882**	**.00187**
Stddev	.02234	.00033	.00022	.00089	.00045	5.6702	.00059
%RSD	546.34	902.83	58.196	8.3204	76.927	237.43	31.519
#1	.02207	-.00035	.00028	.01174	.00092	-.51070	.00197
#2	.01113	-.00007	.00064	.01036	.00007	-1.2465	.00124
#3	-.02093	.00031	.00024	.01007	.00076	8.9218	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 12:35:02 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-36.224**	**-.05185**	F **3.3526**	**-.00208**	**.00652**	**-.18495**	**.00041**
Stddev	7.204	.06955	3.2366	.00135	.00656	.10569	.00009
%RSD	19.887	134.14	96.540	64.785	100.66	57.144	23.069
#1	-40.243	.01510	1.1402	-.00132	.01312	-.22852	.00030
#2	-27.908	-.12374	1.8502	-.00364	.00645	-.26190	.00045
#3	-40.523	-.04690	7.0673	-.00129	-.00001	-.06444	.00047
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00174**	**.00068**	**-.00001**	**.00007**	F **.61018**
Stddev	.00010	.00173	.00146	.00046	.00002	.36804
%RSD	242.97	99.502	215.44	3275.8	30.347	60.316
#1	.00007	.00057	.00154	-.00042	.00009	.20289
#2	-.00012	.00092	-.00101	-.00011	.00006	.70876
#3	-.00006	.00372	.00151	.00049	.00005	.91888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75213.**	**54339.**
Stddev	419.	629.
%RSD	.55700	1.1574
#1	75548.	54042.
#2	75347.	53914.
#3	74743.	55062.

Approved: February 21, 2011

Sample Name: L1102044706 Acquired: 2/18/2011 12:38:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**20.045**	**.00896**	**.02203**	**.01996**	**.00069**	**.29628**
Stddev	.00065	.113	.00205	.00130	.00026	.00002	.00523
%RSD	83.733	.56595	22.871	5.8905	1.3143	2.3087	1.7658
#1	.00139	20.159	.00680	.02111	.02011	.00070	.30232
#2	.00010	19.932	.00919	.02148	.02011	.00067	.29349
#3	.00082	20.043	.01088	.02352	.01965	.00071	.29304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00480**	**.04156**	**.03372**	**60.892**	**.42997**	**.01392**
Stddev	.00009	.00013	.00154	.00025	.132	.00963	.00241
%RSD	99.923	2.7485	3.7074	.74538	.21596	2.2407	17.272
#1	-.00019	.00486	.04321	.03344	60.803	.42860	.01117
#2	-.00001	.00490	.04016	.03393	60.830	.42109	.01562
#3	-.00007	.00465	.04130	.03378	61.043	.44022	.01498
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85362**	**.05573**	**.00055**	**.01127**	**.01889**	**425.95**	**.02135**
Stddev	.03396	.00021	.00014	.01378	.00047	3.54	.00015
%RSD	3.9780	.36988	25.507	122.24	2.4742	.83141	.71962
#1	.82747	.05550	.00039	.02558	.01836	428.96	.02117
#2	.89200	.05586	.00066	-.00191	.01922	426.84	.02144
#3	.84140	.05585	.00059	.01014	.01910	422.05	.02144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044706 Acquired: 2/18/2011 12:38:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-17.323**	**2.8496**	F **-87.332**	**-.00191**	**.00346**	**18.271**	**.00162**
Stddev	12.600	.0253	3.557	.00061	.00214	.194	.00027
%RSD	72.734	.88938	4.0727	32.139	61.791	1.0596	16.714
#1	-3.6999	2.8695	-90.079	-.00261	.00100	18.486	.00136
#2	-28.557	2.8583	-88.604	-.00147	.00485	18.215	.00160
#3	-19.712	2.8210	-83.315	-.00164	.00452	18.111	.00190
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00271**	**.05067**	**.00683**	**.10040**	**.01827**	**19.751**
Stddev	.00019	.00093	.00125	.00114	.00018	.570
%RSD	7.1979	1.8312	18.289	1.1307	.96078	2.8841
#1	.00254	.05175	.00712	.10167	.01810	20.187
#2	.00266	.05012	.00546	.10006	.01827	19.960
#3	.00292	.05016	.00791	.09947	.01845	19.107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76759.**	**53459.**
Stddev	1146.	285.
%RSD	1.4927	.53367
#1	75438.	53184.
#2	77480.	53754.
#3	77359.	53441.

Approved: February 21, 2011

Sample Name: L1102044706PS Acquired: 2/18/2011 12:42:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356945-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20899**	**23.950**	**.22066**	**1.0649**	**.52838**	**.02609**	**5.3855**
Stddev	.00245	.400	.00063	.0155	.00290	.00040	.0122
%RSD	1.1724	1.6697	.28741	1.4597	.54868	1.5363	.22601
#1	.20872	23.860	.22065	1.0599	.52534	.02591	5.3800
#2	.20668	23.604	.22130	1.0525	.52870	.02581	5.3772
#3	.21156	24.388	.22003	1.0823	.53111	.02655	5.3995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02642**	**.11014**	**.29008**	**.29554**	**61.903**	**26.054**	**.53145**
Stddev	.00010	.00056	.00388	.00224	.334	.231	.00654
%RSD	.37076	.50406	1.3373	.75787	.54016	.88481	1.2302
#1	.02638	.10968	.28871	.29310	61.570	25.808	.52421
#2	.02635	.10998	.28707	.29600	61.898	26.090	.53693
#3	.02653	.11076	.29446	.29751	62.239	26.265	.53320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.9888**	**.30877**	**.53251**	**26.390**	**.28140**	**436.75**	**.27938**
Stddev	.0357	.00108	.00274	.159	.00232	7.83	.00446
%RSD	.59635	.34936	.51547	.60190	.82618	1.7936	1.5963
#1	5.9522	.30780	.52978	26.223	.27898	441.27	.27998
#2	5.9905	.30858	.53247	26.407	.28161	441.28	.27465
#3	6.0235	.30993	.53527	26.539	.28361	427.71	.28351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044706PS Acquired: 2/18/2011 12:42:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment: WG356945-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.382**	**8.3658**	F **-93.576**	**.62643**	**.22036**	F **322.85**	**.00222**
Stddev	7.583	.1157	.894	.00208	.00494	1.77	.00012
%RSD	46.289	1.3830	.95535	.33266	2.2421	.54904	5.4762
#1	-7.6683	8.2434	-92.656	.62421	.21547	322.07	.00235
#2	-21.486	8.4733	-94.441	.62676	.22024	321.60	.00210
#3	-19.991	8.3807	-93.631	.62833	.22535	324.88	.00222
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000		9.0000			90.000	
Low Limit	-.00400		-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51062**	**.55956**	**.26979**	**.60664**	**.54470**	**33.709**
Stddev	.00282	.00209	.00416	.00723	.00228	1.113
%RSD	.55167	.37297	1.5403	1.1926	.41781	3.3023
#1	.50830	.55783	.26639	.60438	.54276	32.825
#2	.50979	.55897	.26855	.60080	.54414	33.343
#3	.51375	.56187	.27442	.61473	.54721	34.959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75195.**	**54268.**
Stddev	271.	401.
%RSD	.35997	.73981
#1	75001.	54489.
#2	75080.	54511.
#3	75504.	53805.

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 12:45:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 100 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**3.9550**	**.00291**	**.00425**	**.00381**	**.00015**	**.05320**
Stddev	.0004	.0829	.00242	.00096	.00032	.00002	.01266
%RSD	10433.	2.0969	83.054	22.496	8.3241	14.894	23.791
#1	-.00002	3.9219	.00238	.00384	.00417	.00016	.05054
#2	.00036	3.8938	.00080	.00357	.00360	.00016	.06697
#3	-.00035	4.0494	.00555	.00534	.00365	.00012	.04208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00092**	**.00760**	**.00659**	**12.105**	**.06984**	**.00012**
Stddev	.00007	.00021	.00036	.00075	.027	.03411	.00201
%RSD	125.31	22.353	4.7694	11.345	.22611	48.841	1708.3
#1	-.00012	.00078	.00756	.00642	12.110	.06797	-.00214
#2	-.00007	.00082	.00797	.00741	12.075	.03671	.00079
#3	.00002	.00116	.00725	.00595	12.129	.10485	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17158**	**.01120**	**.00064**	**.02632**	**.00334**	**80.051**	**.00629**
Stddev	.02575	.00002	.00012	.01688	.00111	9.783	.00135
%RSD	15.005	.19956	18.762	64.147	33.090	12.221	21.458
#1	.16370	.01122	.00050	.02797	.00330	86.727	.00682
#2	.15069	.01118	.00069	.00867	.00447	84.605	.00730
#3	.20034	.01120	.00072	.04231	.00226	68.821	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 12:45:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 100 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-23.138**	**.43548**	F **-12.680**	**-.00306**	**.00081**	**2.9080**	**.00005**
Stddev	20.656	.03716	.629	.00237	.00296	.0559	.00006
%RSD	89.272	8.5335	4.9618	77.506	365.37	1.9214	124.82
#1	-43.359	.43028	-11.953	-.00558	-.00248	2.9414	.00011
#2	-23.982	.40120	-13.047	-.00274	.00327	2.8435	.00005
#3	-2.0731	.47497	-13.039	-.00086	.00165	2.9391	-.00001
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00986**	**.00218**	**.02007**	**.00448**	**3.8857**
Stddev	.00032	.00122	.00056	.00053	.00004	.1058
%RSD	58.218	12.356	25.586	2.6157	.99342	2.7228
#1	.00077	.01121	.00270	.01999	.00449	3.8321
#2	.00069	.00883	.00226	.01959	.00444	4.0076
#3	.00018	.00955	.00159	.02063	.00453	3.8175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76777.**	**54740.**
Stddev	252.	1106.
%RSD	.32764	2.0211
#1	76989.	55068.
#2	76499.	55646.
#3	76844.	53507.

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 12:49:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 500 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.88866**	**.00087**	**.00025**	**.00128**	**.00005**	**-.00990**
Stddev	.00154	.01195	.00185	.00087	.00030	.00002	.01113
%RSD	613.67	1.3451	211.74	350.63	23.843	37.914	112.48
#1	.00023	.88317	-.00019	.00122	.00097	.00005	-.01282
#2	.00181	.88044	.00301	-.00046	.00127	.00003	.00241
#3	-.00128	.90237	-.00020	-.00002	.00158	.00007	-.01927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00052**	**.00107**	**.00153**	**2.5582**	**-.04055**	**-.00106**
Stddev	.00020	.00022	.00044	.00072	.0192	.06716	.00115
%RSD	129.93	41.726	41.586	46.867	.75005	165.63	108.57
#1	-.00021	.00076	.00156	.00233	2.5784	.02622	-.00063
#2	.00007	.00046	.00094	.00095	2.5403	-.03978	-.00018
#3	-.00033	.00034	.00070	.00132	2.5558	-.10809	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02590**	**.00241**	**-.00033**	**-.01675**	**.00000**	**15.058**	**-.00031**
Stddev	.03210	.00007	.00012	.01681	.0006	3.612	.00049
%RSD	123.93	2.8837	35.418	100.35	11221.	23.985	156.54
#1	-.00629	.00244	-.00020	.00240	-.00064	17.936	-.00065
#2	.02607	.00234	-.00043	-.02360	.00042	16.233	-.00054
#3	.05791	.00246	-.00035	-.02905	.00020	11.005	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044706SDL Acquired: 2/18/2011 12:49:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 500 Custom ID2: Custom ID3:
Comment: WG356945-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-4.2209**	F **-.05544**	**3.7041**	**-.00379**	**.00181**	**.10480**	**.00003**
Stddev	5.1882	.07094	2.2342	.00203	.00275	.20766	.00018
%RSD	122.92	127.96	60.317	53.406	151.99	198.15	580.98
#1	.70876	-.05627	4.4422	-.00608	.00378	-.12886	.00019
#2	-9.6338	.01591	1.1943	-.00221	-.00133	.26826	.00007
#3	-3.7375	-.12596	5.4759	-.00309	.00297	.17501	-.00016
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00114**	**.00243**	**.00409**	**.00156**	**1.0240**
Stddev	.00013	.00106	.00112	.00051	.00001	.0547
%RSD	84.798	93.599	45.944	12.537	.77576	5.3416
#1	.00021	.00018	.00334	.00439	.00156	1.0552
#2	.00000	.00094	.00119	.00350	.00157	1.0559
#3	.00025	.00228	.00278	.00439	.00155	.96086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73390.**	**52204.**
Stddev	244.	532.
%RSD	.33298	1.0181
#1	73673.	52202.
#2	73253.	52737.
#3	73245.	51674.

Approved: February 21, 2011

Sample Name: L1102044707 Acquired: 2/18/2011 12:53:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**17.615**	**.00807**	**.02135**	**.02137**	**.00077**	**.32493**
Stddev	.00070	.159	.00197	.00123	.00009	.00001	.01219
%RSD	67.955	.90521	24.440	5.7591	.42652	1.7525	3.7501
#1	.00024	17.431	.01030	.02010	.02128	.00078	.31989
#2	.00130	17.694	.00656	.02140	.02146	.00075	.31608
#3	.00156	17.719	.00734	.02255	.02137	.00078	.33883
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00664**	**.03728**	**.03251**	**57.760**	**.44973**	**.01191**
Stddev	.00004	.00010	.00031	.00103	.176	.04600	.00273
%RSD	102.98	1.5600	.83753	3.1657	.30420	10.228	22.963
#1	-.00008	.00663	.03699	.03337	57.557	.39762	.01470
#2	-.00001	.00654	.03725	.03137	57.856	.48472	.01179
#3	-.00002	.00675	.03761	.03280	57.867	.46684	.00923
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92280**	**.09406**	**-.00029**	**-.01588**	**.01870**	**438.97**	**.02018**
Stddev	.00682	.00038	.00008	.01199	.00038	9.30	.00170
%RSD	.73861	.40556	28.717	75.554	2.0451	2.1194	8.4157
#1	.91532	.09383	-.00022	-.00275	.01838	430.82	.01868
#2	.92867	.09385	-.00038	-.01862	.01859	436.97	.02202
#3	.92441	.09450	-.00027	-.02626	.01912	449.11	.01983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044707 Acquired: 2/18/2011 12:53:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 20 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-18.385**	**2.5488**	F **-76.568**	**-.00402**	**.00256**	**14.573**	**.00166**
Stddev	5.240	.0523	2.270	.00118	.00138	.378	.00045
%RSD	28.502	2.0535	2.9640	29.417	53.772	2.5906	26.976
#1	-15.796	2.4884	-73.950	-.00334	.00124	14.607	.00209
#2	-24.416	2.5813	-77.759	-.00538	.00246	14.180	.00119
#3	-14.943	2.5766	-77.993	-.00333	.00399	14.933	.00170
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.03920**	**.00649**	**.09313**	**.02655**	**18.221**
Stddev	.00018	.00112	.00137	.00059	.00020	.435
%RSD	6.3737	2.8678	21.072	.63541	.75618	2.3874
#1	.00270	.03801	.00746	.09246	.02642	18.710
#2	.00306	.03936	.00709	.09335	.02645	18.075
#3	.00283	.04024	.00493	.09358	.02678	17.878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75627.**	**51680.**
Stddev	300.	502.
%RSD	.39695	.97116
#1	75657.	52237.
#2	75912.	51262.
#3	75313.	51542.

Approved: February 21, 2011

Sample Name: L1102044707 Acquired: 2/18/2011 12:56:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 100 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**3.6559**	**.00353**	**.00285**	**.00456**	**.00016**	**.06494**
Stddev	.00037	.0528	.00138	.00082	.00019	.00003	.01147
%RSD	29.241	1.4435	39.214	28.835	4.2432	22.022	17.655
#1	.00142	3.5978	.00378	.00248	.00437	.00019	.06493
#2	.00152	3.7008	.00204	.00229	.00456	.00015	.05349
#3	.00084	3.6691	.00477	.00380	.00476	.00013	.07642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00168**	**.00702**	**.00600**	**12.027**	**.07901**	**.00316**
Stddev	.00009	.00010	.00091	.00040	.086	.03893	.00406
%RSD	43.336	6.2096	13.009	6.6718	.71182	49.274	128.63
#1	-.00016	.00161	.00759	.00577	11.943	.12284	.00242
#2	-.00030	.00180	.00751	.00646	12.114	.04844	.00754
#3	-.00014	.00164	.00597	.00578	12.024	.06575	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19589**	**.01956**	**-.00007**	**-.00582**	**.00313**	**87.186**	**.00471**
Stddev	.00708	.00055	.00015	.01152	.00085	7.197	.00130
%RSD	3.6150	2.8258	197.97	197.91	27.109	8.2546	27.675
#1	.19885	.02015	-.00004	-.01597	.00320	80.351	.00349
#2	.20101	.01906	-.00023	.00670	.00225	94.697	.00455
#3	.18781	.01946	.00005	-.00818	.00395	86.511	.00608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044707 Acquired: 2/18/2011 12:56:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 100 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-25.413**	**.34651**	F **-11.350**	**-.00225**	**.00138**	**2.3240**	**.00016**
Stddev	9.124	.03200	2.639	.00267	.00267	.2608	.00046
%RSD	35.904	9.2349	23.248	118.33	193.80	11.223	291.67
#1	-35.119	.32216	-12.999	.00075	.00202	2.4742	-.00030
#2	-24.111	.38276	-8.3066	-.00435	.00367	2.4749	.00061
#3	-17.010	.33463	-12.744	-.00315	-.00155	2.0228	.00015
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00701**	**.00213**	**.01906**	**.00470**	**4.0202**
Stddev	.00006	.00021	.00053	.00016	.00002	.1791
%RSD	9.5474	3.0627	24.968	.84441	.46013	4.4544
#1	.00062	.00725	.00166	.01916	.00471	4.2258
#2	.00055	.00684	.00271	.01887	.00468	3.9360
#3	.00067	.00695	.00204	.01915	.00472	3.8987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75477.**	**53582.**
Stddev	134.	464.
%RSD	.17732	.86551
#1	75400.	54027.
#2	75399.	53102.
#3	75631.	53618.

Approved: February 21, 2011

Sample Name: LRC Acquired: 2/18/2011 13:00:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**793.86**	F **-.01263**	**.00121**	**.00076**	**.00001**	**-.00894**
Stddev	.00063	21.89	.00092	.00135	.00045	.00000	.00801
%RSD	90.071	2.7574	7.3237	112.02	59.945	48.744	89.588
#1	.00002	768.84	-.01360	-.00028	.00024	.00001	-.00531
#2	.00082	803.27	-.01253	.00236	.00095	.00001	-.00339
#3	.00125	809.48	-.01175	.00155	.00108	.00000	-.01812
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			90.000				
Low Limit			-.01000				

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00076**	**-.00017**	**-.00052**	**.00722**	**-.02647**	**-.00216**
Stddev	.00009	.00023	.00079	.00027	.00585	.08367	.00251
%RSD	61.313	30.445	454.39	51.775	80.950	316.07	116.13
#1	-.00009	.00068	-.00037	-.00081	.00077	.05329	-.00500
#2	-.00010	.00103	.00070	-.00029	.00873	-.11357	-.00120
#3	-.00025	.00059	-.00084	-.00044	.01217	-.01914	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00382**	**-.00042**	**.00234**	**-.00465**	F **-1223.4**	**.05280**
Stddev	.01604	.00040	.00082	.01333	.00042	29.5	.00738
%RSD	1843.9	10.330	192.95	570.77	9.0966	2.4074	13.983
#1	.01614	.00411	-.00137	-.00681	-.00488	-1252.8	.06046
#2	-.01571	.00337	.00001	.01763	-.00416	-1193.9	.05221
#3	-.00304	.00398	.00009	-.00381	-.00490	-1223.6	.04573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LRC Acquired: 2/18/2011 13:00:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-21.656**	F **-1.0967**	F **19.726**	**-.01647**	F **-.03447**	**.59155**	**-.00014**
Stddev	21.361	.0109	.494	.00494	.00194	.19684	.00044
%RSD	98.638	.98973	2.5058	29.994	5.6230	33.275	323.59
#1	-40.930	-1.0843	19.159	-.01093	-.03631	.81245	.00010
#2	-25.346	-1.1015	20.066	-.02041	-.03464	.43476	.00014
#3	1.3099	-1.1043	19.954	-.01807	-.03245	.52745	-.00065
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000		81.000		
Low Limit	-.00400	-.00400	-.00400		-.01000		

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00120**	**.00364**	**-.00011**	F **-.01863**	**1.5236**
Stddev	.00014	.00145	.00313	.00019	.00094	.1998
%RSD	1498.0	120.85	86.194	176.75	5.0210	13.115
#1	.00013	-.00166	.00006	.00000	-.01758	1.3201
#2	-.00014	-.00235	.00496	-.00033	-.01893	1.5313
#3	-.00002	.00042	.00590	.00001	-.01937	1.7195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					45.000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71993.**	**53274.**
Stddev	400.	509.
%RSD	.55627	.95622
#1	72180.	53806.
#2	72265.	53227.
#3	71533.	52790.

Approved: February 21, 2011

Sample Name: L1102043202 Acquired: 2/18/2011 13:04:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**25.746**	**.05684**	**.35669**	**.66417**	**.01665**	**366.03**
Stddev	.00065	.212	.00117	.00443	.00193	.00013	1.03
%RSD	5.4559	.82198	2.0564	1.2425	.29124	.78491	.28183
#1	.01114	25.504	.05674	.35163	.66345	.01650	364.87
#2	.01226	25.835	.05572	.35986	.66637	.01671	366.86
#3	.01226	25.898	.05805	.35858	.66270	.01674	366.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00742**	**.02969**	**.25498**	**1.5864**	**96.717**	**4.9550**	**.04429**
Stddev	.00004	.00036	.00181	.0032	.297	.0292	.00409
%RSD	.49532	1.2203	.70903	.20063	.30721	.58870	9.2371
#1	.00739	.02937	.25290	1.5848	96.520	4.9827	.04095
#2	.00740	.02962	.25619	1.5843	97.059	4.9577	.04306
#3	.00746	.03008	.25585	1.5900	96.572	4.9246	.04886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**104.59**	**2.8386**	**.02050**	**1.6965**	**.13841**	F **4706.4**	**2.2997**
Stddev	.30	.0080	.00045	.0044	.00049	1.8	.0069
%RSD	.28969	.28152	2.2040	.26170	.35359	.03787	.30171
#1	104.26	2.8325	.02014	1.6921	.13877	4707.6	2.3077
#2	104.85	2.8476	.02035	1.7010	.13785	4707.3	2.2957
#3	104.65	2.8356	.02100	1.6965	.13860	4704.4	2.2957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102043202 Acquired: 2/18/2011 13:04:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.392**	F **431.36**	F **-2613.9**	**.01844**	**.00920**	F **318.20**	**.11117**
Stddev	24.237	.63	3.1	.00043	.00042	1.76	.00031
%RSD	57.174	.14533	.11762	2.3397	4.5717	.55465	.27881
#1	-49.238	430.64	-2611.3	.01804	.00919	319.46	.11144
#2	-62.471	431.67	-2617.3	.01839	.00878	318.95	.11125
#3	-15.468	431.76	-2613.1	.01890	.00962	316.18	.11083
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.59094**	**.83011**	**.02531**	**.79304**	**6.6593**	F **67.391**
Stddev	.00182	.00406	.00093	.00977	.0072	.407
%RSD	.30733	.48873	3.6630	1.2325	.10855	.60359
#1	.58964	.82818	.02461	.78178	6.6518	66.938
#2	.59302	.83477	.02636	.79791	6.6598	67.508
#3	.59017	.82737	.02495	.79941	6.6663	67.726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**69450.**	**52106.**
Stddev	121.	233.
%RSD	.17418	.44754
#1	69470.	52375.
#2	69559.	51981.
#3	69320.	51962.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 13:08:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40058**	**10.041**	**.40593**	**.49818**	**1.0091**	**.04950**	**10.161**
Stddev	.00721	.141	.00294	.00902	.0015	.00043	.021
%RSD	1.8000	1.4012	.72466	1.8114	.14739	.86973	.20647
#1	.40510	10.098	.40312	.50279	1.0089	.04975	10.140
#2	.39226	9.8804	.40568	.48779	1.0078	.04901	10.182
#3	.40436	10.144	.40899	.50398	1.0107	.04976	10.162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05093**	**.20321**	**.49700**	**.50589**	**4.0475**	**50.621**	**1.0149**
Stddev	.00018	.00030	.00497	.00030	.0088	.096	.0018
%RSD	.34508	.14748	1.0010	.05871	.21649	.18876	.17847
#1	.05101	.20322	.49989	.50609	4.0575	50.517	1.0167
#2	.05106	.20351	.49126	.50602	4.0411	50.705	1.0131
#3	.05073	.20291	.49986	.50555	4.0440	50.642	1.0150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.138**	**.50711**	**1.0140**	**50.825**	**.50855**	F **4.8984**	**.51013**
Stddev	.024	.00180	.0008	.157	.00143	5.0152	.00143
%RSD	.23619	.35587	.08039	.30880	.28054	102.38	.28034
#1	10.140	.50527	1.0134	50.839	.50720	.65455	.51043
#2	10.160	.50887	1.0149	50.662	.51004	3.6080	.51138
#3	10.113	.50718	1.0137	50.975	.50841	10.433	.50857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 13:08:09 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-8.2514**	**10.267**	**10.355**	**1.2254**	**.40749**	F **4.4794**	**1.0181**
Stddev	16.186	.032	.510	.0018	.00299	.2231	.0019
%RSD	196.16	.31468	4.9214	.14257	.73345	4.9804	.18902
#1	-22.158	10.234	10.845	1.2240	.40953	4.2415	1.0159
#2	-12.111	10.270	10.392	1.2273	.40406	4.5128	1.0191
#3	9.5152	10.298	9.8279	1.2247	.40888	4.6839	1.0193
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000					5.0000	
Range	-10.000%					-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0151**	**1.0152**	**.51208**	**.99438**	**1.0062**	F **4.6553**
Stddev	.0047	.0030	.00069	.01304	.0013	.2628
%RSD	.46487	.29181	.13566	1.3113	.12889	5.6446
#1	1.0109	1.0119	.51237	1.0021	1.0047	4.3721
#2	1.0202	1.0162	.51258	.97932	1.0070	4.7028
#3	1.0141	1.0176	.51129	1.0017	1.0069	4.8912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71965.**	**51638.**
Stddev	346.	303.
%RSD	.48082	.58675
#1	72357.	51436.
#2	71702.	51987.
#3	71837.	51492.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 13:11:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.01295**	**-.00040**	**.00100**	**.00124**	**.00002**	**-.00054**
Stddev	.00039	.00136	.00091	.00062	.00019	.00002	.01078
%RSD	107.73	10.518	229.59	62.187	15.682	90.524	1986.3
#1	.00060	.01452	-.00141	.00171	.00117	.00003	.00535
#2	.00057	.01208	-.00010	.00073	.00145	.00003	.00600
#3	-.00009	.01226	.00033	.00056	.00108	.00000	-.01298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00001**	**.00019**	**-.00056**	**.00488**	**.00294**	**-.00286**
Stddev	.00019	.00015	.00011	.00047	.00053	.05602	.00112
%RSD	194.38	1439.2	58.144	83.902	10.834	1908.2	39.282
#1	-.00011	-.00006	.00010	-.00002	.00509	.00700	-.00339
#2	-.00028	.00016	.00016	-.00077	.00526	.05681	-.00157
#3	.00010	-.00013	.00031	-.00090	.00427	-.05501	-.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	**.00086**	**.00086**	**.01352**	**.00009**	F **-.98193**	**.00151**
Stddev	.02258	.00027	.00030	.00477	.00036	2.6529	.00219
%RSD	373.27	31.666	35.318	35.280	406.09	270.17	144.64
#1	.00159	.00054	.00057	.01807	-.00015	-3.9148	.00378
#2	.03053	.00100	.00117	.00856	.00051	1.2502	-.00058
#3	-.01397	.00102	.00083	.01392	-.00009	-.28122	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 13:11:41 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **6.0775**	F **-.03510**	F **-.01441**	**.00266**	**.00217**	**.19149**	**.00065**
Stddev	8.5540	.01800	2.2624	.00199	.00425	.03865	.00037
%RSD	140.75	51.283	15702.	74.600	195.83	20.184	56.296
#1	13.597	-.05523	2.4706	.00044	.00190	.15779	.00045
#2	-3.2287	-.02952	-.55904	.00328	.00655	.23368	.00043
#3	7.8640	-.02055	-1.9548	.00427	-.00194	.18301	.00108
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00113**	**.00080**	**-.00024**	**.00015**	F **.43544**
Stddev	.00003	.00029	.00106	.00047	.00009	.10065
%RSD	11.499	25.812	132.38	198.95	58.418	23.115
#1	.00029	-.00132	.00090	.00024	.00009	.55095
#2	.00023	-.00127	.00181	-.00071	.00011	.38879
#3	.00028	-.00079	-.00031	-.00024	.00025	.36657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71317.**	**50743.**
Stddev	722.	212.
%RSD	1.0123	.41817
#1	71943.	50988.
#2	71482.	50614.
#3	70527.	50628.

Approved: February 21, 2011

Sample Name: L1102043203 Acquired: 2/18/2011 13:15:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**4.5012**	**.04467**	**.01611**	**.02598**	**.00110**	**3.8009**
Stddev	.00068	.0079	.00101	.00082	.00020	.00004	.0255
%RSD	16.212	.17502	2.2517	5.1096	.76526	3.5559	.67110
#1	.00435	4.5103	.04569	.01706	.02607	.00108	3.7852
#2	.00347	4.4963	.04463	.01565	.02575	.00115	3.8303
#3	.00481	4.4970	.04368	.01561	.02612	.00108	3.7871
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01033**	**.20262**	**.18380**	**35.930**	**1.1121**	**-.00185**
Stddev	.00003	.00009	.00127	.00078	.050	.0080	.00216
%RSD	4.6821	.88055	.62482	.42209	.13998	.72385	116.91
#1	.00066	.01043	.20117	.18459	35.924	1.1038	.00049
#2	.00060	.01027	.20353	.18376	35.882	1.1199	-.00377
#3	.00063	.01028	.20315	.18304	35.983	1.1127	-.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.60187**	**.03273**	**.00436**	**.86818**	**.00830**	**737.72**	**.04751**
Stddev	.02062	.00083	.00003	.00913	.00049	3.00	.00253
%RSD	3.4252	2.5345	.74964	1.0515	5.9628	.40598	5.3227
#1	.58927	.03299	.00437	.85967	.00774	737.73	.04492
#2	.62566	.03180	.00439	.86706	.00867	740.70	.04765
#3	.59068	.03339	.00432	.87782	.00848	734.71	.04997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102043203 Acquired: 2/18/2011 13:15:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-21.861**	**8.0697**	F **-147.66**	**.00923**	**.00412**	F **246.04**	**.00596**
Stddev	2.516	.0677	1.58	.00206	.00144	1.66	.00025
%RSD	11.510	.83939	1.0670	22.277	34.853	.67430	4.2624
#1	-20.738	8.0064	-147.77	.01159	.00302	247.78	.00625
#2	-24.743	8.1411	-149.18	.00782	.00360	244.47	.00576
#3	-20.102	8.0616	-146.03	.00828	.00575	245.88	.00588
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000		9.0000			90.000	
Low Limit	-.00400		-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01923**	**.10543**	**.01393**	**.53115**	**.20693**	F **73.403**
Stddev	.00024	.00543	.00051	.00058	.00047	1.795
%RSD	1.2618	5.1492	3.6755	.10861	.22729	2.4453
#1	.01928	.11115	.01415	.53049	.20744	75.380
#2	.01896	.10477	.01335	.53156	.20682	72.956
#3	.01944	.10036	.01430	.53141	.20652	71.874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						45.000
Low Limit						-.00400

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74115.**	**53330.**
Stddev	352.	114.
%RSD	.47467	.21289
#1	73893.	53212.
#2	73932.	53439.
#3	74521.	53341.

Approved: February 21, 2011

Sample Name: L1102043204 Acquired: 2/18/2011 13:18:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**8.7153**	**.01184**	**.00676**	**.05491**	**.00093**	**2.9129**
Stddev	.00024	.0768	.00238	.00118	.00029	.00003	.0012
%RSD	8.7169	.88078	20.056	17.482	.53474	3.2712	.04131
#1	.00303	8.6332	.01020	.00809	.05495	.00096	2.9116
#2	.00257	8.7275	.01076	.00638	.05459	.00090	2.9140
#3	.00268	8.7853	.01457	.00583	.05517	.00094	2.9130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00358**	**.03187**	**.04394**	**17.278**	**1.4507**	**.00620**
Stddev	.00013	.00010	.00068	.00047	.048	.0538	.00083
%RSD	58.739	2.6968	2.1398	1.0613	.27688	3.7114	13.344
#1	.00007	.00368	.03207	.04387	17.333	1.4741	.00716
#2	.00027	.00357	.03111	.04351	17.256	1.3891	.00574
#3	.00030	.00349	.03242	.04444	17.246	1.4888	.00570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81238**	**.03658**	**.00162**	**.38646**	**.00939**	**541.76**	**.02214**
Stddev	.02314	.00030	.00040	.01302	.00050	1.87	.00350
%RSD	2.8488	.82418	24.929	3.3690	5.3002	.34431	15.792
#1	.82642	.03665	.00178	.37617	.00955	539.61	.01836
#2	.82505	.03625	.00116	.38210	.00978	542.75	.02281
#3	.78567	.03684	.00192	.40110	.00883	542.93	.02526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102043204 Acquired: 2/18/2011 13:18:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-13.732**	**6.3357**	F **-120.31**	**.00174**	**.00375**	F **512.32**	**.00266**
Stddev	16.980	.0324	.63	.00126	.00195	7.36	.00016
%RSD	123.65	.51117	.52499	72.412	52.044	1.4367	6.1000
#1	-6.2114	6.3676	-120.53	.00047	.00150	519.85	.00252
#2	-33.174	6.3028	-120.81	.00299	.00480	511.95	.00263
#3	-1.8108	6.3367	-119.60	.00178	.00495	505.15	.00284
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000		9.0000			90.000	
Low Limit	-.00400		-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02023**	**.28784**	**.00267**	**.09689**	**.04024**	**34.376**
Stddev	.00010	.00882	.00149	.00168	.00010	.696
%RSD	.49905	3.0649	55.855	1.7313	.24024	2.0252
#1	.02035	.29102	.00265	.09495	.04016	34.709
#2	.02017	.29463	.00118	.09785	.04035	33.576
#3	.02018	.27787	.00416	.09786	.04021	34.843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74114.**	**53034.**
Stddev	199.	244.
%RSD	.26801	.45927
#1	74144.	53315.
#2	73901.	52904.
#3	74295.	52883.

Approved: February 21, 2011

Sample Name: L1102036510 Acquired: 2/18/2011 13:22:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**22.913**	**.02941**	**.01683**	**.46125**	**.00200**	**113.49**
Stddev	.00024	.243	.00125	.00038	.00529	.00002	1.18
%RSD	17.287	1.0625	4.2602	2.2604	1.1459	.82768	1.0432
#1	.00167	22.633	.02902	.01715	.45546	.00198	112.39
#2	.00133	23.075	.02841	.01693	.46248	.00202	113.33
#3	.00121	23.031	.03082	.01641	.46582	.00200	114.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00170**	**.02357**	**.03144**	**.12748**	**38.668**	**4.1349**	**.03877**
Stddev	.00011	.00068	.00087	.00182	.436	.0272	.00087
%RSD	6.2458	2.8876	2.7554	1.4283	1.1285	.65874	2.2534
#1	.00165	.02283	.03068	.12570	38.202	4.1164	.03860
#2	.00162	.02372	.03238	.12741	38.734	4.1221	.03799
#3	.00182	.02416	.03128	.12934	39.067	4.1662	.03972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.341**	**2.0792**	**.00132**	**.43843**	**.03533**	F **4218.9**	**.10814**
Stddev	.153	.0213	.00031	.00677	.00070	80.7	.00301
%RSD	1.1505	1.0238	23.369	1.5441	1.9776	1.9135	2.7845
#1	13.206	2.0579	.00098	.43149	.03453	4137.9	.10478
#2	13.308	2.0793	.00139	.44501	.03570	4219.3	.11061
#3	13.508	2.1004	.00158	.43879	.03577	4299.4	.10902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036510 Acquired: 2/18/2011 13:22:35 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-23.158**	F **140.06**	F **-569.21**	**.00108**	**.00268**	F **106.18**	**.00261**
Stddev	15.961	2.49	10.13	.00151	.00188	1.03	.00036
%RSD	68.923	1.7753	1.7796	140.36	70.222	.97309	13.590
#1	-20.057	137.63	-558.51	.00260	.00383	105.33	.00229
#2	-40.441	139.94	-570.48	.00105	.00051	105.87	.00299
#3	-8.9744	142.60	-578.65	-.00042	.00369	107.33	.00257
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20219**	**.06754**	**.00534**	**.06680**	**.21667**	**15.491**
Stddev	.00230	.00269	.00194	.00094	.00376	.573
%RSD	1.1356	3.9808	36.355	1.4077	1.7375	3.6968
#1	.20025	.06655	.00522	.06612	.21281	14.851
#2	.20159	.06549	.00347	.06640	.21685	15.666
#3	.20472	.07059	.00734	.06787	.22034	15.956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75334.**	**53469.**
Stddev	100.	94.
%RSD	.13288	.17636
#1	75218.	53402.
#2	75399.	53428.
#3	75383.	53577.

Approved: February 21, 2011

Sample Name: L1102036511 Acquired: 2/18/2011 13:26:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**29.276**	**.04015**	**.03142**	**.57078**	**.00313**	**285.57**
Stddev	.00044	.476	.00196	.00136	.00474	.00003	2.64
%RSD	16.995	1.6264	4.8795	4.3417	.83064	1.0588	.92289
#1	.00209	28.806	.04226	.03061	.56640	.00314	282.85
#2	.00278	29.264	.03839	.03065	.57011	.00310	285.75
#3	.00292	29.758	.03979	.03299	.57581	.00316	288.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**.02577**	**.05082**	**.36833**	**47.175**	**8.6505**	**.04534**
Stddev	.00004	.00034	.00039	.00459	.392	.0717	.00352
%RSD	.87923	1.3045	.76796	1.2470	.83086	.82931	7.7737
#1	.00429	.02549	.05041	.36316	46.800	8.5764	.04335
#2	.00437	.02568	.05086	.36993	47.144	8.6556	.04325
#3	.00434	.02614	.05119	.37192	47.582	8.7196	.04941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.018**	**3.1782**	**.00192**	**.18052**	**.05058**	F **8263.3**	**.31262**
Stddev	.184	.0284	.00016	.01584	.00017	81.6	.00402
%RSD	.87393	.89410	8.4243	8.7719	.33007	.98745	1.2850
#1	20.855	3.1476	.00177	.19135	.05049	8183.2	.30818
#2	20.982	3.1831	.00209	.18786	.05048	8260.2	.31600
#3	21.217	3.2038	.00190	.16235	.05078	8346.3	.31369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036511 Acquired: 2/18/2011 13:26:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.499**	F **356.97**	F **-1923.1**	**-.00039**	**.00187**	**81.673**	**.00523**
Stddev	6.269	4.87	24.7	.00184	.00087	1.205	.00034
%RSD	13.777	1.3637	1.2828	468.33	46.667	1.4752	6.5666
#1	-50.627	352.13	-1902.0	-.00216	.00089	80.468	.00483
#2	-47.360	356.90	-1917.2	-.00051	.00216	81.672	.00544
#3	-38.511	361.87	-1950.2	.00150	.00255	82.878	.00541
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23327**	**.08610**	**.00575**	**.07568**	**.41191**	**17.962**
Stddev	.00252	.00196	.00119	.00146	.00613	.491
%RSD	1.0813	2.2805	20.620	1.9347	1.4884	2.7356
#1	.23041	.08394	.00712	.07426	.40564	17.433
#2	.23422	.08777	.00511	.07561	.41220	18.047
#3	.23517	.08659	.00503	.07719	.41789	18.404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72895.**	**54454.**
Stddev	702.	382.
%RSD	.96344	.70207
#1	73696.	54567.
#2	72602.	54767.
#3	72387.	54028.

Approved: February 21, 2011

Sample Name: L1102036512 Acquired: 2/18/2011 13:29:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00176**	**30.467**	**.03636**	**.02441**	**.54566**	**.00316**	**275.48**
Stddev	.00027	.211	.00210	.00121	.00545	.00002	3.18
%RSD	15.541	.69367	5.7859	4.9486	.99950	.61252	1.1561
#1	.00162	30.378	.03508	.02360	.54013	.00314	272.36
#2	.00208	30.315	.03520	.02383	.54581	.00318	275.35
#3	.00159	30.709	.03878	.02579	.55103	.00317	278.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**.02628**	**.05192**	**.19601**	**45.090**	**7.9614**	**.04189**
Stddev	.00008	.00061	.00068	.00373	.404	.0826	.00238
%RSD	2.3374	2.3166	1.3047	1.9028	.89564	1.0376	5.6830
#1	.00344	.02559	.05128	.19187	44.689	7.9298	.03914
#2	.00350	.02651	.05184	.19705	45.083	7.8992	.04315
#3	.00334	.02675	.05263	.19912	45.497	8.0551	.04337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.015**	**3.1169**	**.00138**	**.15688**	**.05365**	F **4987.6**	**.21014**
Stddev	.221	.0356	.00032	.00956	.00196	100.4	.00232
%RSD	1.1062	1.1427	23.286	6.0920	3.6568	2.0133	1.1020
#1	19.804	3.0828	.00164	.15868	.05168	4902.1	.20780
#2	19.997	3.1140	.00102	.16541	.05368	4962.7	.21020
#3	20.246	3.1539	.00149	.14655	.05560	5098.2	.21243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036512 Acquired: 2/18/2011 13:29:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.472**	F **330.44**	F **-1073.9**	**-.00042**	**.00290**	**89.331**	**.00331**
Stddev	3.108	6.33	19.0	.00298	.00254	1.997	.00049
%RSD	6.8343	1.9151	1.7683	702.22	87.530	2.2356	14.886
#1	-47.088	324.16	-1052.9	-.00292	.00508	87.216	.00330
#2	-41.889	330.35	-1078.7	-.00123	.00011	89.593	.00283
#3	-47.439	336.82	-1090.0	.00288	.00351	91.184	.00382
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19739**	**.06970**	**.00599**	**.07640**	**.30346**	**16.212**
Stddev	.00218	.00015	.00247	.00048	.00582	.286
%RSD	1.1051	.21250	41.184	.62627	1.9169	1.7638
#1	.19514	.06985	.00652	.07638	.29762	15.941
#2	.19752	.06955	.00330	.07593	.30350	16.186
#3	.19950	.06968	.00815	.07689	.30926	16.511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73647.**	**53709.**
Stddev	155.	355.
%RSD	.21072	.66123
#1	73734.	53395.
#2	73740.	54094.
#3	73468.	53638.

Approved: February 21, 2011

Sample Name: L1102036513 Acquired: 2/18/2011 13:33:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00212**	**29.072**	**.03563**	**.02483**	**.51265**	**.00296**	**319.33**
Stddev	.00036	.273	.00073	.00155	.00338	.00004	.96
%RSD	17.133	.93788	2.0515	6.2305	.65910	1.1918	.30070
#1	.00195	28.944	.03616	.02308	.50877	.00299	318.33
#2	.00188	28.887	.03595	.02602	.51425	.00293	319.39
#3	.00254	29.385	.03480	.02537	.51494	.00297	320.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**.02262**	**.05147**	**.27881**	**43.783**	**8.0894**	**.04624**
Stddev	.00023	.00001	.00088	.00004	.287	.0547	.00144
%RSD	5.3070	.03420	1.7193	.01551	.65655	.67617	3.1098
#1	.00424	.02261	.05188	.27876	43.454	8.0297	.04464
#2	.00410	.02262	.05045	.27881	43.915	8.1013	.04666
#3	.00455	.02263	.05207	.27885	43.981	8.1372	.04742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.415**	**3.7623**	**.00188**	**.16131**	**.05049**	F **7208.1**	**.25646**
Stddev	.097	.0102	.00014	.00629	.00054	31.2	.00168
%RSD	.38328	.27159	7.6452	3.8986	1.0627	.43258	.65619
#1	25.346	3.7518	.00173	.16799	.05029	7179.4	.25481
#2	25.372	3.7629	.00202	.15550	.05008	7203.7	.25639
#3	25.526	3.7722	.00189	.16044	.05110	7241.3	.25818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036513 Acquired: 2/18/2011 13:33:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.074**	F **364.51**	F **-1302.1**	**.00065**	**.00258**	**63.062**	**.00520**
Stddev	8.518	1.36	11.2	.00168	.00296	.405	.00043
%RSD	19.325	.37385	.86343	256.00	114.80	.64269	8.2937
#1	-34.266	363.23	-1292.2	-.00007	.00017	62.903	.00497
#2	-49.610	364.36	-1299.7	.00257	.00168	62.760	.00494
#3	-48.347	365.94	-1314.3	-.00053	.00588	63.522	.00570
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21691**	**.07344**	**.00609**	**.06745**	**.41708**	**15.341**
Stddev	.00033	.00035	.00024	.00081	.00171	.467
%RSD	.15137	.48303	3.8824	1.2035	.40967	3.0417
#1	.21684	.07366	.00593	.06654	.41525	14.885
#2	.21662	.07303	.00636	.06808	.41738	15.318
#3	.21726	.07363	.00597	.06774	.41863	15.818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73033.**	**53158.**
Stddev	210.	266.
%RSD	.28806	.50039
#1	72885.	52952.
#2	72940.	53459.
#3	73273.	53065.

Approved: February 21, 2011

Sample Name: L1102036514 Acquired: 2/18/2011 13:36:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**31.145**	**.04269**	**.02328**	**.50452**	**.00331**	**330.55**
Stddev	.00108	.167	.00243	.00168	.00431	.00003	2.16
%RSD	49.171	.53478	5.6812	7.2230	.85455	.76335	.65457
#1	.00293	31.337	.04075	.02134	.50025	.00334	328.38
#2	.00096	31.043	.04190	.02432	.50445	.00329	330.55
#3	.00272	31.054	.04541	.02418	.50887	.00331	332.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**.02549**	**.05503**	**.19836**	**44.681**	**8.0999**	**.04899**
Stddev	.00016	.00046	.00062	.00386	.331	.0165	.00208
%RSD	3.9527	1.7950	1.1310	1.9464	.74114	.20325	4.2430
#1	.00383	.02499	.05550	.19396	44.349	8.0810	.04886
#2	.00412	.02589	.05432	.19992	44.683	8.1107	.04699
#3	.00409	.02558	.05526	.20119	45.011	8.1082	.05114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.493**	**3.9072**	**.00099**	**.16974**	**.05789**	F **5722.0**	**.25043**
Stddev	.181	.0251	.00029	.02348	.00037	49.9	.00187
%RSD	.77106	.64157	29.571	13.830	.64034	.87129	.74594
#1	23.307	3.8817	.00065	.18063	.05811	5672.5	.25062
#2	23.504	3.9082	.00113	.14280	.05746	5721.3	.24848
#3	23.669	3.9318	.00119	.18580	.05810	5772.2	.25220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036514 Acquired: 2/18/2011 13:36:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.802**	F **376.03**	F **-987.43**	**-.00046**	**.00042**	**87.128**	**.00345**
Stddev	6.608	4.86	13.35	.00238	.00190	1.004	.00021
%RSD	13.269	1.2937	1.3516	516.61	456.00	1.1521	6.0075
#1	-47.495	371.11	-974.54	.00134	-.00175	86.008	.00344
#2	-44.656	376.14	-986.55	-.00316	.00183	87.430	.00324
#3	-57.254	380.84	-1001.2	.00044	.00116	87.946	.00366
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17860**	**.06942**	**.00703**	**.07447**	**.37958**	**17.654**
Stddev	.00132	.00090	.00127	.00041	.00490	.095
%RSD	.73821	1.2981	18.120	.55472	1.2917	.53604
#1	.17718	.06843	.00823	.07495	.37449	17.608
#2	.17883	.06964	.00716	.07423	.37998	17.591
#3	.17979	.07019	.00569	.07423	.38427	17.763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73382.**	**54484.**
Stddev	129.	395.
%RSD	.17631	.72526
#1	73530.	54028.
#2	73321.	54733.
#3	73294.	54690.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 13:40:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39861**	**10.043**	**.40703**	**.49607**	**1.0090**	**.04921**	**10.182**
Stddev	.00629	.140	.00223	.00781	.0010	.00052	.015
%RSD	1.5773	1.3908	.54855	1.5752	.10121	1.0554	.14339
#1	.39256	9.9215	.40467	.48892	1.0082	.04865	10.165
#2	.39815	10.012	.40912	.49487	1.0087	.04929	10.187
#3	.40511	10.196	.40729	.50441	1.0102	.04968	10.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05132**	**.20427**	**.49330**	**.50632**	**4.0483**	**50.602**	**1.0142**
Stddev	.00025	.00023	.00491	.00064	.0175	.165	.0016
%RSD	.49058	.11029	.99549	.12661	.43315	.32529	.15411
#1	.05129	.20442	.48833	.50598	4.0365	50.427	1.0158
#2	.05158	.20402	.49343	.50706	4.0685	50.624	1.0142
#3	.05108	.20439	.49815	.50592	4.0400	50.754	1.0127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.093**	**.50724**	**1.0171**	**50.669**	**.51014**	F **28.331**	**.51060**
Stddev	.065	.00081	.0010	.052	.00101	14.349	.00164
%RSD	.64138	.15940	.10265	.10296	.19832	50.647	.32151
#1	10.028	.50630	1.0159	50.710	.51076	11.837	.51123
#2	10.093	.50771	1.0179	50.610	.50897	35.217	.50873
#3	10.158	.50770	1.0174	50.687	.51069	37.939	.51183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 13:40:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-10.476**	**10.433**	F **5.3606**	**1.2302**	**.40869**	**4.5242**	**1.0187**
Stddev	17.784	.067	3.9061	.0028	.00461	.2566	.0008
%RSD	169.75	.63795	72.868	.23022	1.1287	5.6715	.08296
#1	3.1241	10.361	8.3528	1.2305	.41306	4.2769	1.0180
#2	-3.9521	10.446	.94165	1.2329	.40915	4.5066	1.0184
#3	-30.600	10.492	6.7873	1.2273	.40387	4.7892	1.0196
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		-10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0166**	**1.0216**	**.51407**	**.98565**	**1.0061**	F **2.5574**
Stddev	.0039	.0056	.00190	.01169	.0015	.1362
%RSD	.38122	.55280	.36940	1.1862	.15206	5.3244
#1	1.0126	1.0173	.51347	.97355	1.0045	2.4550
#2	1.0168	1.0196	.51254	.98652	1.0063	2.5052
#3	1.0203	1.0280	.51619	.99688	1.0075	2.7119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**71805.**	**52120.**
Stddev	311.	331.
%RSD	.43363	.63485
#1	72073.	52266.
#2	71878.	52353.
#3	71463.	51742.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 13:43:38 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00105**	**.01158**	**.00201**	**-.00029**	**.00052**	**.00002**	**-.01260**
Stddev	.00026	.00255	.00109	.00130	.00027	.00001	.01787
%RSD	24.641	22.040	54.443	446.27	52.345	68.092	141.85
#1	.00133	.00913	.00102	-.00177	.00038	.00002	-.03121
#2	.00083	.01422	.00182	.00070	.00035	.00000	.00442
#3	.00098	.01138	.00318	.00019	.00084	.00003	-.01100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**-.00008**	**-.00015**	**.00003**	**.00110**	**.02792**	**-.00407**
Stddev	.00014	.00008	.00049	.00062	.00379	.01004	.00364
%RSD	476.27	98.198	326.35	1902.8	344.04	35.973	89.435
#1	-.00007	.00001	-.00053	.00072	-.00316	.02010	-.00088
#2	.00013	-.00012	-.00032	-.00014	.00234	.03924	-.00803
#3	-.00015	-.00013	.00040	-.00049	.00413	.02442	-.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01361**	**.00038**	**.00061**	**.02817**	**-.00011**	F **1.6749**	**-.00005**
Stddev	.01082	.00048	.00005	.03241	.00044	6.7006	.00338
%RSD	79.521	128.24	8.5306	115.04	393.75	400.07	6996.5
#1	.02087	.00032	.00065	.02334	-.00062	.88876	-.00220
#2	.00117	-.00008	.00055	.06273	.00018	-4.5980	.00385
#3	.01877	.00089	.00063	-.00155	.00010	8.7339	-.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 13:43:38 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-16.970**	**-.09802**	F **3.1884**	**-.00211**	**.00099**	**.02762**	**.00056**
Stddev	12.541	.05392	1.3335	.00072	.00377	.19359	.00035
%RSD	73.903	55.008	41.825	34.088	379.92	700.85	62.297
#1	-18.241	-.03829	1.9051	-.00294	.00532	.14827	.00034
#2	-28.828	-.14311	3.0930	-.00174	-.00160	-.19568	.00097
#3	-3.8419	-.11267	4.5670	-.00165	-.00074	.13027	.00039
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00082**	**.00234**	**.00009**	**.00016**	F **.32264**
Stddev	.00008	.00083	.00121	.00025	.00005	.22235
%RSD	65.968	101.80	51.809	283.54	28.666	68.914
#1	.00019	.00003	.00360	.00021	.00011	.17886
#2	.00015	-.00163	.00119	.00026	.00017	.57874
#3	.00003	-.00086	.00222	-.00020	.00020	.21032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74794.**	**51891.**
Stddev	1548.	156.
%RSD	2.0700	.30028
#1	73011.	51827.
#2	75794.	52069.
#3	75578.	51778.

Approved: February 21, 2011

Sample Name: L1102036515 Acquired: 2/18/2011 13:47:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**30.525**	**.03134**	**.02448**	**.60995**	**.00288**	**261.53**
Stddev	.00148	.150	.00016	.00128	.00455	.00003	1.29
%RSD	87.715	.49070	.51085	5.2491	.74532	.99796	.49433
#1	.00012	30.682	.03135	.02502	.60525	.00289	260.19
#2	.00189	30.508	.03149	.02301	.61027	.00291	261.65
#3	.00305	30.384	.03117	.02541	.61433	.00285	262.76
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00329**	**.02357**	**.04616**	**.19816**	**43.885**	**9.2067**	**.04640**
Stddev	.00012	.00029	.00096	.00106	.266	.0125	.00189
%RSD	3.6211	1.2366	2.0864	.53398	.60694	.13576	4.0767
#1	.00333	.02336	.04717	.19737	43.609	9.2036	.04818
#2	.00316	.02344	.04526	.19775	43.907	9.2204	.04441
#3	.00338	.02390	.04604	.19936	44.140	9.1960	.04661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.219**	**3.2890**	**.00111**	**.39074**	**.04990**	F **5308.1**	**.21486**
Stddev	.082	.0157	.00007	.01292	.00038	43.2	.00157
%RSD	.40635	.47598	6.1385	3.3077	.76346	.81388	.73224
#1	20.128	3.2736	.00103	.40141	.05033	5258.3	.21335
#2	20.240	3.2885	.00116	.37637	.04973	5330.0	.21474
#3	20.288	3.3049	.00114	.39445	.04963	5335.9	.21649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036515 Acquired: 2/18/2011 13:47:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.831**	F **304.92**	F **-1230.4**	**-.00067**	**.00552**	**63.997**	**.00347**
Stddev	24.496	2.71	12.1	.00230	.00286	.694	.00047
%RSD	52.307	.88869	.98391	344.37	51.717	1.0843	13.407
#1	-38.286	302.29	-1217.5	-.00279	.00775	63.196	.00364
#2	-27.752	304.78	-1232.1	.00177	.00651	64.426	.00384
#3	-74.455	307.70	-1241.6	-.00098	.00230	64.369	.00295
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17944**	**.05450**	**.00597**	**.06569**	**.33707**	**16.050**
Stddev	.00101	.00171	.00160	.00023	.00279	.117
%RSD	.56497	3.1333	26.870	.35333	.82786	.72610
#1	.17845	.05382	.00763	.06555	.33419	15.997
#2	.17937	.05644	.00442	.06596	.33725	16.184
#3	.18048	.05323	.00587	.06556	.33976	15.969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74055.**	**54790.**
Stddev	254.	260.
%RSD	.34316	.47496
#1	74228.	54515.
#2	74174.	54823.
#3	73763.	55032.

Approved: February 21, 2011

Sample Name: L1102036516 Acquired: 2/18/2011 13:50:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**38.485**	**.04032**	**.02552**	**.57024**	**.00389**	**340.25**
Stddev	.00132	.282	.00088	.00110	.00569	.00006	2.83
%RSD	68.825	.73375	2.1857	4.3005	.99830	1.6238	.83306
#1	.00047	38.173	.03992	.02433	.56407	.00382	337.55
#2	.00222	38.561	.03972	.02649	.57136	.00393	340.00
#3	.00305	38.722	.04133	.02575	.57529	.00392	343.20
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00396**	**.02944**	**.06400**	**.14521**	**52.155**	**8.3521**	**.05584**
Stddev	.00002	.00046	.00017	.00237	.493	.1048	.00266
%RSD	.60632	1.5492	.26727	1.6298	.94453	1.2545	4.7710
#1	.00397	.02896	.06408	.14292	51.625	8.2662	.05747
#2	.00394	.02948	.06380	.14506	52.242	8.3212	.05728
#3	.00399	.02987	.06412	.14765	52.599	8.4689	.05276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.246**	**4.1050**	**.00134**	**.92243**	**.06589**	F **5597.9**	**.24028**
Stddev	.251	.0362	.00043	.02594	.00080	73.6	.00276
%RSD	1.1262	.88157	32.355	2.8116	1.2076	1.3142	1.1507
#1	21.983	4.0684	.00126	.90194	.06534	5520.1	.23710
#2	22.274	4.1059	.00095	.91376	.06554	5607.2	.24169
#3	22.482	4.1408	.00181	.95159	.06681	5666.3	.24206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036516 Acquired: 2/18/2011 13:50:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-38.026**	F **385.01**	F **-916.64**	**.00130**	**.00005**	F **93.658**	**.00412**
Stddev	10.474	5.20	11.85	.00327	.00165	1.648	.00044
%RSD	27.544	1.3496	1.2928	251.62	3349.2	1.7595	10.679
#1	-26.132	379.66	-903.56	-.00220	-.00127	92.230	.00362
#2	-42.075	385.36	-919.70	.00429	-.00048	93.283	.00426
#3	-45.872	390.03	-926.65	.00181	.00190	95.461	.00447
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15197**	**.07353**	**.00788**	**.09553**	**.37967**	**18.203**
Stddev	.00116	.00083	.00132	.00135	.00465	.140
%RSD	.76522	1.1328	16.758	1.4171	1.2245	.77086
#1	.15091	.07301	.00941	.09467	.37506	18.298
#2	.15178	.07449	.00714	.09482	.37960	18.042
#3	.15321	.07309	.00709	.09709	.38436	18.270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72852.**	**52893.**
Stddev	407.	295.
%RSD	.55864	.55727
#1	72409.	53231.
#2	72937.	52758.
#3	73210.	52690.

Approved: February 21, 2011

Sample Name: L1102036517 Acquired: 2/18/2011 13:54:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**27.691**	**.03371**	**.03658**	**.65471**	**.00277**	**297.73**
Stddev	.00081	.165	.00082	.00053	.00155	.00003	.85
%RSD	30.039	.59507	2.4256	1.4451	.23653	.96793	.28533
#1	.00358	27.802	.03312	.03697	.65297	.00279	296.89
#2	.00246	27.502	.03337	.03598	.65521	.00274	297.71
#3	.00202	27.770	.03465	.03680	.65594	.00277	298.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**.02182**	**.05103**	**.31965**	**47.545**	**9.4774**	**.04793**
Stddev	.00005	.00014	.00053	.00263	.077	.0558	.00211
%RSD	.94373	.64922	1.0346	.82255	.16126	.58906	4.4104
#1	.00489	.02166	.05107	.31672	47.457	9.4176	.04878
#2	.00482	.02194	.05048	.32042	47.580	9.4865	.04948
#3	.00491	.02184	.05153	.32181	47.598	9.5282	.04552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.699**	**3.5256**	**.00838**	**2.8577**	**.04963**	F **15005.**	**.30583**
Stddev	.035	.0106	.00052	.0123	.00048	145.	.00356
%RSD	.14259	.29991	6.1764	.42857	.96616	.96410	1.1642
#1	24.667	3.5144	.00779	2.8676	.05010	14847.	.30280
#2	24.692	3.5270	.00869	2.8440	.04915	15040.	.30494
#3	24.736	3.5354	.00868	2.8615	.04964	15129.	.30975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036517 Acquired: 2/18/2011 13:54:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.082**	F **400.22**	F **-3380.0**	**.00103**	**.00496**	**67.612**	**.00470**
Stddev	11.238	2.63	17.1	.00235	.00248	.875	.00038
%RSD	21.577	.65614	.50673	228.52	50.137	1.2941	8.0846
#1	-44.927	397.46	-3360.3	-.00090	.00779	66.666	.00426
#2	-46.284	400.53	-3389.7	.00364	.00318	67.777	.00493
#3	-65.034	402.68	-3390.2	.00034	.00389	68.393	.00490
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29460**	**.08401**	**.00628**	**.06980**	**.49330**	**12.850**
Stddev	.00057	.00150	.00064	.00022	.00374	.239
%RSD	.19342	1.7852	10.186	.31357	.75779	1.8631
#1	.29398	.08258	.00702	.06987	.48919	12.755
#2	.29511	.08388	.00588	.06998	.49421	12.673
#3	.29471	.08557	.00594	.06956	.49650	13.122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74191.**	**54746.**
Stddev	51.	218.
%RSD	.06816	.39869
#1	74215.	54542.
#2	74226.	54976.
#3	74133.	54721.

Approved: February 21, 2011

Sample Name: L1102036518 Acquired: 2/18/2011 13:57:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**28.167**	**.03467**	**.02681**	**.56153**	**.00296**	**331.57**
Stddev	.00048	.434	.00167	.00129	.00496	.00009	2.76
%RSD	24.622	1.5424	4.8107	4.8225	.88314	2.9423	.83090
#1	.00175	27.827	.03348	.02676	.55634	.00289	328.56
#2	.00250	28.019	.03396	.02813	.56201	.00293	332.17
#3	.00161	28.657	.03658	.02554	.56623	.00305	333.97
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.02397**	**.05138**	**.19219**	**40.101**	**8.1388**	**.04747**
Stddev	.00007	.00039	.00072	.00333	.337	.0263	.00145
%RSD	1.7135	1.6083	1.3967	1.7328	.83992	.32260	3.0468
#1	.00421	.02355	.05059	.18897	39.745	8.1302	.04858
#2	.00413	.02406	.05155	.19196	40.145	8.1179	.04799
#3	.00427	.02431	.05200	.19562	40.414	8.1683	.04583
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.300**	**3.4329**	**.00245**	**1.4209**	**.05185**	F **9505.7**	**.23882**
Stddev	.170	.0253	.00051	.0234	.00075	168.0	.00565
%RSD	.83961	.73615	20.671	1.6448	1.4543	1.7669	2.3642
#1	20.114	3.4059	.00232	1.3939	.05218	9339.4	.23510
#2	20.335	3.4369	.00202	1.4342	.05099	9502.5	.23605
#3	20.450	3.4559	.00301	1.4346	.05239	9675.2	.24532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036518 Acquired: 2/18/2011 13:57:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.720**	F **407.98**	F **-1934.8**	**.00369**	**.00350**	**65.169**	**.00462**
Stddev	8.226	8.03	39.2	.00269	.00354	1.109	.00040
%RSD	15.602	1.9684	2.0244	73.025	101.11	1.7021	8.6378
#1	-60.131	400.31	-1897.8	.00180	.00385	63.998	.00419
#2	-54.158	407.30	-1930.8	.00249	.00686	65.302	.00469
#3	-43.870	416.33	-1975.9	.00677	-.00020	66.205	.00498
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22175**	**.06384**	**.00660**	**.06739**	**.39581**	**15.977**
Stddev	.00169	.00051	.00204	.00061	.00833	.447
%RSD	.76367	.80643	30.932	.91252	2.1036	2.7974
#1	.21993	.06337	.00652	.06685	.38776	15.641
#2	.22203	.06377	.00460	.06725	.39529	15.805
#3	.22329	.06439	.00868	.06806	.40439	16.484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74001.**	**54133.**
Stddev	329.	257.
%RSD	.44482	.47552
#1	74219.	54189.
#2	74162.	54358.
#3	73623.	53852.

Approved: February 21, 2011

Sample Name: L1102036519 Acquired: 2/18/2011 14:01:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**24.742**	**.02920**	**.03811**	**.55489**	**.00275**	**339.76**
Stddev	.00060	.280	.00172	.00111	.00591	.00004	3.41
%RSD	18.540	1.1330	5.8863	2.9244	1.0651	1.2892	1.0029
#1	.00279	24.420	.03115	.03683	.54949	.00271	336.52
#2	.00390	24.929	.02793	.03864	.55398	.00277	339.44
#3	.00297	24.878	.02851	.03885	.56120	.00277	343.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00452**	**.02566**	**.04268**	**.98937**	**49.039**	**8.5836**	**.05121**
Stddev	.00025	.00032	.00035	.01373	.469	.1437	.00132
%RSD	5.4867	1.2648	.83092	1.3879	.95633	1.6744	2.5690
#1	.00425	.02546	.04260	.97658	48.596	8.4501	.05255
#2	.00456	.02549	.04307	.98764	48.991	8.5650	.05117
#3	.00474	.02604	.04238	1.0039	49.530	8.7357	.04992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.807**	**3.1044**	**.06778**	**.59376**	**.04611**	F **16413.**	**.32295**
Stddev	.162	.0326	.00102	.01177	.00065	217.	.00460
%RSD	.90773	1.0487	1.5059	1.9825	1.4097	1.3232	1.4253
#1	17.646	3.0710	.06719	.59326	.04548	16195.	.31908
#2	17.806	3.1061	.06720	.60577	.04608	16416.	.32171
#3	17.970	3.1361	.06896	.58224	.04678	16629.	.32804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036519 Acquired: 2/18/2011 14:01:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-51.605**	F **472.79**	F **-3972.6**	**-.00042**	**.00377**	**69.641**	**.00680**
Stddev	18.985	6.65	58.2	.00339	.00263	1.381	.00022
%RSD	36.788	1.4065	1.4647	815.70	69.876	1.9835	3.1620
#1	-37.267	466.43	-3916.3	-.00422	.00575	68.058	.00679
#2	-44.413	472.25	-3969.1	.00068	.00477	70.270	.00659
#3	-73.135	479.69	-4032.5	.00229	.00078	70.597	.00702
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43325**	**.07620**	**.00504**	**.06261**	**.60502**	**14.318**
Stddev	.00518	.00179	.00121	.00045	.00794	.082
%RSD	1.1964	2.3533	24.079	.72183	1.3124	.57224
#1	.42812	.07822	.00405	.06210	.59711	14.274
#2	.43315	.07559	.00468	.06278	.60496	14.413
#3	.43849	.07480	.00640	.06296	.61299	14.268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73152.**	**53806.**
Stddev	191.	67.
%RSD	.26051	.12376
#1	72955.	53804.
#2	73335.	53740.
#3	73166.	53873.

Approved: February 21, 2011

Sample Name: L1102036520 Acquired: 2/18/2011 14:04:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00222**	**25.475**	**.02953**	**.03191**	**.53425**	**.00273**	**511.76**
Stddev	.00026	.197	.00138	.00314	.00373	.00002	4.61
%RSD	11.834	.77361	4.6888	9.8324	.69854	.71078	.90068
#1	.00195	25.259	.02945	.03095	.53038	.00274	507.06
#2	.00247	25.645	.02818	.02936	.53454	.00271	511.96
#3	.00225	25.522	.03095	.03541	.53783	.00274	516.27
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.02348**	**.04527**	**.28677**	**37.798**	**8.0542**	**.05776**
Stddev	.00012	.00040	.00043	.00568	.278	.1047	.00149
%RSD	2.6548	1.6906	.94869	1.9806	.73659	1.2994	2.5715
#1	.00463	.02306	.04513	.28082	37.530	7.9853	.05852
#2	.00439	.02356	.04494	.28735	37.778	8.0028	.05604
#3	.00449	.02384	.04576	.29214	38.086	8.1746	.05870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.889**	**2.9141**	**.00896**	**.42062**	**.04891**	F **13474.**	**.25229**
Stddev	.147	.0237	.00018	.00628	.00103	192.	.00412
%RSD	.77701	.81380	1.9655	1.4933	2.1099	1.4235	1.6317
#1	18.745	2.8887	.00913	.42532	.04777	13271.	.24846
#2	18.883	2.9180	.00896	.41349	.04977	13500.	.25177
#3	19.039	2.9357	.00878	.42306	.04920	13652.	.25665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036520 Acquired: 2/18/2011 14:04:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.327**	F **587.50**	F **-1672.7**	**.00004**	**.00317**	**82.926**	**.00637**
Stddev	17.390	9.36	23.5	.00189	.00139	1.178	.00025
%RSD	28.356	1.5928	1.4024	4820.9	43.703	1.4206	3.9775
#1	-46.102	578.25	-1651.1	.00219	.00436	82.000	.00658
#2	-80.278	587.30	-1669.4	-.00074	.00350	82.526	.00609
#3	-57.601	596.96	-1697.7	-.00133	.00165	84.252	.00644
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32769**	**.06060**	**.00499**	**.06508**	**.49955**	**17.720**
Stddev	.00288	.00088	.00080	.00060	.00811	.437
%RSD	.87858	1.4502	16.056	.92831	1.6228	2.4683
#1	.32459	.05971	.00408	.06449	.49133	17.639
#2	.32820	.06146	.00558	.06506	.49980	17.329
#3	.33029	.06064	.00531	.06570	.50753	18.193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72676.**	**54531.**
Stddev	469.	134.
%RSD	.64467	.24574
#1	73057.	54376.
#2	72818.	54600.
#3	72153.	54616.

Approved: February 21, 2011

Sample Name: L1102036521 Acquired: 2/18/2011 14:08:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00207**	**25.481**	**.03255**	**.03554**	**.57892**	**.00236**	**256.84**
Stddev	.00021	.288	.00087	.00226	.00705	.00004	2.96
%RSD	9.9801	1.1286	2.6586	6.3624	1.2186	1.8741	1.1531
#1	.00183	25.303	.03281	.03808	.57156	.00233	253.71
#2	.00220	25.328	.03158	.03479	.57958	.00235	257.20
#3	.00217	25.813	.03325	.03375	.58562	.00241	259.60
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**.02530**	**.04650**	**.42159**	**41.646**	**7.5907**	**.04235**
Stddev	.00020	.00038	.00029	.00587	.519	.1248	.00443
%RSD	5.0458	1.5149	.62784	1.3925	1.2452	1.6437	10.472
#1	.00392	.02494	.04642	.41508	41.094	7.4562	.03830
#2	.00379	.02527	.04626	.42322	41.722	7.6134	.04709
#3	.00419	.02570	.04683	.42648	42.122	7.7026	.04165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.203**	**2.8985**	**.00316**	**.30119**	**.07720**	F **8701.4**	**.33097**
Stddev	.193	.0326	.00019	.00734	.05372	158.9	.00643
%RSD	1.0629	1.1266	5.8804	2.4377	69.591	1.8257	1.9431
#1	17.998	2.8629	.00296	.30001	.04528	8528.9	.32358
#2	18.231	2.9053	.00320	.30905	.13922	8733.9	.33405
#3	18.381	2.9272	.00332	.29451	.04710	8841.6	.33529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036521 Acquired: 2/18/2011 14:08:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.251**	F **389.19**	F **-4074.0**	**.00141**	**.00686**	**74.177**	**.00541**
Stddev	10.278	10.05	272.4	.00150	.00229	1.780	.00026
%RSD	25.536	2.5833	6.6858	106.10	33.327	2.3998	4.7268
#1	-43.143	378.56	-3859.4	-.00030	.00429	72.168	.00540
#2	-28.837	398.54	-4380.5	.00207	.00866	75.558	.00568
#3	-48.774	390.48	-3982.2	.00246	.00764	74.805	.00517
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20661**	**.07779**	**.00613**	**.06455**	**.63393**	**14.728**
Stddev	.00221	.00285	.00142	.00156	.03530	.052
%RSD	1.0694	3.6683	23.224	2.4198	5.5678	.35136
#1	.20418	.07989	.00763	.06402	.60536	14.786
#2	.20717	.07454	.00480	.06333	.67338	14.686
#3	.20849	.07894	.00596	.06631	.62305	14.711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74812.**	**54490.**
Stddev	540.	174.
%RSD	.72169	.31902
#1	74795.	54587.
#2	74280.	54594.
#3	75360.	54289.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 14:12:00 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40667**	**10.077**	**.40644**	**.50365**	**1.0049**	**.05009**	**10.095**
Stddev	.00614	.126	.00250	.00611	.0023	.00072	.003
%RSD	1.5107	1.2520	.61534	1.2131	.22777	1.4369	.02752
#1	.40867	10.070	.40375	.50322	1.0047	.05021	10.092
#2	.41156	10.207	.40687	.50996	1.0072	.05074	10.095
#3	.39977	9.9554	.40869	.49776	1.0027	.04932	10.097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05074**	**.20279**	**.49973**	**.50324**	**4.0238**	**50.330**	**1.0128**
Stddev	.00017	.00007	.00726	.00101	.0199	.147	.0045
%RSD	.33846	.03460	1.4523	.20090	.49362	.29134	.44155
#1	.05058	.20282	.49899	.50209	4.0054	50.311	1.0129
#2	.05092	.20285	.50733	.50399	4.0449	50.484	1.0172
#3	.05072	.20271	.49287	.50363	4.0212	50.193	1.0082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.048**	**.50447**	**1.0147**	**50.404**	**.50688**	F **11.979**	**.50675**
Stddev	.008	.00112	.0012	.172	.00105	1.561	.00179
%RSD	.07690	.22145	.11965	.34213	.20745	13.027	.35279
#1	10.051	.50536	1.0133	50.353	.50567	12.725	.50834
#2	10.053	.50483	1.0152	50.596	.50745	13.027	.50709
#3	10.039	.50321	1.0156	50.262	.50752	10.186	.50481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 14:12:00 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.179**	**10.113**	F **11.928**	**1.2275**	**.40639**	F **4.2992**	**1.0129**
Stddev	23.273	.021	1.250	.0013	.00236	.1161	.0013
%RSD	53.899	.20989	10.481	.10758	.58057	2.6995	.13082
#1	-55.289	10.094	10.809	1.2264	.40392	4.4315	1.0114
#2	-16.348	10.136	13.277	1.2271	.40863	4.2519	1.0136
#3	-57.900	10.110	11.697	1.2290	.40661	4.2144	1.0138
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0121**	**1.0177**	**.51085**	**1.0080**	**.99500**	F **1.9024**
Stddev	.0019	.0041	.00109	.0124	.00013	.3041
%RSD	.19117	.40615	.21359	1.2352	.01328	15.984
#1	1.0121	1.0158	.51111	1.0095	.99515	1.7395
#2	1.0141	1.0148	.51178	1.0196	.99494	2.2532
#3	1.0102	1.0224	.50965	.99484	.99491	1.7144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75913.**	**53544.**
Stddev	286.	810.
%RSD	.37735	1.5120
#1	75585.	53055.
#2	76037.	53098.
#3	76117.	54478.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 14:15:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00046**	**.00090**	**-.00063**	**-.00030**	**.00005**	**.00613**
Stddev	.00029	.00066	.00141	.00089	.00026	.00002	.00886
%RSD	310.53	144.00	157.07	141.13	85.233	46.492	144.50
#1	.00005	-.00112	.00006	-.00148	-.00002	.00004	.01278
#2	-.00017	.00021	.00011	-.00070	-.00052	.00008	-.00393
#3	.00040	-.00048	.00252	.00029	-.00036	.00003	.00954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00008**	**-.00096**	**-.00027**	**.00387**	**-.06557**	**.00004**
Stddev	.00009	.00016	.00011	.00032	.00430	.04120	.00228
%RSD	2403.9	207.13	11.792	120.42	111.14	62.835	5831.5
#1	-.00002	.00009	-.00083	-.00053	.00788	-.07983	.00088
#2	.00010	-.00010	-.00100	-.00036	-.00067	-.09776	.00178
#3	-.00007	-.00022	-.00105	.00009	.00439	-.01914	-.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00452**	**.00045**	**.00054**	**.02137**	**.00034**	F **5.5305**	**.00178**
Stddev	.01466	.00050	.00018	.02572	.00048	2.1173	.00063
%RSD	324.60	112.67	33.600	120.34	141.82	38.283	35.204
#1	-.01090	.00092	.00036	.04715	-.00021	7.4354	.00117
#2	-.01490	.00051	.00073	-.00429	.00054	3.2509	.00175
#3	.01226	-.00009	.00054	.02126	.00068	5.9051	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 14:15:32 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.847**	**-.10408**	F **5.5702**	**-.00137**	**.00503**	**-.17487**	**.00044**
Stddev	8.240	.04457	.8163	.00174	.00253	.28621	.00026
%RSD	19.230	42.826	14.656	126.74	50.265	163.67	60.065
#1	-47.008	-.05278	5.3972	-.00036	.00779	-.39971	.00041
#2	-48.177	-.13338	6.4591	-.00038	.00283	-.27222	.00019
#3	-33.357	-.12608	4.8541	-.00338	.00446	.14732	.00071
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00003**	**.00173**	**-.00025**	**.00015**	F **.72670**
Stddev	.00006	.00060	.00039	.00046	.00001	.21607
%RSD	107.28	2339.0	22.729	186.00	8.7948	29.733
#1	-.00001	-.00012	.00155	.00028	.00016	.95159
#2	-.00004	.00062	.00146	-.00047	.00016	.52069
#3	-.00012	-.00058	.00218	-.00056	.00014	.70783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76149.**	**55493.**
Stddev	178.	305.
%RSD	.23320	.55027
#1	76342.	55477.
#2	76112.	55196.
#3	75993.	55806.

Approved: February 21, 2011

Sample Name: PBS SD Acquired: 2/18/2011 14:19:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356822-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00219**	**-.00124**	**-.00106**	**.00001**	**.00006**	**.02140**
Stddev	.00083	.00088	.00207	.00050	.00030	.00004	.01387
%RSD	275.58	40.026	166.26	46.931	3503.0	63.664	64.795
#1	.00045	-.00308	-.00213	-.00160	.00019	.00009	.03737
#2	.00104	-.00133	-.00272	-.00062	-.00034	.00002	.01456
#3	-.00059	-.00217	.00112	-.00096	.00018	.00009	.01229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00043**	**.00022**	**-.00039**	**.00980**	**-.06104**	**-.00246**
Stddev	.00009	.00005	.00019	.00009	.00504	.02496	.00078
%RSD	64.965	10.681	86.026	23.344	51.455	40.889	31.701
#1	.00003	-.00038	.00025	-.00050	.01433	-.03359	-.00181
#2	.00019	-.00046	.00040	-.00035	.00437	-.08237	-.00224
#3	.00017	-.00044	.00002	-.00033	.01070	-.06716	-.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00263**	**.00081**	**.00010**	**.02493**	**.00114**	F **-9.5744**	**.00250**
Stddev	.02215	.00081	.00007	.01013	.00012	8.9725	.00249
%RSD	841.39	99.814	62.923	40.614	10.617	93.714	99.738
#1	.01149	.00012	.00012	.02776	.00110	-18.612	.00006
#2	-.02257	.00170	.00003	.03334	.00105	-9.4433	.00239
#3	.01898	.00061	.00016	.01369	.00128	-.6682	.00504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS SD Acquired: 2/18/2011 14:19:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356822-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.050**	F **-.04637**	**4.0356**	**-.00068**	**.00567**	**1.8193**	**.00039**
Stddev	16.423	.00527	.7580	.00145	.00180	.3198	.00026
%RSD	38.147	11.370	18.783	213.38	31.695	17.579	65.642
#1	-36.382	-.05242	4.5600	-.00142	.00433	1.7826	.00048
#2	-31.011	-.04274	4.3803	-.00161	.00497	1.5195	.00060
#3	-61.758	-.04396	3.1665	.00099	.00771	2.1559	.00010
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00073**	**-.00155**	**-.00031**	**.00229**	**.64945**
Stddev	.00006	.00138	.00139	.00034	.00003	.19698
%RSD	364.45	187.35	90.118	109.33	1.2267	30.330
#1	-.00007	.00135	-.00315	-.00068	.00233	.85743
#2	.00005	-.00084	-.00090	-.00024	.00228	.62518
#3	-.00004	.00170	-.00060	-.00001	.00228	.46573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75965.**	**54199.**
Stddev	170.	210.
%RSD	.22407	.38794
#1	75778.	54288.
#2	76112.	54351.
#3	76006.	53959.

Approved: February 21, 2011

Sample Name: LCSS SD Acquired: 2/18/2011 14:22:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356822-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20125**	**-.00222**	**.20541**	**.00036**	**.00050**	**.00006**	**.00346**
Stddev	.00308	.00209	.00120	.00152	.00048	.00000	.01041
%RSD	1.5293	93.991	.58531	419.25	96.236	3.8780	300.68
#1	.19776	-.00463	.20679	.00128	-.00006	.00006	-.00100
#2	.20241	-.00101	.20492	-.00139	.00077	.00006	.01536
#3	.20359	-.00102	.20454	.00121	.00078	.00007	-.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02594**	**-.00037**	**.00012**	**.26603**	**.00282**	**-.04251**	**.00003**
Stddev	.00004	.00015	.00043	.00072	.00218	.02506	.00154
%RSD	.14548	41.508	348.21	.26910	77.265	58.958	5287.6
#1	.02594	-.00053	.00062	.26560	.00364	-.01375	.00140
#2	.02590	-.00023	-.00017	.26562	.00035	-.05968	-.00164
#3	.02598	-.00033	-.00008	.26685	.00447	-.05410	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.27374**	**-.00021**	**-.00188**	**.00171**	F **-10.525**	**.27208**
Stddev	.01351	.00137	.00011	.02182	.00021	6.904	.00399
%RSD	1701.8	.50024	51.587	1159.0	12.282	65.601	1.4676
#1	-.00844	.27433	-.00028	-.00966	.00148	-6.3920	.26770
#2	.01630	.27472	-.00008	-.01874	.00177	-18.496	.27305
#3	-.00548	.27218	-.00025	.02276	.00189	-6.6871	.27551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS SD Acquired: 2/18/2011 14:22:52 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356822-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-26.721**	F **-.14784**	**6.8121**	**.00001**	**.00633**	**1.2338**	**.00068**
Stddev	8.276	.02370	1.5900	.00256	.00412	.0917	.00026
%RSD	30.970	16.030	23.342	38043.	65.110	7.4339	39.013
#1	-17.173	-.17480	7.9474	.00046	.00450	1.2490	.00090
#2	-31.830	-.13845	4.9948	-.00275	.01105	1.1355	.00075
#3	-31.160	-.13028	7.4940	.00230	.00345	1.3170	.00038
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00017**	**.00023**	**-.00052**	**.00156**	**.28895**
Stddev	.00012	.00074	.00120	.00075	.00012	.27186
%RSD	46.154	438.92	526.93	144.20	7.7834	94.083
#1	-.00039	.00022	-.00092	.00009	.00142	.06623
#2	-.00023	-.00059	.00147	-.00029	.00159	.59189
#3	-.00016	.00088	.00014	-.00136	.00166	.20874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75140.**	**53364.**
Stddev	332.	192.
%RSD	.44220	.35967
#1	75404.	53571.
#2	75249.	53328.
#3	74767.	53192.

Approved: February 21, 2011

Sample Name: L1102036301 Acquired: 2/18/2011 14:26:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**52.213**	**.04329**	**.05211**	**.46364**	**.00230**	**353.24**
Stddev	.00060	.192	.00213	.00131	.00110	.00002	.82
%RSD	11.113	.36732	4.9117	2.5218	.23637	.68141	.23103
#1	.00500	52.321	.04110	.05127	.46372	.00229	352.85
#2	.00517	51.991	.04535	.05363	.46250	.00231	352.69
#3	.00612	52.326	.04342	.05145	.46469	.00228	354.17
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00622**	**.02230**	**.08139**	**.39968**	**65.796**	**11.119**	**.07250**
Stddev	.00006	.00006	.00035	.00088	.057	.084	.00098
%RSD	.90437	.27334	.43508	.22022	.08631	.75880	1.3495
#1	.00622	.02237	.08171	.39870	65.834	11.095	.07363
#2	.00627	.02225	.08101	.40041	65.731	11.050	.07194
#3	.00616	.02228	.08146	.39994	65.824	11.213	.07193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.750**	**4.5131**	**.00222**	**.54891**	**.05796**	F **7932.7**	**.49796**
Stddev	.077	.0060	.00032	.02519	.00070	20.5	.00246
%RSD	.25136	.13411	14.442	4.5882	1.2086	.25821	.49476
#1	30.760	4.5071	.00258	.51986	.05722	7911.2	.49972
#2	30.668	4.5131	.00205	.56226	.05805	7951.9	.49515
#3	30.822	4.5192	.00201	.56461	.05861	7935.1	.49902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036301 Acquired: 2/18/2011 14:26:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.502**	F **400.61**	F **-1739.2**	**.00200**	**.00186**	**58.003**	**.02305**
Stddev	16.210	.97	1.9	.00134	.00626	.259	.00018
%RSD	35.624	.24247	.10807	66.967	337.02	.44661	.77918
#1	-57.856	400.18	-1740.0	.00062	.00236	57.704	.02317
#2	-51.502	399.93	-1737.1	.00329	-.00464	58.150	.02314
#3	-27.148	401.72	-1740.6	.00208	.00785	58.156	.02285
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19135**	**.50037**	**.00975**	**.10157**	**.87525**	**16.850**
Stddev	.00065	.00055	.00099	.00012	.00189	.171
%RSD	.33800	.10893	10.195	.11350	.21586	1.0164
#1	.19093	.50006	.00889	.10168	.87388	16.652
#2	.19103	.50100	.00954	.10159	.87447	16.954
#3	.19210	.50004	.01084	.10145	.87741	16.943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75086.**	**56006.**
Stddev	358.	309.
%RSD	.47617	.55215
#1	75186.	56121.
#2	75382.	56241.
#3	74689.	55656.

Approved: February 21, 2011

Sample Name: L1102036301PS Acquired: 2/18/2011 14:29:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356973-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21590**	**57.889**	**.26467**	**1.0975**	**1.0139**	**.02852**	**366.78**
Stddev	.00105	.486	.00179	.0027	.0022	.00007	1.10
%RSD	.48857	.83912	.67547	.24345	.21250	.24442	.29964
#1	.21471	57.372	.26261	1.0967	1.0118	.02845	365.61
#2	.21673	57.959	.26568	1.0953	1.0139	.02854	366.94
#3	.21625	58.336	.26573	1.1005	1.0161	.02858	367.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03390**	**.12889**	**.33237**	**.67134**	**69.680**	**38.586**	**.62305**
Stddev	.00011	.00010	.00092	.00171	.179	.205	.00536
%RSD	.33603	.07756	.27737	.25436	.25664	.53035	.86067
#1	.03398	.12884	.33134	.66956	69.504	38.411	.61757
#2	.03377	.12884	.33265	.67150	69.673	38.535	.62829
#3	.03395	.12901	.33312	.67296	69.862	38.811	.62329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**36.513**	**4.8864**	**.55682**	**28.660**	**.32295**	F **8199.2**	**.77026**
Stddev	.095	.0110	.00113	.087	.00140	11.3	.00492
%RSD	.26067	.22406	.20359	.30259	.43304	.13805	.63899
#1	36.403	4.8764	.55578	28.561	.32197	8186.2	.76827
#2	36.562	4.8848	.55665	28.720	.32231	8206.2	.76665
#3	36.573	4.8981	.55803	28.701	.32455	8205.3	.77587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036301PS Acquired: 2/18/2011 14:29:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356973-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.623**	F **413.97**	F **-1791.1**	**.65509**	**.22459**	F **382.24**	**.02472**
Stddev	6.929	.57	5.4	.00090	.00203	.48	.00014
%RSD	15.527	.13655	.30304	.13678	.90241	.12636	.58539
#1	-43.074	413.32	-1785.6	.65514	.22228	381.78	.02486
#2	-38.600	414.29	-1791.1	.65417	.22608	382.19	.02457
#3	-52.195	414.31	-1796.4	.65596	.22541	382.74	.02474
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73166**	**1.0490**	**.26987**	**.61755**	**1.4228**	**18.498**
Stddev	.00203	.0029	.00033	.00149	.0012	.258
%RSD	.27682	.27668	.12299	.24075	.08324	1.3941
#1	.72933	1.0458	.26967	.61641	1.4214	18.233
#2	.73266	1.0514	.26969	.61700	1.4235	18.747
#3	.73300	1.0499	.27025	.61923	1.4235	18.515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72727.**	**53899.**
Stddev	47.	297.
%RSD	.06488	.55158
#1	72739.	54166.
#2	72674.	53951.
#3	72766.	53579.

Approved: February 21, 2011

Sample Name: L1102036301SDL Acquired: 2/18/2011 14:33:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356973-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**11.972**	**.01000**	**.01353**	**.09532**	**.00051**	**72.807**
Stddev	.00118	.060	.00139	.00059	.00027	.00003	.186
%RSD	55.107	.50436	13.905	4.3923	.28054	5.1578	.25527
#1	.00101	12.027	.00963	.01392	.09528	.00048	72.603
#2	.00337	11.982	.01153	.01285	.09561	.00052	72.851
#3	.00204	11.907	.00883	.01383	.09508	.00053	72.967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00480**	**.01781**	**.08477**	**13.688**	**2.2535**	**.01455**
Stddev	.00008	.00005	.00062	.00021	.026	.0411	.00194
%RSD	6.5212	1.1368	3.4737	.24769	.18829	1.8250	13.309
#1	.00126	.00474	.01852	.08479	13.659	2.2846	.01447
#2	.00133	.00485	.01751	.08498	13.707	2.2069	.01265
#3	.00117	.00480	.01740	.08456	13.698	2.2690	.01652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.5279**	**.94775**	**.00062**	**.11388**	**.01248**	F **1641.2**	**.10942**
Stddev	.0282	.00021	.00011	.01240	.00048	5.1	.00365
%RSD	.43123	.02246	17.301	10.887	3.8705	.31093	3.3349
#1	6.4972	.94751	.00050	.12356	.01257	1639.7	.11293
#2	6.5341	.94789	.00070	.09991	.01196	1646.9	.10967
#3	6.5524	.94786	.00066	.11817	.01292	1637.1	.10565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036301SDL Acquired: 2/18/2011 14:33:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356973-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-33.547**	F **87.109**	F **-343.96**	**-.00111**	**.00210**	**11.518**	**.00413**
Stddev	8.025	.261	1.62	.00255	.00121	.175	.00042
%RSD	23.921	.29986	.47122	229.29	57.681	1.5188	10.117
#1	-25.282	87.076	-345.24	-.00189	.00336	11.565	.00419
#2	-34.051	86.865	-344.51	.00174	.00095	11.324	.00451
#3	-41.308	87.385	-342.14	-.00317	.00200	11.664	.00369
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03935**	**.10279**	**.00518**	**.02166**	**.18847**	**3.1416**
Stddev	.00008	.00092	.00172	.00027	.00059	.1124
%RSD	.19415	.89462	33.215	1.2445	.31507	3.5784
#1	.03943	.10347	.00553	.02187	.18813	3.1986
#2	.03928	.10314	.00331	.02136	.18814	3.0121
#3	.03936	.10174	.00670	.02177	.18916	3.2141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76018.**	**54391.**
Stddev	498.	434.
%RSD	.65485	.79810
#1	76220.	53937.
#2	76383.	54433.
#3	75451.	54802.

Approved: February 21, 2011

Sample Name: L1102036301SDL Acquired: 2/18/2011 14:36:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356973-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**2.4042**	**.00373**	**.00109**	**.01874**	**.00010**	**14.468**
Stddev	.00070	.0031	.00154	.00020	.00022	.00002	.043
%RSD	56.435	.13022	41.370	18.239	1.1841	17.967	.29634
#1	.00102	2.4037	.00507	.00093	.01888	.00012	14.421
#2	.00202	2.4013	.00409	.00103	.01886	.00009	14.506
#3	.00067	2.4075	.00204	.00131	.01848	.00008	14.476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00104**	**.00326**	**.01638**	**2.6806**	**.34910**	**.00015**
Stddev	.00013	.00003	.00011	.00040	.0079	.02078	.00104
%RSD	162.70	3.0191	3.5110	2.4527	.29386	5.9520	697.67
#1	.00002	.00106	.00329	.01622	2.6837	.36911	-.00037
#2	.00023	.00105	.00335	.01684	2.6865	.32763	.00134
#3	-.00001	.00100	.00313	.01608	2.6717	.35056	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3102**	**.19021**	**-.00004**	**.03222**	**.00268**	**305.65**	**.02392**
Stddev	.0211	.00136	.00009	.01617	.00065	9.98	.00206
%RSD	1.6130	.71303	226.77	50.167	24.228	3.2668	8.6240
#1	1.2896	.18909	.00002	.04077	.00343	315.44	.02189
#2	1.3318	.18982	-.00015	.04232	.00230	295.48	.02386
#3	1.3092	.19172	.00001	.01358	.00230	306.03	.02601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102036301SDL Acquired: 2/18/2011 14:36:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356973-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.762**	F **17.166**	F **-56.623**	**-.00406**	**-.00174**	**1.6703**	**.00067**
Stddev	1.737	.015	.433	.00055	.00256	.0800	.00009
%RSD	3.8817	.08893	.76393	13.441	147.63	4.7886	13.809
#1	-43.000	17.168	-57.023	-.00463	-.00038	1.6864	.00077
#2	-44.811	17.150	-56.681	-.00354	-.00470	1.7410	.00060
#3	-46.474	17.180	-56.164	-.00403	-.00014	1.5835	.00063
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00749**	**.01951**	**.00152**	**.00448**	**.03807**	**.71711**
Stddev	.00021	.00104	.00130	.00066	.00016	.13283
%RSD	2.8239	5.3556	85.658	14.622	.42270	18.523
#1	.00730	.01975	.00284	.00480	.03793	.81498
#2	.00772	.01837	.00147	.00491	.03803	.56590
#3	.00744	.02041	.00024	.00373	.03825	.77044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75730.**	**55018.**
Stddev	529.	176.
%RSD	.69842	.32014
#1	75922.	55133.
#2	76137.	54815.
#3	75132.	55106.

Approved: February 21, 2011

Sample Name: L1102036302 Acquired: 2/18/2011 14:40:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01409**	**50.182**	**.05184**	**.05172**	**.46402**	**.00291**	**369.81**
Stddev	.00108	.394	.00234	.00188	.00368	.00002	2.84
%RSD	7.6502	.78550	4.5126	3.6347	.79391	.70261	.76736
#1	.01529	49.744	.05013	.05176	.46011	.00289	366.67
#2	.01377	50.293	.05090	.05358	.46452	.00293	370.54
#3	.01321	50.508	.05451	.04982	.46743	.00289	372.21
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.02384**	**.08364**	**.38677**	**68.834**	**11.753**	**.07267**
Stddev	.00028	.00031	.00078	.00223	.528	.111	.00071
%RSD	2.4734	1.2921	.92930	.57711	.76754	.94348	.97747
#1	.01109	.02349	.08275	.38499	68.246	11.625	.07336
#2	.01152	.02404	.08419	.38604	68.987	11.824	.07194
#3	.01162	.02400	.08398	.38927	69.268	11.811	.07272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.079**	**4.4108**	**.00305**	**3.0914**	**.06686**	F **11101.**	**.49841**
Stddev	.281	.0298	.00012	.0469	.00088	110.	.00318
%RSD	.79971	.67593	3.8849	1.5154	1.3089	.98876	.63785
#1	34.775	4.3770	.00293	3.0374	.06652	10990.	.49478
#2	35.136	4.4224	.00316	3.1204	.06621	11104.	.50071
#3	35.328	4.4331	.00306	3.1166	.06786	11210.	.49974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036302 Acquired: 2/18/2011 14:40:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.639**	F **505.06**	F **-4425.1**	**.00310**	**.00815**	**73.097**	**.02601**
Stddev	9.505	3.82	41.2	.00127	.00251	.899	.00018
%RSD	20.826	.75549	.93054	40.902	30.838	1.2303	.69595
#1	-54.702	501.78	-4379.9	.00424	.00690	72.203	.02594
#2	-46.468	504.16	-4435.1	.00174	.01105	73.086	.02621
#3	-35.747	509.25	-4460.4	.00332	.00651	74.001	.02587
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19540**	**.32625**	**.00769**	**.10642**	**.93671**	**18.141**
Stddev	.00199	.00241	.00137	.00089	.00733	.322
%RSD	1.0190	.73788	17.808	.83358	.78231	1.7740
#1	.19316	.32366	.00680	.10545	.92955	17.769
#2	.19610	.32668	.00701	.10662	.93639	18.329
#3	.19695	.32841	.00927	.10719	.94419	18.324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73501.**	**53119.**
Stddev	1053.	46.
%RSD	1.4325	.08568
#1	72347.	53159.
#2	73748.	53070.
#3	74409.	53130.

Approved: February 21, 2011

Sample Name: L1102036303 Acquired: 2/18/2011 14:44:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**57.539**	**.04978**	**.05275**	**.46230**	**.00364**	**407.91**
Stddev	.00066	.433	.00086	.00023	.00342	.00003	3.42
%RSD	15.488	.75278	1.7275	.44341	.73917	.79970	.83822
#1	.00355	57.306	.05073	.05301	.45855	.00367	404.59
#2	.00485	57.271	.04905	.05267	.46312	.00361	407.73
#3	.00432	58.038	.04957	.05256	.46523	.00365	411.42
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	**.02624**	**.09071**	**.38261**	**72.504**	**11.575**	**.08256**
Stddev	.00021	.00025	.00049	.00232	.547	.103	.00151
%RSD	3.4563	.96669	.54330	.60649	.75441	.88823	1.8344
#1	.00582	.02606	.09054	.38054	71.905	11.462	.08089
#2	.00622	.02613	.09032	.38216	72.630	11.600	.08383
#3	.00612	.02653	.09126	.38512	72.977	11.664	.08298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**37.434**	**4.8532**	**.00186**	**1.5015**	**.07355**	F **8934.8**	**.41734**
Stddev	.312	.0396	.00008	.0160	.00034	53.1	.00200
%RSD	.83355	.81678	4.0500	1.0663	.46413	.59445	.47839
#1	37.108	4.8114	.00187	1.4951	.07387	8882.3	.41657
#2	37.464	4.8578	.00177	1.5198	.07319	8933.6	.41585
#3	37.730	4.8903	.00192	1.4897	.07357	8988.5	.41961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036303 Acquired: 2/18/2011 14:44:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.909**	F **478.00**	F **-2122.1**	**.00553**	**.00761**	**73.476**	**.00732**
Stddev	11.446	2.53	20.9	.00112	.00131	.271	.00028
%RSD	19.430	.52994	.98466	20.341	17.255	.36943	3.8886
#1	-45.919	475.29	-2099.8	.00587	.00912	73.208	.00707
#2	-63.292	478.40	-2125.3	.00427	.00694	73.469	.00763
#3	-67.515	480.30	-2141.2	.00644	.00677	73.750	.00725
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18942**	**.28489**	**.00877**	**.11200**	**.78757**	**17.076**
Stddev	.00133	.00132	.00098	.00016	.00400	.347
%RSD	.70272	.46502	11.140	.14437	.50750	2.0344
#1	.18807	.28390	.00904	.11198	.78332	16.741
#2	.18946	.28437	.00959	.11184	.78814	17.053
#3	.19073	.28639	.00769	.11217	.79125	17.435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73618.**	**55352.**
Stddev	251.	315.
%RSD	.34121	.56925
#1	73433.	55204.
#2	73518.	55714.
#3	73904.	55138.

Approved: February 21, 2011

Sample Name: L1102036304 Acquired: 2/18/2011 14:47:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00488**	**53.384**	**.05704**	**.05993**	**.54598**	**.00278**	**308.47**
Stddev	.00102	.462	.00084	.00286	.00982	.00005	4.87
%RSD	20.821	.86593	1.4716	4.7716	1.7995	1.8284	1.5801
#1	.00458	52.939	.05719	.05665	.53599	.00272	303.57
#2	.00601	53.350	.05614	.06192	.54630	.00280	308.53
#3	.00405	53.862	.05780	.06122	.55564	.00282	313.32
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00709**	**.02596**	**.08293**	**.49531**	**73.081**	**12.432**	**.07065**
Stddev	.00022	.00069	.00150	.01213	1.292	.214	.00176
%RSD	3.0313	2.6557	1.8143	2.4492	1.7678	1.7224	2.4975
#1	.00690	.02520	.08133	.48324	71.796	12.200	.06880
#2	.00705	.02616	.08314	.49520	73.067	12.474	.07085
#3	.00733	.02654	.08432	.50750	74.380	12.622	.07231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**34.050**	**5.0232**	**.00305**	**1.3099**	**.06743**	F **8874.7**	**.63960**
Stddev	.450	.0760	.00034	.0317	.00238	194.0	.01314
%RSD	1.3206	1.5125	11.311	2.4226	3.5314	2.1865	2.0548
#1	33.598	4.9456	.00268	1.2739	.06538	8681.7	.62963
#2	34.055	5.0263	.00310	1.3220	.06687	8872.8	.63467
#3	34.498	5.0975	.00337	1.3338	.07004	9069.7	.65449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036304 Acquired: 2/18/2011 14:47:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-74.493**	F **423.77**	F **-3022.2**	**.00461**	**.00729**	**74.299**	**.01204**
Stddev	10.352	9.55	67.6	.00091	.00407	1.487	.00040
%RSD	13.896	2.2540	2.2379	19.759	55.891	2.0012	3.3232
#1	-86.251	414.08	-2956.0	.00510	.01197	72.711	.01186
#2	-70.480	424.05	-3019.5	.00518	.00453	74.529	.01176
#3	-66.749	433.17	-3091.2	.00356	.00537	75.658	.01249
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21629**	**.41429**	**.00982**	**.10943**	**1.0609**	**19.220**
Stddev	.00350	.00347	.00128	.00184	.0241	.378
%RSD	1.6190	.83637	13.042	1.6781	2.2732	1.9664
#1	.21281	.41096	.00835	.10734	1.0365	18.998
#2	.21623	.41405	.01071	.11020	1.0616	19.656
#3	.21982	.41787	.01039	.11076	1.0847	19.005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73043.**	**56057.**
Stddev	224.	175.
%RSD	.30624	.31188
#1	73301.	56241.
#2	72909.	56034.
#3	72918.	55894.

Approved: February 21, 2011

Sample Name: L1102036305 Acquired: 2/18/2011 14:51:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01715**	**49.307**	**.05167**	**.05473**	**.52704**	**.00298**	**298.44**
Stddev	.00084	.337	.00171	.00130	.00270	.00001	2.56
%RSD	4.9144	.68262	3.3045	2.3723	.51246	.43284	.85636
#1	.01677	48.920	.05270	.05328	.52406	.00298	295.72
#2	.01811	49.530	.04969	.05579	.52772	.00296	298.81
#3	.01656	49.472	.05260	.05512	.52933	.00298	300.79
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00627**	**.02294**	**.07820**	**.45125**	**66.586**	**10.454**	**.06544**
Stddev	.00008	.00014	.00028	.00324	.412	.172	.00069
%RSD	1.3325	.59581	.35746	.71784	.61935	1.6457	1.0475
#1	.00626	.02279	.07838	.44785	66.133	10.257	.06500
#2	.00619	.02306	.07788	.45161	66.685	10.575	.06623
#3	.00635	.02296	.07835	.45430	66.940	10.530	.06509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.587**	**5.2022**	**.00301**	**1.2622**	**.05851**	F **7928.5**	**.58682**
Stddev	.275	.0445	.00035	.0266	.00124	66.1	.00722
%RSD	.87191	.85522	11.502	2.1075	2.1278	.83392	1.2301
#1	31.294	5.1536	.00271	1.2786	.05708	7855.9	.58080
#2	31.625	5.2118	.00294	1.2315	.05913	7944.3	.58484
#3	31.841	5.2410	.00339	1.2765	.05932	7985.2	.59482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036305 Acquired: 2/18/2011 14:51:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.711**	F **378.42**	F **-2680.0**	**.00278**	**.00714**	**62.351**	**.01510**
Stddev	9.555	3.30	18.6	.00299	.00269	.352	.00044
%RSD	17.151	.87150	.69349	107.64	37.634	.56515	2.9268
#1	-65.272	375.05	-2660.3	-.00064	.00740	62.439	.01459
#2	-55.700	378.58	-2682.6	.00405	.00433	61.964	.01541
#3	-46.162	381.64	-2697.2	.00492	.00968	62.652	.01528
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20007**	**.30935**	**.01018**	**.10131**	**.95279**	**15.279**
Stddev	.00187	.00469	.00083	.00037	.00889	.220
%RSD	.93447	1.5173	8.1332	.36150	.93292	1.4380
#1	.19812	.30412	.01041	.10117	.94376	15.475
#2	.20025	.31071	.01087	.10173	.95308	15.042
#3	.20184	.31321	.00926	.10105	.96153	15.321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75006.**	**53597.**
Stddev	100.	267.
%RSD	.13306	.49895
#1	75028.	53673.
#2	75093.	53300.
#3	74897.	53818.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 14:54:36 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40325**	**10.012**	**.40701**	**.50511**	**1.0186**	**.04978**	**10.130**
Stddev	.00174	.044	.00083	.00451	.0015	.00045	.003
%RSD	.43159	.44140	.20341	.89194	.15062	.90251	.02766
#1	.40199	9.9725	.40607	.50269	1.0169	.04932	10.128
#2	.40524	10.060	.40759	.51031	1.0197	.05021	10.133
#3	.40252	10.005	.40739	.50233	1.0193	.04980	10.128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05125**	**.20548**	**.49896**	**.50983**	**4.0865**	**51.020**	**1.0249**
Stddev	.00020	.00019	.00305	.00028	.0086	.146	.0050
%RSD	.38492	.09064	.61157	.05515	.21088	.28707	.48534
#1	.05140	.20560	.49576	.51012	4.0768	50.851	1.0198
#2	.05103	.20527	.50183	.50981	4.0892	51.108	1.0297
#3	.05133	.20558	.49928	.50956	4.0934	51.102	1.0254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.106**	**.50950**	**1.0244**	**51.357**	**.51246**	F **11.289**	**.51328**
Stddev	.011	.00073	.0004	.120	.00070	5.863	.00063
%RSD	.11150	.14268	.03652	.23435	.13587	51.931	.12268
#1	10.118	.50870	1.0242	51.221	.51206	12.056	.51366
#2	10.105	.50967	1.0241	51.451	.51327	5.0810	.51361
#3	10.096	.51013	1.0248	51.399	.51206	16.731	.51255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 14:54:36 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-9.1089**	**10.233**	F **12.611**	**1.2368**	**.40848**	F **4.2685**	**1.0236**
Stddev	15.838	.040	.961	.0022	.00486	.0867	.0028
%RSD	173.88	.39557	7.6173	.17955	1.1908	2.0322	.27346
#1	-27.284	10.188	11.504	1.2385	.41385	4.2006	1.0226
#2	-1.7814	10.266	13.230	1.2343	.40723	4.2388	1.0214
#3	1.7388	10.247	13.098	1.2376	.40437	4.3662	1.0268
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0199**	**1.0121**	**.51560**	**1.0069**	**1.0087**	F **1.6545**
Stddev	.0016	.0020	.00125	.0062	.0007	.0757
%RSD	.15278	.19468	.24253	.61511	.06934	4.5746
#1	1.0188	1.0098	.51687	1.0026	1.0081	1.6242
#2	1.0192	1.0134	.51557	1.0140	1.0084	1.5986
#3	1.0217	1.0131	.51437	1.0042	1.0094	1.7406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72615.**	**51847.**
Stddev	114.	363.
%RSD	.15767	.69938
#1	72532.	51904.
#2	72567.	51460.
#3	72746.	52178.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 14:58:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00352**	**.00025**	**.00000**	**.00033**	**.00000**	**-.02540**
Stddev	.00054	.00357	.00182	.0013	.00018	.0000	.00765
%RSD	58.956	101.29	727.33	32090.	53.333	898.44	30.100
#1	.00045	.00003	-.00173	.00133	.00019	.00002	-.02218
#2	.00079	.00717	.00185	-.00117	.00029	.00001	-.03413
#3	.00152	.00337	.00063	-.00017	.00053	-.00003	-.01990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00005**	**.00029**	**-.00028**	**.00011**	**-.03218**	**-.00181**
Stddev	.00014	.00014	.00029	.00036	.00174	.05752	.00167
%RSD	140.63	284.87	100.29	128.66	1556.9	178.74	91.851
#1	-.00026	.00014	.00055	-.00008	-.00179	.02991	.00007
#2	.00002	.00012	-.00002	-.00006	.00163	-.08364	-.00241
#3	-.00006	-.00011	.00033	-.00069	.00050	-.04281	-.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00434**	**-.00008**	**.00053**	**-.00836**	**-.00051**	F **-8.5960**	**.00205**
Stddev	.01389	.00031	.00010	.00522	.00076	7.4797	.00187
%RSD	320.28	381.29	17.986	62.390	150.33	87.013	91.498
#1	.00341	.00004	.00058	-.00883	-.00129	-6.6855	.00116
#2	-.02037	.00015	.00058	-.00292	.00024	-16.846	.00078
#3	.00395	-.00043	.00042	-.01332	-.00047	-2.2569	.00420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 14:58:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.4223**	**-.16005**	F **6.9081**	**-.00135**	**.00112**	**-.08031**	**.00071**
Stddev	20.501	.02302	3.3314	.00124	.00064	.22945	.00056
%RSD	1441.4	14.385	48.225	92.081	57.267	285.70	78.465
#1	-22.198	-.13428	4.3231	-.00228	.00186	.07810	.00052
#2	11.866	-.17859	5.7335	.00006	.00068	-.34344	.00027
#3	14.598	-.16729	10.668	-.00183	.00083	.02440	.00134
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00033**	**.00131**	**-.00013**	**.00006**	F **.25596**
Stddev	.00012	.00112	.00053	.00037	.00006	.10062
%RSD	98.072	343.79	40.810	287.39	112.26	39.309
#1	-.00010	.00162	.00190	-.00029	.00003	.14248
#2	-.00024	-.00024	.00085	.00029	.00013	.29115
#3	-.00001	-.00040	.00119	-.00039	.00001	.33426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74188.**	**52141.**
Stddev	174.	502.
%RSD	.23514	.96224
#1	74218.	52649.
#2	74000.	52130.
#3	74345.	51646.

Approved: February 21, 2011

Sample Name: L1102036306 Acquired: 2/18/2011 15:01:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00582**	**51.129**	**.04784**	**.06641**	**.87819**	**.00302**	**296.27**
Stddev	.00079	.521	.00154	.00094	.00555	.00001	1.12
%RSD	13.512	1.0182	3.2200	1.4101	.63183	.47565	.37678
#1	.00510	50.610	.04633	.06534	.87443	.00301	295.32
#2	.00666	51.125	.04941	.06682	.87557	.00302	296.00
#3	.00571	51.651	.04780	.06708	.88456	.00304	297.50
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.02772**	**.10108**	**1.4136**	**78.309**	**13.094**	**.06706**
Stddev	.00004	.00017	.00038	.0112	.370	.104	.00143
%RSD	.41566	.61512	.37847	.79251	.47224	.79422	2.1331
#1	.01042	.02753	.10079	1.4035	77.979	12.978	.06800
#2	.01044	.02775	.10095	1.4117	78.238	13.129	.06541
#3	.01050	.02787	.10152	1.4257	78.709	13.177	.06776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.165**	**5.8589**	**.00535**	**.99529**	**.07517**	F **21957.**	**1.3963**
Stddev	.128	.0178	.00008	.02619	.00081	271.	.0179
%RSD	.38733	.30413	1.4560	2.6313	1.0796	1.2328	1.2819
#1	33.046	5.8436	.00533	.98060	.07427	21710.	1.3777
#2	33.149	5.8545	.00529	.97974	.07538	21914.	1.3978
#3	33.301	5.8785	.00544	1.0255	.07586	22247.	1.4134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036306 Acquired: 2/18/2011 15:01:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.057**	F **394.91**	F **-3110.4**	**.02801**	**.00823**	**64.756**	**.05928**
Stddev	17.989	3.56	17.2	.00222	.00413	.712	.00065
%RSD	39.059	.90240	.55380	7.9264	50.135	1.0995	1.0919
#1	-41.522	391.58	-3098.7	.02549	.00759	64.001	.05895
#2	-65.879	394.49	-3102.3	.02887	.00446	64.853	.05887
#3	-30.769	398.67	-3130.2	.02967	.01264	65.415	.06003
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25862**	**.29368**	**.00971**	**.09586**	**2.1850**	**12.260**
Stddev	.00106	.00037	.00172	.00039	.0201	.015
%RSD	.40945	.12660	17.756	.40568	.92118	.11931
#1	.25741	.29346	.00886	.09541	2.1656	12.266
#2	.25938	.29411	.01169	.09606	2.1836	12.243
#3	.25907	.29347	.00858	.09611	2.2058	12.270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73292.**	**54424.**
Stddev	89.	316.
%RSD	.12125	.57984
#1	73380.	54294.
#2	73202.	54784.
#3	73294.	54194.

Approved: February 21, 2011

Sample Name: L1102036307 Acquired: 2/18/2011 15:05:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**50.749**	**.05216**	**.05030**	**.59926**	**.00351**	**332.41**
Stddev	.00161	.542	.00121	.00082	.00388	.00003	2.10
%RSD	59.789	1.0674	2.3282	1.6244	.64741	.89375	.63149
#1	.00345	50.429	.05357	.04983	.59536	.00350	330.21
#2	.00084	51.375	.05142	.05124	.59930	.00354	332.62
#3	.00377	50.444	.05151	.04982	.60312	.00348	334.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00673**	**.02621**	**.08994**	**.63923**	**69.243**	**10.225**	**.06946**
Stddev	.00016	.00035	.00151	.00987	.582	.052	.00292
%RSD	2.3596	1.3259	1.6816	1.5439	.84022	.50810	4.2066
#1	.00655	.02588	.08989	.62975	68.637	10.233	.06968
#2	.00685	.02619	.09148	.63851	69.297	10.169	.06644
#3	.00680	.02657	.08846	.64945	69.797	10.272	.07227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.066**	**5.2962**	**.00340**	**.79237**	**.06762**	F **10640.**	**.68641**
Stddev	.206	.0344	.00031	.01319	.00140	172.	.01271
%RSD	.62296	.65001	9.0221	1.6645	2.0646	1.6177	1.8511
#1	32.831	5.2636	.00314	.79798	.06627	10473.	.67445
#2	33.153	5.2929	.00374	.80183	.06751	10632.	.68504
#3	33.214	5.3322	.00333	.77731	.06906	10817.	.69975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036307 Acquired: 2/18/2011 15:05:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.052**	F **414.75**	F **-2259.8**	**.01039**	**.00568**	**61.513**	**.02380**
Stddev	29.034	6.85	32.8	.00148	.00271	.867	.00041
%RSD	61.705	1.6520	1.4498	14.297	47.686	1.4093	1.7288
#1	-36.951	408.29	-2228.2	.00875	.00878	60.692	.02343
#2	-79.787	414.03	-2257.5	.01165	.00375	61.427	.02374
#3	-24.419	421.94	-2293.6	.01076	.00451	62.419	.02425
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19222**	**.20152**	**.00866**	**.10164**	**1.2224**	**13.843**
Stddev	.00174	.00244	.00062	.00159	.0193	.338
%RSD	.90638	1.2110	7.1882	1.5667	1.5792	2.4411
#1	.19033	.19975	.00798	.10118	1.2041	13.837
#2	.19256	.20430	.00919	.10341	1.2205	14.183
#3	.19376	.20050	.00882	.10032	1.2426	13.507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72751.**	**53177.**
Stddev	9.	449.
%RSD	.01287	.84402
#1	72760.	53135.
#2	72752.	52751.
#3	72741.	53645.

Approved: February 21, 2011

Sample Name: L1102036308 Acquired: 2/18/2011 15:08:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00688**	**50.160**	**.04677**	**.05859**	**.52164**	**.00250**	**307.02**
Stddev	.00041	.338	.00120	.00152	.00326	.00003	1.72
%RSD	5.9975	.67447	2.5642	2.5895	.62512	1.1766	.55997
#1	.00678	49.859	.04703	.05688	.51896	.00248	305.09
#2	.00652	50.526	.04546	.05910	.52069	.00249	307.59
#3	.00733	50.095	.04782	.05979	.52527	.00253	308.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00637**	**.02303**	**.08188**	**.44034**	**66.842**	**10.037**	**.06513**
Stddev	.00024	.00037	.00021	.00787	.387	.021	.00320
%RSD	3.7125	1.6201	.25226	1.7878	.57961	.20532	4.9207
#1	.00616	.02268	.08209	.43262	66.528	10.034	.06834
#2	.00632	.02298	.08187	.44004	66.724	10.018	.06193
#3	.00662	.02342	.08167	.44836	67.275	10.059	.06511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.464**	**4.5528**	**.00306**	**.80517**	**.05974**	F **10881.**	**.56687**
Stddev	.166	.0303	.00005	.00934	.00131	168.	.00977
%RSD	.56313	.66632	1.6357	1.1598	2.1898	1.5410	1.7230
#1	29.279	4.5188	.00301	.80411	.05824	10726.	.55814
#2	29.516	4.5625	.00311	.79641	.06061	10857.	.56506
#3	29.598	4.5771	.00307	.81499	.06038	11059.	.57742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036308 Acquired: 2/18/2011 15:08:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-37.312**	F **399.33**	F **-2815.4**	**.00415**	**.00538**	**68.370**	**.01881**
Stddev	5.795	5.92	37.5	.00271	.00355	1.202	.00030
%RSD	15.531	1.4823	1.3337	65.309	65.851	1.7587	1.5706
#1	-33.240	393.40	-2776.4	.00372	.00160	67.259	.01881
#2	-34.749	399.36	-2818.6	.00168	.00863	68.204	.01852
#3	-43.947	405.24	-2851.3	.00706	.00591	69.647	.01911
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20882**	**.39888**	**.00978**	**.10116**	**1.1732**	**17.865**
Stddev	.00169	.00516	.00072	.00074	.0187	.302
%RSD	.80947	1.2941	7.3297	.72828	1.5934	1.6896
#1	.20690	.39462	.01018	.10101	1.1553	17.748
#2	.20947	.39741	.00895	.10196	1.1718	18.207
#3	.21009	.40462	.01021	.10052	1.1926	17.639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76392.**	**53913.**
Stddev	343.	683.
%RSD	.44886	1.2661
#1	76786.	53727.
#2	76230.	53343.
#3	76160.	54670.

Approved: February 21, 2011

Sample Name: L1102036309 Acquired: 2/18/2011 15:12:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00501**	**46.195**	**.04757**	**.05358**	**.50051**	**.00226**	**275.82**
Stddev	.00033	.636	.00192	.00109	.00459	.00002	2.11
%RSD	6.5033	1.3768	4.0335	2.0426	.91626	.94753	.76405
#1	.00489	46.072	.04840	.05385	.49571	.00224	273.73
#2	.00538	45.629	.04894	.05452	.50095	.00225	275.79
#3	.00477	46.884	.04538	.05238	.50485	.00228	277.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00597**	**.02201**	**.07248**	**.40996**	**63.448**	**10.630**	**.06311**
Stddev	.00008	.00018	.00071	.00667	.710	.117	.00083
%RSD	1.3021	.81742	.98456	1.6261	1.1198	1.1005	1.3156
#1	.00590	.02189	.07267	.40390	62.695	10.508	.06370
#2	.00595	.02192	.07169	.40887	63.541	10.642	.06348
#3	.00605	.02222	.07308	.41710	64.107	10.741	.06216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.339**	**4.5813**	**.00249**	**1.1023**	**.05713**	F **7388.5**	**.56241**
Stddev	.276	.0380	.00024	.0261	.00118	85.5	.00752
%RSD	.94156	.83038	9.8070	2.3709	2.0573	1.1568	1.3364
#1	29.053	4.5434	.00244	1.0729	.05584	7301.6	.55444
#2	29.359	4.5810	.00276	1.1230	.05814	7391.6	.56342
#3	29.604	4.6194	.00228	1.1109	.05741	7472.4	.56937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036309 Acquired: 2/18/2011 15:12:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.229**	F **365.91**	F **-2641.0**	**.00093**	**.00893**	**47.004**	**.00970**
Stddev	9.357	6.05	55.2	.00194	.00304	.807	.00021
%RSD	15.797	1.6538	2.0898	208.50	34.029	1.7160	2.1646
#1	-68.714	360.14	-2592.7	.00286	.00544	46.343	.00946
#2	-50.006	365.39	-2629.1	-.00102	.01102	46.767	.00986
#3	-58.967	372.21	-2701.2	.00095	.01033	47.903	.00978
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19220**	**.38928**	**.00872**	**.09318**	**.89189**	**16.286**
Stddev	.00142	.00371	.00142	.00086	.01332	.149
%RSD	.73649	.95323	16.281	.92662	1.4934	.91699
#1	.19109	.38566	.00761	.09309	.87862	16.338
#2	.19172	.38912	.00823	.09237	.89181	16.118
#3	.19380	.39307	.01032	.09409	.90526	16.403
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77518.**	**57718.**
Stddev	133.	146.
%RSD	.17188	.25217
#1	77500.	57747.
#2	77395.	57847.
#3	77660.	57560.

Approved: February 21, 2011

Sample Name: L1102036310 Acquired: 2/18/2011 15:15:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**60.002**	**.05129**	**.04946**	**.52537**	**.00374**	**341.55**
Stddev	.00059	.894	.00186	.00069	.00382	.00008	2.12
%RSD	15.926	1.4894	3.6193	1.3874	.72782	2.1549	.62047
#1	.00308	59.071	.05231	.04881	.52112	.00368	339.19
#2	.00378	60.081	.04915	.04939	.52646	.00371	342.17
#3	.00425	60.853	.05242	.05018	.52852	.00383	343.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00618**	**.02620**	**.10679**	**.30331**	**71.529**	**11.617**	**.08126**
Stddev	.00015	.00048	.00150	.00147	.539	.075	.00102
%RSD	2.3867	1.8419	1.4087	.48606	.75351	.64267	1.2499
#1	.00631	.02597	.10540	.30227	70.934	11.531	.08220
#2	.00621	.02588	.10658	.30266	71.666	11.658	.08138
#3	.00602	.02676	.10839	.30500	71.986	11.662	.08018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**35.067**	**4.7955**	**.00260**	**1.1309**	**.06710**	F **8743.3**	**.59252**
Stddev	.165	.0308	.00027	.0314	.00039	54.4	.00585
%RSD	.47193	.64149	10.198	2.7762	.58852	.62241	.98784
#1	34.881	4.7616	.00272	1.0988	.06739	8697.7	.58604
#2	35.123	4.8031	.00230	1.1325	.06665	8728.8	.59410
#3	35.198	4.8217	.00279	1.1615	.06727	8803.6	.59742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036310 Acquired: 2/18/2011 15:15:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.191**	F **405.31**	F **-1959.0**	**.00896**	**.00681**	**58.254**	**.01406**
Stddev	5.995	2.38	5.1	.00123	.00401	.264	.00030
%RSD	9.9595	.58632	.26247	13.760	58.921	.45280	2.0980
#1	-60.196	402.99	-1953.1	.00779	.00782	58.016	.01375
#2	-54.194	405.20	-1961.7	.00884	.00239	58.207	.01434
#3	-66.183	407.74	-1962.2	.01025	.01021	58.537	.01410
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16617**	**.26932**	**.00920**	**.11118**	**1.0356**	**17.392**
Stddev	.00058	.00300	.00100	.00088	.0071	.256
%RSD	.34780	1.1128	10.839	.78858	.68576	1.4692
#1	.16555	.26926	.01005	.11032	1.0291	17.100
#2	.16629	.26635	.00946	.11115	1.0345	17.502
#3	.16669	.27234	.00810	.11207	1.0432	17.574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76525.**	**56298.**
Stddev	214.	108.
%RSD	.27976	.19207
#1	76644.	56385.
#2	76654.	56177.
#3	76278.	56332.

Approved: February 21, 2011

Sample Name: L1102036311 Acquired: 2/18/2011 15:19:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00584**	**55.972**	**.06222**	**.05724**	**.52224**	**.00254**	**349.09**
Stddev	.00059	.430	.00135	.00069	.00651	.00005	4.35
%RSD	10.094	.76847	2.1679	1.2003	1.2465	1.9280	1.2475
#1	.00636	55.482	.06070	.05783	.51608	.00249	344.75
#2	.00596	56.149	.06267	.05740	.52160	.00254	349.06
#3	.00520	56.286	.06328	.05649	.52905	.00259	353.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00562**	**.02463**	**.08246**	**.50382**	**71.243**	**13.076**	**.07200**
Stddev	.00005	.00050	.00049	.00980	.910	.107	.00394
%RSD	.85135	2.0160	.58841	1.9444	1.2777	.81787	5.4654
#1	.00559	.02422	.08190	.49391	70.314	12.964	.07506
#2	.00559	.02450	.08270	.50406	71.282	13.088	.06756
#3	.00568	.02518	.08278	.51350	72.133	13.177	.07338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.931**	**5.2031**	**.00257**	**.36137**	**.06306**	F **5799.5**	**.79821**
Stddev	.302	.0681	.00025	.01465	.00063	107.7	.01528
%RSD	1.0436	1.3080	9.9039	4.0545	1.0008	1.8564	1.9139
#1	28.634	5.1358	.00229	.36776	.06234	5684.3	.78224
#2	28.922	5.2015	.00279	.34461	.06348	5816.5	.79971
#3	29.238	5.2719	.00262	.37174	.06337	5897.6	.81268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036311 Acquired: 2/18/2011 15:19:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.528**	F **437.40**	F **-2274.8**	**.00385**	**.00523**	**56.126**	**.02818**
Stddev	8.928	9.17	35.7	.00137	.00143	.845	.00065
%RSD	14.511	2.0959	1.5691	35.580	27.373	1.5057	2.3075
#1	-51.257	428.19	-2238.7	.00280	.00532	55.322	.02751
#2	-67.436	437.50	-2275.5	.00335	.00375	56.050	.02823
#3	-65.891	446.52	-2310.1	.00540	.00660	57.007	.02880
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17107**	**.59086**	**.01074**	**.10840**	**.94016**	**20.044**
Stddev	.00240	.00731	.00087	.00042	.01899	.402
%RSD	1.4037	1.2364	8.1277	.38314	2.0196	2.0033
#1	.16860	.58432	.01120	.10794	.92081	19.815
#2	.17121	.58952	.01128	.10852	.94090	19.809
#3	.17340	.59874	.00973	.10874	.95876	20.507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76994.**	**57543.**
Stddev	483.	137.
%RSD	.62707	.23749
#1	77478.	57510.
#2	76993.	57426.
#3	76512.	57693.

Approved: February 21, 2011

Sample Name: L1102036312 Acquired: 2/18/2011 15:22:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00527**	**49.916**	**.04709**	**.05017**	**.50919**	**.00235**	**416.95**
Stddev	.00027	.568	.00190	.00078	.00552	.00007	3.59
%RSD	5.1666	1.1386	4.0344	1.5626	1.0832	2.8682	.86012
#1	.00531	49.321	.04622	.05072	.50390	.00227	413.47
#2	.00498	49.975	.04578	.04927	.50875	.00238	416.74
#3	.00552	50.453	.04927	.05051	.51491	.00240	420.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**.02351**	**.07945**	**.35880**	**66.592**	**12.786**	**.07301**
Stddev	.00020	.00022	.00174	.00524	.712	.125	.00192
%RSD	3.5954	.95413	2.1867	1.4603	1.0692	.97587	2.6254
#1	.00524	.02336	.07779	.35358	65.879	12.708	.07082
#2	.00553	.02341	.07932	.35876	66.595	12.720	.07439
#3	.00562	.02377	.08125	.36406	67.303	12.930	.07382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.751**	**4.9952**	**.00240**	**.29037**	**.05893**	F **6552.4**	**.54237**
Stddev	.303	.0424	.00005	.01602	.00083	121.0	.01000
%RSD	.98521	.84900	1.9402	5.5177	1.4026	1.8464	1.8434
#1	30.458	4.9552	.00241	.27447	.05811	6433.9	.53116
#2	30.733	4.9908	.00243	.29014	.05894	6547.6	.54557
#3	31.063	5.0396	.00234	.30651	.05976	6675.7	.55037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036312 Acquired: 2/18/2011 15:22:43 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.658**	F **492.84**	F **-1865.8**	**.00039**	**.00923**	**69.620**	**.01623**
Stddev	6.243	7.99	20.3	.00255	.00424	.886	.00029
%RSD	8.8362	1.6214	1.0868	661.50	45.970	1.2733	1.7742
#1	-69.708	484.49	-1843.4	-.00256	.01367	68.932	.01590
#2	-77.322	493.62	-1870.9	.00169	.00522	69.307	.01643
#3	-64.944	500.41	-1883.0	.00203	.00879	70.620	.01637
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20106**	**.47458**	**.01008**	**.10372**	**.86773**	**19.443**
Stddev	.00102	.00710	.00060	.00204	.01524	.116
%RSD	.50620	1.4967	5.9625	1.9700	1.7564	.59661
#1	.20024	.46643	.00968	.10150	.85198	19.331
#2	.20073	.47942	.01077	.10414	.86881	19.435
#3	.20220	.47790	.00979	.10553	.88240	19.563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74579.**	**57313.**
Stddev	517.	415.
%RSD	.69300	.72385
#1	75153.	57780.
#2	74432.	57175.
#3	74151.	56985.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 15:26:15 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38943**	**9.6247**	**.40307**	**.48632**	**1.0039**	**.04831**	**9.9884**
Stddev	.00274	.0748	.00239	.00420	.0043	.00037	.0398
%RSD	.70273	.77722	.59208	.86451	.42587	.77463	.39893
#1	.38996	9.5758	.40222	.48657	.99902	.04827	9.9563
#2	.39186	9.7108	.40122	.49040	1.0062	.04870	9.9758
#3	.38647	9.5875	.40576	.48200	1.0066	.04795	10.033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05026**	**.20213**	**.48294**	**.49990**	**4.0178**	**50.260**	**1.0063**
Stddev	.00026	.00016	.00378	.00139	.0289	.232	.0010
%RSD	.52369	.07887	.78260	.27754	.71960	.46090	.09720
#1	.05007	.20218	.48220	.50032	3.9856	50.000	1.0054
#2	.05056	.20225	.48704	.49835	4.0265	50.446	1.0062
#3	.05015	.20195	.47959	.50102	4.0414	50.332	1.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9021**	**.50205**	**1.0081**	**50.489**	**.50435**	F **11.997**	**.50490**
Stddev	.0441	.00215	.0001	.285	.00051	10.555	.00200
%RSD	.44513	.42843	.00789	.56469	.10144	87.983	.39615
#1	9.8518	.49959	1.0080	50.161	.50464	23.752	.50462
#2	9.9206	.50296	1.0081	50.622	.50466	8.9046	.50305
#3	9.9340	.50359	1.0082	50.683	.50376	3.3329	.50702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011
Erin D. Long

Sample Name: CCV Acquired: 2/18/2011 15:26:15 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.420**	**10.019**	F **12.614**	**1.2172**	**.40608**	F **3.8672**	**1.0060**
Stddev	2.614	.040	1.394	.0026	.00313	.1486	.0002
%RSD	5.8853	.39767	11.052	.21525	.77013	3.8421	.01737
#1	-45.251	10.038	12.621	1.2178	.40486	3.7162	1.0058
#2	-41.492	10.045	14.005	1.2195	.40375	3.8722	1.0059
#3	-46.518	9.9731	11.217	1.2144	.40964	4.0133	1.0062
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0083**	**.99593**	**.50617**	**.97339**	**.98955**	F **1.6503**
Stddev	.0022	.00349	.00192	.00702	.00082	.0460
%RSD	.22022	.35090	.37989	.72156	.08327	2.7880
#1	1.0062	.99195	.50428	.97310	.98967	1.6370
#2	1.0106	.99852	.50812	.98055	.99030	1.7015
#3	1.0081	.99731	.50612	.96651	.98867	1.6124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76039.**	**55229.**
Stddev	84.	302.
%RSD	.11013	.54719
#1	76127.	55475.
#2	76032.	54892.
#3	75960.	55319.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 15:29:47 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00473**	**.00128**	**-.00110**	**-.00018**	**.00003**	**-.01289**
Stddev	.00029	.00200	.00210	.00164	.00028	.00002	.00396
%RSD	48.331	42.391	164.08	148.83	159.72	58.504	30.737
#1	.00039	-.00358	-.00112	-.00095	-.00019	.00004	-.01133
#2	.00092	-.00704	.00280	-.00282	.00011	.00001	-.00995
#3	.00047	-.00356	.00216	.00046	-.00045	.00003	-.01740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00006**	**-.00077**	**-.00088**	**.00538**	**-.05417**	**-.00219**
Stddev	.0001	.00007	.00030	.00041	.00368	.06993	.00191
%RSD	2274.4	124.61	38.484	47.188	68.405	129.08	87.432
#1	-.00003	.00001	-.00059	-.00078	.00115	.02635	-.00311
#2	-.00008	.00002	-.00111	-.00052	.00713	-.09965	-.00346
#3	.00010	.00014	-.00061	-.00133	.00787	-.08923	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01678**	**.00027**	**.00051**	**.03464**	**.00041**	F **-3.2559**	**.00289**
Stddev	.01748	.00030	.00035	.00462	.00029	1.5313	.00028
%RSD	104.20	111.39	69.179	13.331	69.958	47.033	9.7093
#1	-.03289	.00042	.00061	.03425	.00052	-4.8111	.00294
#2	-.01926	-.00008	.00080	.03944	.00008	-1.7496	.00314
#3	.00181	.00046	.00012	.03023	.00062	-3.2069	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						1.0000	
Low Limit						-1.1000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 15:29:47 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-36.938**	**-.11769**	F **4.0819**	**-.00254**	**.00313**	**-.27487**	**.00040**
Stddev	15.765	.00689	2.1417	.00198	.00197	.08978	.00038
%RSD	42.681	5.8584	52.467	77.933	62.792	32.664	97.023
#1	-53.721	-.11383	3.4481	-.00163	.00533	-.34507	.00011
#2	-34.653	-.11359	6.4690	-.00118	.00252	-.30583	.00083
#3	-22.440	-.12565	2.3287	-.00481	.00154	-.17370	.00024
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	1.0000		1.0000				
Low Limit	-1.0000		-1.0000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00050**	**.00241**	**-.00001**	**.00005**	F **.46488**
Stddev	.00008	.00148	.00212	.00030	.00000	.08805
%RSD	60.316	297.00	87.980	2790.9	6.4560	18.939
#1	-.00010	-.00118	.00412	.00017	.00004	.56019
#2	-.00008	.00108	.00004	.00016	.00004	.44787
#3	-.00022	.00160	.00306	-.00035	.00005	.38658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75683.**	**54507.**
Stddev	506.	40.
%RSD	.66875	.07393
#1	75903.	54551.
#2	76041.	54496.
#3	75104.	54473.

Approved: February 21, 2011

Sample Name: L1102036313 Acquired: 2/18/2011 15:33:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00426**	**45.045**	**.04423**	**.04382**	**.40279**	**.00214**	**559.14**
Stddev	.00039	.310	.00086	.00119	.00317	.00003	4.67
%RSD	9.0982	.68721	1.9409	2.7174	.78738	1.5300	.83561
#1	.00393	44.713	.04330	.04281	.39977	.00210	554.35
#2	.00416	45.094	.04440	.04352	.40251	.00214	559.38
#3	.00469	45.327	.04499	.04514	.40609	.00217	563.69
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**.02078**	**.06671**	**.31865**	**58.163**	**10.811**	**.07188**
Stddev	.00001	.00038	.00024	.00454	.499	.096	.00193
%RSD	.22034	1.8411	.36360	1.4261	.85732	.88394	2.6890
#1	.00430	.02047	.06647	.31398	57.716	10.711	.07040
#2	.00431	.02066	.06695	.31892	58.072	10.821	.07117
#3	.00432	.02121	.06672	.32305	58.701	10.901	.07407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.761**	**3.9811**	**.00258**	**.21099**	**.05177**	F **5260.5**	**.41514**
Stddev	.133	.0296	.00033	.01149	.00158	89.6	.00870
%RSD	.55881	.74245	12.612	5.4448	3.0481	1.7025	2.0966
#1	23.614	3.9521	.00224	.19790	.05044	5167.4	.40573
#2	23.796	3.9800	.00262	.21566	.05137	5268.0	.41677
#3	23.873	4.0112	.00288	.21940	.05351	5346.1	.42290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036313 Acquired: 2/18/2011 15:33:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.710**	F **638.93**	F **-1817.5**	**.00315**	**.00812**	**73.896**	**.01220**
Stddev	17.901	10.02	23.3	.00089	.00348	.830	.00024
%RSD	28.546	1.5676	1.2829	28.365	42.868	1.1233	1.9420
#1	-42.166	628.56	-1793.6	.00284	.01172	73.092	.01194
#2	-71.005	639.70	-1818.8	.00415	.00787	73.846	.01240
#3	-74.959	648.54	-1840.2	.00244	.00477	74.750	.01225
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18520**	**.40943**	**.00806**	**.09857**	**.66253**	**16.889**
Stddev	.00228	.00166	.00163	.00103	.01052	.360
%RSD	1.2332	.40549	20.205	1.0405	1.5873	2.1291
#1	.18292	.40762	.00848	.09770	.65186	16.474
#2	.18517	.41088	.00944	.09831	.66284	17.100
#3	.18749	.40980	.00627	.09970	.67288	17.093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73559.**	**54623.**
Stddev	99.	39.
%RSD	.13523	.07119
#1	73446.	54604.
#2	73597.	54597.
#3	73633.	54668.

Approved: February 21, 2011

Sample Name: L1102036314 Acquired: 2/18/2011 15:37:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**52.372**	**.05723**	**.05697**	**.56905**	**.00361**	**293.06**
Stddev	.00067	.937	.00150	.00069	.01218	.00007	6.76
%RSD	18.563	1.7884	2.6237	1.2186	2.1398	1.8106	2.3060
#1	.00305	51.294	.05568	.05654	.55650	.00353	286.38
#2	.00336	52.834	.05733	.05660	.56984	.00363	292.90
#3	.00433	52.988	.05867	.05777	.58081	.00365	299.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00779**	**.02890**	**.08583**	**.66888**	**72.141**	**13.224**	**.06918**
Stddev	.00033	.00084	.00153	.02173	1.608	.269	.00489
%RSD	4.1733	2.9073	1.7782	3.2487	2.2293	2.0357	7.0701
#1	.00747	.02807	.08411	.64660	70.505	12.941	.06405
#2	.00780	.02888	.08635	.67001	72.197	13.253	.06972
#3	.00812	.02975	.08703	.69002	73.720	13.477	.07378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**31.447**	**5.9037**	**.00302**	**.21950**	**.07328**	F **11415.**	**.80122**
Stddev	.724	.1389	.00076	.00697	.00222	334.	.02615
%RSD	2.3008	2.3519	25.062	3.1773	3.0320	2.9219	3.2643
#1	30.742	5.7646	.00215	.22441	.07150	11086.	.77514
#2	31.412	5.9041	.00353	.21152	.07256	11406.	.80107
#3	32.187	6.0423	.00339	.22258	.07577	11753.	.82744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036314 Acquired: 2/18/2011 15:37:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.441**	F **423.08**	F **-3117.9**	**.00645**	**.00527**	**74.285**	**.03270**
Stddev	11.396	12.67	90.6	.00007	.00224	2.329	.00106
%RSD	20.934	2.9955	2.9069	1.1089	42.586	3.1345	3.2266
#1	-58.112	410.40	-3028.1	.00647	.00463	72.028	.03150
#2	-41.661	423.10	-3116.1	.00637	.00776	74.149	.03315
#3	-63.549	435.75	-3209.4	.00651	.00341	76.679	.03346
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17312**	**.20831**	**.01054**	**.10431**	**1.4269**	**17.410**
Stddev	.00435	.00757	.00097	.00133	.0441	.357
%RSD	2.5141	3.6335	9.1847	1.2750	3.0932	2.0525
#1	.16898	.20195	.00953	.10277	1.3823	17.020
#2	.17273	.20628	.01064	.10512	1.4279	17.722
#3	.17765	.21668	.01146	.10502	1.4706	17.488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74715.**	**55482.**
Stddev	433.	410.
%RSD	.58002	.73969
#1	75162.	55755.
#2	74685.	55011.
#3	74297.	55681.

Approved: February 21, 2011

L1102036441

Sample Name: ~~L1102036341~~ Acquired: 2/18/2011 15:40:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00248**	**57.302**	**.04010**	**.04470**	**.50947**	**.00352**	**353.30**
Stddev	.00075	.412	.00303	.00116	.00248	.00002	.78
%RSD	30.256	.71827	7.5471	2.6013	.48753	.59180	.22049
#1	.00183	57.683	.04313	.04585	.50661	.00350	352.42
#2	.00330	57.359	.04010	.04471	.51070	.00352	353.63
#3	.00230	56.866	.03707	.04353	.51110	.00354	353.87
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.02584**	**.08724**	**.18086**	**67.189**	**15.139**	**.07168**
Stddev	.00002	.00018	.00099	.00028	.294	.076	.00183
%RSD	.46634	.70258	1.1401	.15352	.43768	.50078	2.5525
#1	.00416	.02572	.08823	.18078	66.851	15.051	.06990
#2	.00413	.02605	.08624	.18116	67.390	15.188	.07158
#3	.00412	.02576	.08726	.18062	67.324	15.177	.07356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.964**	**4.1169**	**.00182**	**.50210**	**.06314**	F **7295.2**	**.26020**
Stddev	.048	.0105	.00048	.02929	.00042	17.3	.00102
%RSD	.17223	.25591	26.602	5.8338	.66319	.23685	.39297
#1	27.911	4.1048	.00218	.46931	.06362	7296.1	.25919
#2	27.978	4.1237	.00127	.51135	.06287	7277.5	.26019
#3	28.004	4.1223	.00202	.52566	.06292	7312.1	.26123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036441

Sample Name: ~~L1102036341~~ Acquired: 2/18/2011 15:40:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.415**	F **387.86**	F **-1350.0**	**.00278**	**.00684**	**69.688**	**.00521**
Stddev	12.656	.58	7.7	.00166	.00533	.373	.00019
%RSD	31.316	.14973	.57245	59.844	77.934	.53579	3.7127
#1	-33.249	387.73	-1346.5	.00462	.00529	69.779	.00542
#2	-55.029	387.36	-1358.9	.00233	.00245	69.278	.00516
#3	-32.968	388.50	-1344.7	.00139	.01278	70.008	.00504
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16608**	**.21577**	**.00938**	**.10644**	**.57152**	**17.568**
Stddev	.00099	.00021	.00225	.00103	.00064	.173
%RSD	.59477	.09523	24.012	.97035	.11158	.98450
#1	.16498	.21567	.00678	.10760	.57115	17.487
#2	.16637	.21600	.01072	.10561	.57114	17.450
#3	.16689	.21563	.01064	.10611	.57225	17.767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74959.**	**54628.**
Stddev	339.	358.
%RSD	.45217	.65518
#1	75183.	54258.
#2	75124.	54973.
#3	74569.	54653.

Approved: February 21, 2011

L1102036442

Sample Name: ~~L1102036342~~ Acquired: 2/18/2011 15:44:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**64.466**	**.03521**	**.05837**	**.56420**	**.00255**	**300.12**
Stddev	.00071	.662	.00097	.00151	.00166	.00005	.83
%RSD	15.976	1.0269	2.7573	2.5912	.29459	1.7876	.27742
#1	.00474	63.807	.03570	.06008	.56289	.00251	299.48
#2	.00361	64.459	.03583	.05721	.56365	.00254	299.82
#3	.00490	65.131	.03409	.05782	.56607	.00260	301.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**.02574**	**.07228**	**.22994**	**63.631**	**17.270**	**.07116**
Stddev	.00021	.00016	.00042	.00061	.184	.089	.00312
%RSD	5.9173	.63003	.58729	.26720	.28991	.51750	4.3907
#1	.00353	.02559	.07183	.22941	63.449	17.216	.06785
#2	.00347	.02573	.07234	.23061	63.628	17.221	.07405
#3	.00387	.02591	.07267	.22979	63.818	17.373	.07158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.692**	**3.0003**	**.00161**	**.34171**	**.05703**	F **7224.4**	**.21910**
Stddev	.143	.0111	.00005	.00253	.00048	22.7	.00128
%RSD	.57993	.36950	2.9716	.73964	.83943	.31464	.58540
#1	24.531	2.9934	.00164	.34031	.05730	7211.2	.22020
#2	24.741	2.9945	.00155	.34462	.05647	7211.3	.21769
#3	24.805	3.0131	.00163	.34018	.05731	7250.6	.21941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036442

Sample Name: ~~L1102036342~~ Acquired: 2/18/2011 15:44:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.404**	F **354.41**	F **-1826.3**	**-.00208**	**.00246**	**58.278**	**.00681**
Stddev	12.235	1.18	5.2	.00084	.00352	.284	.00045
%RSD	22.910	.33300	.28236	40.154	143.23	.48759	6.6362
#1	-62.994	353.13	-1820.3	-.00305	.00344	58.123	.00633
#2	-39.625	354.65	-1829.4	-.00163	.00539	58.606	.00689
#3	-57.592	355.45	-1829.1	-.00157	-.00145	58.104	.00722
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20100**	**.48835**	**.00685**	**.09994**	**.41386**	**22.151**
Stddev	.00033	.00220	.00153	.00154	.00135	.024
%RSD	.16541	.44978	22.383	1.5387	.32632	.10990
#1	.20122	.48706	.00648	.09836	.41241	22.170
#2	.20062	.48710	.00554	.10003	.41408	22.159
#3	.20117	.49088	.00854	.10143	.41508	22.123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74055.**	**55236.**
Stddev	421.	601.
%RSD	.56823	1.0882
#1	74377.	55912.
#2	74209.	55031.
#3	73579.	54763.

Approved: February 21, 2011

L1102036443

Sample Name: ~~L1102036343~~ Acquired: 2/18/2011 15:47:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00278**	**67.333**	**.03163**	**.04939**	**.55613**	**.00310**	**271.82**
Stddev	.00073	.955	.00105	.00064	.00285	.00002	.90
%RSD	26.335	1.4177	3.3108	1.2862	.51316	.58637	.33227
#1	.00334	66.323	.03170	.04944	.55298	.00308	270.81
#2	.00304	68.221	.03055	.05000	.55687	.00311	272.11
#3	.00195	67.454	.03264	.04873	.55855	.00311	272.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00297**	**.02779**	**.07635**	**.15066**	**67.740**	**16.744**	**.06845**
Stddev	.00033	.00014	.00142	.00200	.257	.108	.00280
%RSD	11.104	.51941	1.8636	1.3249	.37992	.64234	4.0938
#1	.00313	.02765	.07563	.14900	67.494	16.620	.06764
#2	.00259	.02778	.07799	.15010	67.718	16.810	.06614
#3	.00318	.02793	.07544	.15287	68.007	16.801	.07157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.662**	**3.0333**	**.00103**	**.42367**	**.06174**	F **5217.2**	**.16841**
Stddev	.052	.0102	.00006	.01945	.00085	40.2	.00177
%RSD	.19665	.33569	5.9937	4.5903	1.3826	.77028	1.0518
#1	26.603	3.0249	.00110	.44522	.06078	5187.6	.16694
#2	26.677	3.0304	.00103	.40742	.06204	5200.9	.17037
#3	26.704	3.0446	.00097	.41837	.06240	5262.9	.16791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036443

Sample Name: ~~L1102036343~~ Acquired: 2/18/2011 15:47:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.552**	F **312.43**	F **-1063.7**	**-.00203**	**.00616**	**66.504**	**.00488**
Stddev	10.664	3.40	10.0	.00210	.00073	.386	.00055
%RSD	21.095	1.0894	.94035	103.13	11.877	.58058	11.320
#1	-42.144	309.22	-1053.5	-.00261	.00691	66.176	.00424
#2	-46.965	312.08	-1064.0	.00029	.00612	66.408	.00515
#3	-62.547	316.00	-1073.5	-.00378	.00545	66.930	.00524
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18074**	**.38105**	**.00652**	**.10074**	**.35410**	**26.467**
Stddev	.00041	.00157	.00093	.00080	.00434	.530
%RSD	.22565	.41135	14.277	.79790	1.2260	2.0008
#1	.18033	.37929	.00557	.09983	.35015	26.008
#2	.18075	.38229	.00657	.10102	.35340	26.347
#3	.18114	.38157	.00743	.10137	.35875	27.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73456.**	**54545.**
Stddev	435.	401.
%RSD	.59160	.73451
#1	73837.	54955.
#2	73549.	54154.
#3	72983.	54526.

Approved: February 21, 2011

L1102036444

Sample Name: ~~L1102036344~~ Acquired: 2/18/2011 15:51:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**58.301**	**.03561**	**.05265**	**.52735**	**.00313**	**274.83**
Stddev	.00078	.402	.00144	.00116	.00200	.00002	.25
%RSD	27.910	.68882	4.0468	2.2013	.37969	.73117	.08950
#1	.00288	58.414	.03563	.05303	.52889	.00314	275.02
#2	.00354	57.854	.03416	.05135	.52807	.00311	274.55
#3	.00198	58.633	.03704	.05357	.52508	.00315	274.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00431**	**.02469**	**.07399**	**.25102**	**62.351**	**15.889**	**.06739**
Stddev	.00004	.00004	.00084	.00116	.264	.028	.00020
%RSD	.90115	.17335	1.1356	.46353	.42365	.17755	.30309
#1	.00435	.02466	.07465	.25026	62.559	15.863	.06746
#2	.00430	.02467	.07305	.25044	62.439	15.919	.06716
#3	.00427	.02474	.07427	.25236	62.054	15.886	.06755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.991**	**3.5255**	**.00180**	**.43770**	**.05831**	F **8582.7**	**.23972**
Stddev	.048	.0014	.00032	.00902	.00071	10.6	.00227
%RSD	.18558	.03908	18.002	2.0615	1.2204	.12336	.94787
#1	26.003	3.5270	.00155	.42976	.05752	8591.4	.24058
#2	25.938	3.5254	.00169	.44751	.05891	8585.8	.24144
#3	26.033	3.5242	.00217	.43582	.05849	8570.9	.23714
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036444

Sample Name: ~~L1102036344~~ Acquired: 2/18/2011 15:51:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-31.649**	F **322.18**	F **-1622.1**	**.00132**	**-.00005**	**53.526**	**.00522**
Stddev	6.758	.35	3.1	.00317	.00287	.214	.00012
%RSD	21.353	.10904	.18866	240.73	5832.0	.39946	2.2231
#1	-36.191	321.77	-1620.1	.00456	-.00336	53.318	.00525
#2	-34.872	322.36	-1620.5	.00117	.00155	53.745	.00533
#3	-23.883	322.40	-1625.6	-.00178	.00166	53.514	.00510
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17559**	**.25345**	**.00651**	**.09529**	**.50095**	**21.425**
Stddev	.00005	.00030	.00069	.00080	.00106	.068
%RSD	.02728	.11713	10.660	.84005	.21137	.31833
#1	.17554	.25335	.00643	.09515	.49989	21.399
#2	.17562	.25321	.00586	.09457	.50094	21.373
#3	.17563	.25378	.00724	.09615	.50201	21.502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73709.**	**53933.**
Stddev	149.	433.
%RSD	.20230	.80212
#1	73873.	53503.
#2	73673.	54368.
#3	73581.	53928.

Approved: February 21, 2011

L1102036445

Sample Name: ~~L1102036345~~ Acquired: 2/18/2011 15:54:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00595**	**78.694**	**.03977**	**.06828**	**.57536**	**.00273**	**286.30**
Stddev	.00005	.759	.00216	.00116	.00296	.00003	1.22
%RSD	.80703	.96497	5.4246	1.7005	.51468	1.2724	.42756
#1	.00589	77.817	.03830	.06918	.57197	.00272	285.11
#2	.00597	79.110	.04224	.06697	.57741	.00269	286.25
#3	.00598	79.154	.03875	.06870	.57671	.00276	287.55
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**.02958**	**.08936**	**.22084**	**75.581**	**20.216**	**.07943**
Stddev	.00008	.00028	.00066	.00137	.424	.144	.00063
%RSD	1.9251	.93650	.74362	.61958	.56146	.71277	.79045
#1	.00421	.02934	.09010	.21965	75.116	20.052	.07978
#2	.00432	.02951	.08917	.22055	75.681	20.274	.07980
#3	.00437	.02988	.08881	.22233	75.946	20.323	.07870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.250**	**3.6971**	**.00180**	**.68168**	**.07024**	F **8097.9**	**.23850**
Stddev	.074	.0124	.00015	.00252	.00067	72.7	.00391
%RSD	.27185	.33615	8.1476	.36956	.95469	.89715	1.6380
#1	27.200	3.6835	.00164	.68111	.06999	8039.2	.23547
#2	27.215	3.6999	.00193	.67949	.06974	8075.3	.23712
#3	27.335	3.7079	.00181	.68443	.07100	8179.1	.24291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036445

Sample Name: ~~L1102036345~~ Acquired: 2/18/2011 15:54:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.704**	F **339.71**	F **-1556.3**	**-.00101**	**.00492**	**56.523**	**.00548**
Stddev	14.517	2.28	11.9	.00137	.00369	.413	.00046
%RSD	26.537	.67079	.76459	135.46	75.048	.73104	8.3039
#1	-39.848	337.37	-1544.6	-.00065	.00397	56.117	.00601
#2	-68.856	339.84	-1556.0	.00015	.00180	56.943	.00523
#3	-55.409	341.93	-1568.4	-.00252	.00900	56.508	.00521
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17731**	**.68998**	**.00930**	**.12204**	**.51158**	**34.396**
Stddev	.00112	.00180	.00152	.00058	.00324	.205
%RSD	.63028	.26055	16.320	.47249	.63397	.59467
#1	.17612	.68793	.01009	.12249	.50891	34.631
#2	.17745	.69128	.00755	.12139	.51065	34.296
#3	.17835	.69074	.01025	.12224	.51519	34.261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75120.**	**56386.**
Stddev	16.	286.
%RSD	.02099	.50752
#1	75103.	56056.
#2	75124.	56537.
#3	75134.	56564.

Approved: February 21, 2011

L1102036446

Sample Name: ~~L1102036346~~ Acquired: 2/18/2011 15:58:10 Type: Unk

Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000

User: JYH Custom ID1: 5 Custom ID2: Custom ID3:

Comment: WG356822-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00458**	**59.002**	**.03192**	**.05945**	**.54268**	**.00222**	**317.11**
Stddev	.00015	.062	.00048	.00068	.00085	.00004	1.34
%RSD	3.2996	.10582	1.5053	1.1420	.15737	1.7617	.42141
#1	.00474	58.932	.03161	.05869	.54186	.00226	315.65
#2	.00456	59.050	.03169	.05999	.54357	.00220	317.43
#3	.00445	59.025	.03248	.05968	.54261	.00219	318.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.02327**	**.06499**	**.34818**	**59.195**	**16.676**	**.06788**
Stddev	.00008	.00009	.00034	.00125	.268	.077	.00059
%RSD	1.5946	.39838	.52533	.35853	.45334	.46150	.87054
#1	.00504	.02322	.06484	.34767	58.886	16.589	.06720
#2	.00513	.02322	.06538	.34726	59.365	16.704	.06829
#3	.00520	.02338	.06476	.34960	59.334	16.735	.06814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.208**	**2.4762**	**.00260**	**.25982**	**.05348**	F **9425.0**	**.34255**
Stddev	.100	.0119	.00047	.00246	.00042	34.5	.00276
%RSD	.43117	.47899	18.038	.94724	.78212	.36568	.80610
#1	23.098	2.4631	.00207	.25777	.05345	9414.5	.34381
#2	23.235	2.4789	.00275	.25915	.05391	9397.0	.33938
#3	23.292	2.4864	.00297	.26255	.05307	9463.5	.34445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Erin D. Long

L1102036446

Sample Name: ~~L1102036346~~ Acquired: 2/18/2011 15:58:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356822-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-68.425**	F **372.60**	F **-1932.6**	**.00108**	**.00479**	**44.830**	**.00629**
Stddev	6.782	.72	8.6	.00080	.00294	.245	.00017
%RSD	9.9111	.19302	.44683	74.131	61.288	.54666	2.7146
#1	-66.302	372.11	-1922.7	.00111	.00286	44.598	.00629
#2	-62.959	372.26	-1936.4	.00187	.00334	44.807	.00646
#3	-76.014	373.42	-1938.6	.00027	.00817	45.086	.00612
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23227**	**.49698**	**.00703**	**.09030**	**.46756**	**20.129**
Stddev	.00086	.00300	.00082	.00020	.00145	.339
%RSD	.37091	.60430	11.697	.22105	.30979	1.6827
#1	.23132	.49527	.00608	.09041	.46654	20.493
#2	.23250	.49524	.00753	.09007	.46692	20.071
#3	.23300	.50045	.00747	.09041	.46922	19.823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75820.**	**57346.**
Stddev	181.	198.
%RSD	.23897	.34489
#1	75613.	57554.
#2	75949.	57323.
#3	75898.	57161.

Approved: February 21, 2011

L1102036447S

Sample Name: ~~L1102036347S~~ Acquired: 2/18/2011 16:01:37 Type: Unk

Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000

User: JYH Custom ID1: 5 Custom ID2: Custom ID3:

Comment: WG356822-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04066**	**52.514**	**.07621**	**.05271**	**.53526**	**.00280**	**324.81**
Stddev	.00039	.418	.00299	.00024	.00613	.00004	3.08
%RSD	.96313	.79619	3.9226	.46304	1.1445	1.2897	.94785
#1	.04022	52.425	.07306	.05254	.52948	.00278	321.75
#2	.04096	52.148	.07659	.05299	.53462	.00278	324.76
#3	.04081	52.970	.07900	.05261	.54168	.00285	327.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.02506**	**.06303**	**.46814**	**57.721**	**15.326**	**.06307**
Stddev	.00023	.00042	.00014	.01024	.706	.138	.00090
%RSD	2.0710	1.6771	.22080	2.1864	1.2234	.89759	1.4289
#1	.01080	.02470	.06318	.45786	57.055	15.220	.06235
#2	.01115	.02497	.06291	.46823	57.645	15.276	.06408
#3	.01124	.02552	.06298	.47833	58.462	15.482	.06277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.623**	**2.5427**	**.00235**	**.24559**	**.05596**	F **10321.**	**.40119**
Stddev	.197	.0258	.00038	.03403	.00113	185.	.00945
%RSD	.87202	1.0143	16.342	13.855	2.0245	1.7938	2.3542
#1	22.425	2.5156	.00191	.21027	.05465	10140.	.39105
#2	22.623	2.5456	.00263	.24835	.05661	10312.	.40280
#3	22.820	2.5669	.00251	.27816	.05662	10510.	.40973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036447S

Sample Name: ~~L1102036347S~~ Acquired: 2/18/2011 16:01:37 Type: Unk

Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000

User: JYH Custom ID1: 5 Custom ID2: Custom ID3:

Comment: WG356822-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.508**	F **409.78**	F **-2093.9**	**.00001**	**.00294**	**49.813**	**.00651**
Stddev	5.827	7.71	35.8	.00083	.00257	1.171	.00031
%RSD	13.092	1.8815	1.7084	6713.9	87.345	2.3514	4.6842
#1	-48.306	402.02	-2062.6	-.00075	.00203	48.839	.00634
#2	-47.419	409.87	-2086.2	-.00011	.00095	49.486	.00686
#3	-37.799	417.44	-2132.9	.00090	.00585	51.112	.00634
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23479**	**.26881**	**.00740**	**.08997**	**.49966**	**17.394**
Stddev	.00211	.00266	.00119	.00067	.00998	.308
%RSD	.90078	.99103	16.091	.74105	1.9974	1.7711
#1	.23286	.26655	.00694	.08933	.48955	17.109
#2	.23446	.26815	.00650	.08991	.49994	17.350
#3	.23705	.27175	.00875	.09066	.50950	17.721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75296.**	**56618.**
Stddev	203.	479.
%RSD	.26959	.84547
#1	75516.	56067.
#2	75258.	56853.
#3	75115.	56934.

Approved: February 21, 2011

L1102036448SD

Sample Name: ~~L1102036348SD~~ Acquired: 2/18/2011 16:05:04 Type: Unk

Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000

User: JYH Custom ID1: 5 Custom ID2: Custom ID3:

Comment: WG356822-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04032**	**46.403**	**.07203**	**.04541**	**.53562**	**.00298**	**329.49**
Stddev	.00052	.402	.00155	.00173	.00548	.00006	2.13
%RSD	1.2990	.86692	2.1545	3.7999	1.0232	1.9683	.64618
#1	.04031	46.234	.07030	.04619	.53096	.00297	327.63
#2	.03980	46.112	.07249	.04343	.53423	.00293	329.02
#3	.04085	46.862	.07331	.04661	.54165	.00304	331.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01077**	**.02422**	**.05887**	**.42004**	**55.594**	**14.136**	**.05826**
Stddev	.00012	.00033	.00087	.00585	.441	.144	.00045
%RSD	1.1325	1.3664	1.4861	1.3928	.79406	1.0216	.76510
#1	.01063	.02385	.05838	.41371	55.168	13.994	.05783
#2	.01086	.02433	.05836	.42119	55.567	14.134	.05823
#3	.01081	.02448	.05988	.42524	56.049	14.282	.05872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.982**	**2.5819**	**.00362**	**.23774**	**.05419**	F **10036.**	**.40503**
Stddev	.143	.0180	.00040	.00969	.00032	134.	.00755
%RSD	.64948	.69781	11.081	4.0754	.58160	1.3349	1.8641
#1	21.838	2.5636	.00315	.23791	.05391	9907.8	.39751
#2	21.984	2.5823	.00387	.24734	.05412	10024.	.40496
#3	22.124	2.5997	.00382	.22797	.05453	10175.	.41261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

L1102036448SD

Sample Name: ~~L1102036348SD~~ Acquired: 2/18/2011 16:05:04 Type: Unk

Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000

User: JYH Custom ID1: 5 Custom ID2: Custom ID3:

Comment: WG356822-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.039**	F **404.35**	F **-2086.6**	**.00318**	**.00507**	**63.521**	**.00543**
Stddev	8.347	5.75	24.2	.00125	.00248	1.230	.00042
%RSD	14.382	1.4224	1.1609	39.363	48.897	1.9367	7.6703
#1	-60.457	398.68	-2061.0	.00194	.00767	62.204	.00495
#2	-48.749	404.17	-2089.7	.00316	.00273	63.721	.00566
#3	-64.910	410.18	-2109.2	.00444	.00482	64.640	.00569
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23504**	**.17016**	**.00823**	**.08352**	**.47715**	**16.994**
Stddev	.00135	.00159	.00090	.00114	.00680	.237
%RSD	.57596	.93607	10.921	1.3654	1.4253	1.3924
#1	.23413	.16864	.00728	.08298	.47034	16.779
#2	.23440	.17182	.00835	.08275	.47716	16.956
#3	.23660	.17004	.00906	.08483	.48394	17.248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75500.**	**56494.**
Stddev	76.	208.
%RSD	.10019	.36882
#1	75534.	56500.
#2	75553.	56700.
#3	75413.	56283.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 16:08:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39461**	**9.8112**	**.40686**	**.48953**	**1.0106**	**.04865**	**10.071**
Stddev	.00405	.1192	.00173	.00516	.0032	.00053	.028
%RSD	1.0253	1.2154	.42516	1.0548	.31907	1.0859	.27751
#1	.39691	9.8626	.40548	.48994	1.0106	.04875	10.083
#2	.38994	9.6749	.40630	.48418	1.0073	.04808	10.039
#3	.39699	9.8961	.40880	.49448	1.0138	.04913	10.092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05095**	**.20401**	**.48786**	**.50532**	**4.0454**	**50.376**	**1.0138**
Stddev	.00024	.00053	.00621	.00099	.0142	.148	.0063
%RSD	.47031	.25924	1.2731	.19522	.35138	.29285	.61851
#1	.05107	.20416	.48785	.50581	4.0483	50.314	1.0124
#2	.05112	.20342	.48166	.50419	4.0300	50.270	1.0084
#3	.05068	.20445	.49408	.50597	4.0579	50.545	1.0207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9986**	**.50614**	**1.0176**	**50.823**	**.50867**	F **13.718**	**.50815**
Stddev	.0562	.00044	.0029	.184	.00141	3.237	.00113
%RSD	.56188	.08739	.28426	.36215	.27771	23.594	.22255
#1	10.036	.50665	1.0178	50.845	.50963	17.351	.50699
#2	9.9340	.50588	1.0147	50.628	.50705	11.143	.50822
#3	10.025	.50590	1.0204	50.994	.50934	12.659	.50925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 16:08:37 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-29.582**	**10.152**	F **14.996**	**1.2303**	**.41040**	F **4.0631**	**1.0157**
Stddev	19.701	.045	1.488	.0044	.00423	.1649	.0021
%RSD	66.597	.44081	9.9213	.35850	1.0310	4.0589	.20202
#1	-9.2337	10.199	15.288	1.2264	.41518	3.9920	1.0150
#2	-48.564	10.110	13.384	1.2293	.40893	4.2516	1.0141
#3	-30.947	10.147	16.317	1.2351	.40711	3.9456	1.0180
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0082**	**1.0177**	**.51110**	**.97783**	**.99998**	F **1.5669**
Stddev	.0020	.0040	.00151	.01144	.00254	.2174
%RSD	.19619	.39006	.29491	1.1702	.25390	13.873
#1	1.0078	1.0131	.51012	.98082	.99876	1.3552
#2	1.0064	1.0204	.51284	.96519	.99828	1.7895
#3	1.0103	1.0195	.51034	.98748	1.0029	1.5561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75159.**	**54567.**
Stddev	184.	701.
%RSD	.24447	1.2847
#1	75250.	54212.
#2	75280.	55375.
#3	74948.	54115.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 16:12:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00312**	**.00249**	**-.00010**	**-.00042**	**.00005**	**-.01681**
Stddev	.00098	.00428	.00097	.00084	.00011	.00001	.00559
%RSD	111.79	137.17	39.097	862.95	26.158	16.707	33.229
#1	-.00015	.00063	.00210	-.00079	-.00051	.00005	-.01504
#2	.00180	.00067	.00177	-.00034	-.00044	.00004	-.02306
#3	.00097	.00806	.00360	.00083	-.00030	.00005	-.01232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00008**	**-.00023**	**-.00091**	**.00380**	**.03256**	**.00059**
Stddev	.00014	.00009	.00083	.00076	.00315	.07032	.00076
%RSD	753.61	110.17	359.32	83.419	82.906	215.98	128.77
#1	-.00009	.00018	-.00118	-.00007	.00575	.04541	-.00005
#2	-.00002	.00001	.00039	-.00154	.00017	.09556	.00144
#3	.00017	.00006	.00010	-.00110	.00548	-.04330	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01559**	**.00020**	**.00031**	**.03123**	**.00041**	F **-9.6873**	**.00300**
Stddev	.00579	.00095	.00023	.02021	.00011	4.2237	.00175
%RSD	37.142	483.63	72.727	64.720	26.643	43.600	58.516
#1	.01181	.00088	.00013	.04672	.00047	-4.8105	.00134
#2	.01271	-.00088	.00057	.03860	.00048	-12.079	.00282
#3	.02226	.00058	.00024	.00837	.00029	-12.173	.00483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 16:12:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.130**	F **-.07927**	F **4.8815**	**-.00244**	**.00393**	**-.28013**	**.00081**
Stddev	22.629	.02883	.8851	.00044	.00155	.15326	.00026
%RSD	118.29	36.372	18.131	18.060	39.484	54.709	32.484
#1	-14.373	-.11185	5.6205	-.00274	.00223	-.44370	.00108
#2	.7413	-.05704	5.1235	-.00193	.00527	-.25685	.00056
#3	-43.760	-.06891	3.9006	-.00264	.00429	-.13985	.00078
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00081**	**.00067**	**.00002**	**.00021**	F **.69240**
Stddev	.00020	.00018	.00164	.00033	.00003	.31819
%RSD	247.50	21.556	246.58	1608.1	13.461	45.955
#1	.00015	.00073	-.00115	-.00005	.00018	.32659
#2	-.00017	.00102	.00206	.00038	.00020	.84564
#3	-.00023	.00070	.00108	-.00027	.00024	.90497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76967.**	**54470.**
Stddev	184.	276.
%RSD	.23950	.50652
#1	76857.	54421.
#2	76864.	54767.
#3	77179.	54222.

Approved: February 21, 2011

Sample Name: PBS 54 Acquired: 2/18/2011 16:15:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356963-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00418**	**-.00272**	**-.00019**	**-.00019**	**.00003**	**.00692**
Stddev	.00107	.00124	.00200	.00065	.00038	.00002	.01901
%RSD	888.42	29.600	73.378	347.25	205.78	57.580	274.54
#1	.00135	-.00436	-.00485	.00014	-.00059	.00003	-.01400
#2	-.00060	-.00286	-.00088	-.00093	-.00013	.00006	.01164
#3	-.00039	-.00532	-.00245	.00023	.00017	.00002	.02313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00038**	**-.00034**	**-.00042**	**.02132**	**-.07631**	**-.00383**
Stddev	.00012	.00020	.00038	.00020	.00429	.04797	.00145
%RSD	62.731	52.527	110.65	48.365	20.104	62.869	37.901
#1	.00034	-.00033	-.00004	-.00042	.01923	-.13129	-.00298
#2	.00015	-.00021	-.00023	-.00022	.02625	-.05471	-.00301
#3	.00011	-.00060	-.00077	-.00063	.01848	-.04293	-.00551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02247**	**.00047**	**.00013**	**.01021**	**.00509**	F **-16.245**	**.00235**
Stddev	.02382	.00046	.00021	.01592	.00115	7.630	.00121
%RSD	106.00	97.556	162.22	155.99	22.538	46.968	51.612
#1	.03921	.00023	-.00009	.02831	.00474	-20.527	.00155
#2	.03301	.00018	.00033	-.00165	.00636	-20.772	.00175
#3	-.00480	.00099	.00014	.00397	.00415	-7.4359	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS 54 Acquired: 2/18/2011 16:15:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356963-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-38.471**	F **-.06678**	**4.2657**	**-.00100**	**.00498**	**1.4321**	**.00068**
Stddev	2.429	.02391	2.6786	.00153	.00354	.1442	.00032
%RSD	6.3130	35.799	62.795	153.55	70.924	10.067	46.443
#1	-41.276	-.05674	4.5687	-.00202	.00692	1.2818	.00103
#2	-37.085	-.09407	6.7799	-.00174	.00090	1.5692	.00062
#3	-37.053	-.04954	1.4484	.00077	.00713	1.4454	.00040
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00079**	**-.00136**	**-.00018**	**.00172**	**.48380**
Stddev	.00011	.00123	.00096	.00057	.00008	.35727
%RSD	90.125	155.31	70.855	318.05	4.8549	73.846
#1	-.00018	.00136	-.00041	-.00005	.00182	.85208
#2	-.00018	-.00062	-.00133	.00032	.00167	.46063
#3	.00000	.00164	-.00234	-.00081	.00167	.13868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75902.**	**54617.**
Stddev	509.	179.
%RSD	.67065	.32689
#1	76295.	54822.
#2	76085.	54529.
#3	75327.	54500.

Approved: February 21, 2011

Sample Name: LCSS 54 Acquired: 2/18/2011 16:19:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356963-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19276**	**-.00059**	**.19592**	**-.00058**	**-.00003**	**.00003**	**.01034**
Stddev	.00173	.00277	.00108	.00178	.00033	.00003	.02360
%RSD	.89721	465.75	.55049	306.30	1074.8	110.81	228.31
#1	.19120	.00080	.19574	.00034	-.00040	.00000	.01788
#2	.19246	-.00378	.19494	-.00263	.00020	.00002	.02924
#3	.19462	.00120	.19708	.00055	.00011	.00007	-.01611
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02493**	**-.00037**	**-.00010**	**.25621**	**.00826**	**-.04875**	**-.00175**
Stddev	.00007	.00024	.00036	.00058	.00189	.05780	.00081
%RSD	.28028	63.954	364.50	.22590	22.903	118.55	46.341
#1	.02501	-.00021	.00031	.25630	.00617	-.03703	-.00269
#2	.02490	-.00064	-.00024	.25559	.00876	.00228	-.00130
#3	.02489	-.00025	-.00037	.25674	.00986	-.11152	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00462**	**.26328**	**-.00009**	**.02238**	**.00078**	F **-10.500**	**.26247**
Stddev	.00900	.00027	.00026	.01681	.00074	11.827	.00194
%RSD	194.90	.10193	274.29	75.118	95.287	112.63	.73870
#1	-.01487	.26315	-.00037	.03533	-.00006	-13.181	.26052
#2	-.00098	.26359	-.00005	.02844	.00134	2.4370	.26440
#3	.00199	.26311	.00014	.00338	.00104	-20.756	.26248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS 54 Acquired: 2/18/2011 16:19:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356963-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-20.023**	F **-.10969**	**5.8433**	**.00302**	**.00260**	**1.4029**	**.00038**
Stddev	22.096	.04157	1.2475	.00184	.00128	.1386	.00012
%RSD	110.35	37.897	21.350	60.887	49.457	9.8811	32.653
#1	-40.148	-.11169	5.9230	.00092	.00149	1.2740	.00041
#2	-23.542	-.06715	7.0491	.00436	.00401	1.5495	.00048
#3	3.6211	-.15022	4.5578	.00377	.00230	1.3850	.00024
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00068**	**.00016**	**.00000**	**.00134**	**.42559**
Stddev	.00014	.00143	.00095	.0005	.00002	.16688
%RSD	133.15	209.94	577.71	37052.	1.4757	39.211
#1	.00005	.00100	.00122	.00041	.00135	.61718
#2	-.00014	-.00088	-.00060	-.00054	.00132	.34758
#3	-.00023	.00193	-.00014	.00012	.00135	.31200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**72873.**	**53445.**
Stddev	1014.	216.
%RSD	1.3920	.40492
#1	73993.	53681.
#2	72610.	53399.
#3	72016.	53256.

Approved: February 21, 2011

Sample Name: L1102045401 Acquired: 2/18/2011 16:23:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00390**	**26.485**	**.02829**	**.03442**	**1.4067**	**.00670**	**35.990**
Stddev	.00053	.171	.00168	.00033	.0035	.00003	.037
%RSD	13.580	.64588	5.9358	.96634	.24732	.46971	.10345
#1	.00371	26.617	.03006	.03477	1.4029	.00674	35.948
#2	.00450	26.545	.02672	.03438	1.4072	.00668	36.020
#3	.00349	26.292	.02807	.03411	1.4098	.00669	36.001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01186**	**.04117**	**.06136**	**1.0739**	**77.984**	**8.1126**	**.03761**
Stddev	.00013	.00028	.00047	.0005	.118	.0892	.00171
%RSD	1.0873	.69143	.76385	.04883	.15134	1.1001	4.5491
#1	.01191	.04086	.06094	1.0736	77.861	8.0991	.03710
#2	.01172	.04123	.06187	1.0745	77.996	8.0308	.03952
#3	.01196	.04142	.06128	1.0737	78.096	8.2078	.03622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7237**	**6.2970**	**.00334**	**.21825**	**.04268**	F **12594.**	**1.9333**
Stddev	.0199	.0087	.00028	.01127	.00032	33.	.0080
%RSD	.22849	.13803	8.5322	5.1653	.75433	.26344	.41489
#1	8.7286	6.2870	.00302	.20740	.04281	12557.	1.9243
#2	8.7018	6.3024	.00344	.22990	.04291	12604.	1.9397
#3	8.7407	6.3017	.00356	.21745	.04231	12621.	1.9359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045401 Acquired: 2/18/2011 16:23:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-33.960**	F **92.400**	F **-1935.4**	**.00180**	**.01071**	**58.418**	**.06579**
Stddev	13.357	.063	3.5	.00195	.00558	.281	.00025
%RSD	39.331	.06832	.18041	108.38	52.134	.48054	.38300
#1	-21.972	92.468	-1937.5	.00156	.01601	58.094	.06597
#2	-48.358	92.343	-1931.3	.00386	.00488	58.584	.06550
#3	-31.551	92.389	-1937.3	-.00002	.01125	58.576	.06588
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11429**	**.11890**	**.00916**	**.05616**	**2.2005**	**8.4426**
Stddev	.00022	.00180	.00109	.00034	.0018	.1623
%RSD	.18957	1.5172	11.901	.60547	.08014	1.9221
#1	.11405	.11813	.00801	.05623	2.1991	8.4563
#2	.11435	.12096	.00929	.05645	2.1999	8.2739
#3	.11447	.11761	.01018	.05579	2.2025	8.5975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77571.**	**56952.**
Stddev	116.	148.
%RSD	.14974	.26027
#1	77692.	56894.
#2	77561.	57121.
#3	77461.	56842.

Approved: February 21, 2011

Sample Name: L1102045401PS Acquired: 2/18/2011 16:26:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356993-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20279**	**30.226**	**.23570**	**1.0193**	**1.8997**	**.03120**	**40.299**
Stddev	.00367	.588	.00275	.0166	.0080	.00045	.133
%RSD	1.8120	1.9463	1.1673	1.6287	.42076	1.4490	.32934
#1	.19928	29.606	.23432	1.0047	1.8906	.03077	40.157
#2	.20661	30.776	.23391	1.0374	1.9030	.03167	40.419
#3	.20247	30.298	.23887	1.0159	1.9055	.03117	40.322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03778**	**.14430**	**.30124**	**1.2982**	**78.402**	**33.474**	**.55449**
Stddev	.00017	.00056	.00469	.0009	.372	.143	.00148
%RSD	.45298	.38529	1.5560	.06870	.47408	.42573	.26646
#1	.03770	.14367	.29686	1.2973	77.974	33.309	.55394
#2	.03766	.14474	.30618	1.2991	78.643	33.561	.55337
#3	.03797	.14448	.30067	1.2983	78.588	33.551	.55617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.576**	**6.3993**	**.53179**	**26.841**	**.29958**	F **12653.**	**2.1512**
Stddev	.081	.0214	.00084	.159	.00059	55.	.0080
%RSD	.59390	.33376	.15786	.59283	.19725	.43092	.37425
#1	13.483	6.3752	.53084	26.659	.29891	12599.	2.1420
#2	13.625	6.4161	.53210	26.911	.29976	12652.	2.1547
#3	13.620	6.4066	.53242	26.953	.30005	12708.	2.1569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045401PS Acquired: 2/18/2011 16:26:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356993-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.123**	F **96.082**	F **-1924.7**	**.61685**	**.22055**	F **361.07**	**.06596**
Stddev	11.198	.129	1.9	.00416	.00086	.62	.00057
%RSD	22.795	.13390	.09738	.67376	.38992	.17233	.86210
#1	-56.913	95.964	-1922.6	.61905	.22027	360.40	.06545
#2	-36.291	96.063	-1925.5	.61206	.21986	361.18	.06584
#3	-54.165	96.219	-1926.0	.61944	.22151	361.63	.06657
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62002**	**.62431**	**.26493**	**.54781**	**2.6893**	**9.3026**
Stddev	.00191	.00145	.00248	.00810	.0074	.2384
%RSD	.30769	.23283	.93434	1.4793	.27472	2.5627
#1	.61798	.62515	.26292	.53994	2.6808	9.1888
#2	.62176	.62516	.26770	.55612	2.6941	9.5766
#3	.62031	.62263	.26418	.54736	2.6931	9.1425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76614.**	**57588.**
Stddev	239.	793.
%RSD	.31258	1.3770
#1	76772.	58501.
#2	76339.	57075.
#3	76732.	57187.

Approved: February 21, 2011

Sample Name: L1102045401SDL Acquired: 2/18/2011 16:30:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356993-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**5.6230**	**.00661**	**.00841**	**.27872**	**.00136**	**7.1970**
Stddev	.00033	.0556	.00119	.00048	.00121	.00002	.0439
%RSD	17.942	.98928	18.052	5.6525	.43327	1.7491	.61037
#1	.00169	5.5588	.00583	.00880	.27806	.00133	7.1479
#2	.00161	5.6569	.00798	.00855	.27798	.00137	7.2104
#3	.00222	5.6533	.00601	.00788	.28011	.00137	7.2327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00225**	**.00839**	**.01218**	**.21890**	**15.557**	**1.6224**	**.00853**
Stddev	.00005	.00014	.00028	.00078	.055	.0527	.00176
%RSD	2.2972	1.7203	2.2809	.35490	.35429	3.2489	20.663
#1	.00230	.00855	.01240	.21815	15.494	1.6397	.00847
#2	.00220	.00832	.01187	.21885	15.584	1.5633	.01032
#3	.00226	.00829	.01226	.21971	15.594	1.6644	.00679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7754**	**1.2726**	**.00119**	**.04562**	**.00912**	F **2553.9**	**.40243**
Stddev	.0153	.0026	.00026	.02304	.00033	20.2	.00272
%RSD	.85917	.20000	21.523	50.510	3.5904	.79242	.67637
#1	1.7590	1.2702	.00142	.07059	.00886	2536.9	.40122
#2	1.7891	1.2722	.00124	.02518	.00949	2548.6	.40052
#3	1.7782	1.2753	.00091	.04108	.00900	2576.3	.40555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045401SDL Acquired: 2/18/2011 16:30:22 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356993-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.164**	F **18.670**	F **-387.13**	**-.00203**	**.00239**	**11.538**	**.01199**
Stddev	21.383	.199	4.49	.00186	.00130	.184	.00028
%RSD	60.811	1.0648	1.1585	91.728	54.533	1.5988	2.3536
#1	-59.703	18.487	-381.96	-.00408	.00110	11.360	.01175
#2	-25.261	18.642	-389.97	-.00154	.00370	11.526	.01230
#3	-20.527	18.882	-389.46	-.00046	.00236	11.728	.01191
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02288**	**.02504**	**.00376**	**.01190**	**.44917**	**1.9137**
Stddev	.00018	.00063	.00136	.00068	.00169	.0729
%RSD	.79517	2.5097	36.144	5.6868	.37595	3.8093
#1	.02270	.02470	.00435	.01116	.44779	1.9305
#2	.02287	.02465	.00221	.01204	.44865	1.9767
#3	.02306	.02576	.00473	.01249	.45105	1.8338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78228.**	**56107.**
Stddev	47.	131.
%RSD	.06056	.23346
#1	78267.	56155.
#2	78176.	55959.
#3	78242.	56208.

Approved: February 21, 2011

Sample Name: L1102045401SDL Acquired: 2/18/2011 16:33:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356993-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**1.0956**	**.00211**	**-.00007**	**.05366**	**.00029**	**1.3862**
Stddev	.00103	.0088	.00241	.00215	.00012	.00002	.0116
%RSD	154.80	.80085	114.09	3091.8	.22031	6.0110	.83318
#1	-.00052	1.0896	.00272	.00181	.05362	.00030	1.3757
#2	.00134	1.0916	.00416	.00040	.05358	.00028	1.3986
#3	.00118	1.1057	-.00054	-.00242	.05380	.00027	1.3842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00180**	**.00197**	**.04178**	**2.9784**	**.20172**	**-.00236**
Stddev	.00013	.00016	.00010	.00075	.0133	.01658	.00035
%RSD	37.341	8.9374	5.3028	1.8049	.44561	8.2202	14.688
#1	.00049	.00198	.00208	.04249	2.9935	.19875	-.00199
#2	.00031	.00172	.00187	.04185	2.9728	.21958	-.00267
#3	.00024	.00169	.00195	.04099	2.9688	.18682	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35192**	**.24734**	**-.00025**	**.03412**	**.00207**	**482.19**	**.07828**
Stddev	.01115	.00096	.00018	.02482	.00036	3.47	.00147
%RSD	3.1682	.38996	69.537	72.748	17.505	.71919	1.8773
#1	.36164	.24805	-.00005	.06105	.00168	486.02	.07696
#2	.35437	.24772	-.00032	.01215	.00212	481.28	.07803
#3	.33975	.24624	-.00038	.02917	.00240	479.27	.07986
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102045401SDL Acquired: 2/18/2011 16:33:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356993-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.458**	**3.4248**	F **-65.574**	**-.00332**	**.00262**	**1.3931**	**.00190**
Stddev	7.987	.0462	2.601	.00088	.00257	.2457	.00023
%RSD	18.811	1.3487	3.9671	26.373	98.232	17.637	12.091
#1	-34.011	3.4187	-67.716	-.00310	.00013	1.2946	.00214
#2	-43.476	3.4737	-66.328	-.00257	.00527	1.2120	.00186
#3	-49.886	3.3819	-62.679	-.00428	.00247	1.6728	.00169
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00422**	**.00347**	**.00194**	**.00199**	**.08780**	**.28605**
Stddev	.00004	.00015	.00169	.00053	.00003	.14090
%RSD	.85724	4.2626	86.981	26.685	.03765	49.258
#1	.00420	.00331	.00121	.00241	.08783	.27602
#2	.00419	.00360	.00074	.00139	.08779	.15043
#3	.00426	.00350	.00387	.00218	.08777	.43169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77755.**	**56161.**
Stddev	181.	181.
%RSD	.23267	.32173
#1	77889.	56330.
#2	77827.	56181.
#3	77549.	55971.

Approved: February 21, 2011

Sample Name: L1102045402 Acquired: 2/18/2011 16:37:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**25.903**	**.02236**	**.03386**	**1.1119**	**.00815**	**13.800**
Stddev	.00059	.172	.00126	.00146	.0039	.00006	.038
%RSD	14.879	.66309	5.6322	4.3036	.35348	.77601	.27216
#1	.00461	25.708	.02358	.03473	1.1075	.00808	13.790
#2	.00344	25.967	.02243	.03218	1.1133	.00820	13.768
#3	.00387	26.033	.02106	.03468	1.1149	.00817	13.841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00859**	**.04916**	**.03896**	**.87462**	**83.137**	**7.3688**	**.03708**
Stddev	.00010	.00020	.00050	.00266	.272	.0591	.00008
%RSD	1.1573	.39928	1.2871	.30457	.32755	.80165	.22407
#1	.00856	.04899	.03924	.87158	82.854	7.3097	.03701
#2	.00871	.04937	.03926	.87654	83.160	7.3687	.03717
#3	.00851	.04912	.03839	.87575	83.397	7.4279	.03706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.7849**	**6.7853**	**.00228**	**.12060**	**.05621**	F **6945.7**	**1.5062**
Stddev	.0441	.0267	.00024	.01712	.00039	17.2	.0067
%RSD	.50176	.39278	10.742	14.195	.68824	.24794	.44410
#1	8.7463	6.7695	.00255	.11713	.05609	6927.7	1.4992
#2	8.7755	6.7704	.00207	.13919	.05664	6947.4	1.5070
#3	8.8330	6.8161	.00222	.10548	.05589	6962.0	1.5125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045402 Acquired: 2/18/2011 16:37:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-28.748**	F **38.945**	F **-850.64**	**-.00007**	**.00703**	**62.121**	**.04032**
Stddev	11.512	.218	2.39	.00181	.00099	.189	.00025
%RSD	40.047	.56091	.28052	2734.7	14.156	.30352	.62468
#1	-17.368	38.693	-851.84	-.00076	.00589	61.914	.04018
#2	-28.486	39.072	-847.89	-.00143	.00749	62.165	.04018
#3	-40.388	39.071	-852.19	.00199	.00771	62.283	.04061
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06684**	**.08960**	**.00965**	**.04685**	**1.6389**	**5.6506**
Stddev	.00016	.00051	.00065	.00022	.0047	.0915
%RSD	.24545	.56978	6.6946	.46712	.28479	1.6193
#1	.06666	.08905	.00959	.04659	1.6338	5.5546
#2	.06686	.08970	.01033	.04697	1.6402	5.7368
#3	.06699	.09006	.00904	.04697	1.6428	5.6605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76601.**	**55633.**
Stddev	39.	317.
%RSD	.05109	.56948
#1	76569.	55992.
#2	76590.	55513.
#3	76645.	55393.

Approved: February 21, 2011

Sample Name: L1102045403 Acquired: 2/18/2011 16:41:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00543**	**25.809**	**.02788**	**.04276**	**1.3386**	**.00785**	**46.901**
Stddev	.00127	.128	.00081	.00050	.0064	.00006	.169
%RSD	23.433	.49673	2.8973	1.1604	.47741	.78993	.35936
#1	.00417	25.677	.02713	.04241	1.3314	.00779	46.721
#2	.00541	25.933	.02873	.04254	1.3412	.00792	46.925
#3	.00671	25.818	.02777	.04333	1.3433	.00785	47.056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01286**	**.04641**	**.04779**	**1.3809**	**82.858**	**9.1704**	**.03187**
Stddev	.00012	.00040	.00058	.0078	.370	.0453	.00135
%RSD	.89670	.85839	1.2056	.56483	.44608	.49425	4.2270
#1	.01287	.04627	.04754	1.3757	82.431	9.1434	.03337
#2	.01274	.04610	.04738	1.3771	83.064	9.1450	.03148
#3	.01298	.04686	.04845	1.3899	83.078	9.2227	.03076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.2730**	**5.9871**	**.00406**	**.24645**	**.03913**	F **16786.**	**1.7899**
Stddev	.0624	.0251	.00022	.01933	.00084	69.	.0095
%RSD	.67293	.41874	5.3432	7.8428	2.1573	.40906	.53284
#1	9.2023	5.9587	.00426	.26096	.04002	16753.	1.7827
#2	9.3205	5.9969	.00408	.22451	.03835	16741.	1.7863
#3	9.2961	6.0059	.00383	.25388	.03902	16865.	1.8008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045403 Acquired: 2/18/2011 16:41:09 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-27.790**	F **155.29**	F **-3762.6**	**.00243**	**.01176**	**68.301**	**.08551**
Stddev	17.346	.77	18.7	.00240	.00168	.386	.00044
%RSD	62.416	.49708	.49620	98.551	14.281	.56546	.51354
#1	-9.1168	154.79	-3745.6	.00222	.01052	68.737	.08521
#2	-43.400	154.91	-3759.5	.00015	.01367	68.162	.08531
#3	-30.855	156.18	-3782.6	.00493	.01109	68.003	.08602
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20566**	**.10993**	**.00900**	**.04212**	**2.3595**	**8.7946**
Stddev	.00111	.00110	.00022	.00044	.0107	.0926
%RSD	.54183	1.0025	2.4667	1.0340	.45548	1.0530
#1	.20439	.10866	.00876	.04174	2.3513	8.7086
#2	.20647	.11063	.00920	.04259	2.3557	8.7825
#3	.20612	.11050	.00905	.04202	2.3717	8.8927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76520.**	**55582.**
Stddev	238.	371.
%RSD	.31070	.66706
#1	76760.	56010.
#2	76516.	55360.
#3	76285.	55375.

Approved: February 21, 2011

Sample Name: L1102045404 Acquired: 2/18/2011 16:44:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00598**	**31.137**	**.03099**	**.03982**	**1.3438**	**.00944**	**24.958**
Stddev	.00068	.452	.00067	.00136	.0029	.00012	.024
%RSD	11.388	1.4511	2.1763	3.4042	.21405	1.2930	.09712
#1	.00565	31.335	.03163	.03825	1.3415	.00950	24.935
#2	.00677	30.620	.03107	.04057	1.3430	.00930	24.983
#3	.00553	31.456	.03029	.04063	1.3471	.00952	24.956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00824**	**.05321**	**.05715**	**1.4044**	**93.838**	**8.8832**	**.03631**
Stddev	.00012	.00007	.00101	.0041	.163	.0291	.00269
%RSD	1.4197	.13272	1.7615	.29361	.17362	.32781	7.4084
#1	.00811	.05321	.05791	1.4002	93.749	8.8870	.03387
#2	.00827	.05313	.05601	1.4048	93.738	8.9102	.03587
#3	.00833	.05327	.05754	1.4084	94.026	8.8523	.03920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3837**	**6.0668**	**.00286**	**.24067**	**.04429**	F **11815.**	**1.6316**
Stddev	.0331	.0085	.00039	.00563	.00062	63.	.0100
%RSD	.35235	.14077	13.517	2.3402	1.4041	.52968	.61243
#1	9.3654	6.0634	.00243	.23885	.04359	11771.	1.6264
#2	9.4219	6.0765	.00297	.24699	.04447	11788.	1.6253
#3	9.3639	6.0604	.00318	.23618	.04479	11887.	1.6431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045404 Acquired: 2/18/2011 16:44:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-18.399**	F **84.871**	F **-2077.5**	**.00276**	**.00846**	**70.092**	**.06874**
Stddev	10.339	.337	11.4	.00067	.00107	.362	.00029
%RSD	56.195	.39649	.54922	24.187	12.664	.51688	.41626
#1	-26.565	84.580	-2065.1	.00322	.00752	69.679	.06871
#2	-21.858	84.794	-2087.6	.00200	.00963	70.358	.06846
#3	-6.7737	85.240	-2079.9	.00307	.00823	70.239	.06903
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13784**	**.10810**	**.00803**	**.04575**	**1.9248**	**8.4201**
Stddev	.00031	.00179	.00080	.00120	.0066	.1664
%RSD	.22833	1.6532	9.9942	2.6128	.34125	1.9758
#1	.13779	.10622	.00804	.04619	1.9215	8.3080
#2	.13817	.10978	.00722	.04439	1.9205	8.3411
#3	.13755	.10830	.00883	.04666	1.9324	8.6113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76805.**	**54578.**
Stddev	426.	382.
%RSD	.55512	.69958
#1	76706.	54144.
#2	77272.	54862.
#3	76436.	54729.

Approved: February 21, 2011

Sample Name: L1102045405 Acquired: 2/18/2011 16:48:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00461**	**26.163**	**.03484**	**.03493**	**1.4187**	**.00683**	**39.268**
Stddev	.00082	.160	.00131	.00103	.0063	.00002	.113
%RSD	17.700	.61068	3.7695	2.9627	.44464	.35226	.28790
#1	.00526	26.011	.03350	.03388	1.4115	.00680	39.214
#2	.00488	26.149	.03612	.03595	1.4232	.00685	39.191
#3	.00369	26.330	.03489	.03496	1.4215	.00683	39.398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01230**	**.04243**	**.06307**	**1.1361**	**79.032**	**8.0921**	**.03606**
Stddev	.00010	.00034	.00084	.0062	.307	.0327	.00276
%RSD	.79759	.79347	1.3355	.54327	.38831	.40355	7.6657
#1	.01235	.04225	.06221	1.1352	78.688	8.0545	.03288
#2	.01218	.04221	.06389	1.1304	79.133	8.1084	.03789
#3	.01236	.04282	.06310	1.1427	79.276	8.1134	.03742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.8315**	**6.3716**	**.00295**	**.23325**	**.04406**	F **12700.**	**2.0591**
Stddev	.0447	.0115	.00033	.01031	.00047	41.	.0097
%RSD	.50593	.18077	11.356	4.4199	1.0688	.31893	.47080
#1	8.8165	6.3610	.00291	.22164	.04386	12654.	2.0482
#2	8.7964	6.3700	.00263	.24134	.04460	12715.	2.0623
#3	8.8818	6.3839	.00330	.23676	.04373	12730.	2.0668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045405 Acquired: 2/18/2011 16:48:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.017**	F **98.056**	F **-2028.5**	**.00286**	**.00848**	**74.572**	**.06709**
Stddev	10.774	.345	6.6	.00367	.00467	.525	.00025
%RSD	22.915	.35217	.32710	128.24	55.091	.70399	.37484
#1	-57.665	97.875	-2023.5	.00612	.00375	75.170	.06692
#2	-36.122	97.839	-2025.9	-.00111	.01309	74.363	.06696
#3	-47.264	98.454	-2036.0	.00358	.00860	74.184	.06738
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11844**	**.13048**	**.00935**	**.05777**	**2.2514**	**8.4934**
Stddev	.00023	.00190	.00074	.00039	.0101	.3613
%RSD	.19035	1.4571	7.9045	.66911	.44650	4.2536
#1	.11851	.12885	.00871	.05754	2.2453	8.4372
#2	.11819	.13001	.00917	.05756	2.2459	8.1635
#3	.11863	.13257	.01016	.05822	2.2630	8.8795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79997.**	**57009.**
Stddev	460.	104.
%RSD	.57555	.18267
#1	79931.	56903.
#2	80487.	57111.
#3	79573.	57013.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 16:51:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38749**	**9.4987**	**.41254**	**.48171**	**1.0185**	**.04789**	**10.131**
Stddev	.00319	.0737	.00095	.00230	.0022	.00040	.034
%RSD	.82422	.77606	.23031	.47805	.21701	.83759	.33195
#1	.38762	9.4947	.41323	.48147	1.0167	.04788	10.097
#2	.38423	9.4270	.41293	.47954	1.0178	.04750	10.134
#3	.39061	9.5743	.41146	.48412	1.0210	.04830	10.164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05114**	**.20482**	**.47777**	**.50890**	**4.0835**	**50.667**	**1.0210**
Stddev	.00021	.00073	.00270	.00138	.0093	.193	.0034
%RSD	.41704	.35628	.56551	.27073	.22733	.38120	.33612
#1	.05090	.20399	.47800	.50774	4.0807	50.589	1.0181
#2	.05125	.20509	.47496	.50854	4.0760	50.524	1.0202
#3	.05128	.20537	.48035	.51042	4.0939	50.887	1.0248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.037**	**.51083**	**1.0247**	**50.893**	**.51384**	F **13.793**	**.51130**
Stddev	.023	.00135	.0016	.234	.00195	9.981	.00105
%RSD	.22699	.26398	.15285	.46066	.37984	72.365	.20621
#1	10.062	.51004	1.0231	50.686	.51213	15.260	.51055
#2	10.030	.51006	1.0249	50.846	.51343	3.1595	.51085
#3	10.019	.51239	1.0262	51.148	.51597	22.960	.51251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 16:51:42 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.166**	**10.152**	F **13.032**	**1.2421**	**.41053**	F **4.0232**	**1.0234**
Stddev	7.970	.007	1.518	.0014	.00090	.1255	.0027
%RSD	12.820	.07223	11.652	.11642	.21919	3.1203	.26382
#1	-71.239	10.143	13.781	1.2427	.40996	3.9505	1.0203
#2	-58.966	10.154	11.284	1.2431	.41157	3.9511	1.0249
#3	-56.294	10.158	14.030	1.2404	.41006	4.1682	1.0251
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0259**	**1.0226**	**.51339**	**.96631**	**1.0064**	F **1.5994**
Stddev	.0017	.0031	.00124	.00707	.0026	.1296
%RSD	.16068	.30139	.24166	.73194	.26190	8.1054
#1	1.0247	1.0218	.51197	.96688	1.0039	1.4661
#2	1.0253	1.0200	.51394	.95897	1.0062	1.6070
#3	1.0278	1.0260	.51427	.97308	1.0092	1.7251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77442.**	**58335.**
Stddev	404.	528.
%RSD	.52145	.90539
#1	77836.	58520.
#2	77461.	58746.
#3	77029.	57739.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 16:55:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00633**	**.00207**	**.00078**	**-.00020**	**.00005**	**.00338**
Stddev	.00057	.00307	.00072	.00116	.00020	.00003	.00823
%RSD	322.82	48.483	34.966	148.13	101.82	47.951	243.90
#1	-.00047	-.00496	.00226	.00113	.00003	.00008	.01288
#2	.00048	-.00419	.00269	.00173	-.00032	.00003	-.00146
#3	-.00054	-.00985	.00127	-.00051	-.00031	.00005	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00002**	**-.00023**	**-.00124**	**.00231**	**-.02181**	**-.00104**
Stddev	.00011	.00019	.00023	.00054	.00582	.03859	.00037
%RSD	124.46	835.26	97.534	43.267	251.99	176.89	35.738
#1	-.00012	.00006	-.00048	-.00092	-.00344	-.06631	-.00090
#2	-.00019	.00019	-.00016	-.00095	.00217	.00232	-.00146
#3	.00003	-.00019	-.00005	-.00187	.00820	-.00144	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.00035**	**.00071**	**.04153**	**.00121**	F **-.21735**	**.00185**
Stddev	.00974	.00033	.00029	.00828	.00034	8.5470	.00306
%RSD	96.145	93.718	40.817	19.927	28.287	3932.5	165.96
#1	.02103	.00057	.00038	.04762	.00083	9.0641	.00438
#2	.00230	.00052	.00093	.04486	.00129	-1.9524	.00272
#3	.00706	-.00003	.00083	.03211	.00150	-7.7637	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 16:55:13 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.397**	F **-.18206**	F **7.8871**	**-.00194**	**.00416**	**-.29104**	**.00066**
Stddev	19.658	.03844	1.2419	.00129	.00140	.14171	.00019
%RSD	39.005	21.112	15.746	66.340	33.553	48.691	27.992
#1	-59.880	-.18962	7.8121	-.00132	.00548	-.45235	.00068
#2	-27.796	-.21615	6.6845	-.00342	.00270	-.23418	.00083
#3	-63.515	-.14040	9.1648	-.00109	.00431	-.18660	.00047
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00128**	**.00111**	**-.00007**	**.00021**	F **.50242**
Stddev	.0001	.00078	.00214	.00003	.00003	.09616
%RSD	29856.	60.870	192.53	39.594	14.178	19.139
#1	-.00010	.00198	-.00114	-.00004	.00019	.61260
#2	-.00004	.00044	.00136	-.00009	.00021	.45923
#3	.00014	.00144	.00312	-.00008	.00025	.43544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79023.**	**57000.**
Stddev	347.	403.
%RSD	.43974	.70678
#1	78753.	57392.
#2	78900.	56587.
#3	79415.	57021.

Approved: February 21, 2011

Sample Name: L1102045406 Acquired: 2/18/2011 16:58:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00821**	**31.000**	**.03011**	**.04260**	**1.3447**	**.00403**	**97.262**
Stddev	.00093	.205	.00023	.00121	.0060	.00007	.270
%RSD	11.316	.66106	.76807	2.8331	.44381	1.7927	.27789
#1	.00769	30.921	.02993	.04320	1.3384	.00408	97.021
#2	.00928	31.233	.03003	.04338	1.3456	.00407	97.211
#3	.00765	30.847	.03037	.04121	1.3502	.00395	97.555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03165**	**.05371**	**.05265**	**1.1484**	**66.046**	**8.5138**	**.03481**
Stddev	.00004	.00005	.00088	.0026	.205	.0392	.00247
%RSD	.13748	.09614	1.6715	.22381	.31091	.46058	7.0934
#1	.03161	.05367	.05250	1.1513	65.818	8.5508	.03610
#2	.03169	.05369	.05359	1.1473	66.103	8.4727	.03197
#3	.03165	.05377	.05185	1.1465	66.217	8.5179	.03637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8972**	**5.1529**	**.00313**	**.73717**	**.06044**	F **19292.**	**1.3760**
Stddev	.0384	.0129	.00039	.01061	.00065	62.	.0081
%RSD	.38839	.25077	12.468	1.4395	1.0771	.32052	.59102
#1	9.9018	5.1424	.00275	.74330	.06040	19223.	1.3667
#2	9.8566	5.1489	.00311	.72492	.06111	19314.	1.3798
#3	9.9331	5.1673	.00353	.74330	.05981	19341.	1.3815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045406 Acquired: 2/18/2011 16:58:54 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.142**	F **168.23**	F **-2403.1**	**.00133**	**.00880**	F **91.739**	**.05769**
Stddev	10.660	.09	8.9	.00212	.00100	.432	.00059
%RSD	17.725	.05250	.37126	159.11	11.398	.47077	1.0173
#1	-70.996	168.24	-2413.2	.00377	.00857	91.359	.05825
#2	-59.743	168.14	-2399.5	.00033	.00792	92.209	.05773
#3	-49.687	168.32	-2396.5	-.00010	.00989	91.650	.05708
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37800**	**.14282**	**.00827**	**.07060**	**3.0989**	**12.475**
Stddev	.00120	.00238	.00240	.00068	.0055	.105
%RSD	.31831	1.6665	29.020	.95625	.17882	.84139
#1	.37766	.14026	.00727	.07040	3.0929	12.420
#2	.37700	.14496	.00653	.07135	3.1001	12.409
#3	.37933	.14325	.01101	.07004	3.1038	12.596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79156.**	**59124.**
Stddev	223.	75.
%RSD	.28212	.12605
#1	79387.	59169.
#2	78942.	59166.
#3	79138.	59038.

Approved: February 21, 2011

Sample Name: L1102045407 Acquired: 2/18/2011 17:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00635**	**27.540**	**.03384**	**.03498**	**1.2624**	**.00535**	**37.605**
Stddev	.00040	.347	.00013	.00270	.0034	.00003	.112
%RSD	6.2683	1.2601	.36963	7.7278	.27158	.57196	.29839
#1	.00639	27.870	.03371	.03244	1.2603	.00537	37.634
#2	.00672	27.571	.03396	.03782	1.2663	.00536	37.701
#3	.00593	27.178	.03386	.03469	1.2605	.00531	37.482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01633**	**.04809**	**.04766**	**1.5676**	**70.275**	**7.3882**	**.03135**
Stddev	.00010	.00025	.00104	.0056	.262	.1385	.00173
%RSD	.63884	.51777	2.1733	.35589	.37350	1.8746	5.5059
#1	.01628	.04818	.04870	1.5612	70.123	7.5033	.03072
#2	.01645	.04780	.04765	1.5701	70.578	7.4269	.03331
#3	.01626	.04827	.04663	1.5714	70.125	7.2345	.03003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9783**	**6.6203**	**.00189**	**.49262**	**.04781**	F **11224.**	**1.0458**
Stddev	.0557	.0235	.00016	.01552	.00065	38.	.0025
%RSD	.69829	.35541	8.4778	3.1513	1.3526	.34040	.24021
#1	7.9761	6.6109	.00195	.47622	.04725	11188.	1.0472
#2	8.0351	6.6470	.00201	.49455	.04852	11219.	1.0429
#3	7.9237	6.6029	.00171	.50709	.04766	11264.	1.0473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045407 Acquired: 2/18/2011 17:02:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-30.109**	F **80.877**	F **-1467.2**	**.00100**	**.00967**	**78.207**	**.06655**
Stddev	21.482	.383	16.6	.00118	.00270	.148	.00056
%RSD	71.347	.47295	1.1294	117.60	27.881	.18962	.83912
#1	-12.262	80.460	-1448.2	.00187	.01080	78.378	.06719
#2	-24.113	80.960	-1474.6	.00148	.00659	78.114	.06615
#3	-53.952	81.212	-1478.8	-.00034	.01162	78.129	.06632
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16197**	**.12473**	**.01113**	**.06195**	**1.8984**	**10.609**
Stddev	.00062	.00111	.00158	.00038	.0046	.425
%RSD	.38001	.89265	14.167	.60827	.24265	4.0058
#1	.16166	.12574	.01041	.06235	1.8939	10.536
#2	.16268	.12492	.01005	.06160	1.8982	11.066
#3	.16157	.12354	.01294	.06189	1.9031	10.225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79729.**	**55822.**
Stddev	101.	831.
%RSD	.12628	1.4887
#1	79678.	55302.
#2	79845.	55383.
#3	79664.	56780.

Approved: February 21, 2011

Sample Name: L1102045408 Acquired: 2/18/2011 17:05:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03721**	**26.403**	**.03586**	**.05150**	**2.4865**	**.00547**	**69.397**
Stddev	.00073	.267	.00146	.00131	.0204	.00004	.610
%RSD	1.9707	1.0126	4.0677	2.5392	.82033	.68686	.87859
#1	.03654	26.099	.03735	.05000	2.4662	.00542	68.823
#2	.03711	26.513	.03579	.05244	2.4861	.00549	69.332
#3	.03799	26.598	.03443	.05205	2.5070	.00549	70.037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02414**	**.04521**	**.09466**	**1.1243**	**80.779**	**8.8178**	**.03493**
Stddev	.00007	.00021	.00124	.0029	.679	.0474	.00300
%RSD	.29195	.45891	1.3144	.26118	.84009	.53731	8.5784
#1	.02410	.04512	.09344	1.1212	80.136	8.7682	.03214
#2	.02410	.04507	.09462	1.1245	80.712	8.8224	.03456
#3	.02422	.04545	.09592	1.1271	81.488	8.8626	.03810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.1962**	**6.4574**	**.00406**	**.43118**	**.05339**	F **18108.**	**8.4306**
Stddev	.0993	.0539	.00019	.00500	.00052	78.	.0405
%RSD	1.0793	.83403	4.7907	1.1586	.98178	.43331	.48048
#1	9.0931	6.4032	.00384	.43522	.05293	18039.	8.4112
#2	9.2045	6.4579	.00413	.42559	.05328	18091.	8.4035
#3	9.2911	6.5109	.00420	.43272	.05396	18193.	8.4772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045408 Acquired: 2/18/2011 17:05:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.754**	F **195.26**	F **-4402.9**	**.00485**	**.01114**	**78.046**	**.09153**
Stddev	17.330	.48	13.1	.00143	.00165	1.153	.00037
%RSD	34.146	.24453	.29773	29.483	14.789	1.4775	.40662
#1	-68.277	194.79	-4388.4	.00508	.01125	77.047	.09191
#2	-50.363	195.23	-4406.4	.00332	.01272	77.783	.09152
#3	-33.622	195.75	-4413.9	.00615	.00944	79.308	.09116
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43943**	**.13902**	**.00839**	**.05872**	**6.0212**	**6.6053**
Stddev	.00384	.00073	.00057	.00025	.0193	.1968
%RSD	.87382	.52313	6.7474	.42606	.32112	2.9790
#1	.43578	.13862	.00904	.05875	6.0044	6.3833
#2	.43906	.13859	.00811	.05845	6.0170	6.7582
#3	.44344	.13986	.00803	.05895	6.0423	6.6744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77889.**	**57902.**
Stddev	221.	477.
%RSD	.28324	.82414
#1	78061.	58419.
#2	77965.	57807.
#3	77640.	57479.

Approved: February 21, 2011

Sample Name: L1102045409 Acquired: 2/18/2011 17:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00518**	**28.885**	**.03343**	**.04702**	**2.1982**	**.00716**	**51.672**
Stddev	.00044	.361	.00242	.00121	.0046	.00008	.078
%RSD	8.5325	1.2513	7.2352	2.5710	.21016	1.1773	.15059
#1	.00568	29.302	.03132	.04588	2.1929	.00725	51.583
#2	.00499	28.688	.03607	.04690	2.2003	.00713	51.727
#3	.00486	28.665	.03290	.04829	2.2015	.00709	51.705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01480**	**.05041**	**.07410**	**1.3587**	**97.261**	**8.3627**	**.04181**
Stddev	.00005	.00002	.00153	.0031	.196	.0818	.00153
%RSD	.33119	.04776	2.0630	.22687	.20125	.97830	3.6516
#1	.01476	.05041	.07583	1.3594	97.036	8.2888	.04023
#2	.01479	.05043	.07292	1.3553	97.358	8.4506	.04195
#3	.01485	.05038	.07357	1.3613	97.390	8.3487	.04327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.247**	**9.2786**	**.00265**	**.37418**	**.04860**	F **13686.**	**4.1055**
Stddev	.027	.0257	.00013	.01771	.00066	39.	.0151
%RSD	.26334	.27698	5.0868	4.7330	1.3621	.28790	.36772
#1	10.249	9.2494	.00278	.36596	.04813	13679.	4.0949
#2	10.219	9.2886	.00266	.39450	.04936	13650.	4.0987
#3	10.273	9.2977	.00251	.36207	.04832	13728.	4.1228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045409 Acquired: 2/18/2011 17:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-74.943**	F **118.88**	F **-2323.8**	**.00261**	**.01321**	**79.598**	**.05967**
Stddev	8.778	.24	6.5	.00023	.00321	.331	.00033
%RSD	11.713	.20358	.27783	8.8704	24.326	.41561	.55071
#1	-84.817	119.06	-2330.4	.00238	.01355	79.492	.06004
#2	-71.988	118.60	-2317.5	.00263	.00984	79.332	.05955
#3	-68.024	118.97	-2323.4	.00284	.01625	79.968	.05942
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25241**	**.14217**	**.01088**	**.05616**	**3.2451**	**8.0002**
Stddev	.00036	.00156	.00208	.00033	.0075	.2965
%RSD	.14305	1.0983	19.085	.58824	.23003	3.7065
#1	.25200	.14280	.01200	.05639	3.2413	8.3420
#2	.25266	.14332	.00848	.05578	3.2402	7.8118
#3	.25258	.14039	.01216	.05631	3.2537	7.8468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79621.**	**59005.**
Stddev	296.	626.
%RSD	.37222	1.0604
#1	79926.	58299.
#2	79603.	59491.
#3	79334.	59226.

Approved: February 21, 2011

Sample Name: L1102045410 Acquired: 2/18/2011 17:12:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00445**	**15.441**	**.02429**	**.02700**	**.69893**	**.00368**	**224.70**
Stddev	.00070	.080	.00360	.00073	.00328	.00003	.66
%RSD	15.665	.51789	14.813	2.7176	.46925	.70919	.29325
#1	.00441	15.404	.02016	.02690	.69523	.00370	224.05
#2	.00377	15.386	.02596	.02778	.70008	.00365	224.69
#3	.00516	15.533	.02674	.02633	.70148	.00369	225.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00558**	**.02356**	**.03258**	**.72856**	**48.455**	**5.2943**	**.03179**
Stddev	.00004	.00019	.00044	.00363	.244	.0762	.00209
%RSD	.74476	.78987	1.3626	.49834	.50398	1.4399	6.5894
#1	.00555	.02337	.03285	.72767	48.193	5.2856	.03417
#2	.00563	.02374	.03206	.72546	48.493	5.2227	.03024
#3	.00557	.02357	.03281	.73255	48.677	5.3744	.03096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.186**	**4.0288**	**.03668**	**.47448**	**.03367**	F **7290.4**	**1.0759**
Stddev	.064	.0159	.00029	.01220	.00066	15.8	.0028
%RSD	.48444	.39523	.78778	2.5721	1.9467	.21722	.26210
#1	13.133	4.0115	.03674	.47945	.03345	7298.6	1.0785
#2	13.167	4.0321	.03694	.48342	.03316	7272.1	1.0729
#3	13.257	4.0428	.03637	.46058	.03441	7300.4	1.0764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045410 Acquired: 2/18/2011 17:12:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.552**	F **285.27**	F **-2020.0**	**.00885**	**.00693**	**76.409**	**.03610**
Stddev	5.514	1.01	9.0	.00164	.00187	.336	.00052
%RSD	8.4109	.35267	.44725	18.532	26.989	.44010	1.4443
#1	-70.851	284.99	-2017.9	.01007	.00875	76.049	.03668
#2	-65.958	284.43	-2012.2	.00949	.00501	76.714	.03566
#3	-59.847	286.38	-2029.9	.00699	.00705	76.466	.03598
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25207**	**.10031**	**.00729**	**.04871**	**.89310**	**7.1697**
Stddev	.00045	.00136	.00149	.00021	.00402	.2552
%RSD	.17921	1.3592	20.492	.42707	.45044	3.5601
#1	.25157	.10065	.00785	.04887	.89210	6.8750
#2	.25220	.10147	.00559	.04880	.88967	7.3127
#3	.25245	.09881	.00841	.04848	.89753	7.3214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77690.**	**58333.**
Stddev	385.	388.
%RSD	.49571	.66443
#1	77911.	58713.
#2	77914.	58349.
#3	77245.	57938.

Approved: February 21, 2011

Sample Name: L1102045411 Acquired: 2/18/2011 17:16:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356963-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**23.529**	**.03033**	**.04387**	**1.3746**	**.00517**	**312.04**
Stddev	.00082	.335	.00281	.00060	.0054	.00005	1.38
%RSD	17.457	1.4223	9.2713	1.3605	.39312	.88238	.44267
#1	.00562	23.418	.03355	.04365	1.3709	.00515	310.85
#2	.00404	23.265	.02909	.04342	1.3722	.00513	311.71
#3	.00444	23.906	.02835	.04455	1.3808	.00522	313.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01144**	**.03167**	**.04459**	**.90068**	**60.035**	**6.3590**	**.04269**
Stddev	.00011	.00025	.00104	.00106	.243	.0988	.00216
%RSD	.91991	.80398	2.3314	.11753	.40398	1.5538	5.0580
#1	.01155	.03172	.04510	.90161	59.804	6.2715	.04485
#2	.01135	.03190	.04340	.89953	60.013	6.4662	.04270
#3	.01140	.03140	.04529	.90092	60.287	6.3392	.04053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.298**	**6.3963**	**.02414**	**1.2803**	**.04367**	F **9809.3**	**1.9207**
Stddev	.079	.0293	.00043	.0160	.00022	13.5	.0084
%RSD	.45432	.45830	1.8006	1.2513	.50936	.13728	.43612
#1	17.236	6.3645	.02374	1.2698	.04391	9823.1	1.9303
#2	17.272	6.4021	.02408	1.2988	.04347	9796.1	1.9148
#3	17.386	6.4223	.02460	1.2725	.04363	9808.6	1.9170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045411 Acquired: 2/18/2011 17:16:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356963-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.691**	F **374.67**	F **-2086.7**	**.00307**	**.00671**	F **102.35**	**.06648**
Stddev	6.609	.34	1.9	.00176	.00525	.58	.00074
%RSD	10.889	.09141	.09033	57.434	78.330	.57043	1.1194
#1	-67.254	374.99	-2085.1	.00375	.00457	102.97	.06686
#2	-54.037	374.31	-2088.8	.00107	.01269	102.26	.06562
#3	-60.782	374.73	-2086.2	.00440	.00285	101.82	.06695
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54261**	**.14114**	**.00852**	**.05817**	**1.1295**	**10.792**
Stddev	.00244	.00197	.00064	.00082	.0009	.349
%RSD	.44917	1.3945	7.4912	1.4101	.07765	3.2346
#1	.53993	.13888	.00842	.05750	1.1299	10.393
#2	.54318	.14204	.00921	.05791	1.1284	11.037
#3	.54470	.14249	.00795	.05908	1.1300	10.947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76609.**	**57571.**
Stddev	60.	537.
%RSD	.07822	.93315
#1	76599.	57739.
#2	76673.	58003.
#3	76554.	56969.

Approved: February 21, 2011

Sample Name: L1102045412S Acquired: 2/18/2011 17:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356963-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03987**	**22.736**	**.07279**	**.03983**	**1.2153**	**.00485**	**287.27**
Stddev	.00058	.231	.00116	.00142	.0075	.00005	1.11
%RSD	1.4659	1.0145	1.5970	3.5584	.61876	.99056	.38533
#1	.03983	22.995	.07210	.04032	1.2073	.00488	286.02
#2	.03930	22.552	.07215	.04093	1.2161	.00488	287.67
#3	.04047	22.662	.07413	.03823	1.2223	.00479	288.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01325**	**.02911**	**.04363**	**.90159**	**60.599**	**6.0449**	**.04084**
Stddev	.00004	.00013	.00097	.00244	.287	.0352	.00079
%RSD	.31142	.45935	2.2265	.27067	.47377	.58180	1.9292
#1	.01321	.02927	.04448	.90018	60.297	6.0321	.04175
#2	.01326	.02902	.04257	.90019	60.633	6.0847	.04031
#3	.01329	.02905	.04384	.90441	60.868	6.0179	.04047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.540**	**5.9583**	**.02569**	**1.0277**	**.04146**	F **8203.5**	**1.8426**
Stddev	.009	.0185	.00028	.0078	.00115	22.2	.0028
%RSD	.05489	.31118	1.0993	.76215	2.7820	.27048	.15081
#1	16.530	5.9374	.02537	1.0365	.04017	8178.3	1.8450
#2	16.541	5.9645	.02591	1.0254	.04239	8220.3	1.8433
#3	16.548	5.9729	.02579	1.0214	.04182	8211.9	1.8395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045412S Acquired: 2/18/2011 17:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356963-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.987**	F **342.39**	F **-1857.1**	**.00548**	**.00860**	F **97.801**	**.06475**
Stddev	21.011	.27	5.1	.00221	.00162	.260	.00039
%RSD	33.896	.07893	.27323	40.374	18.785	.26619	.60494
#1	-44.707	342.37	-1853.8	.00800	.00733	98.101	.06519
#2	-55.877	342.13	-1854.4	.00457	.00807	97.670	.06446
#3	-85.375	342.67	-1862.9	.00387	.01042	97.632	.06458
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.46608**	**.13819**	**.00965**	**.05668**	**.97747**	**10.048**
Stddev	.00187	.00219	.00076	.00049	.00056	.030
%RSD	.40080	1.5811	7.8209	.87252	.05734	.29607
#1	.46399	.13607	.00895	.05723	.97748	10.053
#2	.46666	.13807	.00957	.05628	.97690	10.074
#3	.46759	.14044	.01045	.05654	.97802	10.015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78842.**	**59266.**
Stddev	123.	570.
%RSD	.15612	.96216
#1	78709.	58626.
#2	78865.	59721.
#3	78952.	59451.

Approved: February 21, 2011

Sample Name: L1102045413SD Acquired: 2/18/2011 17:23:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356963-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04160**	**20.050**	**.07268**	**.03254**	**1.0139**	**.00453**	**326.32**
Stddev	.00089	.103	.00211	.00122	.0027	.00004	1.20
%RSD	2.1281	.51329	2.9060	3.7534	.26506	.92094	.36764
#1	.04234	20.135	.07153	.03219	1.0109	.00457	324.97
#2	.04062	19.935	.07139	.03153	1.0149	.00453	326.73
#3	.04184	20.079	.07512	.03390	1.0160	.00449	327.25
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01363**	**.02791**	**.04201**	**.91402**	**57.853**	**5.6097**	**.03933**
Stddev	.00009	.00029	.00098	.00065	.154	.0118	.00134
%RSD	.62502	1.0214	2.3266	.07121	.26558	.20991	3.4080
#1	.01365	.02760	.04285	.91477	57.702	5.5994	.03978
#2	.01354	.02798	.04094	.91359	57.848	5.6225	.04039
#3	.01371	.02816	.04223	.91370	58.009	5.6073	.03782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.692**	**5.9182**	**.03552**	**.74992**	**.04097**	F **7469.8**	**1.4403**
Stddev	.050	.0151	.00049	.01085	.00061	28.9	.0054
%RSD	.28393	.25542	1.3705	1.4464	1.4989	.38672	.37698
#1	17.654	5.9007	.03516	.75415	.04168	7448.9	1.4424
#2	17.672	5.9269	.03534	.73759	.04056	7457.8	1.4341
#3	17.749	5.9269	.03608	.75801	.04068	7502.8	1.4443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045413SD Acquired: 2/18/2011 17:23:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356963-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.347**	F **382.70**	F **-1889.5**	**.00371**	**.00517**	F **100.44**	**.05398**
Stddev	23.679	.16	7.0	.00328	.00365	.43	.00040
%RSD	34.145	.04220	.37038	88.547	70.734	.42965	.73811
#1	-53.511	382.62	-1881.5	.00212	.00856	100.81	.05410
#2	-96.568	382.60	-1894.5	.00749	.00129	99.967	.05354
#3	-57.962	382.89	-1892.4	.00152	.00565	100.54	.05431
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37941**	**.12170**	**.00706**	**.05661**	**.93921**	**8.9080**
Stddev	.00173	.00235	.00014	.00069	.00102	.2731
%RSD	.45542	1.9290	1.9175	1.2139	.10841	3.0657
#1	.37765	.12347	.00690	.05719	.93963	8.8133
#2	.37947	.12259	.00715	.05585	.93805	9.2158
#3	.38110	.11903	.00711	.05679	.93995	8.6948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76618.**	**57788.**
Stddev	593.	183.
%RSD	.77361	.31738
#1	75935.	57655.
#2	77001.	57997.
#3	76918.	57713.

Approved: February 21, 2011

Sample Name: L1102045414 Acquired: 2/18/2011 17:27:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00503**	**26.538**	**.03357**	**.04390**	**2.0006**	**.00657**	**48.063**
Stddev	.00101	.166	.00122	.00178	.0036	.00002	.093
%RSD	20.130	.62611	3.6361	4.0515	.18189	.31601	.19399
#1	.00496	26.718	.03337	.04593	1.9964	.00659	47.955
#2	.00405	26.391	.03246	.04315	2.0026	.00656	48.116
#3	.00608	26.504	.03487	.04262	2.0029	.00656	48.117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01330**	**.04660**	**.06342**	**1.1923**	**92.121**	**7.9914**	**.03827**
Stddev	.00018	.00009	.00056	.0011	.204	.0514	.00440
%RSD	1.3372	.18765	.88536	.09336	.22113	.64360	11.508
#1	.01329	.04655	.06401	1.1924	91.886	7.9324	.03963
#2	.01312	.04670	.06333	1.1911	92.233	8.0148	.04183
#3	.01348	.04655	.06290	1.1933	92.244	8.0269	.03334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5217**	**8.6036**	**.00288**	**.36068**	**.06536**	F **12583.**	**3.7242**
Stddev	.0319	.0367	.00020	.00661	.00116	19.	.0137
%RSD	.33528	.42704	7.1082	1.8339	1.7728	.15361	.36854
#1	9.4863	8.5622	.00299	.36643	.06647	12561.	3.7084
#2	9.5302	8.6164	.00300	.35345	.06545	12596.	3.7308
#3	9.5484	8.6323	.00264	.36217	.06416	12593.	3.7333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045414 Acquired: 2/18/2011 17:27:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-75.413**	F **110.61**	F **-2142.5**	**.00505**	**.01170**	**74.283**	**.06088**
Stddev	5.550	.13	11.3	.00202	.00137	.598	.00031
%RSD	7.3595	.11482	.52745	40.054	11.673	.80534	.51724
#1	-77.769	110.61	-2155.2	.00380	.01264	73.968	.06073
#2	-69.074	110.49	-2133.5	.00739	.01233	73.908	.06066
#3	-79.397	110.74	-2138.9	.00397	.01014	74.973	.06124
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23228**	**.13495**	**.01146**	**.05110**	**2.9827**	**7.4924**
Stddev	.00095	.00127	.00228	.00072	.0060	.1148
%RSD	.40975	.93833	19.895	1.4010	.20043	1.5324
#1	.23155	.13354	.01262	.05192	2.9774	7.5743
#2	.23194	.13533	.01292	.05059	2.9816	7.3612
#3	.23336	.13599	.00883	.05080	2.9892	7.5418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79218.**	**59491.**
Stddev	324.	187.
%RSD	.40900	.31464
#1	79535.	59477.
#2	79232.	59685.
#3	78887.	59311.

Approved: February 21, 2011

Sample Name: L1102045415 Acquired: 2/18/2011 17:30:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**34.936**	**.03321**	**.10404**	**1.5902**	**.00370**	**300.87**
Stddev	.00054	.733	.00110	.00148	.0142	.00005	2.25
%RSD	12.395	2.0968	3.3243	1.4235	.89100	1.2694	.74793
#1	.00407	34.156	.03424	.10233	1.5742	.00364	298.31
#2	.00494	35.041	.03334	.10484	1.5949	.00373	301.79
#3	.00396	35.610	.03204	.10495	1.6014	.00371	302.52
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01178**	**.02992**	**.05297**	**.99488**	**58.298**	**12.345**	**.03515**
Stddev	.00006	.00021	.00107	.00223	.517	.187	.00107
%RSD	.50677	.70722	2.0205	.22429	.88672	1.5134	3.0473
#1	.01183	.02968	.05197	.99732	57.727	12.131	.03487
#2	.01172	.03007	.05285	.99294	58.431	12.470	.03633
#3	.01181	.03002	.05410	.99438	58.735	12.436	.03424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.319**	**4.0716**	**.00674**	**.54665**	**.03573**	F **22311.**	**2.5424**
Stddev	.136	.0291	.00036	.01024	.00051	79.	.0050
%RSD	.95113	.71416	5.2708	1.8739	1.4338	.35391	.19783
#1	14.179	4.0382	.00715	.54360	.03529	22229.	2.5368
#2	14.325	4.0859	.00658	.53827	.03560	22317.	2.5438
#3	14.451	4.0908	.00650	.55807	.03629	22386.	2.5466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045415 Acquired: 2/18/2011 17:30:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.622**	F **492.27**	F **-6775.4**	**.00410**	**.00563**	F **225.56**	**.06053**
Stddev	7.154	.86	21.0	.00313	.00418	1.84	.00018
%RSD	10.275	.17572	.31026	76.423	74.326	.81603	.29725
#1	-61.725	492.99	-6773.0	.00758	.00464	223.86	.06070
#2	-75.667	491.31	-6797.6	.00151	.00202	225.29	.06034
#3	-71.475	492.51	-6755.7	.00320	.01021	227.51	.06056
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64652**	**.19807**	**.00699**	**.04799**	**3.2009**	**8.7497**
Stddev	.00421	.00162	.00260	.00122	.0102	.3696
%RSD	.65156	.81788	37.205	2.5350	.31755	4.2242
#1	.64178	.19642	.00432	.04666	3.2109	8.3296
#2	.64983	.19812	.00951	.04905	3.1905	9.0249
#3	.64796	.19966	.00714	.04827	3.2012	8.8947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77746.**	**57546.**
Stddev	1194.	831.
%RSD	1.5362	1.4434
#1	76395.	58443.
#2	78662.	57392.
#3	78182.	56803.

Approved: February 21, 2011

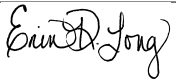
Sample Name: CCV Acquired: 2/18/2011 17:34:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38834**	**9.6277**	**.40736**	**.48376**	**1.0109**	**.04869**	**10.070**
Stddev	.00390	.0575	.00382	.00337	.0021	.00024	.023
%RSD	1.0042	.59690	.93675	.69667	.20961	.48713	.22564
#1	.38384	9.5619	.40552	.48135	1.0085	.04845	10.062
#2	.39074	9.6680	.40480	.48761	1.0115	.04892	10.053
#3	.39043	9.6532	.41174	.48233	1.0126	.04871	10.096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05124**	**.20475**	**.48677**	**.50355**	**4.0519**	**50.138**	**1.0144**
Stddev	.00020	.00048	.00315	.00212	.0166	.178	.0027
%RSD	.38845	.23268	.64688	.42170	.41052	.35430	.26375
#1	.05107	.20452	.48358	.50191	4.0371	49.954	1.0114
#2	.05121	.20443	.48988	.50280	4.0488	50.151	1.0154
#3	.05146	.20530	.48684	.50595	4.0699	50.309	1.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9511**	**.50617**	**1.0122**	**50.649**	**.51061**	**10.389**	**.51760**
Stddev	.0179	.00192	.0028	.118	.00227	4.729	.00126
%RSD	.18001	.37955	.27642	.23393	.44463	45.525	.24286
#1	9.9370	.50411	1.0103	50.522	.50979	6.7549	.51733
#2	9.9451	.50649	1.0108	50.669	.50886	15.736	.51651
#3	9.9713	.50792	1.0154	50.756	.51317	8.6755	.51898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: February 21, 2011



Sample Name: CCV Acquired: 2/18/2011 17:34:05 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.560**	**10.215**	F **11.035**	**1.2336**	**.40965**	F **4.2248**	**1.0170**
Stddev	21.003	.070	2.122	.0037	.00357	.1632	.0027
%RSD	28.945	.68514	19.227	.29875	.87239	3.8625	.26814
#1	-68.573	10.144	9.0559	1.2309	.40673	4.0366	1.0151
#2	-95.271	10.218	10.775	1.2321	.40858	4.3102	1.0157
#3	-53.837	10.283	13.275	1.2378	.41363	4.3275	1.0201
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0080**	**1.0194**	**.51195**	**.96871**	**1.0042**	F **1.4496**
Stddev	.0023	.0054	.00200	.00586	.0040	.2761
%RSD	.22930	.52598	.39110	.60451	.39349	19.044
#1	1.0059	1.0135	.51078	.96201	1.0016	1.1603
#2	1.0078	1.0210	.51080	.97284	1.0023	1.4782
#3	1.0105	1.0238	.51426	.97128	1.0088	1.7102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77709.**	**57007.**
Stddev	167.	323.
%RSD	.21491	.56708
#1	77610.	57210.
#2	77615.	56634.
#3	77902.	57176.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 17:37:36 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**-.01093**	**.00105**	**-.00018**	**-.00104**	**.00004**	**.01820**
Stddev	.00056	.00096	.00094	.00127	.00046	.00002	.00738
%RSD	148.44	8.8056	89.188	713.97	44.054	60.923	40.561
#1	.00100	-.01197	.00095	-.00060	-.00114	.00002	.01268
#2	-.00006	-.01008	.00017	.00125	-.00145	.00007	.02658
#3	.00018	-.01073	.00203	-.00118	-.00054	.00003	.01533
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00009**	**-.00031**	**-.00072**	**.00139**	**-.08763**	**-.00026**
Stddev	.00005	.00015	.00015	.00037	.00144	.04938	.00152
%RSD	274.98	156.70	49.110	51.625	103.65	56.353	594.43
#1	.00003	.00025	-.00033	-.00115	.00263	-.03104	-.00195
#2	-.00004	-.00004	-.00015	-.00052	-.00019	-.10987	.00022
#3	.00006	.00008	-.00045	-.00049	.00175	-.12197	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00865**	**.00009**	**.00035**	**.03787**	**.00139**	F **-8.6983**	**.00140**
Stddev	.00494	.00027	.00020	.01038	.00024	10.559	.00188
%RSD	57.080	322.11	56.921	27.416	17.131	121.39	134.74
#1	-.01282	-.00014	.00016	.04677	.00166	-15.295	.00084
#2	-.00995	.00001	.00055	.04036	.00124	3.4798	.00350
#3	-.00320	.00039	.00034	.02647	.00125	-14.280	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 17:37:36 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.939**	F **-.08647**	F **6.6254**	**-.00384**	**.00278**	**-.03860**	**.00078**
Stddev	4.778	.02392	1.5754	.00182	.00112	.06388	.00027
%RSD	8.6962	27.666	23.779	47.305	40.158	165.49	34.052
#1	-49.745	-.05938	8.3926	-.00533	.00188	-.05855	.00060
#2	-59.146	-.09532	6.1153	-.00182	.00244	-.09013	.00066
#3	-55.925	-.10471	5.3681	-.00439	.00403	.03287	.00109
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00138**	**.00307**	**-.00008**	**.00021**	F **.71497**
Stddev	.00015	.00077	.00057	.00037	.00005	.11913
%RSD	75.553	55.541	18.487	468.90	24.889	16.662
#1	-.00010	.00070	.00250	-.00013	.00021	.60345
#2	-.00012	.00221	.00306	-.00042	.00016	.84047
#3	-.00036	.00123	.00364	.00032	.00026	.70100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80619.**	**58544.**
Stddev	166.	299.
%RSD	.20604	.51148
#1	80434.	58822.
#2	80756.	58227.
#3	80667.	58584.

Approved: February 21, 2011

Sample Name: L1102045416 Acquired: 2/18/2011 17:41:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00486**	**38.475**	**.03131**	**.07733**	**1.7618**	**.00563**	**241.25**
Stddev	.00128	.041	.00314	.00124	.0054	.00005	.37
%RSD	26.273	.10662	10.030	1.6062	.30806	.83218	.15512
#1	.00432	38.434	.03234	.07680	1.7578	.00567	240.84
#2	.00632	38.516	.02778	.07875	1.7680	.00563	241.58
#3	.00395	38.473	.03380	.07645	1.7596	.00558	241.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01101**	**.03986**	**.05605**	**1.0232**	**73.964**	**11.992**	**.03985**
Stddev	.00015	.00019	.00044	.0011	.185	.028	.00257
%RSD	1.3875	.47275	.79001	.11110	.24987	.23080	6.4427
#1	.01090	.03976	.05610	1.0244	73.840	11.998	.04280
#2	.01118	.03975	.05646	1.0231	74.177	12.016	.03854
#3	.01094	.04008	.05558	1.0222	73.877	11.962	.03820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.794**	**5.9527**	**.00571**	**.64005**	**.04359**	F **17252.**	**2.3898**
Stddev	.027	.0151	.00005	.01290	.00018	38.	.0042
%RSD	.19578	.25339	.88845	2.0158	.41583	.22133	.17632
#1	13.777	5.9372	.00576	.64570	.04379	17212.	2.3853
#2	13.825	5.9673	.00570	.62529	.04354	17287.	2.3937
#3	13.780	5.9537	.00566	.64916	.04344	17259.	2.3902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045416 Acquired: 2/18/2011 17:41:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-89.770**	F **387.65**	F **-5149.3**	**.00803**	**.00576**	F **194.49**	**.06209**
Stddev	7.616	.94	24.9	.00092	.00551	.75	.00037
%RSD	8.4836	.24207	.48394	11.435	95.670	.38533	.59447
#1	-87.573	388.06	-5165.8	.00861	.01109	195.32	.06225
#2	-83.494	388.33	-5161.4	.00697	.00009	193.87	.06236
#3	-98.243	386.58	-5120.6	.00850	.00609	194.29	.06167
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49456**	**.23594**	**.00749**	**.04771**	**2.6717**	**12.490**
Stddev	.00051	.00185	.00049	.00036	.0023	.183
%RSD	.10281	.78302	6.5058	.76232	.08615	1.4677
#1	.49398	.23803	.00693	.04777	2.6707	12.694
#2	.49475	.23452	.00778	.04732	2.6743	12.341
#3	.49494	.23528	.00776	.04803	2.6700	12.434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78541.**	**60127.**
Stddev	69.	255.
%RSD	.08762	.42491
#1	78593.	60405.
#2	78463.	59903.
#3	78566.	60073.

Approved: February 21, 2011

Sample Name: L1102045417 Acquired: 2/18/2011 17:44:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**23.819**	**.02450**	**.04423**	**1.0206**	**.00541**	**43.440**
Stddev	.00030	.244	.00086	.00115	.0028	.00007	.064
%RSD	7.4758	1.0248	3.5093	2.5980	.27749	1.2563	.14676
#1	.00391	23.586	.02448	.04330	1.0177	.00533	43.410
#2	.00385	24.073	.02365	.04388	1.0207	.00546	43.396
#3	.00441	23.798	.02537	.04552	1.0233	.00544	43.513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00896**	**.04165**	**.05351**	**1.1329**	**73.682**	**10.492**	**.04480**
Stddev	.00011	.00014	.00060	.0043	.292	.063	.00278
%RSD	1.2253	.32516	1.1240	.38018	.39657	.59903	6.2070
#1	.00884	.04158	.05282	1.1289	73.398	10.520	.04619
#2	.00897	.04180	.05388	1.1323	73.668	10.421	.04159
#3	.00906	.04155	.05384	1.1375	73.982	10.537	.04660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5634**	**6.4387**	**.00308**	**.23952**	**.04833**	F **23766.**	**2.2034**
Stddev	.0635	.0201	.00023	.02901	.00021	114.	.0085
%RSD	.66442	.31192	7.5796	12.112	.43173	.48135	.38384
#1	9.4971	6.4176	.00334	.26818	.04857	23657.	2.1949
#2	9.5695	6.4410	.00301	.24021	.04817	23756.	2.2035
#3	9.6238	6.4576	.00289	.21017	.04827	23885.	2.2119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045417 Acquired: 2/18/2011 17:44:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.597**	F **126.51**	F **-2886.8**	**.00408**	**.00776**	**53.219**	**.04696**
Stddev	31.932	.47	17.0	.00295	.00174	1.153	.00044
%RSD	68.526	.37149	.59043	72.120	22.422	2.1665	.92675
#1	-83.260	126.05	-2867.3	.00230	.00595	52.212	.04648
#2	-31.656	126.49	-2893.7	.00748	.00942	52.969	.04734
#3	-24.876	126.99	-2899.2	.00247	.00791	54.477	.04704
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29185**	**.12166**	**.00908**	**.05110**	**1.9746**	**7.0963**
Stddev	.00071	.00186	.00084	.00037	.0064	.1769
%RSD	.24182	1.5254	9.2654	.71721	.32330	2.4933
#1	.29149	.12260	.00998	.05067	1.9690	6.9331
#2	.29139	.11952	.00893	.05133	1.9733	7.0714
#3	.29266	.12286	.00832	.05128	1.9816	7.2843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78609.**	**57389.**
Stddev	535.	809.
%RSD	.68080	1.4094
#1	77991.	58323.
#2	78903.	56927.
#3	78932.	56918.

Approved: February 21, 2011

Sample Name: L1102045418 Acquired: 2/18/2011 17:48:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00507**	**26.092**	**.02987**	**.04473**	**1.3932**	**.00691**	**45.590**
Stddev	.00038	.100	.00116	.00167	.0089	.00004	.188
%RSD	7.5426	.38374	3.8790	3.7256	.64145	.58086	.41262
#1	.00551	26.004	.03046	.04343	1.3880	.00686	45.374
#2	.00492	26.201	.03062	.04661	1.3880	.00692	45.673
#3	.00479	26.072	.02854	.04416	1.4035	.00694	45.722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01179**	**.05326**	**.05661**	**1.5790**	**85.886**	**8.7863**	**.05668**
Stddev	.00022	.00015	.00007	.0075	.473	.0476	.00059
%RSD	1.9051	.28309	.12003	.47571	.55094	.54229	1.0463
#1	.01153	.05309	.05661	1.5722	85.479	8.8160	.05706
#2	.01194	.05338	.05668	1.5778	85.774	8.7313	.05600
#3	.01190	.05332	.05655	1.5871	86.405	8.8115	.05698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.686**	**8.2406**	**.00152**	**.21774**	**.05722**	F **24951.**	**2.6170**
Stddev	.044	.0420	.00015	.00478	.00107	196.	.0233
%RSD	.40915	.50931	10.117	2.1936	1.8720	.78724	.89012
#1	10.636	8.1932	.00163	.22040	.05615	24743.	2.5922
#2	10.703	8.2557	.00134	.21222	.05829	24978.	2.6206
#3	10.719	8.2730	.00158	.22060	.05722	25133.	2.6384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045418 Acquired: 2/18/2011 17:48:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.880**	F **134.35**	F **-3034.9**	**.00588**	**.01235**	**58.091**	**.06685**
Stddev	18.021	.77	14.5	.00410	.00208	.525	.00034
%RSD	34.078	.57177	.47721	69.733	16.851	.90292	.51203
#1	-34.616	133.64	-3019.9	.00123	.01392	57.487	.06658
#2	-70.647	134.25	-3036.0	.00897	.00999	58.440	.06674
#3	-53.378	135.17	-3048.8	.00745	.01314	58.344	.06724
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31890**	**.13203**	**.01087**	**.05925**	**2.3704**	**7.3063**
Stddev	.00106	.00130	.00122	.00022	.0106	.2215
%RSD	.33346	.98748	11.194	.36514	.44735	3.0314
#1	.31771	.13055	.00973	.05900	2.3610	7.0721
#2	.31975	.13250	.01215	.05936	2.3683	7.5124
#3	.31924	.13302	.01074	.05939	2.3819	7.3343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79470.**	**58442.**
Stddev	1153.	207.
%RSD	1.4508	.35417
#1	78150.	58632.
#2	79981.	58221.
#3	80279.	58472.

Approved: February 21, 2011

Sample Name: L1102045419 Acquired: 2/18/2011 17:51:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**20.792**	**.02487**	**.05334**	**.87558**	**.00489**	**65.340**
Stddev	.00030	.384	.00138	.00092	.00925	.00008	.535
%RSD	2.7803	1.8473	5.5673	1.7307	1.0564	1.6957	.81897
#1	.01107	20.370	.02562	.05354	.86745	.00480	64.912
#2	.01115	20.882	.02571	.05233	.87366	.00492	65.168
#3	.01059	21.122	.02327	.05414	.88565	.00496	65.940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00604**	**.03908**	**.03946**	**.94084**	**67.349**	**9.3436**	**.04507**
Stddev	.00018	.00056	.00090	.01660	.673	.0998	.00253
%RSD	3.0220	1.4421	2.2729	1.7645	1.0000	1.0685	5.6210
#1	.00587	.03857	.03847	.92490	66.751	9.3555	.04498
#2	.00601	.03900	.03970	.93961	67.216	9.2384	.04765
#3	.00623	.03968	.04021	.95803	68.079	9.4370	.04259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.296**	**5.3975**	**.00319**	**.30010**	**.04425**	F **25971.**	**1.5674**
Stddev	.084	.0428	.00024	.00778	.00161	393.	.0236
%RSD	.81412	.79390	7.5403	2.5940	3.6298	1.5144	1.5059
#1	10.223	5.3615	.00331	.29440	.04301	25587.	1.5455
#2	10.278	5.3861	.00291	.29692	.04368	25951.	1.5644
#3	10.387	5.4449	.00335	.30897	.04607	26373.	1.5924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045419 Acquired: 2/18/2011 17:51:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.471**	F **165.15**	F **-3312.3**	**.00138**	**.01035**	**65.676**	**.05313**
Stddev	10.477	2.73	63.3	.00091	.00082	1.187	.00081
%RSD	19.235	1.6545	1.9102	66.125	7.9475	1.8066	1.5231
#1	-66.555	162.59	-3254.3	.00220	.01051	64.688	.05229
#2	-48.951	164.83	-3302.8	.00040	.01108	65.349	.05322
#3	-47.908	168.03	-3379.8	.00152	.00946	66.992	.05390
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50867**	**.10909**	**.00856**	**.04507**	**1.5124**	**4.5855**
Stddev	.00318	.00283	.00087	.00117	.0234	.2867
%RSD	.62569	2.5936	10.110	2.5895	1.5481	6.2512
#1	.50645	.10611	.00803	.04374	1.4900	4.2774
#2	.50725	.10940	.00810	.04556	1.5106	4.6350
#3	.51232	.11174	.00956	.04591	1.5367	4.8443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80221.**	**59518.**
Stddev	510.	432.
%RSD	.63572	.72656
#1	79647.	59971.
#2	80392.	59475.
#3	80623.	59109.

Approved: February 21, 2011

Sample Name: L1102045420 Acquired: 2/18/2011 17:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00311**	**21.084**	**.02183**	**.05435**	**.87935**	**.00516**	**61.824**
Stddev	.00066	.162	.00146	.00106	.00285	.00003	.193
%RSD	21.334	.76902	6.6823	1.9518	.32372	.61189	.31223
#1	.00262	20.910	.02280	.05555	.87624	.00513	61.605
#2	.00386	21.111	.02252	.05355	.87997	.00515	61.896
#3	.00285	21.231	.02015	.05395	.88183	.00519	61.970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**.03903**	**.03826**	**.84993**	**70.587**	**8.5549**	**.04621**
Stddev	.00009	.00016	.00047	.00045	.261	.0282	.00045
%RSD	1.6306	.41020	1.2240	.05308	.37016	.32915	.97747
#1	.00531	.03887	.03808	.84943	70.315	8.5224	.04640
#2	.00547	.03902	.03791	.85005	70.609	8.5725	.04569
#3	.00533	.03919	.03879	.85030	70.836	8.5697	.04653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.371**	**5.3792**	**.00340**	**.30713**	**.04268**	F **21632.**	**1.4673**
Stddev	.017	.0123	.00014	.00570	.00099	19.	.0018
%RSD	.16249	.22801	4.0907	1.8555	2.3255	.08809	.12024
#1	10.351	5.3656	.00351	.31226	.04289	21610.	1.4655
#2	10.381	5.3823	.00324	.30100	.04160	21642.	1.4690
#3	10.381	5.3895	.00344	.30813	.04356	21643.	1.4674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045420 Acquired: 2/18/2011 17:55:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-80.105**	F **146.25**	F **-2910.9**	**.00228**	**.01089**	**61.563**	**.04345**
Stddev	13.273	.13	2.5	.00184	.00363	.526	.00061
%RSD	16.570	.08916	.08522	80.961	33.303	.85493	1.4009
#1	-79.138	146.40	-2912.7	.00401	.01103	61.698	.04340
#2	-67.343	146.15	-2911.8	.00248	.01445	62.008	.04287
#3	-93.836	146.20	-2908.1	.00034	.00720	60.982	.04409
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49407**	**.11122**	**.00765**	**.04646**	**1.3286**	**4.5938**
Stddev	.00086	.00080	.00007	.00061	.0025	.1594
%RSD	.17485	.72183	.90248	1.3219	.18957	3.4704
#1	.49309	.11208	.00765	.04610	1.3258	4.4764
#2	.49446	.11049	.00772	.04611	1.3305	4.5298
#3	.49468	.11109	.00758	.04717	1.3296	4.7753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79918.**	**60742.**
Stddev	352.	555.
%RSD	.44014	.91332
#1	80305.	61379.
#2	79618.	60477.
#3	79831.	60369.

Approved: February 21, 2011

Sample Name: L1102045421 Acquired: 2/18/2011 17:58:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**22.241**	**.02003**	**.03295**	**.83551**	**.00546**	**28.882**
Stddev	.00077	.069	.00140	.00048	.00293	.00003	.128
%RSD	22.726	.30896	7.0138	1.4697	.35022	.61407	.44177
#1	.00425	22.289	.02130	.03351	.83308	.00550	28.797
#2	.00272	22.162	.01852	.03269	.83469	.00545	28.820
#3	.00326	22.272	.02027	.03265	.83876	.00543	29.029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00498**	**.04144**	**.04625**	**.53236**	**73.032**	**8.0877**	**.04423**
Stddev	.00007	.00009	.00118	.00073	.147	.0379	.00242
%RSD	1.4114	.21499	2.5414	.13732	.20099	.46859	5.4782
#1	.00503	.04134	.04752	.53206	72.958	8.1264	.04698
#2	.00500	.04151	.04605	.53182	72.937	8.0862	.04239
#3	.00490	.04146	.04520	.53319	73.202	8.0506	.04334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.5577**	**4.7973**	**.00154**	**.18159**	**.05492**	F **9337.9**	**1.1623**
Stddev	.0250	.0117	.00017	.01954	.00062	24.5	.0012
%RSD	.29244	.24407	10.793	10.762	1.1306	.26204	.10711
#1	8.5430	4.7902	.00159	.19947	.05519	9310.6	1.1612
#2	8.5434	4.7909	.00168	.18458	.05536	9345.0	1.1620
#3	8.5866	4.8108	.00135	.16072	.05421	9358.0	1.1636
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045421 Acquired: 2/18/2011 17:58:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-74.479**	F **90.318**	F **-2124.8**	**-.00036**	**.00712**	**64.833**	**.01719**
Stddev	13.058	.058	6.2	.00102	.00315	.311	.00031
%RSD	17.532	.06392	.29112	286.44	44.247	.47923	1.7756
#1	-59.991	90.384	-2126.5	.00032	.01038	64.639	.01684
#2	-78.105	90.276	-2130.0	.00015	.00409	64.668	.01735
#3	-85.340	90.294	-2118.0	-.00153	.00690	65.191	.01738
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08777**	**.11189**	**.00672**	**.05241**	**1.2817**	**7.3059**
Stddev	.00048	.00362	.00201	.00076	.0032	.4198
%RSD	.54297	3.2328	29.873	1.4524	.25079	5.7459
#1	.08742	.11000	.00857	.05329	1.2792	7.3334
#2	.08758	.10961	.00459	.05200	1.2806	7.7112
#3	.08831	.11606	.00698	.05195	1.2853	6.8730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80338.**	**59739.**
Stddev	401.	411.
%RSD	.49935	.68756
#1	80454.	59266.
#2	80668.	60003.
#3	79891.	59949.

Approved: February 21, 2011

Sample Name: L1102045422 Acquired: 2/18/2011 18:02:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**19.617**	**.01165**	**.03087**	**.86040**	**.00589**	**10.471**
Stddev	.00039	.190	.00055	.00065	.00594	.00003	.063
%RSD	20.953	.96907	4.7325	2.1014	.69055	.56864	.60157
#1	.00204	19.465	.01109	.03016	.85371	.00589	10.414
#2	.00140	19.554	.01220	.03100	.86244	.00585	10.459
#3	.00208	19.830	.01166	.03144	.86505	.00592	10.539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.03833**	**.03288**	**.17097**	**73.591**	**6.0905**	**.04008**
Stddev	.00001	.00020	.00087	.00061	.620	.0779	.00189
%RSD	.92016	.52069	2.6394	.35582	.84291	1.2782	4.7039
#1	.00145	.03816	.03189	.17034	72.907	6.0194	.03853
#2	.00142	.03828	.03350	.17155	73.748	6.0784	.03953
#3	.00144	.03855	.03326	.17101	74.118	6.1737	.04218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**6.7546**	**5.4354**	**.00043**	**.14382**	**.04458**	F **2731.3**	**.31761**
Stddev	.0359	.0335	.00006	.01589	.00121	11.2	.00165
%RSD	.53167	.61539	14.544	11.046	2.7236	.40888	.51871
#1	6.7228	5.3983	.00046	.12567	.04419	2743.1	.31574
#2	6.7474	5.4447	.00047	.15059	.04594	2720.8	.31824
#3	6.7936	5.4632	.00036	.15520	.04360	2730.1	.31885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045422 Acquired: 2/18/2011 18:02:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-68.823**	F **22.271**	F **-376.59**	**-.00254**	**.00614**	**89.771**	**.00371**
Stddev	5.966	.178	3.93	.00421	.00373	.666	.00018
%RSD	8.6688	.79762	1.0427	165.56	60.726	.74185	4.8943
#1	-62.131	22.223	-374.89	-.00145	.00913	90.402	.00358
#2	-70.754	22.122	-373.80	-.00719	.00196	89.836	.00392
#3	-73.585	22.467	-381.08	.00101	.00732	89.075	.00363
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05203**	**.09583**	**.00781**	**.04003**	**.54648**	**3.8584**
Stddev	.00020	.00232	.00051	.00031	.00347	.1111
%RSD	.39063	2.4221	6.5196	.76596	.63537	2.8784
#1	.05183	.09414	.00743	.03974	.54318	3.7756
#2	.05204	.09847	.00839	.04000	.54615	3.9846
#3	.05223	.09486	.00762	.04035	.55010	3.8149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78878.**	**58647.**
Stddev	201.	329.
%RSD	.25489	.56092
#1	79097.	58821.
#2	78835.	58853.
#3	78701.	58268.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 18:05:48 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38866**	**9.7098**	**.41287**	**.48262**	**1.0133**	**.04851**	**10.078**
Stddev	.00152	.0779	.00151	.00364	.0032	.00028	.028
%RSD	.39150	.80185	.36590	.75436	.31326	.57603	.27745
#1	.38895	9.6900	.41167	.48249	1.0114	.04847	10.050
#2	.38702	9.6438	.41238	.47905	1.0116	.04825	10.106
#3	.39002	9.7957	.41457	.48633	1.0170	.04881	10.078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05175**	**.20549**	**.48509**	**.50715**	**4.0504**	**50.439**	**1.0172**
Stddev	.00007	.00063	.00145	.00182	.0236	.303	.0035
%RSD	.13844	.30679	.29847	.35881	.58375	.60157	.34606
#1	.05167	.20484	.48531	.50530	4.0457	50.141	1.0174
#2	.05178	.20553	.48355	.50723	4.0294	50.428	1.0136
#3	.05180	.20610	.48642	.50893	4.0760	50.748	1.0206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.049**	**.50714**	**1.0172**	**50.740**	**.51438**	F **2.3033**	**.52115**
Stddev	.032	.00186	.0042	.179	.00108	11.598	.00241
%RSD	.31382	.36641	.40775	.35242	.21036	503.55	.46204
#1	10.042	.50519	1.0126	50.670	.51422	-9.5223	.52392
#2	10.021	.50733	1.0184	50.606	.51338	2.7719	.51967
#3	10.083	.50890	1.0207	50.943	.51553	13.660	.51984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 18:05:48 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.392**	**10.172**	F **13.769**	**1.2399**	**.41513**	F **4.0619**	**1.0256**
Stddev	18.133	.083	.486	.0037	.00350	.1222	.0022
%RSD	25.761	.81119	3.5260	.30008	.84401	3.0077	.21234
#1	-49.510	10.087	13.209	1.2378	.41215	3.9383	1.0232
#2	-82.161	10.252	14.063	1.2378	.41424	4.1826	1.0262
#3	-79.506	10.175	14.036	1.2442	.41899	4.0647	1.0275
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0112**	**1.0391**	**.51402**	**.96170**	**1.0114**	F **1.5409**
Stddev	.0024	.0031	.00177	.00408	.0029	.3252
%RSD	.23936	.30054	.34386	.42463	.28419	21.108
#1	1.0087	1.0356	.51264	.96242	1.0087	1.8785
#2	1.0115	1.0414	.51341	.95730	1.0111	1.2296
#3	1.0135	1.0403	.51601	.96537	1.0145	1.5145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76903.**	**56806.**
Stddev	319.	47.
%RSD	.41531	.08208
#1	76995.	56755.
#2	77166.	56845.
#3	76548.	56818.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 18:09:19 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00794**	**.00155**	**-.00077**	**-.00059**	**.00003**	**-.01258**
Stddev	.00037	.00281	.00198	.00080	.00021	.00002	.00218
%RSD	38.458	35.351	127.62	103.54	34.714	64.182	17.330
#1	.00068	-.01037	.00381	-.00120	-.00072	.00005	-.01451
#2	.00082	-.00487	.00014	.00015	-.00036	.00002	-.01022
#3	.00138	-.00858	.00069	-.00126	-.00070	.00002	-.01303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00002**	**-.00053**	**-.00103**	**.00057**	**-.01700**	**-.00238**
Stddev	.00010	.00005	.00075	.00023	.00514	.06602	.00401
%RSD	1880.5	251.81	142.06	22.894	905.77	388.29	168.07
#1	-.00004	.00004	-.00111	-.00085	-.00360	-.01489	.00157
#2	-.00006	-.00004	-.00079	-.00094	.00632	-.08405	-.00228
#3	.00012	-.00006	.00032	-.00129	-.00101	.04794	-.00644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01096**	**.00017**	**.00040**	**.02953**	**.00058**	F **.66331**	**.00391**
Stddev	.01041	.00079	.00008	.00539	.00022	7.4659	.00114
%RSD	94.968	449.59	19.247	18.248	37.391	1125.6	29.291
#1	-.02241	.00098	.00032	.02362	.00078	2.0991	.00353
#2	-.00206	.00013	.00039	.03417	.00062	-7.4162	.00300
#3	-.00842	-.00059	.00048	.03081	.00035	7.3071	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 18:09:19 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.794**	F **-.17544**	F **6.0831**	**-.00334**	**.00467**	**-.17195**	**.00048**
Stddev	3.313	.02614	1.4912	.00083	.00141	.15998	.00019
%RSD	9.2567	14.898	24.514	24.839	30.150	93.041	39.883
#1	-35.737	-.20511	7.3667	-.00243	.00401	-.25433	.00044
#2	-39.135	-.15583	4.4473	-.00354	.00629	.01244	.00068
#3	-32.509	-.16538	6.4352	-.00405	.00372	-.27395	.00031
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00035**	**.00189**	**.00001**	**.00007**	F **.60711**
Stddev	.00010	.00206	.00036	.00008	.00004	.17605
%RSD	833.04	596.34	18.778	897.69	51.066	28.999
#1	.00005	-.00176	.00175	.00008	.00011	.72426
#2	.00004	.00236	.00163	-.00008	.00004	.69241
#3	-.00013	.00044	.00230	.00002	.00007	.40465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78048.**	**56161.**
Stddev	451.	520.
%RSD	.57771	.92588
#1	77597.	56734.
#2	78499.	56028.
#3	78047.	55720.

Approved: February 21, 2011

Sample Name: PBS 4P Acquired: 2/18/2011 18:13:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356952-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00944**	**.00023**	**-.00171**	**-.00041**	**.00002**	**.13253**
Stddev	.00101	.00394	.00213	.00163	.00030	.00001	.01341
%RSD	90.163	41.665	941.80	95.160	73.283	45.913	10.117
#1	.00081	-.01362	.00077	-.00222	-.00053	.00003	.12377
#2	.00226	-.00581	.00203	-.00302	-.00063	.00001	.12586
#3	.00030	-.00891	-.00212	.00011	-.00007	.00002	.14797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00059**	**-.00020**	**-.00064**	**.00426**	**-.03704**	**-.00359**
Stddev	.00005	.00019	.00010	.00041	.00413	.02657	.00122
%RSD	156.00	32.868	49.624	64.855	96.993	71.725	34.092
#1	.00003	-.00070	-.00025	-.00028	-.00050	-.01674	-.00248
#2	.00009	-.00037	-.00026	-.00054	.00697	-.02727	-.00339
#3	-.00002	-.00070	-.00008	-.00109	.00631	-.06711	-.00490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05567**	**.00147**	**-.00019**	**.07159**	**.00171**	F **-20.146**	**.00344**
Stddev	.00602	.00056	.00035	.02127	.00042	10.758	.00183
%RSD	10.818	37.684	180.57	29.716	24.643	53.401	53.366
#1	.05155	.00208	-.00038	.05957	.00215	-14.763	.00200
#2	.06258	.00100	.00021	.09616	.00165	-13.142	.00281
#3	.05289	.00134	-.00041	.05906	.00132	-32.533	.00550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS 4P Acquired: 2/18/2011 18:13:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356952-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.492**	**.61767**	F **-12.636**	**-.00236**	**.00846**	**1.7975**	**.00131**
Stddev	8.938	.04475	1.998	.00123	.00180	.2846	.00008
%RSD	17.028	7.2449	15.809	52.346	21.234	15.833	5.9012
#1	-45.634	.58838	-10.430	-.00102	.00924	1.4691	.00124
#2	-62.601	.66919	-14.322	-.00259	.00640	1.9524	.00131
#3	-49.241	.59546	-13.155	-.00346	.00973	1.9712	.00139
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00207**	**-.00094**	**-.00001**	**.00222**	**.69771**
Stddev	.00011	.00197	.00127	.00048	.00003	.10382
%RSD	26.372	95.205	135.34	3972.1	1.2439	14.880
#1	.00054	.00345	.00050	-.00012	.00224	.63407
#2	.00035	-.00019	-.00192	-.00043	.00219	.64154
#3	.00036	.00294	-.00140	.00051	.00223	.81750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76633.**	**56249.**
Stddev	823.	350.
%RSD	1.0745	.62234
#1	77324.	56652.
#2	76853.	56077.
#3	75722.	56018.

Approved: February 21, 2011

Sample Name: LCSS 4P Acquired: 2/18/2011 18:16:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356952-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18802**	**-.01225**	**.19436**	**-.00022**	**-.00084**	**.00005**	**.01472**
Stddev	.00246	.00221	.00126	.00023	.00040	.00005	.01972
%RSD	1.3101	18.046	.64815	107.01	47.331	95.332	134.00
#1	.18595	-.01243	.19320	-.00040	-.00074	.00001	.02230
#2	.18738	-.00995	.19420	.00004	-.00051	.00010	.02953
#3	.19075	-.01436	.19570	-.00029	-.00128	.00004	-.00767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02475**	**-.00036**	**-.00012**	**.24944**	**-.00056**	**-.15449**	**.00078**
Stddev	.00006	.00004	.00009	.00077	.00346	.02530	.00232
%RSD	.24427	10.936	79.610	.30953	617.90	16.374	297.32
#1	.02472	-.00032	-.00002	.24855	-.00405	-.14083	.00032
#2	.02470	-.00039	-.00013	.24993	.00287	-.18368	-.00128
#3	.02482	-.00038	-.00021	.24984	-.00050	-.13897	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00799**	**.25802**	**-.00018**	**.02690**	**.00180**	F **-17.813**	**.26134**
Stddev	.00787	.00136	.00017	.01751	.00026	4.149	.00250
%RSD	98.535	.52894	92.945	65.103	14.180	23.295	.95606
#1	.00158	.25648	-.00026	.03087	.00152	-22.602	.25951
#2	.01677	.25907	-.00029	.00774	.00188	-15.284	.26033
#3	.00561	.25850	.00001	.04209	.00201	-15.553	.26419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS 4P Acquired: 2/18/2011 18:16:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356952-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.459**	**.00222**	**1.9852**	**-.00141**	**.00609**	**1.0961**	**.00037**
Stddev	10.009	.02052	1.4102	.00017	.00236	.1485	.00031
%RSD	24.739	924.89	71.037	12.206	38.833	13.549	82.738
#1	-51.241	.01061	1.5927	-.00125	.00835	.92619	.00024
#2	-31.464	.01721	3.5500	-.00159	.00627	1.1606	.00072
#3	-38.673	-.02117	.81277	-.00138	.00364	1.2014	.00015
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000						
Low Limit	-.00400						

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00029**	**-.00004**	**.00013**	**.00248**	**.33326**
Stddev	.00008	.00025	.00080	.00021	.00007	.15145
%RSD	161.49	87.161	1899.6	158.76	2.7239	45.446
#1	-.00014	-.00033	-.00084	.00004	.00249	.45274
#2	.00002	-.00052	-.00005	.00038	.00240	.16293
#3	-.00004	-.00002	.00076	-.00001	.00254	.38412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79348.**	**57069.**
Stddev	235.	264.
%RSD	.29666	.46226
#1	79353.	57316.
#2	79111.	57101.
#3	79581.	56791.

Approved: February 21, 2011

Sample Name: L1102044801 Acquired: 2/18/2011 18:20:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**38.896**	**.31025**	**.03987**	**.53164**	**.00270**	**44.664**
Stddev	.00110	.315	.00100	.00208	.00175	.00003	.110
%RSD	51.385	.80985	.32348	5.2275	.32906	.93869	.24618
#1	.00284	38.709	.31018	.03751	.53127	.00269	44.645
#2	.00272	38.720	.30929	.04063	.53355	.00268	44.783
#3	.00087	39.260	.31129	.04146	.53011	.00273	44.565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00459**	**.01714**	**.04362**	**.43586**	**64.228**	**11.093**	**.03613**
Stddev	.00021	.00015	.00055	.00121	.144	.072	.00096
%RSD	4.6218	.86153	1.2518	.27841	.22348	.64757	2.6642
#1	.00454	.01698	.04384	.43477	64.243	11.166	.03642
#2	.00441	.01714	.04300	.43562	64.364	11.022	.03692
#3	.00483	.01728	.04403	.43717	64.078	11.091	.03506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4502**	**2.0667**	**.00292**	**.75886**	**.03204**	F **4225.1**	**.57823**
Stddev	.0093	.0065	.00024	.00714	.00075	5.7	.00229
%RSD	.12469	.31203	8.2022	.94058	2.3350	.13464	.39550
#1	7.4609	2.0686	.00278	.76625	.03158	4218.5	.57617
#2	7.4461	2.0720	.00320	.75831	.03164	4228.3	.58069
#3	7.4438	2.0596	.00279	.75201	.03290	4228.5	.57782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044801 Acquired: 2/18/2011 18:20:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-80.152**	F **99.854**	F **-1913.6**	**.00191**	**.00628**	**42.272**	**.01732**
Stddev	19.644	.154	7.6	.00170	.00220	.189	.00011
%RSD	24.509	.15425	.39715	88.697	35.094	.44786	.61780
#1	-66.822	99.695	-1906.0	.00164	.00597	42.344	.01733
#2	-102.71	99.865	-1913.6	.00037	.00862	42.416	.01721
#3	-70.923	100.00	-1921.2	.00373	.00424	42.058	.01743
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11483**	**.15396**	**.00562**	**.06738**	**.85454**	**14.571**
Stddev	.00033	.00153	.00207	.00041	.00145	.094
%RSD	.28670	.99692	36.786	.60689	.16927	.64509
#1	.11517	.15485	.00585	.06691	.85342	14.604
#2	.11481	.15218	.00756	.06760	.85403	14.465
#3	.11451	.15484	.00345	.06763	.85618	14.644
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80090.**	**60539.**
Stddev	468.	559.
%RSD	.58474	.92320
#1	80542.	61043.
#2	80122.	60635.
#3	79607.	59938.

Approved: February 21, 2011

Sample Name: L1102044801PS Acquired: 2/18/2011 18:23:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356995-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19841**	**41.797**	**.50595**	**1.0151**	**1.0249**	**.02714**	**48.460**
Stddev	.00090	.118	.00307	.0012	.0027	.00009	.008
%RSD	.45350	.28269	.60585	.11644	.26079	.31759	.01563
#1	.19820	41.678	.50242	1.0137	1.0219	.02708	48.457
#2	.19940	41.798	.50795	1.0156	1.0259	.02724	48.468
#3	.19763	41.914	.50748	1.0159	1.0270	.02711	48.454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03064**	**.11938**	**.28268**	**.67104**	**64.439**	**36.278**	**.54410**
Stddev	.00015	.00027	.00181	.00280	.137	.134	.00290
%RSD	.48904	.22831	.63917	.41676	.21230	.36809	.53240
#1	.03053	.11914	.28065	.67387	64.284	36.129	.54294
#2	.03059	.11932	.28329	.67097	64.544	36.320	.54740
#3	.03081	.11968	.28411	.66828	64.489	36.386	.54196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.268**	**2.2501**	**.52296**	**26.829**	**.28569**	F **4146.8**	**.81468**
Stddev	.008	.0030	.00123	.104	.00164	20.6	.00183
%RSD	.06341	.13397	.23601	.38586	.57519	.49572	.22509
#1	12.275	2.2466	.52433	26.713	.28680	4131.4	.81286
#2	12.260	2.2518	.52264	26.864	.28646	4138.8	.81464
#3	12.268	2.2518	.52192	26.911	.28380	4170.1	.81653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044801PS Acquired: 2/18/2011 18:23:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356995-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.398**	F **101.32**	F **-1834.3**	**.60966**	**.21159**	F **343.18**	**.01791**
Stddev	8.835	.20	8.5	.00206	.00173	1.03	.00037
%RSD	12.731	.19306	.46115	.33817	.81836	.30118	2.0833
#1	-78.239	101.54	-1840.9	.60874	.21321	342.77	.01758
#2	-60.569	101.23	-1837.3	.60821	.20976	342.42	.01831
#3	-69.385	101.17	-1824.8	.61202	.21179	344.36	.01783
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61549**	**.66110**	**.25971**	**.55369**	**1.3422**	**14.874**
Stddev	.00071	.00188	.00135	.00184	.0009	.080
%RSD	.11529	.28411	.51918	.33309	.06449	.53449
#1	.61598	.66110	.25878	.55180	1.3424	14.791
#2	.61581	.65921	.25909	.55380	1.3412	14.949
#3	.61467	.66297	.26126	.55548	1.3429	14.884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78117.**	**58142.**
Stddev	164.	359.
%RSD	.20994	.61813
#1	78301.	58389.
#2	77986.	58306.
#3	78065.	57729.

Approved: February 21, 2011

Sample Name: L1102044801SDL Acquired: 2/18/2011 18:27:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: ~~5~~ 25 Custom ID2: Custom ID3:
Comment: WG356995-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00149**	**8.0729**	**.06340**	**.00882**	**.10310**	**.00055**	**8.6822**
Stddev	.00133	.0740	.00089	.00136	.00022	.00002	.0276
%RSD	89.214	.91656	1.3983	15.432	.21394	3.2529	.31766
#1	.00085	7.9894	.06399	.00767	.10336	.00053	8.6527
#2	.00061	8.1304	.06238	.01033	.10299	.00055	8.6866
#3	.00303	8.0989	.06383	.00848	.10296	.00056	8.7073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00354**	**.00823**	**.08765**	**12.575**	**2.1183**	**.00345**
Stddev	.00008	.00029	.00051	.00018	.011	.0434	.00063
%RSD	10.589	8.1813	6.2455	.20204	.08810	2.0464	18.107
#1	.00082	.00385	.00771	.08771	12.568	2.0924	.00346
#2	.00084	.00327	.00825	.08745	12.569	2.1683	.00282
#3	.00069	.00351	.00873	.08779	12.588	2.0941	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4802**	**.40679**	**.00095**	**.17185**	**.00699**	**833.89**	**.11945**
Stddev	.0156	.00100	.00018	.01009	.00111	4.42	.00117
%RSD	1.0515	.24527	18.391	5.8700	15.851	.52950	.97692
#1	1.4861	.40574	.00088	.17105	.00615	836.21	.12037
#2	1.4625	.40690	.00115	.18232	.00658	836.66	.11984
#3	1.4919	.40772	.00083	.16219	.00825	828.80	.11814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044801SDL Acquired: 2/18/2011 18:27:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: ~~5~~ 25 Custom ID2: Custom ID3:
Comment: WG356995-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-46.521**	F **19.909**	F **-365.84**	**-.00384**	**.00272**	**7.8633**	**.00305**
Stddev	16.840	.171	3.34	.00182	.00084	.1585	.00015
%RSD	36.198	.86068	.91334	47.478	30.982	2.0153	4.9873
#1	-64.720	19.752	-363.57	-.00569	.00263	7.8886	.00318
#2	-43.353	19.883	-364.27	-.00204	.00193	8.0076	.00288
#3	-31.491	20.092	-369.67	-.00378	.00360	7.6937	.00308
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02199**	**.02960**	**.00252**	**.01344**	**.17438**	**2.8426**
Stddev	.00020	.00152	.00019	.00069	.00073	.0754
%RSD	.92783	5.1288	7.6245	5.1329	.41831	2.6538
#1	.02181	.02870	.00235	.01271	.17355	2.8923
#2	.02195	.03136	.00247	.01408	.17493	2.7558
#3	.02221	.02875	.00273	.01354	.17465	2.8798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78954.**	**57442.**
Stddev	1312.	257.
%RSD	1.6611	.44685
#1	78350.	57737.
#2	78054.	57319.
#3	80459.	57269.

Approved: February 21, 2011

Sample Name: L1102044801SDL Acquired: 2/18/2011 18:30:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: ~~5~~ 125 Custom ID2: Custom ID3:
Comment: WG356995-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**1.5629**	**.01369**	**.00068**	**.01967**	**.00010**	**1.7033**
Stddev	.00038	.0077	.00137	.00113	.00008	.00001	.0113
%RSD	26.295	.49191	10.033	164.69	.41079	14.451	.66407
#1	.00162	1.5714	.01502	.00195	.01975	.00011	1.7146
#2	.00102	1.5566	.01377	.00030	.01969	.00009	1.7033
#3	.00172	1.5605	.01227	-.00020	.01959	.00010	1.6920
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00068**	**.00089**	**.01560**	**2.4462**	**.36245**	**.00027**
Stddev	.00008	.00012	.00017	.00055	.0068	.03011	.00176
%RSD	317.25	17.612	18.660	3.5217	.27874	8.3076	648.11
#1	.00001	.00058	.00108	.01543	2.4478	.33670	-.00176
#2	.00011	.00081	.00080	.01516	2.4521	.39556	.00113
#3	-.00005	.00064	.00078	.01622	2.4388	.35508	.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29220**	**.07982**	**-.00024**	**.06632**	**.00227**	**139.66**	**.02728**
Stddev	.02646	.00024	.00014	.01995	.00046	7.66	.00170
%RSD	9.0539	.30669	57.760	30.085	20.220	5.4870	6.2209
#1	.26246	.07993	-.00012	.08881	.00275	131.44	.02590
#2	.30105	.07998	-.00021	.05939	.00183	146.61	.02677
#3	.31310	.07954	-.00039	.05075	.00225	140.95	.02918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102044801SDL Acquired: 2/18/2011 18:30:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: ~~5~~ 125 Custom ID2: Custom ID3:
Comment: WG356995-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.563**	**3.5179**	F **-60.646**	**-.00458**	**.00382**	**.73758**	**.00036**
Stddev	13.715	.0395	3.656	.00086	.00285	.08657	.00019
%RSD	23.420	1.1228	6.0278	18.810	74.519	11.737	53.053
#1	-42.750	3.5580	-63.998	-.00475	.00067	.63802	.00015
#2	-65.716	3.4791	-56.749	-.00534	.00622	.79512	.00041
#3	-67.223	3.5167	-61.192	-.00364	.00457	.77960	.00051
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00420**	**.00523**	**.00360**	**.00272**	**.03434**	**.95125**
Stddev	.00012	.00009	.00095	.00027	.00018	.07669
%RSD	2.9573	1.6605	26.325	10.024	.52261	8.0619
#1	.00406	.00519	.00305	.00268	.03420	.99467
#2	.00430	.00533	.00469	.00302	.03428	.99638
#3	.00422	.00517	.00305	.00248	.03454	.86270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81790.**	**59416.**
Stddev	265.	437.
%RSD	.32376	.73558
#1	81503.	59203.
#2	82026.	59919.
#3	81841.	59126.

Approved: February 21, 2011

Sample Name: L1102044802 Acquired: 2/18/2011 18:34:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01653**	**59.370**	**.13533**	**.10896**	**1.2874**	**.00324**	**287.54**
Stddev	.00034	.386	.00313	.00129	.0006	.00002	.54
%RSD	2.0542	.64973	2.3155	1.1863	.04671	.51253	.18663
#1	.01614	58.928	.13286	.10896	1.2881	.00324	286.98
#2	.01667	59.546	.13428	.10767	1.2870	.00325	287.59
#3	.01678	59.636	.13886	.11025	1.2871	.00322	288.05
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02950**	**.04079**	**.09440**	**9.4988**	**213.07**	**11.662**	**.08020**
Stddev	.00016	.00014	.00090	.0224	.13	.046	.00309
%RSD	.54327	.34361	.94869	.23584	.05969	.39361	3.8527
#1	.02967	.04066	.09339	9.4783	212.93	11.666	.07826
#2	.02936	.04078	.09508	9.4954	213.07	11.706	.07857
#3	.02947	.04094	.09474	9.5227	213.19	11.614	.08376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.054**	**17.144**	**.01560**	**1.1624**	**.09006**	F **11543.**	**3.5702**
Stddev	.073	.032	.00037	.0060	.00031	32.	.0083
%RSD	.33324	.18384	2.3608	.51265	.34469	.27617	.23177
#1	22.004	17.110	.01576	1.1626	.09008	11520.	3.5744
#2	22.021	17.149	.01586	1.1564	.08974	11530.	3.5607
#3	22.139	17.173	.01518	1.1683	.09036	11579.	3.5756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044802 Acquired: 2/18/2011 18:34:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-93.350**	F **865.82**	F **-20513.**	**.01664**	**.04373**	**74.386**	**.11403**
Stddev	2.247	3.05	95.	.00170	.00274	.467	.00024
%RSD	2.4075	.35275	.46357	10.224	6.2662	.62837	.20898
#1	-93.995	863.18	-20435.	.01845	.04320	74.115	.11426
#2	-95.204	865.11	-20486.	.01642	.04670	74.117	.11378
#3	-90.850	869.16	-20619.	.01506	.04129	74.926	.11406
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28464**	**.22712**	**.02259**	**.10942**	**5.6007**	**17.840**
Stddev	.00024	.00037	.00095	.00132	.0118	.224
%RSD	.08589	.16256	4.2232	1.2022	.20987	1.2557
#1	.28448	.22716	.02349	.10872	5.5891	17.599
#2	.28492	.22673	.02159	.10859	5.6004	17.881
#3	.28452	.22746	.02267	.11093	5.6126	18.041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78984.**	**60292.**
Stddev	53.	308.
%RSD	.06714	.51070
#1	78938.	60619.
#2	79042.	60007.
#3	78973.	60250.

Approved: February 21, 2011

Sample Name: L1102044803 Acquired: 2/18/2011 18:37:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**57.373**	**.11106**	**.08814**	**1.0746**	**.00239**	**398.88**
Stddev	.00062	.118	.00265	.00143	.0033	.00003	.38
%RSD	4.4780	.20544	2.3895	1.6228	.30854	1.1397	.09644
#1	.01437	57.502	.11276	.08965	1.0732	.00237	398.43
#2	.01321	57.347	.10800	.08680	1.0722	.00238	399.12
#3	.01420	57.271	.11243	.08798	1.0784	.00242	399.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01572**	**.02890**	**.07960**	**3.4874**	**123.84**	**9.2841**	**.14097**
Stddev	.00006	.00038	.00076	.0109	.31	.0371	.00311
%RSD	.38625	1.3193	.95632	.31287	.25382	.40005	2.2038
#1	.01569	.02928	.07911	3.4982	123.73	9.3205	.14161
#2	.01568	.02852	.07922	3.4764	123.59	9.2855	.13759
#3	.01579	.02891	.08048	3.4876	124.19	9.2463	.14371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**75.745**	**10.615**	**.00355**	**.44585**	**.05604**	F **8998.4**	**2.1997**
Stddev	.125	.010	.00006	.01057	.00072	34.5	.0143
%RSD	.16517	.09754	1.7829	2.3697	1.2775	.38348	.64934
#1	75.603	10.603	.00352	.43871	.05537	9034.9	2.2162
#2	75.795	10.619	.00350	.45799	.05679	8966.3	2.1906
#3	75.837	10.622	.00362	.44086	.05596	8994.1	2.1924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044803 Acquired: 2/18/2011 18:37:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-91.431**	F **2760.5**	F **-85171.**	**.00771**	**.01513**	**55.282**	**.05431**
Stddev	6.162	6.9	226.	.00226	.00123	.544	.00020
%RSD	6.7399	.25117	.26565	29.261	8.1615	.98377	.36297
#1	-84.397	2767.6	-85387.	.00553	.01616	55.452	.05432
#2	-95.881	2753.8	-84936.	.00756	.01376	54.674	.05410
#3	-94.014	2760.0	-85191.	.01003	.01547	55.721	.05449
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79225**	**1.0022**	**.01415**	**.07752**	**2.8344**	**29.609**
Stddev	.00177	.0022	.00059	.00112	.0104	.238
%RSD	.22373	.22456	4.1601	1.4487	.36604	.80238
#1	.79127	1.0028	.01387	.07741	2.8458	29.856
#2	.79430	.99969	.01375	.07646	2.8255	29.589
#3	.79119	1.0041	.01483	.07870	2.8320	29.383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77525.**	**60413.**
Stddev	230.	97.
%RSD	.29719	.15981
#1	77360.	60474.
#2	77788.	60463.
#3	77426.	60301.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 18:41:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37601**	**9.3253**	**.40002**	**.46612**	**.98343**	**.04665**	**9.8030**
Stddev	.00041	.0340	.00136	.00155	.00527	.00009	.0555
%RSD	.10868	.36513	.34039	.33239	.53592	.18301	.56640
#1	.37582	9.3449	.40095	.46759	.97735	.04675	9.7401
#2	.37574	9.2860	.40066	.46626	.98618	.04659	9.8239
#3	.37648	9.3451	.39846	.46450	.98676	.04661	9.8451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05013**	**.19907**	**.46452**	**.49069**	**3.9186**	**49.028**	**.98689**
Stddev	.00025	.00042	.00090	.00041	.0247	.262	.00622
%RSD	.50054	.20945	.19293	.08365	.63046	.53535	.62987
#1	.05015	.19938	.46468	.49093	3.8901	48.729	.97974
#2	.04987	.19860	.46356	.49022	3.9310	49.135	.99102
#3	.05038	.19924	.46533	.49093	3.9346	49.220	.98991
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7638**	**.49225**	**.98409**	**49.164**	**.49913**	F **-.03567**	**.50468**
Stddev	.0658	.00365	.00086	.315	.00205	10.289	.00203
%RSD	.67362	.74191	.08767	.64163	.41156	28847.	.40144
#1	9.6929	.48804	.98474	48.800	.49967	-5.9221	.50568
#2	9.7757	.49455	.98311	49.364	.49686	11.845	.50602
#3	9.8228	.49416	.98442	49.327	.50087	-6.0297	.50235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 18:41:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.934**	**9.8707**	F **11.365**	**1.2003**	**.40312**	F **4.0152**	**.99098**
Stddev	11.812	.0535	2.468	.0013	.00222	.1694	.00060
%RSD	16.652	.54175	21.713	.10836	.55179	4.2178	.06017
#1	-84.571	9.8636	8.5185	1.2018	.40328	3.8375	.99167
#2	-63.927	9.8212	12.903	1.1994	.40082	4.1747	.99071
#3	-64.304	9.9274	12.672	1.1998	.40526	4.0336	.99057
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98481**	**1.0089**	**.50096**	**.93043**	**.97848**	F **2.1434**
Stddev	.00532	.0092	.00158	.00254	.00084	.1039
%RSD	.54018	.91578	.31441	.27320	.08590	4.8472
#1	.97938	.99829	.49931	.93336	.97852	2.2620
#2	.98505	1.0149	.50114	.92883	.97762	2.0682
#3	.99001	1.0136	.50245	.92910	.97930	2.1001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79352.**	**59249.**
Stddev	142.	184.
%RSD	.17845	.31053
#1	79268.	59400.
#2	79515.	59303.
#3	79272.	59044.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 18:44:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**-.01714**	**.00227**	**-.00086**	**-.00093**	**.00006**	**.01561**
Stddev	.00008	.00222	.00078	.00040	.00027	.00001	.00464
%RSD	6.8783	12.952	34.423	46.415	29.383	19.882	29.746
#1	.00107	-.01858	.00169	-.00120	-.00064	.00006	.02017
#2	.00122	-.01458	.00197	-.00042	-.00118	.00007	.01089
#3	.00115	-.01825	.00316	-.00094	-.00096	.00004	.01578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**-.00011**	**-.00063**	**-.00108**	**-.00215**	**-.05065**	**-.00025**
Stddev	.00004	.00012	.00037	.00057	.00614	.06210	.00305
%RSD	33.737	107.49	58.508	52.866	285.53	122.61	1243.2
#1	-.00007	-.00011	-.00036	-.00174	-.00263	-.03167	.00074
#2	-.00010	.00001	-.00048	-.00073	.00422	-.00025	-.00367
#3	-.00014	-.00022	-.00104	-.00078	-.00804	-.12003	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00040**	**.00044**	**.05855**	**.00067**	F **-8.1369**	**.00260**
Stddev	.02270	.00042	.00001	.01841	.00069	9.2245	.00294
%RSD	4934.2	105.46	2.5665	31.441	103.97	113.37	112.99
#1	-.01973	.00044	.00043	.07896	.00118	1.6051	.00475
#2	.02457	-.00004	.00045	.05348	.00093	-16.738	-.00075
#3	-.00622	.00079	.00044	.04321	-.00012	-9.2779	.00380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 18:44:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.170**	F **-.14783**	F **6.4934**	**-.00303**	**.00569**	**-.25858**	**.00056**
Stddev	13.359	.05616	1.9839	.00157	.00537	.20001	.00018
%RSD	28.322	37.988	30.552	51.882	94.417	77.349	32.636
#1	-58.471	-.20604	8.7777	-.00455	.00694	-.48025	.00052
#2	-50.613	-.14345	5.2028	-.00141	.01032	-.20388	.00076
#3	-32.426	-.09398	5.4997	-.00314	-.00020	-.09161	.00041
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00061**	**.00181**	**-.00010**	**.00014**	F **.54411**
Stddev	.00017	.00250	.00084	.00048	.00004	.17261
%RSD	75.440	406.83	46.215	484.13	30.957	31.724
#1	-.00019	.00010	.00147	-.00023	.00017	.34988
#2	-.00040	.00333	.00276	-.00050	.00009	.60250
#3	-.00007	-.00159	.00119	.00043	.00015	.67996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79173.**	**58627.**
Stddev	1024.	293.
%RSD	1.2929	.49994
#1	80248.	58899.
#2	79060.	58317.
#3	78210.	58666.

Approved: February 21, 2011

Sample Name: L1102044804 Acquired: 2/18/2011 18:48:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**52.780**	**.04920**	**.06746**	**.71272**	**.00448**	**50.542**
Stddev	.00062	.717	.00174	.00120	.00752	.00006	.497
%RSD	13.035	1.3593	3.5275	1.7794	1.0550	1.3594	.98411
#1	.00510	51.953	.04720	.06644	.70452	.00441	50.055
#2	.00403	53.154	.05025	.06715	.71435	.00452	50.523
#3	.00509	53.233	.05016	.06878	.71929	.00451	51.049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00675**	**.04677**	**.06475**	**2.9076**	**130.69**	**8.9714**	**.06333**
Stddev	.00012	.00055	.00046	.0336	1.42	.1095	.00121
%RSD	1.8341	1.1856	.70453	1.1572	1.0886	1.2210	1.9083
#1	.00689	.04631	.06423	2.8773	129.18	8.8522	.06443
#2	.00664	.04663	.06496	2.9016	130.87	8.9946	.06203
#3	.00672	.04739	.06507	2.9438	132.01	9.0675	.06352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**14.546**	**2.5920**	**.00533**	**.39994**	**.06739**	F **7062.1**	**2.8704**
Stddev	.199	.0249	.00005	.01029	.00134	78.2	.0355
%RSD	1.3676	.96168	.96149	2.5723	1.9914	1.1075	1.2360
#1	14.334	2.5666	.00532	.39625	.06625	6988.5	2.8384
#2	14.576	2.5928	.00529	.41156	.06706	7053.6	2.8642
#3	14.728	2.6165	.00539	.39200	.06887	7144.2	2.9085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044804 Acquired: 2/18/2011 18:48:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.631**	F **193.86**	F **-4950.9**	**.07147**	**.01621**	**61.104**	**.12047**
Stddev	16.992	2.14	55.1	.00401	.00197	.488	.00142
%RSD	28.980	1.1039	1.1139	5.6086	12.147	.79873	1.1778
#1	-63.257	191.89	-4900.9	.06955	.01447	60.653	.11991
#2	-72.831	193.56	-4941.7	.06878	.01582	61.035	.11942
#3	-39.806	196.14	-5010.0	.07608	.01835	61.622	.12209
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20855**	**.09981**	**.00492**	**.05467**	**1.3583**	**14.304**
Stddev	.00218	.00176	.00081	.00080	.0152	.369
%RSD	1.0446	1.7642	16.418	1.4605	1.1181	2.5778
#1	.20662	.09975	.00431	.05376	1.3452	13.884
#2	.20812	.09808	.00462	.05500	1.3547	14.450
#3	.21091	.10160	.00584	.05524	1.3750	14.576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80091.**	**58726.**
Stddev	391.	164.
%RSD	.48832	.27925
#1	79667.	58913.
#2	80437.	58658.
#3	80170.	58606.

Approved: February 21, 2011

Sample Name: L1102044805 Acquired: 2/18/2011 18:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01527**	**52.258**	**.07593**	**.08817**	**2.8514**	**.00466**	**167.34**
Stddev	.00117	.264	.00122	.00184	.0225	.00006	1.62
%RSD	7.6395	.50579	1.6030	2.0825	.78944	1.2072	.96714
#1	.01437	51.956	.07501	.09019	2.8280	.00460	165.88
#2	.01659	52.372	.07731	.08661	2.8535	.00470	167.07
#3	.01485	52.447	.07547	.08770	2.8729	.00469	169.08
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01642**	**.04350**	**.09789**	**3.7510**	**132.57**	**11.562**	**.06602**
Stddev	.00048	.00073	.00046	.0669	1.04	.078	.00200
%RSD	2.9025	1.6883	.46798	1.7848	.78185	.67357	3.0266
#1	.01600	.04288	.09747	3.6834	131.52	11.497	.06372
#2	.01631	.04331	.09838	3.7523	132.60	11.542	.06726
#3	.01694	.04431	.09783	3.8173	133.59	11.649	.06708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.019**	**3.1506**	**.00550**	**1.2723**	**.06703**	F **12008.**	**5.7544**
Stddev	.124	.0289	.00028	.0124	.00047	188.	.0829
%RSD	.77564	.91671	5.0416	.97618	.69524	1.5640	1.4399
#1	15.880	3.1239	.00519	1.2822	.06649	11838.	5.6822
#2	16.055	3.1466	.00559	1.2583	.06727	11977.	5.7361
#3	16.121	3.1812	.00572	1.2763	.06732	12209.	5.8449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102044805 Acquired: 2/18/2011 18:52:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-78.456**	F **1269.6**	F **-38915.**	**.02086**	**.01551**	**68.238**	**.21003**
Stddev	14.934	20.8	633.	.00223	.00370	.980	.00389
%RSD	19.035	1.6356	1.6269	10.704	23.831	1.4359	1.8518
#1	-61.426	1248.5	-38295.	.02265	.01504	67.373	.20619
#2	-84.620	1270.1	-38889.	.01836	.01208	68.038	.20995
#3	-89.322	1290.1	-39560.	.02157	.01942	69.302	.21397
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5057**	**.15912**	**.00698**	**.06542**	**4.8543**	**18.637**
Stddev	.0157	.00062	.00131	.00059	.0862	.132
%RSD	1.0406	.38981	18.713	.90897	1.7767	.70857
#1	1.4911	.15929	.00547	.06476	4.7673	18.784
#2	1.5038	.15843	.00780	.06560	4.8559	18.529
#3	1.5223	.15964	.00766	.06591	4.9398	18.598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77562.**	**58779.**
Stddev	639.	161.
%RSD	.82337	.27416
#1	78299.	58625.
#2	77179.	58766.
#3	77208.	58947.

Approved: February 21, 2011

Sample Name: L1102045501 Acquired: 2/18/2011 18:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**50.626**	**.02002**	**.05013**	**.76843**	**.00628**	**14.189**
Stddev	.00059	.159	.00030	.00070	.00201	.00005	.046
%RSD	17.361	.31308	1.4833	1.3954	.26149	.74050	.32281
#1	.00407	50.798	.01997	.05091	.77041	.00627	14.211
#2	.00303	50.596	.01974	.04993	.76848	.00634	14.219
#3	.00308	50.485	.02033	.04955	.76639	.00625	14.136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00352**	**.04457**	**.07676**	**.50186**	**103.25**	**11.989**	**.08937**
Stddev	.00009	.00008	.00030	.00215	.45	.076	.00159
%RSD	2.5429	.17391	.38692	.42814	.43309	.63184	1.7824
#1	.00359	.04466	.07651	.49971	103.66	12.063	.08846
#2	.00356	.04452	.07709	.50401	103.31	11.993	.09121
#3	.00342	.04453	.07669	.50187	102.78	11.911	.08843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.9248**	**3.7970**	**.00203**	**.56286**	**.06289**	F **7478.0**	**1.0368**
Stddev	.0440	.0114	.00041	.00582	.00042	13.1	.0029
%RSD	.55486	.30114	20.276	1.0347	.67322	.17520	.28066
#1	7.9537	3.8003	.00166	.56343	.06240	7465.9	1.0335
#2	7.9465	3.8064	.00247	.56837	.06317	7476.0	1.0377
#3	7.8742	3.7842	.00197	.55677	.06310	7491.9	1.0392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045501 Acquired: 2/18/2011 18:55:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.030**	F **62.362**	F **-1689.2**	**.00039**	**.00656**	**47.984**	**.03170**
Stddev	17.091	.021	4.3	.00314	.00410	.436	.00056
%RSD	24.758	.03331	.25168	809.40	62.535	.90785	1.7658
#1	-54.387	62.353	-1689.7	.00219	.00513	47.605	.03106
#2	-64.894	62.347	-1693.2	.00221	.01119	48.460	.03195
#3	-87.809	62.386	-1684.7	-.00324	.00336	47.886	.03209
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09300**	**.26358**	**.00804**	**.08163**	**.89674**	**10.341**
Stddev	.00016	.00185	.00080	.00007	.00163	.099
%RSD	.17205	.70111	9.9340	.08399	.18196	.95877
#1	.09283	.26207	.00738	.08171	.89496	10.240
#2	.09315	.26301	.00893	.08162	.89712	10.343
#3	.09303	.26564	.00783	.08157	.89816	10.439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79575.**	**58274.**
Stddev	219.	188.
%RSD	.27496	.32286
#1	79808.	58122.
#2	79542.	58216.
#3	79375.	58485.

Approved: February 21, 2011

Sample Name: L1102045502 Acquired: 2/18/2011 18:58:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**56.386**	**.01854**	**.05388**	**.75487**	**.00691**	**10.959**
Stddev	.00058	.227	.00145	.00055	.00164	.00002	.029
%RSD	23.573	.40292	7.8334	1.0150	.21779	.25499	.26859
#1	.00307	56.602	.01983	.05406	.75301	.00691	10.926
#2	.00244	56.149	.01881	.05326	.75550	.00688	10.970
#3	.00191	56.406	.01697	.05431	.75611	.00692	10.982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**.04719**	**.08295**	**.37705**	**112.91**	**13.332**	**.10183**
Stddev	.00005	.00007	.00101	.00081	.37	.154	.00369
%RSD	2.6416	.14933	1.2145	.21356	.32861	1.1560	3.6237
#1	.00206	.04727	.08381	.37791	112.50	13.243	.09827
#2	.00201	.04716	.08184	.37691	113.00	13.243	.10158
#3	.00196	.04714	.08320	.37632	113.22	13.510	.10563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.3955**	**4.0925**	**.00169**	**.38709**	**.06741**	F **8248.9**	**.74659**
Stddev	.0104	.0132	.00022	.00397	.00009	32.4	.00249
%RSD	.12365	.32251	13.223	1.0257	.13405	.39275	.33363
#1	8.3964	4.0775	.00163	.38297	.06751	8248.4	.74807
#2	8.3847	4.0976	.00150	.39090	.06737	8216.7	.74371
#3	8.4054	4.1024	.00193	.38739	.06734	8281.5	.74798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045502 Acquired: 2/18/2011 18:58:59 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.665**	F **34.230**	F **-796.91**	**-.00040**	**.00680**	**43.141**	**.02286**
Stddev	9.243	.054	2.67	.00347	.00397	.305	.00031
%RSD	16.908	.15777	.33525	871.83	58.362	.70692	1.3494
#1	-47.961	34.199	-798.60	.00337	.00253	43.305	.02258
#2	-65.209	34.293	-798.29	-.00345	.01038	42.789	.02319
#3	-50.825	34.200	-793.83	-.00112	.00749	43.329	.02283
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10233**	**.28505**	**.00767**	**.09183**	**.68580**	**10.913**
Stddev	.00024	.00129	.00155	.00067	.00120	.093
%RSD	.23471	.45085	20.254	.73115	.17511	.84854
#1	.10207	.28412	.00590	.09200	.68715	11.010
#2	.10239	.28652	.00880	.09109	.68484	10.906
#3	.10253	.28451	.00831	.09240	.68542	10.825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78575.**	**57131.**
Stddev	1504.	411.
%RSD	1.9137	.71883
#1	77183.	57182.
#2	78372.	57514.
#3	80170.	56697.

Approved: February 21, 2011

Sample Name: L1102045503 Acquired: 2/18/2011 19:02:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00433**	**42.542**	**.02735**	**.06688**	**1.5056**	**.00753**	**73.096**
Stddev	.00023	.095	.00208	.00094	.0074	.00001	.306
%RSD	5.2927	.22307	7.6034	1.4099	.49366	.19507	.41904
#1	.00454	42.455	.02761	.06579	1.4970	.00753	72.743
#2	.00437	42.527	.02929	.06748	1.5092	.00752	73.294
#3	.00408	42.643	.02515	.06736	1.5105	.00755	73.250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01770**	**.05497**	**.09096**	**.75586**	**112.41**	**10.429**	**.05572**
Stddev	.00005	.00045	.00010	.00511	.55	.101	.00058
%RSD	.25569	.82496	.11535	.67658	.48765	.97135	1.0378
#1	.01765	.05451	.09101	.75122	111.78	10.328	.05517
#2	.01774	.05541	.09084	.76134	112.69	10.531	.05568
#3	.01771	.05500	.09103	.75501	112.77	10.427	.05632
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6627**	**8.4969**	**.00449**	**.62301**	**.06509**	F **10146.**	**1.7318**
Stddev	.0487	.0391	.00013	.01364	.00105	103.	.0187
%RSD	.50385	.46070	2.8750	2.1897	1.6097	1.0104	1.0778
#1	9.6070	8.4521	.00457	.61503	.06399	10030.	1.7108
#2	9.6971	8.5248	.00434	.61523	.06519	10224.	1.7465
#3	9.6841	8.5137	.00455	.63876	.06608	10184.	1.7380
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045503 Acquired: 2/18/2011 19:02:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-75.219**	F **202.82**	F **-4495.1**	**-.00094**	**.01218**	**57.697**	**.06724**
Stddev	16.068	1.37	27.2	.00288	.00196	.660	.00023
%RSD	21.362	.67601	.60554	306.51	16.089	1.1445	.33613
#1	-89.502	201.44	-4467.2	-.00309	.01379	57.467	.06714
#2	-78.333	204.18	-4521.6	-.00207	.01277	58.441	.06750
#3	-57.821	202.85	-4496.5	.00234	.01000	57.182	.06709
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16212**	**.21029**	**.01170**	**.06812**	**4.8477**	**2.7587**
Stddev	.00047	.00381	.00116	.00070	.0395	.3119
%RSD	.28960	1.8108	9.8780	1.0239	.81397	11.306
#1	.16164	.20589	.01041	.06757	4.8034	3.0162
#2	.16257	.21258	.01265	.06790	4.8793	2.8481
#3	.16217	.21239	.01204	.06891	4.8603	2.4119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81650.**	**60220.**
Stddev	308.	102.
%RSD	.37722	.16999
#1	81995.	60112.
#2	81552.	60230.
#3	81403.	60316.

Approved: February 21, 2011

Sample Name: L1102045504 Acquired: 2/18/2011 19:05:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00619**	**49.853**	**.02770**	**.06653**	**1.8212**	**.00657**	**41.900**
Stddev	.00074	.578	.00277	.00134	.0179	.00011	.487
%RSD	11.911	1.1597	10.004	2.0115	.98429	1.6793	1.1621
#1	.00593	49.311	.02967	.06689	1.8024	.00646	41.374
#2	.00561	49.787	.02891	.06505	1.8231	.00657	41.992
#3	.00702	50.462	.02453	.06765	1.8381	.00668	42.334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00685**	**.04505**	**.07785**	**.72631**	**100.17**	**12.984**	**.08066**
Stddev	.00007	.00054	.00066	.01266	1.00	.154	.00436
%RSD	1.0798	1.2015	.85270	1.7430	.99912	1.1884	5.4053
#1	.00676	.04446	.07741	.71314	99.118	12.807	.08051
#2	.00689	.04515	.07753	.72739	100.29	13.064	.07637
#3	.00689	.04553	.07862	.73839	101.11	13.082	.08509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3658**	**4.8932**	**.00358**	**.75110**	**.06398**	F **29669.**	**2.3186**
Stddev	.0943	.0544	.00041	.00502	.00119	524.	.0348
%RSD	1.0070	1.1122	11.323	.66873	1.8654	1.7667	1.4996
#1	9.2835	4.8388	.00369	.75481	.06266	29166.	2.2856
#2	9.3452	4.8931	.00314	.75310	.06432	29629.	2.3151
#3	9.4687	4.9477	.00393	.74538	.06497	30212.	2.3549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045504 Acquired: 2/18/2011 19:05:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-76.159**	F **130.79**	F **-3004.6**	**.00216**	**.01086**	**54.690**	**.10837**
Stddev	18.156	2.05	46.2	.00319	.00111	1.123	.00199
%RSD	23.839	1.5666	1.5393	147.58	10.245	2.0531	1.8380
#1	-95.080	128.78	-2957.2	.00583	.01071	53.824	.10654
#2	-58.881	130.71	-3007.1	.00016	.00983	54.287	.10808
#3	-74.516	132.88	-3049.6	.00049	.01204	55.958	.11049
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33966**	**.34126**	**.00780**	**.08389**	**2.3197**	**5.6098**
Stddev	.00394	.00331	.00128	.00101	.0385	.0362
%RSD	1.1613	.97045	16.378	1.2064	1.6600	.64528
#1	.33559	.33762	.00926	.08290	2.2813	5.5985
#2	.33991	.34204	.00688	.08384	2.3195	5.5806
#3	.34347	.34410	.00726	.08492	2.3583	5.6503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81764.**	**59814.**
Stddev	124.	41.
%RSD	.15211	.06776
#1	81806.	59780.
#2	81862.	59859.
#3	81624.	59802.

Approved: February 21, 2011

Sample Name: L1102045505 Acquired: 2/18/2011 19:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**36.157**	**.02557**	**.05216**	**1.0132**	**.00508**	**28.806**
Stddev	.00026	.351	.00177	.00078	.0056	.00007	.300
%RSD	7.7460	.97122	6.9414	1.4930	.54857	1.3988	1.0408
#1	.00308	35.844	.02372	.05135	1.0083	.00500	28.524
#2	.00359	36.090	.02726	.05222	1.0120	.00510	28.772
#3	.00343	36.537	.02573	.05290	1.0192	.00514	29.121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**.03819**	**.06816**	**.57469**	**91.127**	**10.726**	**.06960**
Stddev	.00007	.00046	.00062	.01000	.688	.098	.00215
%RSD	.92854	1.2144	.90696	1.7405	.75543	.90930	3.0959
#1	.00712	.03774	.06760	.56545	90.491	10.619	.07192
#2	.00723	.03817	.06805	.57331	91.032	10.747	.06766
#3	.00725	.03866	.06882	.58531	91.858	10.810	.06921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**8.0838**	**3.4164**	**.00283**	**.25610**	**.05606**	F **13749.**	**1.4001**
Stddev	.0852	.0310	.00012	.01079	.00061	167.	.0173
%RSD	1.0541	.90711	4.3017	4.2142	1.0918	1.2179	1.2383
#1	7.9943	3.3861	.00283	.24415	.05566	13582.	1.3809
#2	8.0934	3.4150	.00295	.25903	.05676	13748.	1.4050
#3	8.1639	3.4480	.00271	.26513	.05575	13917.	1.4145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045505 Acquired: 2/18/2011 19:09:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-71.440**	F **102.01**	F **-2520.8**	**.00299**	**.01088**	**43.411**	**.05325**
Stddev	8.928	1.56	42.3	.00052	.00505	.829	.00071
%RSD	12.498	1.5304	1.6766	17.327	46.453	1.9100	1.3352
#1	-81.749	100.46	-2482.7	.00246	.01343	42.490	.05295
#2	-66.345	102.00	-2513.3	.00349	.00506	43.645	.05274
#3	-66.225	103.58	-2566.3	.00301	.01416	44.099	.05406
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17790**	**.22569**	**.00676**	**.07347**	**1.7469**	**5.5987**
Stddev	.00174	.00132	.00090	.00073	.0246	.0613
%RSD	.97991	.58419	13.349	.99538	1.4100	1.0950
#1	.17645	.22526	.00724	.07270	1.7224	5.5644
#2	.17742	.22464	.00732	.07355	1.7468	5.5623
#3	.17984	.22717	.00572	.07416	1.7716	5.6695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80748.**	**60474.**
Stddev	530.	298.
%RSD	.65592	.49256
#1	81259.	60585.
#2	80782.	60701.
#3	80202.	60137.

Approved: February 21, 2011

Sample Name: L1102045506 Acquired: 2/18/2011 19:12:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03762**	**84.587**	**.52019**	**.11706**	**1.0226**	**.00697**	**135.81**
Stddev	.00031	1.392	.00222	.00115	.0083	.00006	.88
%RSD	.82712	1.6453	.42719	.98332	.80996	.79941	.64760
#1	.03729	84.849	.51780	.11582	1.0132	.00692	134.84
#2	.03791	83.082	.52057	.11728	1.0259	.00696	136.01
#3	.03765	85.829	.52219	.11810	1.0287	.00703	136.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10015**	**.15380**	**.11445**	**60.406**	**197.06**	**9.1650**	**.06763**
Stddev	.00069	.00070	.00046	.334	1.53	.0456	.00346
%RSD	.68420	.45643	.40329	.55365	.77419	.49786	5.1226
#1	.09952	.15311	.11434	60.058	195.35	9.1292	.06431
#2	.10006	.15377	.11495	60.434	197.58	9.2163	.07123
#3	.10088	.15451	.11405	60.725	198.26	9.1494	.06736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.428**	**27.636**	**.01005**	**.45135**	**.13295**	F **18106.**	**9.1197**
Stddev	.162	.186	.00010	.01583	.00061	88.	.0619
%RSD	.61225	.67235	.94974	3.5077	.45602	.48812	.67880
#1	26.245	27.432	.01016	.43904	.13246	18037.	9.0666
#2	26.485	27.680	.00997	.46921	.13363	18076.	9.1048
#3	26.553	27.796	.01003	.44579	.13277	18206.	9.1877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045506 Acquired: 2/18/2011 19:12:55 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-86.920**	F **830.21**	F **-24589.**	**.03528**	**.05881**	**86.630**	**.13605**
Stddev	17.949	3.26	76.	.00254	.00192	.274	.00101
%RSD	20.650	.39288	.30982	7.1908	3.2689	.31625	.74078
#1	-82.886	826.93	-24501.	.03238	.05985	86.360	.13549
#2	-106.54	830.24	-24624.	.03711	.05659	86.621	.13544
#3	-71.331	833.46	-24641.	.03634	.05998	86.908	.13721
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40588**	**.49052**	**.03645**	**.21934**	**6.2191**	**20.848**
Stddev	.00275	.00348	.00127	.00162	.0396	.378
%RSD	.67847	.70908	3.4715	.73732	.63736	1.8112
#1	.40280	.48768	.03711	.21900	6.1802	20.592
#2	.40675	.48948	.03499	.21791	6.2177	21.282
#3	.40809	.49440	.03724	.22109	6.2595	20.670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78735.**	**60066.**
Stddev	118.	157.
%RSD	.15008	.26218
#1	78868.	59911.
#2	78641.	60226.
#3	78695.	60059.

Approved: February 21, 2011

Sample Name: L1102045507 Acquired: 2/18/2011 19:16:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03033**	**93.992**	**.28554**	**.11409**	**1.2379**	**.00803**	**135.10**
Stddev	.00137	1.852	.00577	.00255	.0090	.00013	1.39
%RSD	4.5272	1.9701	2.0207	2.2336	.72862	1.5650	1.0320
#1	.02911	92.636	.28072	.11173	1.2286	.00792	133.62
#2	.03006	93.239	.28398	.11376	1.2386	.00800	135.30
#3	.03182	96.102	.29193	.11679	1.2466	.00817	136.39
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06059**	**.08883**	**.14132**	**25.558**	**154.97**	**12.517**	**.06920**
Stddev	.00070	.00096	.00319	.238	1.32	.118	.00295
%RSD	1.1556	1.0848	2.2557	.93159	.84902	.93921	4.2628
#1	.05984	.08784	.13823	25.330	153.65	12.451	.06602
#2	.06073	.08888	.14115	25.539	154.98	12.448	.07186
#3	.06122	.08977	.14460	25.805	156.28	12.653	.06971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.989**	**33.777**	**.00739**	**.61915**	**.12405**	F **16899.**	**8.5328**
Stddev	.315	.319	.00014	.00394	.00111	173.	.1058
%RSD	1.1249	.94446	1.8429	.63587	.89526	1.0208	1.2398
#1	27.664	33.440	.00755	.62369	.12301	16721.	8.4251
#2	28.010	33.816	.00732	.61702	.12393	16911.	8.5368
#3	28.293	34.074	.00731	.61673	.12522	17066.	8.6365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045507 Acquired: 2/18/2011 19:16:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-84.105**	F **799.09**	F **-23363.**	**.01920**	**.04000**	**53.118**	**.08992**
Stddev	10.799	7.35	169.	.00128	.00564	.272	.00051
%RSD	12.840	.92007	.72403	6.6781	14.104	.51154	.56418
#1	-88.819	792.03	-23199.	.01774	.04565	52.952	.08943
#2	-91.746	798.55	-23353.	.01973	.03437	53.432	.08989
#3	-71.750	806.70	-23537.	.02014	.03999	52.970	.09044
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69428**	**.53839**	**.04079**	**.28905**	**5.8048**	**25.988**
Stddev	.00733	.00453	.00199	.00538	.0592	.410
%RSD	1.0555	.84125	4.8880	1.8609	1.0191	1.5767
#1	.68624	.53323	.03918	.28480	5.7474	25.664
#2	.69602	.54169	.04302	.28725	5.8015	25.851
#3	.70058	.54026	.04016	.29510	5.8656	26.448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77529.**	**58736.**
Stddev	143.	679.
%RSD	.18396	1.1565
#1	77388.	59354.
#2	77673.	58845.
#3	77526.	58009.

Approved: February 21, 2011

Sample Name: L1102045508 Acquired: 2/18/2011 19:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02762**	**74.352**	**.30899**	**.10132**	**1.4331**	**.00485**	**256.51**
Stddev	.00118	1.989	.00180	.00134	.0129	.00018	2.08
%RSD	4.2582	2.6749	.58289	1.3262	.90007	3.6764	.81244
#1	.02717	72.612	.30990	.10150	1.4197	.00465	254.17
#2	.02674	73.925	.30692	.09989	1.4341	.00489	257.21
#3	.02896	76.520	.31016	.10256	1.4455	.00500	258.16
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07571**	**.12067**	**.11147**	**36.548**	**154.58**	**10.528**	**.07222**
Stddev	.00084	.00134	.00373	.422	1.24	.093	.00168
%RSD	1.1093	1.1065	3.3482	1.1555	.80306	.87891	2.3274
#1	.07489	.11936	.10780	36.117	153.27	10.430	.07048
#2	.07569	.12062	.11136	36.566	154.73	10.540	.07233
#3	.07657	.12203	.11526	36.961	155.74	10.614	.07384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.381**	**21.718**	**.01162**	**.37226**	**.10616**	F **23618.**	**8.8077**
Stddev	.238	.147	.00017	.00581	.00163	281.	.0976
%RSD	.71314	.67566	1.4317	1.5615	1.5366	1.1894	1.1079
#1	33.108	21.558	.01154	.36625	.10451	23316.	8.7080
#2	33.489	21.747	.01151	.37267	.10620	23665.	8.8122
#3	33.545	21.847	.01181	.37786	.10777	23872.	8.9030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045508 Acquired: 2/18/2011 19:20:01 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.377**	F **735.49**	F **-16501.**	**.02660**	**.03826**	**63.655**	**.11987**
Stddev	9.246	10.22	256.	.00147	.00335	1.127	.00117
%RSD	13.137	1.3894	1.5527	5.5181	8.7678	1.7713	.97566
#1	-77.896	725.05	-16238.	.02657	.03544	62.693	.11880
#2	-73.183	735.94	-16516.	.02515	.04197	63.376	.11969
#3	-60.054	745.47	-16749.	.02808	.03736	64.896	.12112
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24383**	**.60124**	**.02815**	**.17703**	**5.3617**	**13.971**
Stddev	.00128	.00252	.00107	.00624	.0591	.199
%RSD	.52433	.41890	3.7872	3.5228	1.1030	1.4272
#1	.24239	.59851	.02693	.17167	5.3012	13.789
#2	.24424	.60174	.02859	.17555	5.3646	13.938
#3	.24485	.60347	.02892	.18388	5.4194	14.184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78654.**	**57198.**
Stddev	684.	320.
%RSD	.86984	.55883
#1	77966.	57533.
#2	78660.	57163.
#3	79334.	56896.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 19:23:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37883**	**9.4555**	**.40429**	**.46950**	**.99109**	**.04730**	**9.8925**
Stddev	.00452	.1356	.00356	.00755	.00343	.00062	.0077
%RSD	1.1923	1.4339	.88168	1.6080	.34585	1.3082	.07791
#1	.37376	9.3018	.40813	.46094	.98769	.04659	9.8882
#2	.38029	9.5064	.40109	.47233	.99454	.04756	9.9014
#3	.38244	9.5583	.40364	.47522	.99105	.04774	9.8879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05068**	**.20096**	**.47072**	**.49503**	**3.9872**	**49.142**	**.99239**
Stddev	.00008	.00075	.00667	.00187	.0118	.185	.00302
%RSD	.15517	.37121	1.4172	.37820	.29481	.37678	.30405
#1	.05076	.20171	.46319	.49548	3.9847	48.937	.98905
#2	.05066	.20022	.47311	.49298	3.9999	49.297	.99491
#3	.05061	.20095	.47587	.49664	3.9768	49.191	.99322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8695**	**.50020**	**.99184**	**49.518**	**.50387**	F **13.975**	**.51402**
Stddev	.0450	.00198	.00243	.207	.00169	5.036	.00188
%RSD	.45572	.39629	.24470	.41710	.33635	36.038	.36547
#1	9.8176	.49945	.99313	49.309	.50476	8.4655	.51608
#2	9.8944	.50245	.98904	49.722	.50191	15.119	.51239
#3	9.8966	.49871	.99335	49.523	.50493	18.342	.51360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 19:23:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-76.824**	**9.9595**	**9.7681**	**1.2168**	**.40438**	F **3.9552**	**1.0012**
Stddev	2.913	.0534	2.6914	.0028	.00337	.2140	.0022
%RSD	3.7915	.53655	27.553	.22804	.83273	5.4111	.22218
#1	-76.949	10.020	7.3061	1.2200	.40529	3.8499	1.0025
#2	-79.673	9.9413	9.3565	1.2152	.40065	3.8142	.99860
#3	-73.851	9.9175	12.642	1.2152	.40720	4.2014	1.0024
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000					5.0000	
Range	-10.000%					-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98658**	**1.0289**	**.50382**	**.93301**	**.98878**	F **1.6127**
Stddev	.00356	.0035	.00191	.01348	.00208	.1975
%RSD	.36117	.34275	.37835	1.4453	.21047	12.249
#1	.98266	1.0249	.50504	.91777	.99009	1.5099
#2	.98963	1.0314	.50162	.93784	.98638	1.4877
#3	.98744	1.0305	.50479	.94340	.98987	1.8404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80160.**	**59453.**
Stddev	248.	410.
%RSD	.30949	.68916
#1	79905.	59915.
#2	80401.	59135.
#3	80176.	59308.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 19:27:10 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.01612**	**.00175**	**-.00141**	**-.00128**	**.00006**	**.03665**
Stddev	.00103	.00310	.00093	.00138	.00025	.00001	.00822
%RSD	107.99	19.219	53.329	98.347	19.928	9.2878	22.421
#1	.00099	-.01676	.00069	-.00297	-.00145	.00006	.03580
#2	.00197	-.01275	.00213	-.00091	-.00098	.00005	.04526
#3	-.00009	-.01884	.00244	-.00034	-.00140	.00006	.02889
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00014**	**-.00086**	**-.00033**	**.00891**	**-.08739**	**-.00031**
Stddev	.00016	.00020	.00060	.00053	.00115	.01385	.00041
%RSD	2101.9	141.45	69.685	162.83	12.896	15.849	131.11
#1	.00015	-.00010	-.00045	.00027	.00920	-.10285	-.00053
#2	-.00017	.00003	-.00059	-.00075	.00764	-.08319	.00016
#3	.00000	-.00037	-.00155	-.00050	.00987	-.07612	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00181**	**.00028**	**.00034**	**.05307**	**.00115**	F **-6.8236**	**.00207**
Stddev	.02949	.00032	.00017	.01915	.00072	6.1490	.00261
%RSD	1630.9	114.01	48.586	36.078	62.927	90.114	125.83
#1	-.03583	.00063	.00036	.07407	.00073	-3.2710	.00486
#2	.01652	.00000	.00017	.04853	.00074	-13.924	-.00032
#3	.01389	.00022	.00050	.03660	.00198	-3.2759	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 19:27:10 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-71.062**	F **-.10863**	F **3.8092**	**-.00401**	**.00129**	**-.10549**	**.00094**
Stddev	11.417	.01807	.9524	.00034	.00464	.25801	.00037
%RSD	16.066	16.639	25.003	8.4976	361.34	244.58	39.418
#1	-81.599	-.11702	4.0327	-.00388	.00002	-.39350	.00054
#2	-72.653	-.12098	4.6299	-.00440	.00643	-.02751	.00126
#3	-58.933	-.08788	2.7649	-.00376	-.00260	.10453	.00101
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00097**	**.00163**	**.00012**	**.00016**	F **.74002**
Stddev	.00033	.00091	.00046	.00017	.00010	.06833
%RSD	254.92	93.562	28.202	135.45	62.684	9.2336
#1	.00019	.00171	.00198	.00031	.00006	.76195
#2	-.00010	-.00004	.00111	.00006	.00017	.66342
#3	-.00047	.00124	.00181	.00000	.00026	.79469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80940.**	**60329.**
Stddev	159.	298.
%RSD	.19656	.49315
#1	81124.	60431.
#2	80846.	59994.
#3	80851.	60563.

Approved: February 21, 2011

Sample Name: L1102045509 Acquired: 2/18/2011 19:30:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02695**	**74.963**	**.30735**	**.11584**	**1.2467**	**.00440**	**229.25**
Stddev	.00061	.411	.00386	.00273	.0091	.00002	1.82
%RSD	2.2573	.54821	1.2563	2.3538	.73275	.51986	.79434
#1	.02697	74.506	.30322	.11359	1.2372	.00441	227.45
#2	.02634	75.082	.30796	.11887	1.2476	.00438	229.20
#3	.02756	75.302	.31087	.11507	1.2555	.00442	231.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06458**	**.10621**	**.10437**	**32.647**	**141.20**	**11.988**	**.07267**
Stddev	.00080	.00117	.00108	.390	.87	.072	.00147
%RSD	1.2401	1.0991	1.0372	1.1953	.61812	.59784	2.0249
#1	.06375	.10505	.10357	32.233	140.28	11.939	.07436
#2	.06465	.10618	.10394	32.699	141.31	11.955	.07171
#3	.06535	.10739	.10560	33.008	142.01	12.071	.07193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.863**	**20.901**	**.01012**	**.52137**	**.10209**	F **18803.**	**10.660**
Stddev	.181	.147	.00020	.01076	.00103	232.	.132
%RSD	.55050	.70388	1.9883	2.0646	1.0123	1.2318	1.2388
#1	32.693	20.755	.00990	.52592	.10152	18563.	10.521
#2	32.843	20.899	.01030	.52911	.10146	18822.	10.674
#3	33.053	21.049	.01015	.50907	.10328	19025.	10.784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045509 Acquired: 2/18/2011 19:30:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-95.541**	F **688.63**	F **-15865.**	**.03269**	**.04168**	**59.744**	**.14791**
Stddev	12.999	7.40	164.	.00184	.00063	.637	.00154
%RSD	13.606	1.0742	1.0330	5.6242	1.5129	1.0658	1.0405
#1	-108.36	680.88	-15693.	.03368	.04141	59.042	.14622
#2	-82.369	689.40	-15884.	.03056	.04240	59.906	.14827
#3	-95.894	695.62	-16019.	.03381	.04123	60.284	.14924
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34885**	**.75519**	**.02819**	**.15815**	**5.4167**	**14.333**
Stddev	.00252	.00884	.00066	.00027	.0657	.432
%RSD	.72375	1.1701	2.3510	.17037	1.2120	3.0133
#1	.34643	.74629	.02743	.15796	5.3473	13.834
#2	.34865	.75533	.02859	.15802	5.4249	14.575
#3	.35147	.76396	.02856	.15845	5.4779	14.589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78451.**	**61079.**
Stddev	260.	274.
%RSD	.33201	.44799
#1	78748.	60766.
#2	78262.	61197.
#3	78343.	61273.

Approved: February 21, 2011

Sample Name: L1102045510 Acquired: 2/18/2011 19:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01423**	**60.638**	**.12550**	**.07722**	**.74991**	**.00429**	**379.15**
Stddev	.00016	.976	.00245	.00232	.00735	.00007	4.67
%RSD	1.1544	1.6092	1.9520	2.9982	.98016	1.6167	1.2323
#1	.01438	59.548	.12278	.07593	.74256	.00423	374.08
#2	.01405	60.935	.12619	.07585	.74992	.00428	380.09
#3	.01425	61.431	.12752	.07990	.75726	.00437	383.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02596**	**.04875**	**.07916**	**10.684**	**88.967**	**9.5763**	**.06837**
Stddev	.00045	.00070	.00139	.191	1.101	.1419	.00269
%RSD	1.7456	1.4332	1.7503	1.7864	1.2375	1.4815	3.9390
#1	.02563	.04810	.07792	10.501	87.851	9.4405	.07146
#2	.02578	.04866	.07891	10.668	88.997	9.5650	.06648
#3	.02648	.04949	.08065	10.882	90.052	9.7235	.06718
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.579**	**15.549**	**.00647**	**.30799**	**.07563**	F **12009.**	**5.2038**
Stddev	.313	.190	.00031	.01046	.00147	183.	.0882
%RSD	1.2222	1.2228	4.8489	3.3973	1.9441	1.5211	1.6950
#1	25.236	15.341	.00656	.29654	.07432	11829.	5.1144
#2	25.650	15.592	.00612	.31706	.07534	12003.	5.2064
#3	25.849	15.714	.00673	.31036	.07722	12194.	5.2907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045510 Acquired: 2/18/2011 19:34:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-90.988**	F **626.46**	F **-7790.7**	**.01430**	**.02895**	**61.425**	**.05096**
Stddev	6.918	11.57	141.1	.00193	.00348	1.353	.00089
%RSD	7.6035	1.8471	1.8105	13.512	12.015	2.2034	1.7483
#1	-98.405	615.11	-7658.0	.01273	.02523	60.325	.05007
#2	-89.847	626.03	-7775.3	.01371	.02948	61.013	.05095
#3	-84.711	638.24	-7938.8	.01646	.03213	62.936	.05185
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32690**	**.33632**	**.02023**	**.12786**	**2.5424**	**15.216**
Stddev	.00335	.00331	.00090	.00256	.0458	.296
%RSD	1.0250	.98563	4.4244	1.9984	1.8016	1.9469
#1	.32320	.33251	.02118	.12516	2.4972	14.898
#2	.32779	.33794	.02010	.12816	2.5412	15.267
#3	.32972	.33852	.01941	.13024	2.5888	15.484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78393.**	**59941.**
Stddev	355.	360.
%RSD	.45222	.60050
#1	78775.	60315.
#2	78331.	59910.
#3	78074.	59597.

Approved: February 21, 2011

Sample Name: L1102045511 Acquired: 2/18/2011 19:37:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00397**	**63.091**	**.05420**	**.05271**	**.71904**	**.00422**	**83.571**
Stddev	.00122	1.134	.00123	.00056	.00846	.00004	.815
%RSD	30.848	1.7973	2.2699	1.0664	1.1770	.87199	.97478
#1	.00262	61.793	.05372	.05239	.71029	.00418	82.710
#2	.00427	63.589	.05559	.05336	.71967	.00424	83.675
#3	.00502	63.890	.05328	.05239	.72718	.00424	84.329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**.03933**	**.04403**	**2.4967**	**94.831**	**17.336**	**.07918**
Stddev	.00006	.00074	.00045	.0520	1.106	.238	.00079
%RSD	.78011	1.8915	1.0215	2.0845	1.1663	1.3744	.99395
#1	.00707	.03863	.04372	2.4453	93.681	17.080	.08007
#2	.00717	.03924	.04455	2.4954	94.926	17.376	.07887
#3	.00716	.04011	.04383	2.5493	95.887	17.552	.07859
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.853**	**3.4150**	**.00746**	**.38395**	**.05525**	F **7317.5**	**.82971**
Stddev	.171	.0348	.00028	.02518	.00113	147.9	.01615
%RSD	.90896	1.0197	3.6902	6.5579	2.0501	2.0216	1.9459
#1	18.664	3.3770	.00724	.39219	.05421	7173.6	.81520
#2	18.899	3.4226	.00777	.35569	.05510	7309.6	.82683
#3	18.997	3.4453	.00738	.40399	.05646	7469.2	.84710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045511 Acquired: 2/18/2011 19:37:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-76.118**	F **305.78**	F **-7623.2**	**.00276**	**.00794**	**48.455**	**.01425**
Stddev	11.626	6.72	158.5	.00052	.00263	1.356	.00061
%RSD	15.274	2.1966	2.0789	18.847	33.090	2.7994	4.2980
#1	-87.480	298.71	-7453.7	.00222	.00922	47.255	.01413
#2	-64.245	306.57	-7648.4	.00326	.00967	48.183	.01370
#3	-76.627	312.07	-7767.6	.00279	.00491	49.926	.01491
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12480**	**.14080**	**.00636**	**.06571**	**.85146**	**25.266**
Stddev	.00124	.00222	.00235	.00078	.01713	.424
%RSD	.99114	1.5741	36.943	1.1822	2.0114	1.6765
#1	.12354	.13855	.00659	.06482	.83479	24.789
#2	.12486	.14087	.00390	.06601	.85058	25.410
#3	.12601	.14298	.00858	.06629	.86901	25.598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79706.**	**59406.**
Stddev	418.	398.
%RSD	.52457	.67035
#1	79444.	59842.
#2	80188.	59062.
#3	79486.	59314.

Approved: February 21, 2011

Sample Name: L1102045512 Acquired: 2/18/2011 19:41:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**61.694**	**.04305**	**.04843**	**.83936**	**.00521**	**51.622**
Stddev	.00072	.582	.00314	.00122	.00697	.00008	.501
%RSD	25.059	.94374	7.2878	2.5171	.83064	1.5463	.97024
#1	.00204	61.022	.04338	.04702	.83293	.00512	51.065
#2	.00336	62.045	.04602	.04923	.83838	.00526	51.766
#3	.00317	62.016	.03977	.04902	.84677	.00526	52.036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**.04224**	**.03497**	**1.8752**	**104.19**	**12.656**	**.08338**
Stddev	.00005	.00047	.00056	.0237	.84	.106	.00276
%RSD	1.0042	1.1127	1.6019	1.2637	.80978	.83978	3.3054
#1	.00478	.04177	.03437	1.8508	103.38	12.534	.08075
#2	.00488	.04226	.03506	1.8766	104.14	12.707	.08314
#3	.00486	.04270	.03548	1.8981	105.06	12.727	.08624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.387**	**2.8747**	**.01064**	**.51159**	**.05862**	F **5462.8**	**.87788**
Stddev	.162	.0308	.00012	.01806	.00120	62.8	.00592
%RSD	.93452	1.0725	1.1722	3.5294	2.0532	1.1493	.67452
#1	17.215	2.8395	.01078	.49104	.05803	5400.2	.87392
#2	17.407	2.8876	.01054	.51882	.05782	5462.4	.87503
#3	17.538	2.8970	.01059	.52492	.06000	5525.8	.88468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045512 Acquired: 2/18/2011 19:41:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-86.257**	F **246.81**	F **-6846.2**	**-.00072**	**.00759**	**58.772**	**.01081**
Stddev	17.724	3.60	96.6	.00212	.00182	1.342	.00023
%RSD	20.548	1.4589	1.4105	296.52	23.944	2.2840	2.1340
#1	-71.192	243.29	-6754.7	-.00311	.00631	57.482	.01070
#2	-105.79	246.64	-6836.8	.00003	.00967	58.673	.01066
#3	-81.792	250.49	-6947.1	.00093	.00680	60.161	.01108
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13222**	**.05162**	**.00542**	**.04364**	**.71883**	**16.282**
Stddev	.00137	.00213	.00115	.00058	.00843	.082
%RSD	1.0398	4.1336	21.253	1.3219	1.1733	.50149
#1	.13071	.04975	.00613	.04306	.71035	16.277
#2	.13254	.05394	.00604	.04366	.71893	16.203
#3	.13340	.05117	.00409	.04421	.72722	16.366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81570.**	**60611.**
Stddev	237.	134.
%RSD	.29029	.22111
#1	81681.	60743.
#2	81730.	60475.
#3	81298.	60615.

Approved: February 21, 2011

Sample Name: L1102045513 Acquired: 2/18/2011 19:44:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00525**	**47.581**	**.04927**	**.05038**	**.72265**	**.00368**	**60.506**
Stddev	.00117	.803	.00226	.00144	.01071	.00006	.804
%RSD	22.314	1.6869	4.5877	2.8509	1.4827	1.5796	1.3294
#1	.00655	46.840	.05035	.04899	.71276	.00366	59.639
#2	.00426	47.469	.05079	.05027	.72115	.00363	60.651
#3	.00495	48.433	.04667	.05186	.73403	.00374	61.229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00966**	**.04054**	**.04144**	**2.8514**	**79.557**	**10.520**	**.07548**
Stddev	.00026	.00090	.00044	.0469	1.152	.098	.00215
%RSD	2.7370	2.2281	1.0558	1.6453	1.4480	.92845	2.8443
#1	.00938	.03965	.04100	2.8062	78.461	10.411	.07533
#2	.00970	.04051	.04146	2.8481	79.453	10.549	.07770
#3	.00990	.04145	.04187	2.8999	80.758	10.600	.07341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.842**	**3.6859**	**.00545**	**.34254**	**.05906**	F **12371.**	**2.0363**
Stddev	.322	.0475	.00012	.00743	.00053	204.	.0349
%RSD	1.4721	1.2879	2.2550	2.1704	.90412	1.6492	1.7136
#1	21.496	3.6354	.00543	.35042	.05854	12167.	2.0004
#2	21.899	3.6929	.00534	.34153	.05902	12370.	2.0383
#3	22.131	3.7296	.00558	.33565	.05961	12575.	2.0701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045513 Acquired: 2/18/2011 19:44:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-86.964**	F **268.95**	F **-7249.0**	**.00214**	**.01084**	**37.002**	**.03860**
Stddev	15.059	3.91	96.4	.00407	.00189	.977	.00080
%RSD	17.317	1.4524	1.3300	190.41	17.455	2.6402	2.0819
#1	-103.37	265.10	-7153.9	-.00183	.01190	35.887	.03781
#2	-83.748	268.84	-7246.5	.00193	.01197	37.709	.03857
#3	-73.773	272.91	-7346.7	.00630	.00866	37.410	.03942
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13089**	**.10422**	**.00646**	**.04764**	**1.1923**	**14.265**
Stddev	.00165	.00129	.00049	.00082	.0200	.248
%RSD	1.2584	1.2337	7.5418	1.7116	1.6757	1.7401
#1	.12905	.10273	.00646	.04686	1.1728	13.999
#2	.13138	.10493	.00694	.04758	1.1914	14.304
#3	.13223	.10498	.00597	.04849	1.2127	14.491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**86943.**	**65608.**
Stddev	456.	599.
%RSD	.52429	.91268
#1	87280.	66075.
#2	87126.	65816.
#3	86425.	64933.

Approved: February 21, 2011

Sample Name: L1102045514 Acquired: 2/18/2011 19:48:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00710**	**53.982**	**.07980**	**.05686**	**1.2806**	**.00493**	**62.847**
Stddev	.00067	1.670	.00087	.00075	.0171	.00015	.749
%RSD	9.4744	3.0929	1.0932	1.3217	1.3339	2.9587	1.1914
#1	.00733	52.282	.07919	.05719	1.2629	.00477	62.046
#2	.00634	54.045	.07941	.05600	1.2818	.00496	62.965
#3	.00763	55.619	.08079	.05739	1.2970	.00505	63.530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.05960**	**.05087**	**6.8735**	**115.23**	**10.898**	**.08770**
Stddev	.00030	.00130	.00184	.1335	1.44	.147	.00277
%RSD	2.7532	2.1887	3.6249	1.9425	1.2460	1.3456	3.1602
#1	.01065	.05823	.04892	6.7395	113.73	10.735	.08542
#2	.01108	.05976	.05111	6.8745	115.39	10.940	.09078
#3	.01123	.06082	.05258	7.0065	116.59	11.019	.08689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.659**	**4.4822**	**.00706**	**.50826**	**.07837**	F **10997.**	**9.3693**
Stddev	.304	.0520	.00007	.00915	.00162	217.	.1959
%RSD	1.2862	1.1613	1.0484	1.7994	2.0626	1.9722	2.0913
#1	23.331	4.4266	.00699	.51880	.07683	10776.	9.1723
#2	23.714	4.4903	.00706	.50355	.07821	11007.	9.3714
#3	23.932	4.5298	.00713	.50243	.08005	11209.	9.5641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045514 Acquired: 2/18/2011 19:48:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-84.161**	F **346.08**	F **-9884.9**	**.00668**	**.01350**	**58.599**	**.04918**
Stddev	20.049	5.89	164.9	.00144	.00247	.885	.00066
%RSD	23.823	1.7016	1.6678	21.543	18.293	1.5103	1.3414
#1	-107.10	340.11	-9715.1	.00576	.01303	57.798	.04847
#2	-69.959	346.27	-9895.1	.00833	.01617	58.451	.04927
#3	-75.427	351.88	-10044.	.00593	.01129	59.549	.04978
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15535**	**.05100**	**.00619**	**.04107**	**1.3274**	**10.366**
Stddev	.00144	.00058	.00033	.00148	.0257	.305
%RSD	.92953	1.1278	5.3613	3.6141	1.9347	2.9386
#1	.15373	.05112	.00599	.03973	1.3025	10.152
#2	.15585	.05038	.00658	.04080	1.3261	10.231
#3	.15648	.05151	.00602	.04266	1.3538	10.715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79505.**	**59129.**
Stddev	402.	985.
%RSD	.50543	1.6666
#1	79115.	60241.
#2	79918.	58777.
#3	79483.	58367.

Approved: February 21, 2011

Sample Name: L1102045515 Acquired: 2/18/2011 19:51:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356952-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**51.637**	**.08058**	**.06660**	**1.4936**	**.00511**	**85.795**
Stddev	.00031	.823	.00081	.00111	.0122	.00004	1.029
%RSD	3.1290	1.5934	1.0042	1.6632	.81792	.73822	1.1993
#1	.00988	51.002	.08004	.06714	1.4813	.00513	84.685
#2	.00961	51.342	.08151	.06732	1.4938	.00507	85.984
#3	.01023	52.567	.08019	.06532	1.5057	.00514	86.716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01341**	**.04464**	**.05121**	**6.3227**	**119.17**	**13.292**	**.08411**
Stddev	.00013	.00082	.00063	.1106	1.11	.097	.00092
%RSD	.98882	1.8257	1.2386	1.7495	.92910	.72922	1.0972
#1	.01327	.04373	.05110	6.2127	118.08	13.180	.08320
#2	.01342	.04488	.05064	6.3214	119.13	13.346	.08505
#3	.01354	.04531	.05190	6.4339	120.30	13.351	.08409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.058**	**3.6471**	**.00823**	**.50066**	**.05985**	F **10704.**	**3.5022**
Stddev	.291	.0423	.00023	.01404	.00176	222.	.0697
%RSD	1.0751	1.1596	2.8071	2.8047	2.9452	2.0749	1.9901
#1	26.743	3.6022	.00797	.50221	.05835	10481.	3.4341
#2	27.114	3.6528	.00839	.48591	.05942	10707.	3.4991
#3	27.317	3.6862	.00834	.51386	.06179	10925.	3.5734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045515 Acquired: 2/18/2011 19:51:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356952-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.713**	F **463.10**	F **-13168.**	**.00659**	**.01684**	**48.413**	**.07231**
Stddev	9.866	6.98	180.	.00173	.00299	.842	.00106
%RSD	14.789	1.5066	1.3698	26.245	17.750	1.7389	1.4642
#1	-74.562	456.33	-12991.	.00472	.01592	47.457	.07143
#2	-69.940	462.70	-13159.	.00692	.02018	48.741	.07203
#3	-55.637	470.27	-13352.	.00813	.01442	49.041	.07349
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29599**	**.08470**	**.00699**	**.05150**	**1.6976**	**12.949**
Stddev	.00344	.00294	.00129	.00019	.0318	.278
%RSD	1.1615	3.4681	18.502	.36558	1.8704	2.1505
#1	.29223	.08166	.00808	.05133	1.6664	12.684
#2	.29678	.08493	.00556	.05145	1.6964	13.239
#3	.29897	.08752	.00733	.05170	1.7299	12.924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80190.**	**60062.**
Stddev	193.	210.
%RSD	.24095	.34970
#1	80374.	60225.
#2	80207.	60137.
#3	79989.	59825.

Approved: February 21, 2011

Sample Name: L1102045515S Acquired: 2/18/2011 19:55:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356952-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04887**	**49.330**	**.13090**	**.06915**	**1.5418**	**.00537**	**93.683**
Stddev	.00017	.045	.00154	.00201	.0156	.00004	.924
%RSD	.34711	.09030	1.1780	2.9038	1.0084	.81100	.98619
#1	.04905	49.298	.13139	.06683	1.5254	.00538	92.734
#2	.04871	49.381	.13213	.07032	1.5438	.00541	93.736
#3	.04885	49.311	.12917	.07030	1.5563	.00532	94.580
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02001**	**.04850**	**.05222**	**6.7257**	**128.24**	**12.613**	**.08413**
Stddev	.00030	.00034	.00061	.0739	1.31	.117	.00108
%RSD	1.4805	.69104	1.1701	1.0993	1.0205	.92916	1.2862
#1	.01971	.04812	.05153	6.6502	126.85	12.494	.08489
#2	.02002	.04863	.05269	6.7289	128.41	12.615	.08461
#3	.02030	.04875	.05243	6.7979	129.45	12.729	.08289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.612**	**4.0847**	**.00845**	**.51728**	**.06254**	F **11487.**	**3.7864**
Stddev	.295	.0373	.00019	.00872	.00113	143.	.0431
%RSD	1.0313	.91400	2.2890	1.6853	1.8143	1.2416	1.1388
#1	28.285	4.0449	.00866	.51412	.06142	11350.	3.7430
#2	28.692	4.0902	.00827	.52713	.06369	11478.	3.7869
#3	28.859	4.1190	.00841	.51058	.06253	11634.	3.8292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045515S Acquired: 2/18/2011 19:55:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356952-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.807**	F **480.61**	F **-13534.**	**.00478**	**.01600**	**60.826**	**.06126**
Stddev	22.760	6.50	195.	.00194	.00250	1.253	.00089
%RSD	34.068	1.3519	1.4386	40.641	15.652	2.0593	1.4447
#1	-67.544	474.25	-13341.	.00504	.01707	59.683	.06041
#2	-89.189	480.35	-13529.	.00272	.01314	60.629	.06119
#3	-43.687	487.24	-13730.	.00659	.01779	62.165	.06217
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31408**	**.07166**	**.00590**	**.05132**	**1.8037**	**11.910**
Stddev	.00375	.00175	.00092	.00036	.0193	.149
%RSD	1.1944	2.4401	15.623	.69339	1.0698	1.2479
#1	.31021	.06970	.00578	.05171	1.7851	11.750
#2	.31434	.07223	.00687	.05124	1.8023	11.937
#3	.31770	.07305	.00504	.05101	1.8236	12.043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79195.**	**58103.**
Stddev	276.	328.
%RSD	.34908	.56532
#1	78897.	58028.
#2	79243.	57819.
#3	79444.	58463.

Approved: February 21, 2011

Sample Name: L1102045515SD Acquired: 2/18/2011 19:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356952-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05071**	**52.286**	**.12943**	**.07168**	**1.5637**	**.00525**	**92.250**
Stddev	.00111	.662	.00220	.00089	.0113	.00009	.944
%RSD	2.1952	1.2653	1.7030	1.2401	.72475	1.7822	1.0234
#1	.04953	51.739	.12815	.07190	1.5508	.00519	91.211
#2	.05085	52.097	.12815	.07243	1.5681	.00521	92.484
#3	.05175	53.021	.13197	.07070	1.5721	.00536	93.055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01971**	**.04729**	**.05116**	**6.6405**	**125.88**	**13.779**	**.08991**
Stddev	.00027	.00057	.00076	.1118	.89	.096	.00474
%RSD	1.3628	1.2030	1.4893	1.6830	.70535	.69788	5.2686
#1	.01943	.04674	.05085	6.5333	124.90	13.671	.08467
#2	.01974	.04725	.05061	6.6318	126.13	13.810	.09390
#3	.01996	.04787	.05203	6.7563	126.62	13.856	.09115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.621**	**4.0624**	**.00830**	**.54870**	**.06454**	F **11486.**	**3.5322**
Stddev	.276	.0380	.00032	.00738	.00088	178.	.0590
%RSD	.96376	.93608	3.8937	1.3449	1.3664	1.5455	1.6712
#1	28.308	4.0208	.00853	.55671	.06377	11311.	3.4755
#2	28.726	4.0711	.00793	.54719	.06434	11482.	3.5277
#3	28.830	4.0954	.00843	.54219	.06550	11666.	3.5933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102045515SD Acquired: 2/18/2011 19:58:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356952-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-108.41**	F **493.15**	F **-14099.**	**.00562**	**.01577**	**68.796**	**.06134**
Stddev	7.86	8.24	237.	.00312	.00192	1.354	.00124
%RSD	7.2497	1.6710	1.6790	55.544	12.195	1.9682	2.0183
#1	-99.591	485.17	-13874.	.00856	.01396	67.330	.06024
#2	-114.67	492.66	-14077.	.00235	.01556	69.060	.06111
#3	-110.98	501.63	-14345.	.00595	.01779	69.999	.06268
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32201**	**.09234**	**.00651**	**.05224**	**1.7823**	**13.442**
Stddev	.00305	.00255	.00092	.00052	.0273	.050
%RSD	.94848	2.7571	14.084	1.0038	1.5290	.37325
#1	.31863	.09128	.00655	.05184	1.7555	13.498
#2	.32284	.09050	.00557	.05205	1.7813	13.402
#3	.32456	.09525	.00740	.05283	1.8100	13.426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**84436.**	**63831.**
Stddev	134.	144.
%RSD	.15875	.22578
#1	84281.	63845.
#2	84507.	63680.
#3	84519.	63967.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 20:02:19 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.34847**	F **8.7194**	**.37704**	F **.43025**	**.91107**	F **.04306**	**9.1569**
Stddev	.00247	.0644	.00230	.00378	.00473	.00018	.0334
%RSD	.70909	.73799	.60982	.87871	.51941	.41731	.36467
#1	.34567	8.6494	.37970	.42625	.90586	.04287	9.1183
#2	.35034	8.7759	.37570	.43376	.91222	.04308	9.1776
#3	.34941	8.7329	.37574	.43074	.91511	.04323	9.1747
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value	.40000	10.000		.50000		.05000	
Range	-10.000%	-10.000%		-10.000%		-10.000%	

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04749**	**.18726**	F **.42785**	**.46180**	**3.6548**	**45.350**	**.91284**
Stddev	.00010	.00020	.00201	.00169	.0243	.268	.00840
%RSD	.20819	.10761	.46925	.36631	.66360	.59133	.92031
#1	.04758	.18708	.42558	.46034	3.6311	45.069	.90386
#2	.04739	.18724	.42938	.46142	3.6536	45.377	.91415
#3	.04751	.18748	.42861	.46366	3.6796	45.603	.92051
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.50000				
Range			-10.000%				

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.0905**	**.45942**	**.92356**	**45.364**	**.47150**	F **-3.5035**	**.48284**
Stddev	.0453	.00105	.00054	.281	.00103	10.319	.00088
%RSD	.49800	.22833	.05843	.61871	.21891	294.55	.18209
#1	9.0413	.45827	.92418	45.062	.47041	-11.774	.48185
#2	9.1304	.45967	.92332	45.412	.47164	8.0606	.48314
#3	9.0998	.46033	.92318	45.617	.47246	-6.7967	.48353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 20:02:19 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-99.891**	**9.3553**	F **11.151**	**1.1349**	**.38586**	F **3.5078**	**.93726**
Stddev	14.455	.0114	1.563	.0032	.00417	.2588	.00229
%RSD	14.471	.12166	14.013	.27765	1.0799	7.3788	.24430
#1	-113.87	9.3424	10.605	1.1362	.39059	3.3345	.93591
#2	-85.000	9.3598	9.9352	1.1372	.38422	3.3836	.93597
#3	-100.81	9.3637	12.914	1.1313	.38276	3.8053	.93990
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91343**	**.96127**	**.47042**	F **.85311**	**.92415**	F **1.5649**
Stddev	.00371	.00346	.00289	.00678	.00323	.2445
%RSD	.40620	.35968	.61475	.79519	.34944	15.626
#1	.90922	.95791	.46914	.84529	.92179	1.6489
#2	.91624	.96481	.46839	.85671	.92282	1.2895
#3	.91482	.96110	.47373	.85734	.92783	1.7564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail
Value				1.0000		1.0000
Range				-10.000%		10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**83089.**	**64026.**
Stddev	1047.	119.
%RSD	1.2600	.18589
#1	83976.	64156.
#2	83358.	64000.
#3	81934.	63923.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 20:05:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.02453**	**.00228**	**-.00016**	**-.00139**	**.00006**	**.03209**
Stddev	.00044	.00185	.00155	.00115	.00020	.00004	.01200
%RSD	53.775	7.5571	68.178	720.21	14.173	69.167	37.397
#1	.00133	-.02580	.00054	.00055	-.00142	.00011	.04301
#2	.00066	-.02241	.00276	.00045	-.00157	.00005	.03401
#3	.00049	-.02539	.00353	-.00148	-.00118	.00003	.01924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00011**	**-.00089**	**-.00112**	**.00258**	**-.07708**	**-.00158**
Stddev	.00010	.00005	.00054	.00009	.00555	.02116	.00046
%RSD	124.95	46.020	60.534	7.7210	215.00	27.456	29.307
#1	.00004	.00011	-.00101	-.00122	.00430	-.09573	-.00146
#2	-.00015	.00015	-.00137	-.00106	.00707	-.05408	-.00209
#3	-.00014	.00006	-.00030	-.00108	-.00362	-.08143	-.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01525**	**-.00013**	**.00054**	**.03204**	**.00120**	F **-14.782**	**.00385**
Stddev	.01777	.00101	.00022	.01348	.00082	4.239	.00124
%RSD	116.55	756.48	41.567	42.088	68.145	28.674	32.262
#1	.00715	-.00128	.00077	.01647	.00207	-10.964	.00528
#2	.03563	.00058	.00032	.03954	.00045	-14.039	.00303
#3	.00297	.00030	.00054	.04011	.00109	-19.343	.00324
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 20:05:51 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.579**	F **-.15519**	F **6.8853**	**-.00307**	**.00538**	**-.32080**	**.00047**
Stddev	15.395	.02076	1.1357	.00296	.00175	.16900	.00021
%RSD	21.212	13.375	16.494	96.458	32.493	52.681	45.325
#1	-90.355	-.14988	5.6513	-.00014	.00718	-.49877	.00031
#2	-63.763	-.17808	7.8867	-.00605	.00527	-.16249	.00038
#3	-63.617	-.13760	7.1178	-.00301	.00369	-.30113	.00071
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00002**	**.00171**	**-.00018**	**.00011**	F **.98974**
Stddev	.00002	.00029	.00040	.00049	.00012	.11113
%RSD	11.179	1654.9	23.606	274.57	107.93	11.228
#1	-.00015	-.00005	.00130	.00032	.00025	.94290
#2	-.00018	-.00023	.00171	-.00020	.00008	.90971
#3	-.00019	.00034	.00211	-.00065	.00001	1.1166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**83060.**	**61068.**
Stddev	146.	293.
%RSD	.17550	.47955
#1	83227.	61283.
#2	82960.	60734.
#3	82993.	61185.

Approved: February 21, 2011

Sample Name: PBS 4B Acquired: 2/18/2011 20:09:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356831-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**-.02528**	**-.00050**	**-.00091**	**-.00164**	**.00005**	**.04548**
Stddev	.00061	.00319	.00125	.00094	.00036	.00001	.00918
%RSD	28.748	12.602	248.35	102.61	21.677	26.522	20.173
#1	.00169	-.02163	-.00123	-.00198	-.00128	.00006	.05568
#2	.00187	-.02671	-.00121	-.00023	-.00165	.00004	.03790
#3	.00283	-.02750	.00094	-.00053	-.00199	.00007	.04287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00015**	**-.00030**	**-.00110**	**.00450**	**-.05853**	**-.00229**
Stddev	.00014	.00022	.00026	.00023	.00109	.03375	.00045
%RSD	231.09	143.61	86.655	20.990	24.285	57.663	19.615
#1	-.00008	.00006	-.00010	-.00102	.00454	-.07619	-.00177
#2	.00007	-.00014	-.00021	-.00091	.00339	-.07979	-.00254
#3	.00019	-.00038	-.00059	-.00135	.00558	-.01961	-.00256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00324**	**.00005**	**.00023**	**.04589**	**.00256**	F **-23.507**	**.00412**
Stddev	.02676	.00090	.00033	.01224	.00041	2.435	.00223
%RSD	827.11	1658.3	140.03	26.677	16.029	10.359	54.087
#1	-.03298	.00107	.00059	.03245	.00287	-25.804	.00516
#2	.00440	-.00064	-.00004	.05640	.00209	-23.763	.00564
#3	.01887	-.00027	.00015	.04881	.00272	-20.954	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS 4B Acquired: 2/18/2011 20:09:31 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356831-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-63.353**	F **-.03398**	**2.4743**	**-.00399**	**.00918**	**.91084**	**.00052**
Stddev	4.694	.08068	1.4585	.00197	.00342	.20966	.00022
%RSD	7.4088	237.39	58.946	49.338	37.294	23.018	41.998
#1	-68.489	.05789	3.2545	-.00185	.00554	.77153	.00040
#2	-62.282	-.09324	.79163	-.00439	.01234	.80903	.00038
#3	-59.286	-.06661	3.3766	-.00573	.00966	1.1520	.00077
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00073**	**.00026**	**.00024**	**.00198**	**.59951**
Stddev	.00015	.00124	.00098	.00041	.00009	.10609
%RSD	87.001	169.38	372.02	170.15	4.6877	17.696
#1	-.00003	-.00045	.00113	-.00017	.00205	.47878
#2	-.00016	.00203	.00046	.00066	.00201	.67785
#3	-.00033	.00063	-.00080	.00023	.00187	.64190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80529.**	**59776.**
Stddev	542.	75.
%RSD	.67254	.12614
#1	81115.	59823.
#2	80425.	59689.
#3	80046.	59817.

Approved: February 21, 2011

Sample Name: LCSS 4B Acquired: 2/18/2011 20:13:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356831-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18863**	**-.01480**	**.19037**	**-.00141**	**-.00115**	**.00004**	**.04388**
Stddev	.00182	.00154	.00160	.00116	.00042	.00001	.02260
%RSD	.96669	10.436	.84193	81.957	36.208	28.389	51.498
#1	.18692	-.01401	.19204	-.00097	-.00081	.00003	.06540
#2	.19055	-.01658	.19022	-.00054	-.00102	.00005	.04592
#3	.18841	-.01381	.18885	-.00272	-.00161	.00004	.02034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02485**	**-.00039**	**.00037**	**.24553**	**.00802**	**-.07662**	**-.00283**
Stddev	.00009	.00008	.00057	.00042	.00807	.09149	.00199
%RSD	.37627	21.039	152.70	.17134	100.60	119.41	70.401
#1	.02475	-.00048	-.00022	.24523	.00743	-.02376	-.00078
#2	.02485	-.00032	.00043	.24601	.00026	-.18227	-.00294
#3	.02494	-.00037	.00092	.24535	.01637	-.02384	-.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00510**	**.25276**	**-.00010**	**.02576**	**.00218**	F **-10.103**	**.26529**
Stddev	.00930	.00250	.00022	.00932	.00026	12.567	.00272
%RSD	182.19	.98963	209.49	36.176	12.139	124.39	1.0260
#1	.01557	.24988	-.00005	.03321	.00228	-23.395	.26253
#2	.00195	.25418	-.00035	.02876	.00238	-8.5003	.26537
#3	-.00220	.25424	.00008	.01531	.00188	1.5856	.26797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS 4B Acquired: 2/18/2011 20:13:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356831-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.040**	**.23241**	F **-4.0629**	**-.00071**	**.00690**	**1.2584**	**.00050**
Stddev	14.775	.01161	1.4022	.00081	.00383	.2726	.00009
%RSD	30.756	4.9951	34.512	113.17	55.490	21.662	18.828
#1	-65.034	.22790	-2.5110	.00014	.00661	1.0676	.00050
#2	-38.232	.22374	-5.2387	-.00147	.01086	1.1369	.00041
#3	-40.854	.24560	-4.4388	-.00081	.00322	1.5706	.00060
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000		9.0000				
Low Limit	-.00400		-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00050**	**-.00064**	**.00014**	**.00243**	**.47527**
Stddev	.00020	.00011	.00067	.00020	.00005	.11993
%RSD	689.41	21.624	104.60	144.78	1.9734	25.234
#1	.00013	-.00043	-.00033	-.00004	.00243	.34731
#2	.00016	-.00044	-.00019	.00010	.00238	.58511
#3	-.00020	-.00062	-.00142	.00036	.00248	.49338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77891.**	**56380.**
Stddev	467.	271.
%RSD	.59892	.48029
#1	78379.	56661.
#2	77844.	56358.
#3	77450.	56121.

Approved: February 21, 2011

Sample Name: L1102036334 Acquired: 2/18/2011 20:16:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	**58.041**	**.03794**	**.05916**	**.39287**	**.00150**	**434.06**
Stddev	.00041	.150	.00394	.00113	.00108	.00001	1.57
%RSD	6.6750	.25835	10.395	1.9027	.27514	.80175	.36233
#1	.00568	57.873	.03438	.05849	.39164	.00150	432.32
#2	.00648	58.162	.03727	.05854	.39369	.00151	434.48
#3	.00621	58.088	.04218	.06046	.39326	.00149	435.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.01984**	**.06208**	**.16259**	**56.489**	**12.795**	**.06648**
Stddev	.00008	.00019	.00106	.00050	.182	.122	.00045
%RSD	3.0538	.93327	1.7037	.31038	.32286	.95396	.66963
#1	.00275	.02003	.06094	.16293	56.279	12.669	.06671
#2	.00285	.01966	.06228	.16282	56.588	12.913	.06676
#3	.00268	.01985	.06303	.16201	56.600	12.804	.06597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.482**	**2.0408**	**.00194**	**.40273**	**.04751**	F **6873.2**	**.19838**
Stddev	.037	.0070	.00020	.01240	.00008	17.6	.00227
%RSD	.21005	.34192	10.318	3.0786	.16065	.25541	1.1426
#1	17.440	2.0328	.00212	.41073	.04743	6873.2	.19617
#2	17.495	2.0440	.00172	.38845	.04751	6855.7	.19826
#3	17.510	2.0455	.00197	.40901	.04758	6890.8	.20070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036334 Acquired: 2/18/2011 20:16:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.095**	F **495.48**	F **-1996.5**	**.00017**	**.00547**	**52.759**	**.00510**
Stddev	14.918	.37	15.5	.00089	.00059	.064	.00029
%RSD	23.275	.07417	.77856	511.86	10.745	.12133	5.7807
#1	-57.864	495.60	-2002.3	.00020	.00538	52.702	.00518
#2	-53.302	495.07	-1978.9	-.00073	.00492	52.746	.00477
#3	-81.118	495.78	-2008.3	.00105	.00609	52.828	.00535
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16837**	**.66872**	**.00581**	**.10197**	**.29032**	**14.743**
Stddev	.00079	.00384	.00082	.00113	.00007	.216
%RSD	.46981	.57380	14.158	1.1109	.02399	1.4643
#1	.16746	.66810	.00523	.10066	.29034	14.571
#2	.16892	.67283	.00675	.10265	.29024	14.985
#3	.16873	.66523	.00545	.10258	.29037	14.673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75899.**	**57242.**
Stddev	69.	352.
%RSD	.09071	.61413
#1	75947.	57648.
#2	75820.	57052.
#3	75929.	57027.

Approved: February 21, 2011

Sample Name: L1102036334PS Acquired: 2/18/2011 20:20:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356972-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19807**	**59.549**	**.24056**	**1.0043**	**.88174**	**.02540**	**427.56**
Stddev	.00202	.639	.00079	.0110	.00225	.00022	.54
%RSD	1.0221	1.0737	.32644	1.0958	.25492	.88095	.12560
#1	.19919	60.090	.24135	1.0139	.87958	.02559	427.87
#2	.19573	58.844	.24057	.99231	.88407	.02516	427.87
#3	.19928	59.714	.23978	1.0068	.88157	.02547	426.94
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02860**	**.11746**	**.28367**	**.39550**	**57.307**	**37.770**	**.56728**
Stddev	.00020	.00010	.00174	.00141	.114	.056	.00353
%RSD	.69816	.08738	.61425	.35603	.19927	.14831	.62164
#1	.02837	.11743	.28514	.39706	57.238	37.715	.56329
#2	.02873	.11757	.28174	.39434	57.439	37.827	.56997
#3	.02870	.11737	.28412	.39508	57.244	37.769	.56858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.693**	**2.2385**	**.50539**	**26.230**	**.29041**	F **6696.8**	**.44008**
Stddev	.066	.0052	.00090	.098	.00044	21.4	.00278
%RSD	.30506	.23124	.17845	.37303	.15307	.31934	.63279
#1	21.769	2.2388	.50617	26.118	.29034	6675.3	.43722
#2	21.663	2.2435	.50440	26.271	.29089	6718.1	.44278
#3	21.647	2.2332	.50559	26.301	.29001	6696.9	.44023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036334PS Acquired: 2/18/2011 20:20:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356972-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-91.193**	F **481.01**	F **-1965.4**	**.60092**	**.21048**	F **356.71**	**.00557**
Stddev	7.648	.27	6.4	.00061	.00541	.48	.00040
%RSD	8.3870	.05692	.32600	.10160	2.5700	.13573	7.2551
#1	-88.084	480.73	-1970.4	.60121	.20811	357.12	.00584
#2	-99.906	481.03	-1958.2	.60022	.21666	356.84	.00511
#3	-85.589	481.27	-1967.5	.60134	.20665	356.18	.00578
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66030**	**1.1576**	**.24730**	**.55943**	**.76543**	**15.282**
Stddev	.00287	.0025	.00094	.00534	.00035	.308
%RSD	.43486	.21944	.38183	.95475	.04514	2.0149
#1	.66000	1.1598	.24650	.56461	.76524	15.632
#2	.66331	1.1581	.24707	.55394	.76583	15.160
#3	.65759	1.1548	.24834	.55975	.76523	15.054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78750.**	**60448.**
Stddev	496.	495.
%RSD	.62957	.81826
#1	79136.	59925.
#2	78923.	60908.
#3	78191.	60511.

Approved: February 21, 2011

Sample Name: L1102036334SDL Acquired: 2/18/2011 20:23:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356972-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00290**	**12.005**	**.00935**	**.01301**	**.07543**	**.00031**	**85.145**
Stddev	.00049	.099	.00255	.00029	.00070	.00002	.522
%RSD	16.730	.82584	27.245	2.2451	.93037	5.4990	.61277
#1	.00323	11.894	.00674	.01334	.07477	.00030	84.598
#2	.00234	12.085	.00948	.01279	.07617	.00030	85.637
#3	.00313	12.037	.01183	.01291	.07537	.00033	85.200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.00412**	**.01180**	**.03097**	**11.104**	**2.3839**	**.01135**
Stddev	.00015	.00008	.00041	.00117	.087	.0171	.00394
%RSD	28.157	1.9622	3.4796	3.7872	.78504	.71892	34.690
#1	.00047	.00417	.01158	.03003	11.004	2.3790	.01093
#2	.00068	.00402	.01228	.03058	11.150	2.3697	.00763
#3	.00040	.00416	.01155	.03228	11.159	2.4029	.01547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4785**	**.40397**	**.00050**	**.11129**	**.01003**	F **1304.2**	**.04086**
Stddev	.0326	.00231	.00015	.01689	.00034	4.6	.00155
%RSD	.93662	.57129	30.031	15.179	3.3404	.35452	3.7982
#1	3.4591	.40175	.00035	.10123	.00965	1309.0	.03926
#2	3.5162	.40636	.00050	.10185	.01018	1299.7	.04236
#3	3.4603	.40380	.00065	.13080	.01027	1303.8	.04097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036334SDL Acquired: 2/18/2011 20:23:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356972-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.114**	F **100.44**	F **-366.37**	**-.00319**	**.00309**	**9.6631**	**.00053**
Stddev	9.245	.07	3.03	.00203	.00390	.1396	.00032
%RSD	13.377	.06723	.82721	63.669	126.04	1.4443	60.001
#1	-65.844	100.52	-367.37	-.00549	-.00137	9.5130	.00089
#2	-79.551	100.41	-368.78	-.00246	.00585	9.7889	.00032
#3	-61.949	100.39	-362.97	-.00163	.00479	9.6874	.00037
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03264**	**.12855**	**.00367**	**.01979**	**.05908**	**2.8432**
Stddev	.00030	.00091	.00113	.00057	.00007	.1187
%RSD	.92818	.70932	30.790	2.8717	.11634	4.1735
#1	.03237	.12758	.00487	.01987	.05905	2.7201
#2	.03297	.12869	.00353	.02032	.05904	2.8526
#3	.03258	.12939	.00262	.01919	.05916	2.9568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80513.**	**59865.**
Stddev	88.	395.
%RSD	.10926	.66007
#1	80597.	60282.
#2	80519.	59496.
#3	80422.	59818.

Approved: February 21, 2011

Sample Name: L1102036334SDL Acquired: 2/18/2011 20:27:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356972-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**2.5715**	**.00277**	**.00064**	**.01442**	**.00008**	**17.091**
Stddev	.00072	.0299	.00067	.00023	.00028	.00001	.010
%RSD	41.312	1.1607	24.153	36.032	1.9252	16.792	.05979
#1	.00093	2.5588	.00325	.00089	.01429	.00009	17.081
#2	.00201	2.6056	.00201	.00044	.01474	.00009	17.091
#3	.00230	2.5501	.00306	.00057	.01423	.00007	17.102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00094**	**.00215**	**.00590**	**2.2060**	**.43179**	**.00217**
Stddev	.00004	.00018	.00037	.00111	.0096	.01217	.00306
%RSD	47.863	19.470	17.003	18.829	.43340	2.8194	140.68
#1	-.00004	.00105	.00186	.00656	2.2015	.43145	.00403
#2	-.00012	.00104	.00256	.00462	2.2170	.41979	-.00135
#3	-.00009	.00073	.00203	.00653	2.1995	.44413	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71910**	**.08171**	**-.00001**	**.02510**	**.00289**	**245.65**	**.01021**
Stddev	.01170	.00053	.00016	.00675	.00020	5.43	.00150
%RSD	1.6266	.65218	1603.1	26.874	7.0683	2.2122	14.692
#1	.70638	.08122	-.00019	.03277	.00278	251.06	.00874
#2	.72939	.08165	.00005	.02241	.00277	240.19	.01015
#3	.72153	.08228	.00011	.02011	.00313	245.71	.01174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102036334SDL Acquired: 2/18/2011 20:27:26 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356972-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.528**	F **20.449**	F **-64.338**	**-.00267**	**.00348**	**1.0917**	**-.00007**
Stddev	2.160	.119	2.494	.00052	.00209	.0323	.00015
%RSD	5.2019	.58178	3.8766	19.322	60.157	2.9571	217.10
#1	-40.063	20.395	-66.840	-.00318	.00152	1.0657	-.00013
#2	-40.512	20.367	-61.852	-.00268	.00323	1.0815	-.00017
#3	-44.009	20.586	-64.322	-.00215	.00569	1.1278	.00010
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00635**	**.02591**	**.00237**	**.00403**	**.01283**	**.92068**
Stddev	.00013	.00075	.00108	.00015	.00005	.15552
%RSD	2.0941	2.9030	45.493	3.6510	.40035	16.892
#1	.00643	.02518	.00122	.00387	.01288	.89221
#2	.00642	.02586	.00252	.00417	.01277	.78136
#3	.00619	.02668	.00336	.00404	.01283	1.0885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81407.**	**57433.**
Stddev	316.	465.
%RSD	.38813	.81033
#1	81053.	57914.
#2	81661.	56985.
#3	81506.	57401.

Approved: February 21, 2011

Sample Name: L1102036335 Acquired: 2/18/2011 20:31:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**50.300**	**.04176**	**.04774**	**.57421**	**.00241**	**257.78**
Stddev	.00072	.285	.00300	.00152	.00226	.00004	.93
%RSD	19.104	.56662	7.1731	3.1813	.39311	1.5728	.36099
#1	.00317	50.147	.03955	.04713	.57160	.00237	256.79
#2	.00352	50.629	.04056	.04662	.57552	.00243	257.91
#3	.00455	50.124	.04517	.04947	.57551	.00243	258.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00412**	**.02170**	**.05670**	**.31368**	**55.861**	**14.247**	**.05511**
Stddev	.00008	.00008	.00030	.00270	.183	.052	.00226
%RSD	1.8405	.35979	.52993	.86042	.32695	.36194	4.0978
#1	.00408	.02166	.05697	.31136	55.654	14.189	.05265
#2	.00421	.02165	.05675	.31303	55.930	14.268	.05557
#3	.00408	.02179	.05638	.31664	55.999	14.285	.05710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.034**	**2.5420**	**.00189**	**.63518**	**.04776**	F **19828.**	**.25941**
Stddev	.115	.0107	.00025	.00273	.00058	85.	.00170
%RSD	.60428	.42191	13.005	.43044	1.2214	.42867	.65408
#1	18.908	2.5303	.00218	.63247	.04711	19788.	.26137
#2	19.058	2.5442	.00173	.63514	.04791	19771.	.25847
#3	19.135	2.5515	.00177	.63794	.04825	19926.	.25839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036335 Acquired: 2/18/2011 20:31:03 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-93.345**	F **325.63**	F **-2237.6**	**-.00098**	**.00907**	**54.666**	**.00525**
Stddev	2.765	1.40	20.3	.00269	.00268	.125	.00052
%RSD	2.9624	.42891	.90577	274.19	29.521	.22949	9.8920
#1	-96.193	324.61	-2216.8	.00208	.00891	54.791	.00578
#2	-90.670	325.05	-2238.6	-.00204	.00648	54.540	.00475
#3	-93.171	327.22	-2257.3	-.00299	.01183	54.667	.00522
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22435**	**.28911**	**.00720**	**.07847**	**.53063**	**23.525**
Stddev	.00069	.00174	.00112	.00030	.00260	.406
%RSD	.30740	.60080	15.549	.38185	.49067	1.7265
#1	.22384	.28733	.00672	.07823	.52941	23.130
#2	.22409	.28922	.00848	.07881	.52887	23.941
#3	.22514	.29080	.00640	.07838	.53362	23.504
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81000.**	**61398.**
Stddev	143.	293.
%RSD	.17648	.47696
#1	80902.	61598.
#2	81164.	61062.
#3	80934.	61535.

Approved: February 21, 2011

Sample Name: L1102036339 Acquired: 2/18/2011 20:34:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**59.759**	**.03947**	**.06211**	**.64774**	**.00217**	**198.59**
Stddev	.00073	.682	.00103	.00110	.00071	.00004	.55
%RSD	13.961	1.1416	2.6198	1.7634	.11007	1.9868	.27635
#1	.00603	60.536	.03829	.06335	.64856	.00222	198.21
#2	.00467	59.259	.03986	.06127	.64726	.00217	198.33
#3	.00490	59.483	.04025	.06172	.64739	.00213	199.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00506**	**.02220**	**.07177**	**.42027**	**62.268**	**17.202**	**.05567**
Stddev	.00010	.00013	.00121	.00058	.088	.094	.00191
%RSD	1.9750	.56799	1.6890	.13796	.14204	.54490	3.4330
#1	.00515	.02207	.07315	.42084	62.166	17.115	.05768
#2	.00508	.02222	.07127	.42029	62.309	17.191	.05546
#3	.00495	.02232	.07088	.41968	62.328	17.301	.05388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.472**	**2.7979**	**.00279**	**.25396**	**.05187**	F **12878.**	**.85527**
Stddev	.018	.0101	.00047	.02355	.00096	26.	.00318
%RSD	.09491	.36199	17.002	9.2735	1.8467	.20183	.37136
#1	19.493	2.7882	.00267	.23880	.05208	12850.	.85308
#2	19.463	2.7970	.00238	.28109	.05271	12881.	.85382
#3	19.459	2.8084	.00331	.24198	.05083	12901.	.85891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036339 Acquired: 2/18/2011 20:34:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-78.213**	F **281.72**	F **-2895.3**	**.00323**	**.00764**	**48.998**	**.00774**
Stddev	4.660	.17	5.4	.00192	.00234	.353	.00030
%RSD	5.9586	.05917	.18764	59.560	30.620	.72066	3.8519
#1	-73.359	281.55	-2901.1	.00348	.01027	48.733	.00769
#2	-78.627	281.72	-2894.4	.00501	.00688	48.862	.00748
#3	-82.653	281.88	-2890.3	.00119	.00578	49.399	.00806
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30968**	**.46719**	**.00793**	**.08825**	**.96183**	**18.226**
Stddev	.00179	.00045	.00184	.00118	.00060	.362
%RSD	.57928	.09673	23.177	1.3367	.06202	1.9872
#1	.30778	.46737	.00879	.08959	.96122	18.544
#2	.30993	.46668	.00919	.08737	.96187	17.832
#3	.31134	.46753	.00582	.08777	.96241	18.302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**81068.**	**61572.**
Stddev	86.	611.
%RSD	.10619	.99186
#1	81113.	60871.
#2	81124.	61987.
#3	80969.	61859.

Approved: February 21, 2011

Sample Name: L1102036340 Acquired: 2/18/2011 20:38:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00588**	**53.748**	**.03729**	**.04652**	**.38708**	**.00204**	**278.26**
Stddev	.00038	.734	.00220	.00194	.00131	.00000	.72
%RSD	6.4340	1.3659	5.9023	4.1611	.33781	.16386	.26046
#1	.00545	54.563	.03976	.04699	.38559	.00204	277.78
#2	.00615	53.139	.03658	.04440	.38765	.00204	277.91
#3	.00605	53.543	.03553	.04818	.38801	.00204	279.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.02042**	**.06713**	**.24310**	**57.535**	**12.586**	**.06069**
Stddev	.00017	.00025	.00115	.00100	.174	.076	.00072
%RSD	4.0844	1.2257	1.7130	.41114	.30232	.60438	1.1921
#1	.00419	.02021	.06837	.24268	57.395	12.584	.06139
#2	.00388	.02036	.06610	.24239	57.481	12.512	.05995
#3	.00414	.02070	.06691	.24425	57.730	12.664	.06073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.516**	**3.2111**	**.00155**	**.57551**	**.05418**	F **4222.0**	**.38947**
Stddev	.023	.0054	.00025	.01461	.00102	10.9	.00185
%RSD	.11235	.16832	16.440	2.5379	1.8811	.25811	.47596
#1	20.524	3.2084	.00176	.56021	.05305	4227.5	.39006
#2	20.490	3.2076	.00161	.58931	.05503	4209.4	.38740
#3	20.535	3.2173	.00127	.57700	.05447	4229.0	.39097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036340 Acquired: 2/18/2011 20:38:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-88.186**	F **338.08**	F **-2037.4**	**.00073**	**.00515**	**37.436**	**.00470**
Stddev	4.989	.90	9.8	.00251	.00291	.359	.00044
%RSD	5.6576	.26628	.48065	341.96	56.527	.95944	9.3944
#1	-92.522	337.56	-2033.4	-.00210	.00259	37.851	.00432
#2	-89.305	337.56	-2030.3	.00164	.00454	37.215	.00518
#3	-82.733	339.12	-2048.6	.00267	.00831	37.243	.00459
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14937**	**.47728**	**.00764**	**.09167**	**.48761**	**22.172**
Stddev	.00032	.00175	.00154	.00128	.00117	.277
%RSD	.21506	.36687	20.105	1.3976	.23959	1.2493
#1	.14919	.47798	.00665	.09315	.48717	22.298
#2	.14917	.47529	.00941	.09086	.48672	21.854
#3	.14974	.47857	.00686	.09101	.48893	22.364
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80070.**	**59928.**
Stddev	85.	810.
%RSD	.10593	1.3517
#1	80158.	59039.
#2	79989.	60624.
#3	80064.	60121.

Approved: February 21, 2011

Sample Name: L1102036341 Acquired: 2/18/2011 20:41:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00387**	**46.840**	**.04394**	**.04045**	**.44739**	**.00242**	**525.84**
Stddev	.00037	.426	.00163	.00038	.00275	.00002	2.01
%RSD	9.5836	.91008	3.7202	.93661	.61407	.94391	.38148
#1	.00364	46.409	.04206	.04023	.44422	.00240	523.55
#2	.00430	46.850	.04470	.04022	.44916	.00244	527.25
#3	.00368	47.262	.04506	.04088	.44878	.00243	526.73
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.01899**	**.05443**	**.21767**	**51.083**	**9.9397**	**.06724**
Stddev	.00025	.00026	.00104	.00092	.286	.0644	.00237
%RSD	8.5253	1.3500	1.9140	.42108	.56018	.64786	3.5291
#1	.00290	.01882	.05324	.21702	50.753	9.8656	.06998
#2	.00271	.01886	.05489	.21727	51.263	9.9824	.06585
#3	.00320	.01929	.05517	.21872	51.233	9.9711	.06589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.616**	**2.0101**	**.00140**	**.33806**	**.04489**	F **4520.7**	**.17735**
Stddev	.074	.0070	.00025	.00730	.00032	19.4	.00054
%RSD	.42152	.35095	17.664	2.1592	.72349	.43025	.30301
#1	17.532	2.0027	.00143	.33751	.04509	4504.2	.17752
#2	17.641	2.0167	.00114	.33105	.04507	4515.8	.17675
#3	17.674	2.0111	.00164	.34562	.04452	4542.1	.17779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036341 Acquired: 2/18/2011 20:41:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.145**	F **592.71**	F **-1938.3**	**.00114**	**.00627**	**53.822**	**.00399**
Stddev	12.273	3.29	2.9	.00208	.00508	.420	.00027
%RSD	17.012	.55582	.15097	182.71	81.006	.78085	6.8633
#1	-85.196	589.20	-1937.9	.00349	.00192	53.346	.00417
#2	-60.837	593.20	-1935.6	-.00048	.00504	53.982	.00367
#3	-70.401	595.74	-1941.4	.00042	.01185	54.140	.00412
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19604**	**.22247**	**.00589**	**.08929**	**.30534**	**16.778**
Stddev	.00060	.00030	.00282	.00040	.00178	.184
%RSD	.30660	.13638	47.915	.45145	.58154	1.0954
#1	.19577	.22212	.00623	.08897	.30343	16.949
#2	.19673	.22266	.00292	.08916	.30565	16.802
#3	.19562	.22262	.00854	.08974	.30693	16.584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74298.**	**56920.**
Stddev	475.	429.
%RSD	.63884	.75331
#1	74775.	57407.
#2	74293.	56752.
#3	73825.	56601.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 20:45:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37897**	**9.5698**	**.38934**	**.46660**	**.95379**	**.04796**	**9.5501**
Stddev	.00030	.0074	.00179	.00039	.00576	.00008	.0418
%RSD	.07924	.07741	.45870	.08354	.60407	.15862	.43750
#1	.37871	9.5724	.38729	.46690	.94751	.04794	9.5142
#2	.37930	9.5615	.39016	.46674	.95505	.04791	9.5402
#3	.37891	9.5756	.39057	.46616	.95882	.04805	9.5960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04955**	**.19661**	**.47702**	**.47924**	**3.8136**	**47.605**	**.95806**
Stddev	.00003	.00005	.00055	.00182	.0222	.153	.00651
%RSD	.05091	.02360	.11608	.37883	.58336	.32198	.67908
#1	.04952	.19666	.47643	.47733	3.7944	47.454	.95163
#2	.04954	.19659	.47712	.47947	3.8084	47.600	.95792
#3	.04957	.19658	.47752	.48094	3.8380	47.761	.96464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6090**	**.47855**	**.95943**	**48.169**	**.48929**	F **8.0092**	**.50614**
Stddev	.0355	.00261	.00185	.297	.00246	2.2412	.00100
%RSD	.36904	.54611	.19277	.61725	.50283	27.982	.19842
#1	9.5700	.47657	.95757	47.837	.48647	5.6394	.50575
#2	9.6177	.47757	.95946	48.256	.49048	8.2937	.50538
#3	9.6393	.48151	.96126	48.412	.49094	10.095	.50728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 20:45:07 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.253**	**9.7254**	F **14.407**	**1.1732**	**.38895**	F **4.0831**	**.97473**
Stddev	13.811	.0631	1.373	.0035	.00334	.3094	.00353
%RSD	30.520	.64860	9.5273	.29715	.85936	7.5778	.36209
#1	-45.419	9.6584	15.977	1.1695	.38582	3.9948	.97086
#2	-31.360	9.7837	13.435	1.1734	.39247	4.4270	.97557
#3	-58.980	9.7340	13.808	1.1765	.38857	3.8274	.97777
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93542**	**.99697**	**.49098**	**.93035**	**.96766**	F **1.3512**
Stddev	.00354	.00519	.00226	.00067	.00212	.1143
%RSD	.37828	.52080	.45946	.07199	.21896	8.4620
#1	.93231	.99433	.49261	.93002	.96527	1.2732
#2	.93469	.99362	.49194	.93112	.96842	1.2979
#3	.93927	1.0030	.48841	.92992	.96930	1.4825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77161.**	**55188.**
Stddev	110.	78.
%RSD	.14319	.14088
#1	77279.	55249.
#2	77143.	55215.
#3	77060.	55101.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 20:48:38 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.01163**	**.00184**	**.00020**	**-.00020**	**.00004**	**.00473**
Stddev	.00031	.00178	.00160	.00149	.00040	.00002	.00419
%RSD	41.332	15.338	87.286	735.84	196.13	49.310	88.588
#1	.00077	-.01081	.00359	-.00140	-.00054	.00003	.00580
#2	.00044	-.01041	.00044	.00155	.00024	.00007	.00011
#3	.00106	-.01368	.00148	.00046	-.00031	.00003	.00827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00005**	**-.00050**	**-.00083**	**-.00140**	**-.06632**	**-.00355**
Stddev	.00011	.00013	.00091	.00050	.00299	.04542	.00191
%RSD	330.16	272.03	183.01	59.891	213.19	68.484	53.787
#1	.00002	.00010	-.00094	-.00140	-.00448	-.04094	-.00371
#2	.00004	-.00010	.00055	-.00054	-.00123	-.03927	-.00538
#3	-.00016	.00014	-.00111	-.00055	.00150	-.11876	-.00157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01390**	**-.00039**	**.00030**	**.04370**	**.00074**	F **4.1538**	**.00104**
Stddev	.01123	.00080	.00016	.01719	.00050	2.6515	.00053
%RSD	80.827	205.12	53.410	39.334	68.287	63.833	51.282
#1	.00291	-.00113	.00031	.06013	.00032	1.3596	.00051
#2	.01342	-.00049	.00013	.02584	.00059	6.6347	.00157
#3	.02536	.00045	.00045	.04513	.00130	4.4671	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 20:48:38 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-33.034**	F **-.15229**	F **4.9919**	**-.00099**	**.00527**	**-.08106**	**.00042**
Stddev	14.717	.01354	2.4603	.00345	.00428	.12820	.00019
%RSD	44.552	8.8907	49.286	349.32	81.263	158.16	45.182
#1	-25.544	-.16769	6.6349	.00230	.00442	-.22858	.00052
#2	-23.569	-.14226	6.1775	-.00458	.00991	-.01782	.00020
#3	-49.990	-.14693	2.1632	-.00069	.00147	.00323	.00054
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00062**	**.00131**	**.00033**	**.00015**	F **.53306**
Stddev	.00006	.00172	.00201	.00030	.00015	.10127
%RSD	115.95	278.44	153.09	89.086	101.07	18.998
#1	.00000	.00102	.00344	.00021	.00030	.44997
#2	-.00004	-.00127	.00103	.00012	-.00001	.64586
#3	-.00011	.00209	-.00054	.00067	.00017	.50334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78418.**	**55961.**
Stddev	305.	477.
%RSD	.38913	.85204
#1	78633.	55999.
#2	78069.	55467.
#3	78553.	56418.

Approved: February 21, 2011

Sample Name: L1102036342 Acquired: 2/18/2011 20:52:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00404**	**58.466**	**.06503**	**.04934**	**.61468**	**.00283**	**235.81**
Stddev	.00015	.699	.00135	.00158	.00099	.00002	.65
%RSD	3.7325	1.1947	2.0821	3.1981	.16177	.55626	.27455
#1	.00390	57.997	.06407	.05029	.61515	.00283	235.08
#2	.00420	58.131	.06444	.04752	.61354	.00281	236.06
#3	.00403	59.269	.06658	.05021	.61536	.00284	236.30
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00454**	**.02372**	**.06166**	**.27312**	**62.195**	**15.619**	**.06398**
Stddev	.00003	.00027	.00068	.00180	.121	.034	.00158
%RSD	.67037	1.1224	1.0964	.66048	.19525	.21655	2.4635
#1	.00451	.02344	.06161	.27142	62.125	15.619	.06441
#2	.00453	.02374	.06101	.27292	62.125	15.653	.06530
#3	.00457	.02397	.06236	.27501	62.335	15.585	.06224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.009**	**2.3417**	**.00190**	**.44273**	**.05155**	F **6377.8**	**.24730**
Stddev	.084	.0043	.00025	.02014	.00007	20.3	.00215
%RSD	.40011	.18425	13.404	4.5483	.13606	.31783	.86827
#1	20.931	2.3368	.00213	.46519	.05157	6360.2	.24514
#2	20.998	2.3449	.00195	.43672	.05147	6373.3	.24734
#3	21.098	2.3435	.00163	.42629	.05161	6400.0	.24944
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036342 Acquired: 2/18/2011 20:52:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-69.528**	F **315.20**	F **-2627.6**	**.00308**	**.00121**	**50.924**	**.00637**
Stddev	16.134	1.94	15.1	.00261	.00346	.292	.00035
%RSD	23.205	.61469	.57553	84.913	285.42	.57380	5.4443
#1	-87.607	313.20	-2610.3	.00539	-.00103	51.193	.00617
#2	-64.383	315.32	-2633.7	.00360	-.00053	50.613	.00677
#3	-56.594	317.07	-2638.7	.00024	.00519	50.967	.00616
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22184**	**.29325**	**.00598**	**.08430**	**.47645**	**24.693**
Stddev	.00083	.00245	.00147	.00109	.00230	.459
%RSD	.37259	.83477	24.657	1.2934	.48214	1.8578
#1	.22101	.29047	.00539	.08402	.47411	24.674
#2	.22267	.29421	.00490	.08337	.47655	24.244
#3	.22185	.29508	.00766	.08550	.47870	25.161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76582.**	**58013.**
Stddev	348.	631.
%RSD	.45404	1.0872
#1	76894.	58276.
#2	76645.	58470.
#3	76207.	57293.

Approved: February 21, 2011

Sample Name: L1102036343 Acquired: 2/18/2011 20:55:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00462**	**63.540**	**.04024**	**.04589**	**.58293**	**.00272**	**287.80**
Stddev	.00067	.277	.00088	.00067	.00295	.00003	.99
%RSD	14.563	.43580	2.1756	1.4496	.50586	1.1961	.34276
#1	.00515	63.413	.03929	.04631	.57957	.00275	286.72
#2	.00485	63.858	.04039	.04512	.58410	.00268	288.04
#3	.00386	63.349	.04102	.04623	.58511	.00272	288.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00378**	**.02532**	**.06985**	**.23979**	**63.651**	**14.770**	**.06806**
Stddev	.00010	.00018	.00021	.00158	.367	.117	.00262
%RSD	2.7653	.70213	.30543	.65839	.57633	.79266	3.8503
#1	.00377	.02519	.06967	.23954	63.242	14.660	.06550
#2	.00389	.02552	.06979	.23834	63.763	14.755	.06793
#3	.00368	.02524	.07009	.24147	63.950	14.893	.07074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.262**	**2.7994**	**.00103**	**.42381**	**.05680**	F **5277.5**	**.24216**
Stddev	.078	.0078	.00019	.01107	.00005	3.3	.00266
%RSD	.33344	.27972	18.588	2.6117	.08478	.06298	1.0985
#1	23.175	2.7903	.00107	.41470	.05685	5274.5	.24169
#2	23.324	2.8038	.00121	.43613	.05677	5281.1	.23976
#3	23.286	2.8040	.00083	.42059	.05678	5276.8	.24502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036343 Acquired: 2/18/2011 20:55:47 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.910**	F **336.13**	F **-1436.2**	**-.00065**	**.00351**	**54.464**	**.00571**
Stddev	15.238	1.19	5.4	.00347	.00188	.172	.00048
%RSD	25.867	.35271	.37801	531.42	53.494	.31542	8.3877
#1	-41.890	335.06	-1432.0	.00233	.00250	54.421	.00516
#2	-71.285	335.91	-1434.2	-.00446	.00235	54.318	.00594
#3	-63.557	337.41	-1442.4	.00017	.00567	54.653	.00604
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21621**	**.44012**	**.00782**	**.09447**	**.41833**	**26.903**
Stddev	.00063	.00069	.00130	.00033	.00171	.074
%RSD	.28926	.15690	16.574	.35307	.40916	.27561
#1	.21550	.44091	.00656	.09431	.41751	26.818
#2	.21643	.43982	.00915	.09485	.41718	26.937
#3	.21669	.43963	.00774	.09424	.42030	26.955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75343.**	**56483.**
Stddev	323.	86.
%RSD	.42826	.15288
#1	75155.	56558.
#2	75716.	56389.
#3	75159.	56503.

Approved: February 21, 2011

Sample Name: L1102036344 Acquired: 2/18/2011 20:59:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**75.913**	**.03462**	**.07676**	**.67977**	**.00283**	**172.82**
Stddev	.00081	.257	.00216	.00144	.00632	.00006	1.02
%RSD	20.371	.33876	6.2483	1.8778	.92943	2.2388	.59228
#1	.00341	76.022	.03235	.07512	.67375	.00275	171.71
#2	.00365	76.097	.03485	.07734	.67922	.00284	173.03
#3	.00493	75.619	.03666	.07782	.68635	.00288	173.72
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00267**	**.02722**	**.07101**	**.17618**	**70.242**	**20.364**	**.07113**
Stddev	.00006	.00025	.00113	.00135	.627	.112	.00089
%RSD	2.2357	.92153	1.5887	.76521	.89235	.55027	1.2476
#1	.00261	.02695	.06995	.17479	69.598	20.306	.07215
#2	.00272	.02726	.07089	.17628	70.277	20.293	.07051
#3	.00269	.02745	.07219	.17748	70.850	20.493	.07074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.488**	**2.3621**	**.00284**	**.65174**	**.05543**	F **11488.**	**.14145**
Stddev	.165	.0135	.00002	.01501	.00026	86.	.00272
%RSD	.76913	.57212	.80831	2.3027	.47488	.75257	1.9213
#1	21.305	2.3477	.00282	.64368	.05562	11403.	.13911
#2	21.534	2.3639	.00284	.66906	.05513	11487.	.14443
#3	21.625	2.3746	.00287	.64249	.05555	11576.	.14081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036344 Acquired: 2/18/2011 20:59:14 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.126**	F **270.98**	F **-3189.9**	**-.00278**	**.00317**	**52.894**	**.00559**
Stddev	9.758	2.07	14.0	.00132	.00214	.277	.00036
%RSD	15.217	.76506	.43888	47.409	67.652	.52351	6.4637
#1	-72.059	268.82	-3177.0	-.00132	.00562	52.582	.00554
#2	-67.090	271.17	-3187.8	-.00387	.00222	53.112	.00597
#3	-53.230	272.95	-3204.8	-.00315	.00167	52.987	.00525
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27119**	**.37793**	**.00755**	**.11073**	**.40437**	**36.856**
Stddev	.00150	.00234	.00068	.00246	.00366	.891
%RSD	.55373	.61828	9.0539	2.2230	.90466	2.4180
#1	.26950	.37590	.00712	.10821	.40056	35.827
#2	.27168	.37741	.00719	.11086	.40471	37.362
#3	.27239	.38049	.00834	.11313	.40785	37.379
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78072.**	**55939.**
Stddev	299.	332.
%RSD	.38355	.59266
#1	78368.	56296.
#2	78078.	55879.
#3	77769.	55641.

Approved: February 21, 2011

Sample Name: L1102036345 Acquired: 2/18/2011 21:02:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00273**	**51.963**	**.18219**	**.04251**	**.58372**	**.00340**	**169.44**
Stddev	.00087	.694	.00041	.00035	.00543	.00005	1.49
%RSD	31.862	1.3361	.22391	.81541	.93062	1.4538	.87917
#1	.00222	51.886	.18179	.04230	.57831	.00339	168.24
#2	.00373	51.310	.18260	.04232	.58369	.00336	168.97
#3	.00223	52.692	.18217	.04291	.58917	.00346	171.11
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00393**	**.03251**	**.06042**	**.17203**	**70.245**	**12.797**	**.05810**
Stddev	.00004	.00061	.00039	.00378	.723	.114	.00043
%RSD	.97475	1.8750	.64362	2.1970	1.0291	.88982	.73932
#1	.00389	.03205	.06010	.16890	69.543	12.717	.05860
#2	.00396	.03227	.06031	.17096	70.203	12.746	.05787
#3	.00396	.03320	.06085	.17623	70.987	12.927	.05784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.769**	**2.4413**	**.00140**	**.59540**	**.05815**	F **6984.0**	**.23454**
Stddev	.183	.0244	.00032	.01635	.00053	107.3	.00452
%RSD	1.0279	1.0013	22.788	2.7453	.90365	1.5358	1.9256
#1	17.611	2.4210	.00134	.60598	.05787	6869.7	.23064
#2	17.727	2.4344	.00175	.60364	.05876	7000.0	.23350
#3	17.969	2.4684	.00112	.57658	.05783	7082.4	.23949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036345 Acquired: 2/18/2011 21:02:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-63.028**	F **321.23**	F **-4856.9**	**.00157**	**.00690**	**62.247**	**.00392**
Stddev	12.974	5.12	72.8	.00124	.00370	.731	.00019
%RSD	20.585	1.5941	1.4989	78.875	53.714	1.1741	4.8020
#1	-75.396	316.41	-4796.3	.00073	.01076	61.496	.00413
#2	-64.167	320.67	-4836.6	.00099	.00655	62.289	.00385
#3	-49.522	326.61	-4937.6	.00299	.00338	62.956	.00377
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17239**	**.13070**	**.00660**	**.09596**	**.56454**	**23.629**
Stddev	.00128	.00136	.00060	.00056	.00984	.385
%RSD	.74229	1.0377	9.0543	.58589	1.7424	1.6303
#1	.17133	.13160	.00684	.09622	.55460	23.657
#2	.17202	.12914	.00704	.09532	.56476	23.231
#3	.17381	.13136	.00592	.09635	.57427	24.000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78318.**	**58018.**
Stddev	714.	470.
%RSD	.91107	.81035
#1	78922.	57898.
#2	78500.	58537.
#3	77531.	57620.

Approved: February 21, 2011

Sample Name: L1102036346 Acquired: 2/18/2011 21:06:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00457**	**73.861**	**.20679**	**.05241**	**.56017**	**.00310**	**337.73**
Stddev	.00026	.702	.00144	.00166	.00176	.00003	1.23
%RSD	5.7904	.95094	.69765	3.1636	.31347	.81121	.36371
#1	.00485	73.788	.20619	.05301	.55842	.00308	336.31
#2	.00455	73.197	.20843	.05054	.56015	.00310	338.46
#3	.00432	74.596	.20574	.05369	.56193	.00313	338.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.02527**	**.06517**	**.18279**	**69.374**	**19.241**	**.06987**
Stddev	.00006	.00017	.00105	.00021	.219	.103	.00111
%RSD	1.0785	.66455	1.6110	.11226	.31579	.53515	1.5921
#1	.00518	.02508	.06464	.18268	69.136	19.126	.06972
#2	.00526	.02539	.06449	.18267	69.419	19.271	.06884
#3	.00516	.02533	.06638	.18303	69.568	19.325	.07105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.395**	**2.4876**	**.00147**	**.48819**	**.05399**	F **6130.0**	**.27192**
Stddev	.107	.0079	.00021	.01883	.00044	22.8	.00200
%RSD	.50150	.31827	14.037	3.8576	.81972	.37259	.73727
#1	21.274	2.4785	.00168	.47175	.05431	6105.8	.27234
#2	21.434	2.4932	.00127	.48410	.05348	6151.2	.26975
#3	21.478	2.4910	.00147	.50874	.05417	6133.0	.27369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036346 Acquired: 2/18/2011 21:06:18 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-58.015**	F **491.99**	F **-5357.5**	**.00102**	**.00753**	**62.103**	**.00444**
Stddev	9.303	1.77	31.8	.00083	.00262	.233	.00027
%RSD	16.035	.35900	.59405	81.128	34.834	.37569	6.0694
#1	-64.833	490.48	-5335.5	.00170	.00693	61.990	.00436
#2	-61.796	491.56	-5343.0	.00128	.00526	62.372	.00474
#3	-47.417	493.93	-5394.0	.00010	.01041	61.948	.00423
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15680**	**.26838**	**.00884**	**.10154**	**.75567**	**32.922**
Stddev	.00040	.00134	.00040	.00116	.00277	.526
%RSD	.25512	.49778	4.5738	1.1449	.36677	1.5982
#1	.15634	.26779	.00925	.10087	.75250	33.077
#2	.15698	.26743	.00844	.10087	.75687	32.336
#3	.15708	.26990	.00882	.10288	.75765	33.354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76519.**	**55934.**
Stddev	118.	445.
%RSD	.15362	.79537
#1	76547.	56315.
#2	76390.	56043.
#3	76620.	55445.

Approved: February 21, 2011

Sample Name: L1102036347 Acquired: 2/18/2011 21:09:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356831-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**59.805**	**.05559**	**.04208**	**.45814**	**.00291**	**401.00**
Stddev	.00035	.316	.00325	.00072	.00347	.00005	1.99
%RSD	9.2386	.52881	5.8403	1.7133	.75801	1.6603	.49591
#1	.00379	59.543	.05616	.04234	.45540	.00287	398.87
#2	.00350	59.717	.05851	.04262	.45697	.00290	401.31
#3	.00421	60.157	.05210	.04126	.46205	.00297	402.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00297**	**.02391**	**.06081**	**.15736**	**57.806**	**13.096**	**.06495**
Stddev	.00007	.00003	.00078	.00019	.284	.063	.00142
%RSD	2.2633	.14387	1.2799	.11781	.49053	.47725	2.1898
#1	.00292	.02395	.06015	.15757	57.593	13.037	.06574
#2	.00305	.02388	.06061	.15726	57.698	13.089	.06331
#3	.00296	.02391	.06167	.15724	58.128	13.162	.06581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.855**	**2.3217**	**.00102**	**.70363**	**.05224**	F **4490.8**	**.16969**
Stddev	.089	.0097	.00038	.00333	.00066	7.6	.00150
%RSD	.47296	.41795	37.246	.47339	1.2681	.16957	.88665
#1	18.787	2.3125	.00141	.70471	.05223	4482.3	.17111
#2	18.823	2.3207	.00065	.69990	.05290	4493.3	.16812
#3	18.956	2.3318	.00100	.70629	.05158	4496.9	.16985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036347 Acquired: 2/18/2011 21:09:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356831-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-81.117**	F **479.96**	F **-2455.5**	**.00078**	**.00448**	**57.334**	**.00399**
Stddev	3.651	1.65	10.7	.00142	.00052	.155	.00068
%RSD	4.5005	.34354	.43578	181.14	11.617	.27037	17.000
#1	-76.909	478.07	-2443.7	-.00082	.00456	57.512	.00433
#2	-83.003	481.08	-2458.1	.00188	.00496	57.261	.00321
#3	-83.439	480.73	-2464.6	.00129	.00393	57.228	.00442
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15046**	**.24807**	**.00682**	**.09157**	**.34142**	**23.254**
Stddev	.00085	.00183	.00176	.00125	.00136	.247
%RSD	.56331	.73900	25.851	1.3616	.39823	1.0605
#1	.14949	.24611	.00709	.09059	.33986	23.098
#2	.15087	.24973	.00494	.09114	.34228	23.539
#3	.15103	.24838	.00843	.09297	.34214	23.126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76341.**	**57153.**
Stddev	503.	265.
%RSD	.65854	.46345
#1	76681.	57166.
#2	75763.	57411.
#3	76577.	56882.

Approved: February 21, 2011

Sample Name: L1102036348S Acquired: 2/18/2011 21:13:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356831-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03933**	**64.288**	**.09492**	**.04641**	**.50356**	**.00296**	**436.47**
Stddev	.00048	.336	.00196	.00074	.00008	.00005	.85
%RSD	1.2118	.52244	2.0693	1.5855	.01611	1.6128	.19516
#1	.03987	64.195	.09703	.04726	.50361	.00300	435.62
#2	.03901	64.008	.09315	.04590	.50359	.00297	436.46
#3	.03909	64.661	.09458	.04608	.50346	.00291	437.33
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00843**	**.02578**	**.06509**	**.22031**	**63.405**	**14.312**	**.07293**
Stddev	.00007	.00022	.00019	.00185	.040	.058	.00123
%RSD	.85735	.84712	.29040	.83819	.06384	.40571	1.6840
#1	.00849	.02586	.06527	.21818	63.424	14.372	.07311
#2	.00846	.02594	.06489	.22145	63.359	14.256	.07406
#3	.00835	.02553	.06511	.22131	63.433	14.308	.07162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.423**	**2.5903**	**.00091**	**.76182**	**.05528**	F **4845.0**	**.22816**
Stddev	.032	.0078	.00020	.00737	.00059	16.6	.00093
%RSD	.15472	.30321	22.052	.96802	1.0644	.34309	.40842
#1	20.394	2.5819	.00085	.77009	.05534	4834.9	.22783
#2	20.417	2.5914	.00113	.75942	.05584	4835.9	.22743
#3	20.457	2.5975	.00074	.75594	.05467	4864.2	.22921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036348S Acquired: 2/18/2011 21:13:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356831-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-71.749**	F **514.62**	F **-2677.4**	**.00000**	**.00112**	**66.092**	**.00426**
Stddev	16.583	1.11	4.6	.0023	.00107	.195	.00010
%RSD	23.112	.21601	.17290	56356.	95.331	.29449	2.2460
#1	-71.799	513.91	-2679.6	.00173	.00207	65.974	.00427
#2	-88.307	514.05	-2672.1	-.00257	.00134	65.985	.00435
#3	-55.141	515.90	-2680.5	.00083	-.00004	66.317	.00416
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16492**	**.31929**	**.00618**	**.10047**	**.38816**	**24.508**
Stddev	.00081	.00221	.00162	.00057	.00117	.273
%RSD	.49086	.69065	26.185	.56275	.30187	1.1151
#1	.16444	.32184	.00433	.10106	.38720	24.775
#2	.16446	.31805	.00689	.09993	.38781	24.229
#3	.16585	.31799	.00732	.10042	.38947	24.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74250.**	**55981.**
Stddev	260.	349.
%RSD	.34957	.62335
#1	74469.	55671.
#2	74318.	56359.
#3	73963.	55913.

Approved: February 21, 2011

Sample Name: L1102036349SD Acquired: 2/18/2011 21:16:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356831-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04039**	**49.917**	**.09165**	**.03566**	**.48720**	**.00326**	**437.90**
Stddev	.00026	.182	.00101	.00155	.00167	.00004	1.50
%RSD	.64902	.36434	1.1031	4.3519	.34321	1.3346	.34339
#1	.04069	49.881	.09221	.03439	.48531	.00322	436.21
#2	.04029	50.114	.09048	.03520	.48781	.00324	439.09
#3	.04019	49.756	.09226	.03739	.48848	.00331	438.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**.02500**	**.05761**	**.21544**	**56.934**	**11.575**	**.06210**
Stddev	.00023	.00029	.00058	.00084	.161	.104	.00430
%RSD	2.7085	1.1438	1.0130	.38794	.28253	.89541	6.9201
#1	.00817	.02470	.05801	.21467	56.754	11.471	.05909
#2	.00822	.02527	.05694	.21533	56.984	11.576	.06019
#3	.00858	.02503	.05789	.21633	57.064	11.678	.06702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.671**	**2.5369**	**.00117**	**.74768**	**.05332**	F **4799.0**	**.22634**
Stddev	.075	.0098	.00027	.01491	.00138	18.7	.00096
%RSD	.39937	.38572	22.986	1.9945	2.5891	.38867	.42444
#1	18.614	2.5257	.00101	.73927	.05385	4779.5	.22544
#2	18.644	2.5432	.00103	.73888	.05175	4800.8	.22735
#3	18.755	2.5420	.00148	.76490	.05435	4816.7	.22622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036349SD Acquired: 2/18/2011 21:16:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356831-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-71.312**	F **518.60**	F **-2668.9**	**.00190**	**.00419**	**76.366**	**.00357**
Stddev	11.335	1.05	7.0	.00013	.00288	.470	.00018
%RSD	15.894	.20330	.26383	6.9285	68.905	.61604	5.0012
#1	-74.378	517.60	-2661.8	.00176	.00118	76.071	.00337
#2	-58.760	518.49	-2675.9	.00193	.00693	76.118	.00372
#3	-80.799	519.70	-2669.0	.00202	.00446	76.909	.00363
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16054**	**.12342**	**.00678**	**.08974**	**.32905**	**19.121**
Stddev	.00028	.00179	.00123	.00044	.00101	.130
%RSD	.17272	1.4470	18.083	.49065	.30721	.67962
#1	.16032	.12136	.00590	.08997	.32799	19.267
#2	.16085	.12455	.00627	.09002	.32915	19.019
#3	.16045	.12434	.00818	.08924	.33000	19.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74001.**	**55597.**
Stddev	141.	58.
%RSD	.19111	.10433
#1	74164.	55631.
#2	73917.	55530.
#3	73922.	55631.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 21:20:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38609**	**9.7037**	**.40202**	**.47699**	**.98748**	**.04825**	**9.9069**
Stddev	.00232	.1085	.00176	.00459	.00332	.00042	.0261
%RSD	.60100	1.1183	.43770	.96132	.33625	.86591	.26325
#1	.38375	9.5894	.40248	.47200	.98369	.04781	9.8864
#2	.38612	9.7163	.40007	.47795	.98887	.04831	9.9363
#3	.38839	9.8054	.40350	.48102	.98988	.04864	9.8981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05095**	**.20153**	**.48234**	**.49449**	**3.9577**	**49.428**	**.99232**
Stddev	.00019	.00054	.00428	.00046	.0141	.202	.00392
%RSD	.37690	.26989	.88644	.09231	.35740	.40955	.39518
#1	.05073	.20091	.47748	.49415	3.9454	49.206	.98919
#2	.05103	.20175	.48402	.49431	3.9546	49.474	.99104
#3	.05109	.20193	.48553	.49501	3.9732	49.603	.99672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9724**	**.49674**	**.98824**	**49.718**	**.50300**	F **7.2585**	**.51978**
Stddev	.0049	.00194	.00067	.263	.00100	3.3831	.00325
%RSD	.04942	.39133	.06816	.52817	.19827	46.608	.62461
#1	9.9668	.49460	.98784	49.431	.50197	10.058	.51616
#2	9.9749	.49840	.98785	49.775	.50306	3.4993	.52075
#3	9.9757	.49724	.98901	49.947	.50396	8.2184	.52243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 21:20:26 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-30.621**	**9.9629**	F **13.865**	**1.2111**	**.40114**	F **3.9712**	**1.0033**
Stddev	13.507	.0527	1.774	.0028	.00194	.0992	.0006
%RSD	44.111	.52895	12.793	.22827	.48304	2.4987	.05764
#1	-44.302	9.9509	12.366	1.2085	.39953	3.8573	1.0027
#2	-17.295	10.021	13.405	1.2107	.40059	4.0389	1.0033
#3	-30.266	9.9173	15.823	1.2140	.40329	4.0175	1.0038
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98070**	**1.0250**	**.50561**	**.94751**	**.99308**	F **1.5309**
Stddev	.00289	.0034	.00234	.00712	.00100	.3533
%RSD	.29499	.33574	.46347	.75122	.10066	23.075
#1	.97736	1.0229	.50295	.93940	.99194	1.9327
#2	.98223	1.0290	.50651	.95038	.99355	1.3910
#3	.98250	1.0231	.50737	.95274	.99377	1.2690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77615.**	**55070.**
Stddev	623.	422.
%RSD	.80218	.76659
#1	76911.	55526.
#2	77844.	54991.
#3	78091.	54692.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 21:23:56 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.01242**	**.00104**	**.00024**	**-.00038**	**.00004**	**.02116**
Stddev	.00056	.00330	.00244	.00043	.00024	.00004	.00092
%RSD	164.38	26.535	234.83	177.35	62.484	102.76	4.3312
#1	.00054	-.01154	-.00024	-.00023	-.00016	.00007	.02161
#2	-.00029	-.00966	.00386	.00035	-.00063	.00005	.02011
#3	.00078	-.01607	-.00050	.00060	-.00035	-.00001	.02177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00012**	**-.00052**	**-.00080**	**.00228**	**-.08234**	**-.00280**
Stddev	.00017	.00008	.00068	.00059	.00284	.02786	.00213
%RSD	101.10	62.896	131.32	74.488	124.53	33.835	76.182
#1	.00001	-.00010	-.00045	-.00148	.00371	-.05155	-.00059
#2	-.00033	-.00006	.00012	-.00040	-.00099	-.10580	-.00298
#3	-.00018	-.00021	-.00123	-.00051	.00411	-.08968	-.00484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00019**	**.00025**	**.05192**	**.00033**	F **-7.6505**	**.00241**
Stddev	.01621	.00064	.00019	.01335	.00020	1.0695	.00231
%RSD	5554.0	340.90	77.164	25.722	61.110	13.979	95.824
#1	.00738	.00041	.00011	.05819	.00029	-8.5313	.00454
#2	-.01825	-.00053	.00047	.06099	.00015	-6.4606	-.00004
#3	.01175	.00069	.00017	.03658	.00055	-7.9597	.00272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 21:23:56 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.171**	F **-.14839**	F **8.2394**	**-.00184**	**.00516**	**.10197**	**.00026**
Stddev	11.202	.02646	1.3445	.00356	.00206	.10528	.00004
%RSD	27.208	17.833	16.317	193.38	39.983	103.25	16.106
#1	-53.773	-.17010	6.9360	.00226	.00662	.20806	.00022
#2	-37.397	-.15616	9.6214	-.00408	.00280	.10031	.00025
#3	-32.345	-.11892	8.1608	-.00370	.00606	-.00247	.00030
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00050**	**.00124**	**-.00016**	**.00017**	F **.43468**
Stddev	.00044	.00093	.00052	.00079	.00009	.14182
%RSD	362.43	185.39	42.071	502.10	52.342	32.625
#1	.00021	.00045	.00177	.00057	.00026	.28225
#2	.00004	-.00142	.00121	-.00099	.00010	.56272
#3	-.00061	-.00054	.00073	-.00005	.00014	.45906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76356.**	**56335.**
Stddev	105.	343.
%RSD	.13750	.60892
#1	76476.	55985.
#2	76282.	56349.
#3	76310.	56671.

Approved: February 21, 2011

Sample Name: L1102036501 Acquired: 2/18/2011 21:27:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00423**	**65.754**	**.03618**	**.05237**	**.56597**	**.00341**	**359.68**
Stddev	.00076	.812	.00047	.00171	.00072	.00006	1.06
%RSD	18.022	1.2356	1.2941	3.2739	.12787	1.8127	.29449
#1	.00376	64.898	.03581	.05113	.56563	.00334	358.50
#2	.00382	66.515	.03671	.05166	.56680	.00347	360.55
#3	.00511	65.849	.03603	.05433	.56548	.00342	360.00
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**.02715**	**.07890**	**.16827**	**66.237**	**15.986**	**.07829**
Stddev	.00012	.00009	.00079	.00120	.051	.010	.00087
%RSD	3.0497	.33124	.99698	.71524	.07751	.06201	1.1099
#1	.00397	.02719	.07822	.16699	66.188	15.987	.07900
#2	.00392	.02721	.07976	.16847	66.291	15.996	.07732
#3	.00375	.02705	.07871	.16937	66.233	15.976	.07855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.563**	**3.2543**	**.00125**	**.44814**	**.06455**	F **6288.0**	**.23100**
Stddev	.136	.0099	.00020	.01757	.00033	13.9	.00185
%RSD	.51365	.30479	16.145	3.9199	.51726	.22058	.80132
#1	26.406	3.2433	.00138	.42822	.06489	6278.5	.23062
#2	26.658	3.2570	.00102	.46143	.06454	6281.5	.23301
#3	26.623	3.2626	.00135	.45477	.06422	6303.9	.22937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036501 Acquired: 2/18/2011 21:27:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-66.612**	F **401.92**	F **-1347.1**	**.00028**	**.00394**	**57.584**	**.00399**
Stddev	9.424	1.01	1.3	.00221	.00312	.053	.00040
%RSD	14.147	.25041	.09751	799.70	79.249	.09269	10.134
#1	-77.482	400.85	-1348.4	-.00102	.00753	57.524	.00372
#2	-61.596	402.04	-1347.2	-.00097	.00246	57.627	.00445
#3	-60.757	402.86	-1345.8	.00282	.00184	57.600	.00379
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19892**	**.31827**	**.00975**	**.10670**	**.42510**	**23.268**
Stddev	.00033	.00394	.00174	.00147	.00165	.179
%RSD	.16412	1.2394	17.873	1.3804	.38770	.76925
#1	.19858	.31381	.01151	.10510	.42370	23.265
#2	.19896	.31970	.00973	.10800	.42468	23.090
#3	.19923	.32130	.00802	.10700	.42692	23.448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75815.**	**57082.**
Stddev	542.	686.
%RSD	.71469	1.2015
#1	76252.	57786.
#2	75984.	56416.
#3	75209.	57044.

Approved: February 21, 2011

Sample Name: L1102036502 Acquired: 2/18/2011 21:31:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**47.739**	**.02970**	**.04556**	**.50549**	**.00301**	**377.49**
Stddev	.00080	.095	.00069	.00108	.00091	.00003	.86
%RSD	19.062	.19821	2.3125	2.3744	.18023	1.0917	.22820
#1	.00374	47.790	.03035	.04432	.50445	.00301	376.68
#2	.00375	47.630	.02978	.04619	.50585	.00297	377.40
#3	.00514	47.797	.02898	.04619	.50616	.00304	378.40
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**.02302**	**.06186**	**.68534**	**54.313**	**13.222**	**.06336**
Stddev	.00023	.00008	.00054	.00231	.176	.056	.00251
%RSD	5.5850	.32762	.86791	.33661	.32404	.42070	3.9556
#1	.00422	.02299	.06248	.68298	54.109	13.222	.06087
#2	.00387	.02297	.06156	.68543	54.419	13.167	.06332
#3	.00430	.02311	.06154	.68759	54.409	13.278	.06588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.290**	**2.8051**	**.00161**	**.32720**	**.05249**	F **13999.**	**.20280**
Stddev	.102	.0064	.00034	.01464	.00039	17.	.00160
%RSD	.43891	.22906	20.811	4.4739	.74181	.12482	.79026
#1	23.189	2.8035	.00194	.31036	.05259	13979.	.20099
#2	23.288	2.7996	.00162	.33434	.05206	14003.	.20403
#3	23.393	2.8121	.00127	.33691	.05281	14014.	.20338
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036502 Acquired: 2/18/2011 21:31:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.596**	F **429.59**	F **-1613.9**	**-.00082**	**.00506**	**48.808**	**.00548**
Stddev	10.081	1.05	6.1	.00135	.00330	.301	.00017
%RSD	22.605	.24547	.37496	164.29	65.199	.61658	3.0716
#1	-33.456	428.64	-1608.6	-.00225	.00631	48.769	.00553
#2	-47.242	429.39	-1620.5	-.00063	.00755	48.528	.00562
#3	-53.089	430.72	-1612.6	.00042	.00132	49.126	.00530
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22420**	**.17705**	**.00544**	**.08198**	**.50826**	**16.217**
Stddev	.00034	.00147	.00067	.00057	.00166	.031
%RSD	.15235	.83115	12.405	.69893	.32734	.19411
#1	.22383	.17874	.00474	.08263	.50685	16.228
#2	.22425	.17610	.00608	.08155	.50784	16.182
#3	.22451	.17630	.00550	.08175	.51010	16.242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74073.**	**55069.**
Stddev	237.	201.
%RSD	.31964	.36493
#1	74321.	55230.
#2	74047.	55134.
#3	73849.	54844.

Approved: February 21, 2011

Sample Name: L1102036503 Acquired: 2/18/2011 21:34:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00494**	**73.315**	**.03441**	**.05830**	**.54896**	**.00366**	**375.19**
Stddev	.00038	1.571	.00138	.00208	.00311	.00012	1.71
%RSD	7.7684	2.1422	4.0080	3.5618	.56720	3.2394	.45492
#1	.00500	71.601	.03294	.05767	.54553	.00356	373.25
#2	.00529	73.661	.03460	.05662	.54972	.00362	375.83
#3	.00453	74.684	.03568	.06062	.55162	.00379	376.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00392**	**.02715**	**.08716**	**.24090**	**68.278**	**16.464**	**.08231**
Stddev	.00006	.00023	.00170	.00075	.291	.095	.00318
%RSD	1.5651	.83521	1.9461	.31288	.42575	.57966	3.8639
#1	.00392	.02695	.08544	.24012	67.965	16.361	.08139
#2	.00386	.02710	.08721	.24096	68.331	16.549	.07969
#3	.00398	.02739	.08883	.24162	68.539	16.484	.08585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.170**	**3.2624**	**.00130**	**.48188**	**.06585**	F **10961.**	**.19037**
Stddev	.083	.0086	.00017	.00434	.00066	47.	.00383
%RSD	.30490	.26373	12.763	.90031	1.0029	.42701	2.0097
#1	27.077	3.2530	.00119	.47705	.06570	10930.	.19463
#2	27.197	3.2642	.00149	.48313	.06657	10938.	.18722
#3	27.236	3.2700	.00122	.48545	.06527	11015.	.18926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036503 Acquired: 2/18/2011 21:34:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-49.504**	F **416.46**	F **-1369.2**	**.00108**	**.00777**	**51.749**	**.00476**
Stddev	11.724	.98	4.1	.00326	.00433	.350	.00026
%RSD	23.683	.23442	.29588	302.88	55.720	.67545	5.3657
#1	-48.591	415.60	-1365.1	.00474	.01119	51.348	.00470
#2	-38.264	416.27	-1373.2	-.00150	.00290	51.908	.00504
#3	-61.658	417.52	-1369.1	.00000	.00923	51.991	.00453
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19661**	**.35674**	**.00771**	**.11242**	**.48493**	**24.801**
Stddev	.00070	.00312	.00139	.00267	.00159	.506
%RSD	.35830	.87474	18.011	2.3720	.32696	2.0390
#1	.19588	.35380	.00650	.10949	.48346	24.231
#2	.19729	.35640	.00922	.11309	.48471	25.194
#3	.19666	.36001	.00739	.11469	.48661	24.979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75627.**	**54529.**
Stddev	357.	458.
%RSD	.47251	.83967
#1	75688.	54807.
#2	75951.	54780.
#3	75244.	54001.

Approved: February 21, 2011

Sample Name: L1102036504 Acquired: 2/18/2011 21:38:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00569**	**78.606**	**.04019**	**.06401**	**.58851**	**.00384**	**384.26**
Stddev	.00038	.537	.00116	.00155	.00287	.00005	2.69
%RSD	6.6761	.68328	2.8840	2.4246	.48704	1.3377	.70122
#1	.00613	78.887	.03907	.06227	.58537	.00378	381.34
#2	.00553	78.944	.04010	.06449	.59098	.00386	384.80
#3	.00542	77.986	.04139	.06526	.58918	.00387	386.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	**.02986**	**.09395**	**.24492**	**71.908**	**17.846**	**.08867**
Stddev	.00015	.00028	.00047	.00306	.342	.132	.00221
%RSD	3.3443	.92703	.50551	1.2505	.47509	.74131	2.4914
#1	.00443	.02955	.09355	.24234	71.517	17.694	.08633
#2	.00428	.03010	.09382	.24411	72.143	17.923	.08896
#3	.00457	.02992	.09447	.24830	72.066	17.923	.09071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.709**	**3.5224**	**.00181**	**.52421**	**.07340**	F **11739.**	**.22184**
Stddev	.172	.0255	.00025	.00556	.00088	120.	.00320
%RSD	.60012	.72413	14.039	1.0601	1.2014	1.0254	1.4412
#1	28.513	3.4958	.00192	.53063	.07238	11608.	.21819
#2	28.778	3.5247	.00198	.52098	.07388	11764.	.22321
#3	28.836	3.5466	.00151	.52102	.07394	11844.	.22413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036504 Acquired: 2/18/2011 21:38:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.302**	F **445.64**	F **-1464.4**	**-.00074**	**.00107**	**55.213**	**.00536**
Stddev	17.218	5.17	15.6	.00142	.00406	.483	.00023
%RSD	30.049	1.1609	1.0638	191.01	378.78	.87391	4.3353
#1	-70.826	440.31	-1452.6	-.00066	.00506	54.663	.00509
#2	-63.162	445.96	-1458.7	-.00221	.00121	55.566	.00545
#3	-37.919	450.64	-1482.1	.00064	-.00305	55.411	.00553
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19769**	**.41554**	**.00885**	**.11834**	**.54829**	**28.440**
Stddev	.00125	.00495	.00117	.00133	.00639	.348
%RSD	.63005	1.1903	13.173	1.1208	1.1651	1.2244
#1	.19626	.41068	.00829	.11789	.54169	28.140
#2	.19826	.41538	.01019	.11731	.54874	28.359
#3	.19854	.42057	.00807	.11984	.55445	28.822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74891.**	**55772.**
Stddev	164.	141.
%RSD	.21863	.25355
#1	75054.	55900.
#2	74727.	55797.
#3	74891.	55620.

Approved: February 21, 2011

Sample Name: L1102036505 Acquired: 2/18/2011 21:41:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**46.399**	**.03642**	**.04074**	**.70663**	**.00232**	**82.197**
Stddev	.00058	.204	.00147	.00197	.00422	.00002	.127
%RSD	14.908	.44012	4.0386	4.8470	.59671	.74369	.15481
#1	.00442	46.173	.03674	.04206	.70177	.00232	82.106
#2	.00327	46.570	.03481	.03847	.70878	.00233	82.142
#3	.00405	46.454	.03770	.04169	.70934	.00230	82.342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**.02915**	**.04813**	**.30536**	**64.508**	**10.467**	**.06509**
Stddev	.00008	.00014	.00013	.00178	.322	.089	.00271
%RSD	2.4952	.47878	.26777	.58391	.49882	.85233	4.1583
#1	.00302	.02925	.04800	.30427	64.137	10.561	.06406
#2	.00310	.02920	.04825	.30439	64.668	10.383	.06816
#3	.00318	.02899	.04815	.30742	64.717	10.457	.06305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.953**	**3.0372**	**.00310**	**.40581**	**.04600**	F **4807.7**	**.19015**
Stddev	.051	.0034	.00004	.01201	.00039	11.7	.00067
%RSD	.28306	.11062	1.2052	2.9593	.85028	.24359	.35153
#1	17.900	3.0360	.00306	.41949	.04621	4795.8	.19062
#2	17.957	3.0345	.00313	.40092	.04555	4808.1	.18938
#3	18.001	3.0410	.00311	.39701	.04625	4819.2	.19044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036505 Acquired: 2/18/2011 21:41:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.981**	F **126.15**	F **-1406.7**	**-.00099**	**.00620**	**56.164**	**.00478**
Stddev	13.141	.64	14.1	.00205	.00210	.218	.00017
%RSD	28.578	.50562	1.0036	205.96	33.933	.38851	3.4836
#1	-59.821	125.66	-1390.8	-.00335	.00748	55.963	.00495
#2	-33.674	125.92	-1412.0	.00001	.00734	56.132	.00461
#3	-44.448	126.87	-1417.5	.00035	.00377	56.396	.00479
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21498**	**.30345**	**.00673**	**.08721**	**.38066**	**15.747**
Stddev	.00007	.00089	.00086	.00097	.00121	.081
%RSD	.03205	.29492	12.714	1.1145	.31748	.51486
#1	.21505	.30297	.00721	.08815	.37966	15.667
#2	.21495	.30289	.00724	.08728	.38031	15.829
#3	.21492	.30448	.00574	.08621	.38200	15.745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78175.**	**56121.**
Stddev	1503.	216.
%RSD	1.9224	.38509
#1	76455.	56169.
#2	78837.	56310.
#3	79233.	55885.

Approved: February 21, 2011

Sample Name: L1102036506 Acquired: 2/18/2011 21:45:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00318**	**54.200**	**.03778**	**.03871**	**.64066**	**.00337**	**211.26**
Stddev	.00067	.538	.00127	.00146	.00448	.00003	1.45
%RSD	21.145	.99245	3.3596	3.7596	.70005	.79494	.68582
#1	.00275	53.591	.03845	.03708	.63686	.00334	209.75
#2	.00395	54.401	.03857	.03920	.63951	.00339	211.40
#3	.00284	54.609	.03631	.03986	.64561	.00338	212.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**.02945**	**.07561**	**.19397**	**66.213**	**11.700**	**.06494**
Stddev	.00011	.00012	.00065	.00227	.406	.124	.00167
%RSD	2.9206	.42113	.86507	1.1689	.61358	1.0623	2.5710
#1	.00359	.02933	.07487	.19183	65.815	11.558	.06326
#2	.00380	.02946	.07582	.19373	66.197	11.789	.06497
#3	.00377	.02957	.07613	.19635	66.627	11.754	.06660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.832**	**3.8397**	**.00265**	**.45185**	**.06560**	F **4495.2**	**.23387**
Stddev	.192	.0240	.00012	.01255	.00059	45.4	.00362
%RSD	.77369	.62456	4.4618	2.7772	.89606	1.0089	1.5500
#1	24.621	3.8144	.00251	.46074	.06538	4451.8	.22997
#2	24.880	3.8426	.00274	.45732	.06516	4491.3	.23452
#3	24.996	3.8620	.00269	.43750	.06627	4542.3	.23713
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036506 Acquired: 2/18/2011 21:45:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-98.751**	F **250.05**	F **-1057.8**	**-.00120**	**.00783**	**51.571**	**.00463**
Stddev	6.372	2.45	12.6	.00162	.00213	.268	.00013
%RSD	6.4530	.97907	1.1885	134.90	27.232	.51901	2.8121
#1	-100.98	247.62	-1044.3	-.00255	.00685	51.296	.00452
#2	-91.564	250.01	-1060.2	.00060	.01027	51.586	.00461
#3	-103.71	252.52	-1069.1	-.00167	.00636	51.831	.00477
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21646**	**.20753**	**.00764**	**.09474**	**.43098**	**21.962**
Stddev	.00155	.00098	.00045	.00092	.00424	.210
%RSD	.71410	.47333	5.8629	.96775	.98476	.95552
#1	.21468	.20682	.00779	.09372	.42659	22.033
#2	.21723	.20865	.00798	.09500	.43130	21.726
#3	.21747	.20712	.00713	.09549	.43506	22.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77779.**	**58859.**
Stddev	136.	141.
%RSD	.17435	.23881
#1	77885.	58942.
#2	77827.	58939.
#3	77626.	58697.

Approved: February 21, 2011

Sample Name: L1102036507 Acquired: 2/18/2011 21:48:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	**31.983**	**.03529**	**.03197**	**.58198**	**.00106**	**45.133**
Stddev	.00070	.081	.00085	.00172	.00110	.00001	.053
%RSD	22.072	.25256	2.4083	5.3834	.18907	.83509	.11736
#1	.00387	32.006	.03522	.03335	.58072	.00105	45.077
#2	.00318	32.049	.03448	.03004	.58274	.00107	45.183
#3	.00247	31.893	.03617	.03251	.58248	.00106	45.138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00184**	**.02508**	**.03064**	**.19773**	**58.605**	**5.4124**	**.05265**
Stddev	.00003	.00028	.00111	.00040	.182	.0295	.00086
%RSD	1.8621	1.1162	3.6095	.20096	.31070	.54492	1.6281
#1	.00185	.02476	.03013	.19727	58.405	5.4090	.05188
#2	.00180	.02521	.03191	.19799	58.762	5.4434	.05357
#3	.00187	.02528	.02989	.19793	58.647	5.3848	.05249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**13.712**	**1.8391**	**.00238**	**.40334**	**.03043**	F **6453.3**	**.10622**
Stddev	.045	.0038	.00038	.00896	.00014	30.6	.00138
%RSD	.32775	.20561	16.050	2.2210	.45813	.47361	1.2977
#1	13.688	1.8350	.00264	.40349	.03032	6469.7	.10548
#2	13.683	1.8397	.00256	.39430	.03059	6418.1	.10781
#3	13.763	1.8425	.00194	.41222	.03040	6472.2	.10537
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036507 Acquired: 2/18/2011 21:48:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.962**	F **69.197**	F **-772.26**	**-.00108**	**.00678**	F **107.16**	**.00432**
Stddev	17.490	.197	2.85	.00028	.00357	.14	.00060
%RSD	35.722	.28502	.36874	26.121	52.610	.12973	13.963
#1	-68.968	69.085	-773.19	-.00117	.00573	107.04	.00491
#2	-36.568	69.081	-769.06	-.00129	.00386	107.31	.00435
#3	-41.349	69.425	-774.52	-.00076	.01075	107.13	.00370
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24599**	**.41314**	**.00574**	**.08978**	**.37098**	**18.627**
Stddev	.00067	.00283	.00095	.00121	.00065	.283
%RSD	.27044	.68586	16.516	1.3468	.17589	1.5184
#1	.24551	.41029	.00673	.08855	.37070	18.939
#2	.24675	.41315	.00484	.09096	.37052	18.552
#3	.24571	.41596	.00566	.08984	.37173	18.388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76794.**	**57005.**
Stddev	159.	221.
%RSD	.20733	.38687
#1	76978.	57243.
#2	76700.	56808.
#3	76705.	56964.

Approved: February 21, 2011

Sample Name: L1102036508 Acquired: 2/18/2011 21:52:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00327**	**28.426**	**.02948**	**.02751**	**.47898**	**.00090**	**45.341**
Stddev	.00075	.071	.00071	.00024	.00409	.00004	.477
%RSD	22.857	.25043	2.4165	.87982	.85426	4.8478	1.0519
#1	.00245	28.390	.03012	.02769	.47437	.00085	44.897
#2	.00345	28.380	.02960	.02724	.48038	.00093	45.283
#3	.00391	28.508	.02871	.02760	.48218	.00092	45.845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**.02342**	**.03024**	**.13480**	**55.087**	**4.3410**	**.04469**
Stddev	.00012	.00017	.00093	.00127	.434	.1288	.00128
%RSD	8.1976	.71208	3.0662	.94538	.78855	2.9659	2.8748
#1	.00152	.02331	.02920	.13376	54.642	4.1929	.04342
#2	.00149	.02361	.03057	.13442	55.107	4.4042	.04468
#3	.00130	.02335	.03096	.13622	55.510	4.4260	.04599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**12.623**	**1.6305**	**.00122**	**.42132**	**.02930**	F **6337.8**	**.09271**
Stddev	.107	.0138	.00005	.02218	.00006	38.6	.00199
%RSD	.84930	.84335	3.8632	5.2638	.20985	.60976	2.1449
#1	12.522	1.6186	.00120	.41962	.02936	6313.7	.09347
#2	12.612	1.6273	.00127	.40004	.02924	6317.3	.09045
#3	12.735	1.6455	.00119	.44430	.02929	6382.4	.09420
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036508 Acquired: 2/18/2011 21:52:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.359**	F **62.113**	F **-446.97**	**-.00178**	**.00185**	F **107.46**	**.00293**
Stddev	4.037	.540	2.77	.00458	.00576	.87	.00062
%RSD	10.003	.87012	.61883	256.61	312.27	.81056	21.028
#1	-43.408	61.556	-446.38	-.00385	.00781	106.76	.00256
#2	-41.889	62.146	-444.55	.00346	-.00369	107.18	.00259
#3	-35.780	62.636	-449.99	-.00497	.00142	108.43	.00365
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21826**	**.39594**	**.00516**	**.09242**	**.23755**	**18.906**
Stddev	.00222	.00160	.00224	.00029	.00214	.173
%RSD	1.0189	.40300	43.345	.30897	.90018	.91546
#1	.21647	.39428	.00721	.09219	.23577	19.060
#2	.21757	.39608	.00551	.09274	.23696	18.939
#3	.22075	.39746	.00277	.09232	.23992	18.719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75653.**	**55184.**
Stddev	267.	148.
%RSD	.35266	.26767
#1	75755.	55285.
#2	75855.	55015.
#3	75351.	55254.

Approved: February 21, 2011

Sample Name: L1102036509 Acquired: 2/18/2011 21:55:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**41.403**	**.03904**	**.03624**	**.64037**	**.00215**	**109.51**
Stddev	.00101	.383	.00215	.00145	.00766	.00003	1.26
%RSD	32.676	.92416	5.5164	4.0003	1.1968	1.4194	1.1520
#1	.00415	40.964	.03665	.03493	.63179	.00211	108.13
#2	.00301	41.581	.03963	.03600	.64279	.00216	109.79
#3	.00214	41.664	.04084	.03780	.64653	.00217	110.61
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**.02990**	**.04289**	**.19529**	**59.883**	**9.0747**	**.06152**
Stddev	.00018	.00066	.00029	.00589	.667	.1131	.00411
%RSD	7.3828	2.2152	.68293	3.0139	1.1145	1.2458	6.6794
#1	.00242	.02933	.04255	.18962	59.157	8.9471	.05919
#2	.00227	.02975	.04304	.19488	60.022	9.1150	.06627
#3	.00263	.03063	.04307	.20137	60.470	9.1621	.05911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.093**	**2.4631**	**.00380**	**.44713**	**.04474**	F **6118.9**	**.14430**
Stddev	.233	.0284	.00040	.01251	.00097	138.7	.00419
%RSD	1.2210	1.1511	10.394	2.7989	2.1756	2.2661	2.9052
#1	18.830	2.4317	.00345	.44860	.04378	5978.1	.13964
#2	19.175	2.4709	.00372	.45884	.04471	6123.2	.14550
#3	19.274	2.4868	.00423	.43394	.04572	6255.3	.14776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036509 Acquired: 2/18/2011 21:55:49 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-11.762**	F **156.25**	F **-1180.2**	**-.00072**	**.00633**	**65.084**	**.00332**
Stddev	10.657	3.13	26.7	.00208	.00183	1.402	.00027
%RSD	90.607	2.0038	2.2652	291.32	28.877	2.1538	8.0080
#1	-18.095	153.33	-1155.1	.00141	.00529	63.736	.00352
#2	.5421	155.87	-1177.4	-.00275	.00845	64.981	.00341
#3	-17.732	159.56	-1208.3	-.00081	.00526	66.534	.00302
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27815**	**.29916**	**.00596**	**.09714**	**.35001**	**18.691**
Stddev	.00272	.00739	.00038	.00009	.00776	.117
%RSD	.97883	2.4719	6.3081	.09546	2.2173	.62392
#1	.27521	.29082	.00558	.09722	.34245	18.614
#2	.27866	.30173	.00633	.09717	.34961	18.634
#3	.28058	.30493	.00597	.09704	.35796	18.825
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75129.**	**53043.**
Stddev	558.	216.
%RSD	.74281	.40661
#1	74493.	52877.
#2	75359.	52966.
#3	75536.	53287.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 21:59:21 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39413**	**9.9402**	**.40949**	**.48781**	**1.0024**	**.04912**	**10.122**
Stddev	.00378	.0776	.00384	.00191	.0042	.00035	.039
%RSD	.95924	.78034	.93795	.39079	.41521	.71917	.38625
#1	.39182	9.8754	.40530	.48771	.99829	.04889	10.081
#2	.39850	10.026	.41031	.48976	1.0022	.04953	10.158
#3	.39208	9.9190	.41285	.48596	1.0066	.04894	10.127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05176**	**.20518**	**.49039**	**.50475**	**4.0281**	**50.480**	**1.0090**
Stddev	.00010	.00067	.00460	.00259	.0084	.239	.0082
%RSD	.19769	.32857	.93879	.51232	.20794	.47312	.81313
#1	.05165	.20452	.48807	.50188	4.0202	50.206	1.0001
#2	.05179	.20515	.49569	.50545	4.0273	50.590	1.0106
#3	.05185	.20587	.48741	.50690	4.0369	50.644	1.0163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.126**	**.50902**	**1.0082**	**50.446**	**.51327**	F **6.1637**	**.52474**
Stddev	.078	.00332	.0055	.235	.00245	.4472	.00338
%RSD	.77079	.65270	.54059	.46583	.47810	7.2561	.64393
#1	10.039	.50523	1.0036	50.235	.51063	6.5716	.52665
#2	10.152	.51143	1.0067	50.403	.51369	5.6855	.52084
#3	10.189	.51039	1.0142	50.699	.51548	6.2339	.52673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 21:59:21 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-35.928**	**10.153**	F **14.441**	**1.2371**	**.40734**	F **4.3140**	**1.0251**
Stddev	6.433	.045	1.847	.0044	.00268	.1164	.0057
%RSD	17.904	.44383	12.788	.35434	.65726	2.6981	.55966
#1	-35.673	10.112	14.585	1.2335	.40425	4.1810	1.0190
#2	-42.485	10.147	16.211	1.2358	.40874	4.3970	1.0261
#3	-29.627	10.201	12.526	1.2420	.40902	4.3641	1.0303
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**1.0501**	**.51344**	**.96665**	**1.0158**	F **1.5600**
Stddev	.0064	.0059	.00303	.00616	.0037	.0999
%RSD	.64028	.56171	.59064	.63680	.36737	6.4050
#1	.99572	1.0434	.51271	.96363	1.0120	1.4814
#2	1.0080	1.0545	.51084	.97374	1.0160	1.5262
#3	1.0051	1.0525	.51677	.96259	1.0195	1.6725
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75817.**	**54771.**
Stddev	325.	326.
%RSD	.42923	.59441
#1	75505.	54966.
#2	75790.	54395.
#3	76154.	54952.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 22:02:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**-.00626**	**.00113**	**.00051**	**-.00035**	**.00004**	**.00989**
Stddev	.00049	.00446	.00164	.00147	.00023	.00003	.01970
%RSD	40.836	71.332	145.57	289.36	67.342	61.764	199.16
#1	.00069	-.00201	-.00071	-.00079	-.00051	.00004	.03244
#2	.00167	-.01091	.00163	.00021	-.00045	.00002	.00121
#3	.00127	-.00585	.00246	.00210	-.00008	.00007	-.00397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00004**	**-.00056**	**-.00037**	**.00578**	**-.03128**	**-.00041**
Stddev	.00014	.00013	.00046	.00104	.00387	.01823	.00195
%RSD	363.30	331.46	82.864	284.21	66.915	58.287	477.53
#1	-.00007	.00009	-.00108	-.00103	.00675	-.04807	-.00049
#2	.00019	-.00017	-.00020	.00084	.00907	-.01189	.00158
#3	-.00001	-.00004	-.00039	-.00091	.00152	-.03387	-.00232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00011**	**.00064**	**.04037**	**.00053**	F **-8.9985**	**.00284**
Stddev	.01702	.00029	.00021	.01012	.00060	7.5538	.00155
%RSD	15868.	269.58	32.361	25.059	114.68	83.944	54.601
#1	.00105	.00016	.00057	.04559	.00069	-5.8823	.00369
#2	-.01737	.00036	.00088	.04680	-.00014	-17.612	.00378
#3	.01663	-.00020	.00048	.02871	.00103	-3.5015	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 22:02:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.619**	F **-.17637**	F **7.4794**	**-.00352**	**.00108**	**.09669**	**.00007**
Stddev	18.060	.03140	3.6274	.00235	.00174	.11368	.00014
%RSD	43.395	17.804	48.498	66.670	161.06	117.58	209.18
#1	-56.762	-.14937	3.6879	-.00466	.00240	.03892	-.00009
#2	-21.630	-.21083	7.8336	-.00509	-.00089	.02349	.00016
#3	-46.465	-.16890	10.917	-.00082	.00174	.22766	.00014
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00053**	**.00175**	**-.00023**	**.00017**	F **.65306**
Stddev	.00029	.00150	.00237	.00041	.00010	.38910
%RSD	108.16	281.68	136.01	175.77	59.884	59.582
#1	.00061	.00118	.00371	.00006	.00015	.93011
#2	.00009	-.00114	.00241	-.00069	.00008	.82085
#3	.00011	-.00163	-.00089	-.00006	.00028	.20821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77919.**	**56009.**
Stddev	180.	298.
%RSD	.23106	.53254
#1	77744.	55825.
#2	77910.	56353.
#3	78103.	55849.

Approved: February 21, 2011

Sample Name: PBS 3B Acquired: 2/18/2011 22:06:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356851-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**-.00064**	**.00026**	**-.00110**	**-.00068**	**.00003**	**.03227**
Stddev	.00047	.00020	.00104	.00127	.00019	.00002	.01386
%RSD	38.619	31.560	391.14	115.71	27.604	50.043	42.940
#1	.00169	-.00065	.00137	.00010	-.00090	.00004	.02665
#2	.00076	-.00083	-.00069	-.00095	-.00061	.00001	.02211
#3	.00118	-.00043	.00011	-.00243	-.00054	.00003	.04806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00042**	**.00042**	**.00008**	**.04975**	**-.07445**	**-.00240**
Stddev	.00002	.00014	.00031	.00089	.00473	.07132	.00189
%RSD	19.331	33.864	72.468	1046.1	9.5109	95.794	78.622
#1	.00010	-.00052	.00033	.00077	.05241	-.05204	-.00445
#2	.00012	-.00026	.00076	.00041	.05257	-.15429	-.00200
#3	.00009	-.00047	.00017	-.00092	.04429	-.01703	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00373**	**-.00001**	**-.00004**	**.06025**	**.00140**	F **-9.8997**	**.00209**
Stddev	.02039	.00051	.00015	.00716	.00043	7.9381	.00053
%RSD	546.95	8010.6	361.86	11.881	30.788	80.185	25.316
#1	.02664	-.00034	-.00019	.06848	.00095	-2.0336	.00165
#2	-.00303	.00058	-.00003	.05684	.00181	-17.908	.00195
#3	-.01243	-.00026	.00010	.05544	.00142	-9.7576	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS 3B Acquired: 2/18/2011 22:06:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356851-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-34.695**	F **-.03817**	**3.9790**	**.00026**	**.00176**	**1.6732**	**.00107**
Stddev	13.374	.04496	1.1388	.00200	.00423	.1634	.00005
%RSD	38.547	117.79	28.621	780.77	239.86	9.7651	4.2139
#1	-49.870	.00617	3.3861	-.00181	.00518	1.5507	.00113
#2	-24.628	-.03695	5.2919	.00041	.00309	1.6102	.00104
#3	-29.586	-.08372	3.2589	.00217	-.00297	1.8587	.00105
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00067**	**-.00075**	**-.00027**	**.00206**	**.56688**
Stddev	.00013	.00216	.00210	.00057	.00003	.40188
%RSD	194.13	322.67	281.50	212.92	1.2438	70.893
#1	-.00019	-.00066	.00157	.00034	.00205	.51046
#2	-.00006	.00148	-.00252	-.00037	.00209	.99399
#3	.00006	-.00283	-.00129	-.00078	.00204	.19619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75297.**	**53649.**
Stddev	340.	347.
%RSD	.45203	.64719
#1	74952.	53920.
#2	75306.	53770.
#3	75632.	53258.

Approved: February 21, 2011

Sample Name: LCSS 3B Acquired: 2/18/2011 22:10:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356851-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18920**	**-.01657**	**.19375**	**-.00093**	**-.00097**	**.00005**	**.01282**
Stddev	.00064	.00187	.00192	.00204	.00022	.00001	.00724
%RSD	.34030	11.314	.99045	219.02	23.192	18.441	56.519
#1	.18929	-.01572	.19254	.00126	-.00089	.00006	.00552
#2	.18979	-.01871	.19276	-.00276	-.00079	.00006	.01293
#3	.18851	-.01526	.19597	-.00130	-.00122	.00004	.02000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02508**	**-.00037**	**.00019**	**.24935**	**.00639**	**-.06128**	**-.00133**
Stddev	.00019	.00008	.00042	.00097	.00573	.02971	.00070
%RSD	.76332	20.933	218.52	.38832	89.558	48.472	52.527
#1	.02497	-.00034	-.00024	.24849	-.00003	-.03547	-.00213
#2	.02530	-.00045	.00061	.24916	.01095	-.05463	-.00106
#3	.02497	-.00030	.00021	.25040	.00827	-.09375	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00405**	**.25782**	**-.00005**	**.02802**	**.00149**	F **-16.187**	**.26632**
Stddev	.01394	.00104	.00012	.01072	.00070	7.671	.00154
%RSD	344.38	.40309	239.02	38.238	47.044	47.391	.57852
#1	.01981	.25891	-.00019	.03352	.00106	-24.995	.26776
#2	-.00102	.25683	.00006	.03488	.00112	-10.973	.26650
#3	-.00665	.25773	-.00003	.01568	.00231	-12.592	.26470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS 3B Acquired: 2/18/2011 22:10:19 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356851-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.209**	F **-.14616**	**6.6565**	**-.00324**	**.00650**	**1.1356**	**.00024**
Stddev	3.202	.03376	.4104	.00306	.00165	.1333	.00010
%RSD	5.2310	23.095	6.1648	94.514	25.326	11.742	39.677
#1	-60.325	-.17307	6.1893	-.00668	.00749	1.1233	.00024
#2	-64.760	-.15713	6.9584	-.00222	.00742	1.0088	.00034
#3	-58.542	-.10829	6.8220	-.00082	.00460	1.2746	.00015
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00121**	**.00093**	**.00008**	**.00202**	**.36431**
Stddev	.00008	.00074	.00075	.00047	.00002	.14225
%RSD	77.514	61.087	80.031	630.25	.75130	39.046
#1	-.00008	.00096	.00142	.00056	.00200	.21293
#2	-.00019	.00064	.00131	-.00039	.00202	.38480
#3	-.00004	.00205	.00007	.00006	.00203	.49521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78626.**	**56479.**
Stddev	387.	299.
%RSD	.49205	.52968
#1	78667.	56259.
#2	78991.	56819.
#3	78220.	56359.

Approved: February 21, 2011

Sample Name: L1102036522 Acquired: 2/18/2011 22:14:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00348**	**52.881**	**.03795**	**.04884**	**.49857**	**.00302**	**325.48**
Stddev	.00048	.205	.00276	.00112	.00159	.00004	.96
%RSD	13.746	.38697	7.2842	2.2865	.31982	1.1884	.29508
#1	.00397	52.977	.03798	.04795	.49673	.00302	324.51
#2	.00346	52.646	.03516	.05009	.49937	.00305	325.49
#3	.00302	53.020	.04069	.04847	.49960	.00298	326.43
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00381**	**.02564**	**.07072**	**.19457**	**58.943**	**11.422**	**.06699**
Stddev	.00025	.00031	.00014	.00117	.112	.037	.00376
%RSD	6.5821	1.2025	.20182	.60310	.19002	.32008	5.6185
#1	.00391	.02556	.07077	.19368	58.828	11.399	.06959
#2	.00352	.02539	.07082	.19413	58.952	11.403	.06871
#3	.00399	.02599	.07055	.19590	59.051	11.464	.06267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.151**	**3.6076**	**.00162**	**.53520**	**.06022**	F **5054.9**	**.26518**
Stddev	.068	.0102	.00028	.02012	.00028	15.5	.00132
%RSD	.26025	.28369	17.325	3.7601	.46528	.30737	.49613
#1	26.074	3.5959	.00130	.51209	.05992	5043.1	.26507
#2	26.203	3.6150	.00183	.54470	.06025	5049.3	.26654
#3	26.176	3.6119	.00174	.54882	.06048	5072.5	.26392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036522 Acquired: 2/18/2011 22:14:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-63.154**	F **383.73**	F **-1821.1**	**-.00050**	**.00724**	**58.495**	**.00388**
Stddev	20.278	1.75	4.1	.00181	.00193	.476	.00010
%RSD	32.109	.45729	.22653	363.91	26.714	.81333	2.5338
#1	-60.243	381.98	-1817.8	-.00258	.00919	57.945	.00398
#2	-44.488	383.71	-1819.9	.00052	.00533	58.756	.00378
#3	-84.730	385.49	-1825.7	.00057	.00719	58.782	.00389
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13756**	**.25143**	**.00815**	**.09476**	**.44118**	**18.862**
Stddev	.00024	.00089	.00136	.00081	.00256	.100
%RSD	.17696	.35557	16.631	.85075	.58138	.52980
#1	.13730	.25193	.00806	.09413	.43831	18.972
#2	.13778	.25039	.00684	.09449	.44201	18.840
#3	.13759	.25195	.00955	.09567	.44323	18.776
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77365.**	**58605.**
Stddev	483.	330.
%RSD	.62402	.56337
#1	77856.	58644.
#2	77349.	58914.
#3	76891.	58257.

Approved: February 21, 2011

Sample Name: L1102036522PS Acquired: 2/18/2011 22:17:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356976-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19561**	**56.692**	**.23841**	**1.0055**	**.97561**	**.02752**	**323.76**
Stddev	.00059	.469	.00046	.0061	.00386	.00012	1.72
%RSD	.30319	.82800	.19276	.60390	.39548	.45200	.53245
#1	.19591	57.229	.23826	1.0122	.97123	.02766	321.79
#2	.19492	56.489	.23892	1.0003	.97853	.02747	324.47
#3	.19598	56.359	.23804	1.0041	.97706	.02743	325.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02944**	**.12326**	**.30229**	**.42819**	**59.540**	**36.022**	**.56169**
Stddev	.00016	.00027	.00192	.00061	.260	.171	.00537
%RSD	.54707	.21655	.63584	.14308	.43729	.47591	.95647
#1	.02927	.12295	.30437	.42886	59.240	35.841	.55646
#2	.02959	.12345	.30058	.42765	59.664	36.183	.56143
#3	.02944	.12336	.30191	.42808	59.714	36.041	.56720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**30.496**	**3.7821**	**.50325**	**26.094**	**.30590**	F **4944.7**	**.50637**
Stddev	.152	.0193	.00102	.100	.00766	16.0	.00439
%RSD	.49888	.51130	.20202	.38492	2.5047	.32423	.86742
#1	30.320	3.7605	.50403	25.980	.30080	4929.5	.50131
#2	30.583	3.7882	.50210	26.170	.31471	4961.5	.50913
#3	30.584	3.7977	.50362	26.133	.30218	4943.1	.50868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036522PS Acquired: 2/18/2011 22:17:33 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356976-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-67.031**	F **377.28**	F **-1790.3**	**.59687**	**.20288**	F **356.95**	**.00464**
Stddev	17.102	1.10	8.0	.00386	.00144	1.31	.00025
%RSD	25.514	.29235	.44783	.64742	.71097	.36804	5.3311
#1	-81.251	376.02	-1781.4	.59553	.20152	355.50	.00492
#2	-48.054	377.74	-1796.9	.60122	.20439	357.28	.00452
#3	-71.787	378.07	-1792.7	.59385	.20273	358.07	.00447
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61426**	**.75949**	**.24846**	**.56276**	**.92371**	**19.181**
Stddev	.00356	.00352	.00133	.00417	.00882	.280
%RSD	.58020	.46413	.53482	.74124	.95488	1.4593
#1	.61047	.75593	.24756	.56758	.91666	19.477
#2	.61475	.75956	.24783	.56043	.93360	18.920
#3	.61755	.76298	.24999	.56028	.92087	19.147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75959.**	**56423.**
Stddev	358.	79.
%RSD	.47156	.14037
#1	75856.	56482.
#2	75664.	56333.
#3	76358.	56455.

Approved: February 21, 2011

Sample Name: L1102036522SDL Acquired: 2/18/2011 22:21:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356976-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**11.532**	**.00888**	**.01229**	**.09827**	**.00066**	**64.924**
Stddev	.00092	.149	.00248	.00066	.00052	.00001	.069
%RSD	69.742	1.2938	27.888	5.3539	.53242	.95471	.10658
#1	.00102	11.696	.01128	.01248	.09887	.00066	64.994
#2	.00234	11.494	.00902	.01155	.09792	.00065	64.856
#3	.00058	11.405	.00634	.01283	.09801	.00066	64.922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.00511**	**.01459**	**.03898**	**11.804**	**2.2464**	**.01163**
Stddev	.00004	.00028	.00048	.00101	.014	.0368	.00042
%RSD	5.2991	5.4958	3.3213	2.5909	.11765	1.6390	3.6303
#1	.00073	.00503	.01515	.03799	11.816	2.2262	.01189
#2	.00072	.00542	.01434	.04001	11.807	2.2889	.01185
#3	.00079	.00488	.01428	.03896	11.789	2.2241	.01114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.3822**	**.73037**	**.00047**	**.15392**	**.01227**	F **968.61**	**.05716**
Stddev	.0222	.00058	.00034	.02585	.00034	12.06	.00155
%RSD	.41219	.07899	72.974	16.796	2.7583	1.2448	2.7119
#1	5.3570	.73088	.00009	.18353	.01266	972.87	.05656
#2	5.3908	.72974	.00076	.14237	.01215	955.00	.05892
#3	5.3989	.73048	.00055	.13585	.01201	977.95	.05600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036522SDL Acquired: 2/18/2011 22:21:02 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356976-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.738**	F **78.714**	F **-343.53**	**-.00520**	**.00211**	**10.756**	**.00058**
Stddev	18.189	.246	2.53	.00103	.00286	.273	.00010
%RSD	44.649	.31292	.73612	19.740	135.24	2.5359	16.501
#1	-24.565	78.682	-343.62	-.00419	-.00118	10.564	.00050
#2	-37.219	78.485	-340.95	-.00624	.00399	10.636	.00069
#3	-60.429	78.975	-346.01	-.00515	.00352	11.068	.00057
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02722**	**.05014**	**.00327**	**.01938**	**.08961**	**3.3755**
Stddev	.00026	.00327	.00050	.00037	.00009	.1737
%RSD	.96732	6.5155	15.408	1.9160	.10043	5.1455
#1	.02726	.05046	.00271	.01928	.08968	3.5760
#2	.02694	.05324	.00368	.01980	.08951	3.2707
#3	.02746	.04673	.00343	.01908	.08964	3.2798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78488.**	**56292.**
Stddev	159.	570.
%RSD	.20240	1.0121
#1	78658.	55670.
#2	78343.	56418.
#3	78464.	56789.

Approved: February 21, 2011

Sample Name: L1102036522SDL Acquired: 2/18/2011 22:24:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356976-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**2.3964**	**.00575**	**.00113**	**.01956**	**.00013**	**12.994**
Stddev	.00064	.0151	.00218	.00133	.00050	.00002	.038
%RSD	70.245	.63057	37.878	117.28	2.5400	18.880	.29112
#1	.00054	2.3790	.00716	.00177	.01910	.00016	12.953
#2	.00166	2.4040	.00686	-.00039	.02009	.00012	13.027
#3	.00055	2.4063	.00324	.00201	.01950	.00011	13.002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00123**	**.00261**	**.00657**	**2.3285**	**.48971**	**-.00056**
Stddev	.00012	.00007	.00025	.00064	.0094	.07807	.00372
%RSD	275.69	5.5648	9.6352	9.7477	.40464	15.943	668.70
#1	.00010	.00129	.00243	.00629	2.3333	.44682	.00319
#2	.00013	.00116	.00290	.00611	2.3344	.44248	-.00061
#3	-.00010	.00125	.00251	.00730	2.3176	.57983	-.00424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1013**	**.14765**	**-.00008**	**.05128**	**.00216**	**184.58**	**.01181**
Stddev	.0164	.00112	.00007	.01465	.00021	10.69	.00083
%RSD	1.4920	.75550	93.287	28.568	9.6257	5.7910	7.0393
#1	1.1061	.14636	-.00008	.03480	.00195	196.16	.01172
#2	1.0831	.14836	.00000	.05619	.00216	182.48	.01102
#3	1.1149	.14822	-.00015	.06284	.00236	175.09	.01267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102036522SDL Acquired: 2/18/2011 22:24:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356976-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-19.676**	F **15.915**	F **-59.350**	**-.00474**	**.00212**	**1.5435**	**.00021**
Stddev	8.533	.051	2.051	.00285	.00141	.1171	.00023
%RSD	43.367	.31900	3.4549	60.270	66.283	7.5843	110.26
#1	-18.967	15.892	-61.369	-.00669	.00375	1.4087	-.00004
#2	-11.520	15.879	-57.269	-.00146	.00135	1.6199	.00041
#3	-28.542	15.973	-59.411	-.00606	.00127	1.6019	.00027
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00541**	**.00938**	**.00144**	**.00402**	**.01901**	**.77068**
Stddev	.00005	.00029	.00080	.00040	.00007	.12672
%RSD	.86549	3.1348	55.575	10.071	.35017	16.443
#1	.00547	.00905	.00110	.00359	.01895	.72140
#2	.00540	.00947	.00236	.00439	.01908	.67600
#3	.00538	.00962	.00087	.00407	.01899	.91464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78429.**	**55049.**
Stddev	356.	304.
%RSD	.45381	.55303
#1	78021.	55399.
#2	78591.	54848.
#3	78675.	54900.

Approved: February 21, 2011

Sample Name: L1102036523 Acquired: 2/18/2011 22:28:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**56.787**	**.03525**	**.04599**	**.63041**	**.00328**	**263.18**
Stddev	.00112	1.180	.00258	.00184	.00684	.00004	3.85
%RSD	46.640	2.0778	7.3236	4.0037	1.0853	1.2294	1.4647
#1	.00312	55.770	.03387	.04432	.62317	.00326	259.23
#2	.00299	56.511	.03366	.04569	.63129	.00326	263.38
#3	.00111	58.081	.03823	.04796	.63677	.00333	266.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**.02701**	**.06734**	**.22056**	**63.955**	**14.552**	**.06292**
Stddev	.00022	.00036	.00153	.00520	.810	.211	.00154
%RSD	6.1560	1.3500	2.2744	2.3590	1.2664	1.4521	2.4525
#1	.00338	.02665	.06624	.21559	63.121	14.314	.06177
#2	.00362	.02700	.06669	.22012	64.007	14.627	.06231
#3	.00383	.02738	.06909	.22597	64.738	14.716	.06467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.427**	**3.3815**	**.00151**	**.45798**	**.05974**	F **5758.6**	**.25784**
Stddev	.350	.0451	.00029	.01064	.00116	92.3	.00472
%RSD	1.4343	1.3344	19.007	2.3243	1.9496	1.6021	1.8315
#1	24.065	3.3347	.00131	.46960	.05880	5671.4	.25275
#2	24.452	3.3851	.00184	.45564	.05939	5749.3	.25869
#3	24.764	3.4247	.00138	.44870	.06104	5855.2	.26209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036523 Acquired: 2/18/2011 22:28:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.677**	F **321.79**	F **-1265.7**	**.00021**	**.00578**	**63.038**	**.00473**
Stddev	11.204	6.26	21.3	.00160	.00477	1.191	.00015
%RSD	20.873	1.9456	1.6800	747.16	82.622	1.8888	3.1199
#1	-40.742	315.64	-1250.5	-.00053	.00930	62.045	.00456
#2	-60.364	321.56	-1256.6	.00205	.00034	62.711	.00482
#3	-59.924	328.16	-1290.0	-.00088	.00770	64.358	.00480
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18353**	**.16012**	**.00677**	**.09470**	**.43999**	**21.102**
Stddev	.00275	.00249	.00144	.00120	.00860	.563
%RSD	1.4962	1.5538	21.226	1.2718	1.9542	2.6684
#1	.18056	.15755	.00526	.09389	.43174	21.257
#2	.18406	.16029	.00693	.09413	.43931	20.478
#3	.18598	.16251	.00812	.09609	.44890	21.572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77171.**	**57100.**
Stddev	478.	535.
%RSD	.61889	.93699
#1	77632.	57414.
#2	77204.	57403.
#3	76678.	56482.

Approved: February 21, 2011

Sample Name: L1102036524 Acquired: 2/18/2011 22:31:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00485**	**54.215**	**.03693**	**.06417**	**.57609**	**.00265**	**460.88**
Stddev	.00061	.960	.00133	.00036	.00559	.00002	5.37
%RSD	12.577	1.7710	3.5952	.55943	.96961	.70046	1.1645
#1	.00492	53.106	.03540	.06411	.56999	.00263	455.19
#2	.00542	54.787	.03778	.06385	.57731	.00264	461.59
#3	.00421	54.751	.03761	.06456	.58096	.00267	465.85
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00473**	**.02588**	**.07138**	**.32656**	**58.794**	**13.699**	**.07447**
Stddev	.00017	.00047	.00170	.00505	.563	.131	.00268
%RSD	3.5617	1.8017	2.3754	1.5464	.95778	.95655	3.5944
#1	.00462	.02535	.06980	.32182	58.208	13.564	.07467
#2	.00493	.02615	.07118	.32599	58.843	13.708	.07170
#3	.00466	.02616	.07317	.33187	59.331	13.826	.07705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.450**	**3.0851**	**.01089**	**.45357**	**.05849**	F **14405.**	**.28389**
Stddev	.276	.0308	.00021	.01091	.00190	258.	.00459
%RSD	1.1772	.99807	1.9701	2.4060	3.2491	1.7889	1.6158
#1	23.161	3.0546	.01064	.44109	.05702	14135.	.27967
#2	23.477	3.0845	.01104	.46131	.05781	14432.	.28323
#3	23.712	3.1162	.01098	.45831	.06063	14649.	.28877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036524 Acquired: 2/18/2011 22:31:46 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-79.175**	F **544.14**	F **-1837.7**	**.00192**	**.00481**	**66.242**	**.01282**
Stddev	22.779	8.79	21.6	.00046	.00229	1.228	.00048
%RSD	28.770	1.6158	1.1776	24.076	47.667	1.8537	3.7819
#1	-94.667	535.81	-1818.3	.00238	.00557	65.202	.01283
#2	-89.837	543.28	-1833.8	.00146	.00224	65.929	.01233
#3	-53.020	553.33	-1861.0	.00192	.00663	67.597	.01330
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31784**	**.36894**	**.00765**	**.10024**	**.61667**	**24.684**
Stddev	.00270	.00521	.00066	.00224	.00998	.304
%RSD	.85029	1.4108	8.6925	2.2354	1.6178	1.2328
#1	.31500	.36540	.00803	.09781	.60676	24.332
#2	.31815	.36651	.00804	.10070	.61652	24.862
#3	.32037	.37492	.00688	.10222	.62671	24.856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77178.**	**58429.**
Stddev	422.	788.
%RSD	.54629	1.3479
#1	77556.	59312.
#2	77255.	57801.
#3	76723.	58173.

Approved: February 21, 2011

Sample Name: L1102036525 Acquired: 2/18/2011 22:35:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**67.759**	**.06276**	**.06457**	**.58949**	**.00313**	**228.08**
Stddev	.00035	.142	.00196	.00040	.00846	.00002	2.95
%RSD	7.8044	.20948	3.1166	.61833	1.4359	.68153	1.2938
#1	.00480	67.786	.06057	.06447	.58030	.00311	224.91
#2	.00458	67.605	.06434	.06500	.59118	.00315	228.59
#3	.00411	67.885	.06337	.06422	.59697	.00312	230.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00537**	**.02866**	**.08304**	**.33536**	**69.566**	**17.683**	**.07174**
Stddev	.00022	.00060	.00023	.00772	.939	.184	.00139
%RSD	4.1677	2.0930	.27245	2.3027	1.3505	1.0388	1.9349
#1	.00512	.02837	.08330	.32786	68.545	17.481	.07015
#2	.00547	.02825	.08291	.33493	69.759	17.727	.07237
#3	.00553	.02934	.08291	.34328	70.394	17.840	.07271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.233**	**3.9686**	**.00261**	**.24114**	**.06817**	F **9843.4**	**.37553**
Stddev	.387	.0554	.00037	.01604	.00183	190.8	.00683
%RSD	1.3715	1.3963	14.142	6.6507	2.6876	1.9385	1.8183
#1	27.818	3.9084	.00284	.23381	.06609	9649.0	.37200
#2	28.296	3.9798	.00281	.23008	.06885	9850.9	.37120
#3	28.585	4.0176	.00219	.25953	.06956	10030.	.38341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036525 Acquired: 2/18/2011 22:35:15 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.363**	F **330.39**	F **-2848.6**	**.00031**	**.00776**	**53.455**	**.00769**
Stddev	9.449	6.95	55.0	.00120	.00489	1.137	.00033
%RSD	17.706	2.1028	1.9298	393.68	63.026	2.1263	4.2480
#1	-50.224	323.65	-2791.8	.00160	.01212	52.574	.00756
#2	-45.884	330.00	-2852.3	.00010	.00247	53.054	.00745
#3	-63.982	337.53	-2901.6	-.00078	.00869	54.738	.00806
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15793**	**.42918**	**.00797**	**.10481**	**.76372**	**32.271**
Stddev	.00176	.00826	.00154	.00060	.01669	.307
%RSD	1.1160	1.9257	19.276	.56771	2.1852	.95172
#1	.15595	.41975	.00625	.10511	.74767	32.621
#2	.15850	.43258	.00844	.10413	.76250	32.140
#3	.15933	.43520	.00921	.10520	.78098	32.050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76137.**	**56529.**
Stddev	415.	320.
%RSD	.54513	.56692
#1	76190.	56172.
#2	76523.	56622.
#3	75698.	56793.

Approved: February 21, 2011

Sample Name: L1102036526 Acquired: 2/18/2011 22:38:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00509**	**72.732**	**.04683**	**.05854**	**.57465**	**.00352**	**298.26**
Stddev	.00020	.902	.00232	.00099	.00658	.00006	2.89
%RSD	3.9500	1.2402	4.9572	1.6835	1.1443	1.7372	.97052
#1	.00487	71.713	.04417	.05758	.56808	.00347	295.52
#2	.00527	73.427	.04845	.05849	.57463	.00352	297.99
#3	.00514	73.056	.04787	.05955	.58123	.00359	301.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**.03136**	**.09702**	**.16160**	**71.268**	**16.868**	**.08054**
Stddev	.00007	.00083	.00157	.00494	.887	.122	.00072
%RSD	1.6110	2.6366	1.6219	3.0582	1.2442	.72235	.89822
#1	.00436	.03047	.09521	.15649	70.433	16.767	.08131
#2	.00450	.03149	.09809	.16197	71.174	16.835	.07988
#3	.00442	.03211	.09776	.16635	72.199	17.003	.08043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.533**	**4.1637**	**.00129**	**.35047**	**.07979**	F **6093.4**	**.28310**
Stddev	.358	.0403	.00021	.00416	.00234	123.6	.00714
%RSD	1.2118	.96675	16.157	1.1863	2.9265	2.0284	2.5237
#1	29.179	4.1287	.00147	.35496	.07729	5967.3	.27604
#2	29.525	4.1548	.00134	.34970	.08018	6098.5	.28294
#3	29.895	4.2077	.00106	.34676	.08191	6214.4	.29032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036526 Acquired: 2/18/2011 22:38:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-74.693**	F **368.14**	F **-1423.1**	**.00033**	**.00502**	**64.876**	**.00441**
Stddev	6.899	8.84	34.4	.00104	.00412	1.629	.00025
%RSD	9.2368	2.4009	2.4195	315.85	81.985	2.5104	5.6805
#1	-80.930	359.46	-1389.5	.00037	.00849	63.366	.00457
#2	-67.282	367.83	-1421.3	-.00073	.00611	64.661	.00453
#3	-75.868	377.13	-1458.3	.00134	.00047	66.602	.00412
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14116**	**.49521**	**.00976**	**.12133**	**.55984**	**30.241**
Stddev	.00097	.00554	.00036	.00157	.01364	.289
%RSD	.68677	1.1184	3.6551	1.2949	2.4361	.95454
#1	.14033	.48884	.00946	.11956	.54661	29.930
#2	.14092	.49802	.00966	.12183	.55906	30.292
#3	.14223	.49879	.01015	.12258	.57385	30.500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78389.**	**59208.**
Stddev	434.	245.
%RSD	.55391	.41459
#1	78497.	59354.
#2	78759.	58925.
#3	77911.	59346.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 22:42:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36582**	**9.2036**	**.38495**	**.45390**	**.94975**	**.04657**	**9.5131**
Stddev	.00185	.0575	.00326	.00145	.00334	.00034	.0283
%RSD	.50586	.62425	.84629	.32005	.35196	.72574	.29726
#1	.36370	9.1376	.38165	.45309	.94651	.04618	9.4809
#2	.36709	9.2305	.38502	.45304	.95319	.04677	9.5249
#3	.36667	9.2426	.38816	.45558	.94956	.04675	9.5336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04914**	**.19523**	**.46310**	**.47516**	**3.8080**	**47.494**	**.95517**
Stddev	.00002	.00028	.00388	.00191	.0243	.217	.00866
%RSD	.05001	.14289	.83816	.40203	.63837	.45611	.90674
#1	.04914	.19543	.45867	.47401	3.7831	47.256	.94717
#2	.04912	.19491	.46469	.47411	3.8316	47.681	.96437
#3	.04917	.19536	.46593	.47736	3.8092	47.545	.95396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.5460**	**.47961**	**.95171**	**47.884**	**.48508**	**9.2602**	**.50111**
Stddev	.0581	.00232	.00188	.163	.00072	5.2048	.00077
%RSD	.60899	.48467	.19767	.34069	.14778	56.206	.15451
#1	9.4823	.47693	.95068	47.711	.48583	5.6670	.50159
#2	9.5592	.48074	.95058	48.035	.48440	6.8847	.50153
#3	9.5963	.48115	.95389	47.905	.48503	15.229	.50022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 22:42:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-57.792**	**9.6305**	F **16.046**	**1.1664**	**.38525**	F **3.9795**	**.96773**
Stddev	15.814	.0846	.960	.0034	.00241	.0994	.00031
%RSD	27.365	.87882	5.9833	.28749	.62440	2.4982	.03166
#1	-76.051	9.7282	16.999	1.1664	.38702	3.8710	.96741
#2	-48.443	9.5797	15.079	1.1631	.38251	4.0662	.96777
#3	-48.881	9.5836	16.060	1.1698	.38621	4.0013	.96802
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93655**	**.99855**	**.48888**	**.90558**	**.96148**	F **1.6386**
Stddev	.00208	.00384	.00192	.00488	.00142	.1505
%RSD	.22216	.38451	.39235	.53899	.14788	9.1850
#1	.93441	.99413	.48667	.90028	.96091	1.6271
#2	.93857	1.0005	.49010	.90657	.96044	1.7945
#3	.93668	1.0011	.48986	.90989	.96310	1.4942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78231.**	**57738.**
Stddev	224.	385.
%RSD	.28695	.66753
#1	78129.	58171.
#2	78488.	57432.
#3	78075.	57610.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 22:45:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.01306**	**.00140**	**-.00063**	**-.00072**	**.00005**	**-.00548**
Stddev	.00039	.00035	.00183	.00088	.00012	.00001	.00919
%RSD	154.06	2.7044	130.77	140.04	17.228	27.338	167.65
#1	-.00051	-.01313	-.00071	.00023	-.00058	.00007	-.00149
#2	.00019	-.01268	.00240	-.00058	-.00076	.00004	.00103
#3	-.00044	-.01338	.00250	-.00152	-.00082	.00005	-.01600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00002**	**-.00029**	**-.00091**	**.00035**	**.03336**	**-.00235**
Stddev	.00011	.00006	.00039	.00097	.00314	.04175	.00098
%RSD	867.35	280.70	131.20	106.56	891.41	125.15	41.477
#1	.00001	-.00007	.00007	-.00072	-.00253	.00205	-.00346
#2	.00012	-.00004	-.00070	-.00005	.00370	.01727	-.00161
#3	-.00009	.00004	-.00025	-.00197	-.00011	.08075	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00906**	**.00056**	**.00029**	**.02723**	**.00020**	F **-8.8117**	**.00093**
Stddev	.00901	.00029	.00019	.01663	.00047	9.6418	.00114
%RSD	99.492	50.792	67.067	61.087	238.22	109.42	123.02
#1	-.01867	.00029	.00007	.02155	.00024	-16.064	.00014
#2	-.00081	.00054	.00034	.04595	-.00029	-12.501	.00223
#3	-.00769	.00086	.00045	.01417	.00064	2.1299	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 22:45:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-30.648**	F **-.21389**	F **6.4790**	**-.00340**	**.00257**	**.21893**	**.00061**
Stddev	1.615	.07297	3.1304	.00224	.00622	.03165	.00017
%RSD	5.2698	34.115	48.316	65.807	241.85	14.456	27.824
#1	-29.429	-.16371	4.4828	-.00598	.00944	.20771	.00051
#2	-32.480	-.29760	4.8673	-.00201	.00092	.19442	.00053
#3	-30.034	-.18037	10.087	-.00221	-.00265	.25466	.00081
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00146**	**.00182**	**.00032**	**.00017**	F **.57504**
Stddev	.00010	.00167	.00008	.00020	.00002	.05808
%RSD	55.006	114.20	4.4447	63.661	14.107	10.101
#1	-.00017	.00046	.00176	.00047	.00015	.54279
#2	-.00008	-.00231	.00191	.00040	.00019	.54024
#3	-.00027	-.00253	.00179	.00009	.00018	.64209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76614.**	**55391.**
Stddev	263.	265.
%RSD	.34300	.47909
#1	76903.	55690.
#2	76390.	55186.
#3	76548.	55295.

Approved: February 21, 2011

Sample Name: L1102036527 Acquired: 2/18/2011 22:49:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00433**	**60.681**	**.03799**	**.05903**	**.59187**	**.00331**	**226.91**
Stddev	.00058	.345	.00045	.00172	.00375	.00002	2.06
%RSD	13.416	.56833	1.1749	2.9088	.63367	.63714	.90571
#1	.00434	60.283	.03848	.05711	.58796	.00330	224.66
#2	.00491	60.854	.03785	.05957	.59222	.00333	227.36
#3	.00375	60.904	.03762	.06041	.59544	.00329	228.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00493**	**.02732**	**.08197**	**.26535**	**65.032**	**16.873**	**.06385**
Stddev	.00011	.00051	.00019	.00533	.493	.185	.00055
%RSD	2.2561	1.8646	.23587	2.0100	.75851	1.0944	.86504
#1	.00488	.02692	.08201	.26039	64.496	16.693	.06322
#2	.00486	.02715	.08176	.26465	65.132	16.864	.06411
#3	.00506	.02790	.08215	.27099	65.467	17.062	.06423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.126**	**4.1492**	**.00221**	**.49049**	**.06779**	F **16280.**	**.34755**
Stddev	.196	.0335	.00044	.01802	.00072	259.	.00725
%RSD	.72385	.80703	19.836	3.6744	1.0594	1.5928	2.0850
#1	26.942	4.1147	.00196	.48987	.06763	16061.	.34140
#2	27.102	4.1515	.00195	.50882	.06717	16214.	.34572
#3	27.333	4.1815	.00271	.47279	.06858	16566.	.35554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036527 Acquired: 2/18/2011 22:49:34 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-53.855**	F **303.92**	F **-2212.3**	**.00040**	**.00718**	**51.546**	**.00610**
Stddev	14.914	4.53	37.4	.00196	.00254	.638	.00030
%RSD	27.694	1.4902	1.6917	485.51	35.388	1.2370	4.9270
#1	-55.430	299.69	-2177.7	-.00070	.01003	51.081	.00577
#2	-38.215	303.37	-2207.3	.00267	.00513	51.284	.00635
#3	-67.919	308.70	-2252.0	-.00076	.00640	52.273	.00619
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14350**	**.30008**	**.00791**	**.09914**	**.63654**	**26.647**
Stddev	.00133	.00216	.00069	.00041	.01033	.128
%RSD	.92445	.71938	8.7747	.41569	1.6223	.47882
#1	.14203	.29933	.00830	.09897	.62730	26.594
#2	.14386	.29839	.00711	.09961	.63465	26.554
#3	.14461	.30251	.00833	.09884	.64769	26.792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78407.**	**56623.**
Stddev	179.	237.
%RSD	.22782	.41927
#1	78403.	56890.
#2	78587.	56546.
#3	78230.	56434.

Approved: February 21, 2011

Sample Name: L1102036528 Acquired: 2/18/2011 22:53:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356851-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00472**	**72.170**	**.04205**	**.05698**	**.54175**	**.00374**	**286.47**
Stddev	.00102	.671	.00282	.00204	.00615	.00002	3.77
%RSD	21.691	.93000	6.7045	3.5832	1.1344	.47453	1.3164
#1	.00545	71.661	.03924	.05483	.53534	.00371	282.74
#2	.00355	71.917	.04205	.05722	.54230	.00375	286.40
#3	.00517	72.930	.04487	.05889	.54760	.00374	290.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**.02965**	**.09209**	**.14113**	**68.435**	**15.992**	**.07699**
Stddev	.00016	.00046	.00104	.00365	.868	.171	.00249
%RSD	3.9817	1.5684	1.1324	2.5853	1.2689	1.0706	3.2342
#1	.00415	.02914	.09104	.13728	67.567	15.803	.07419
#2	.00393	.02974	.09209	.14158	68.434	16.038	.07782
#3	.00425	.03006	.09313	.14453	69.303	16.136	.07896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.528**	**3.9680**	**.00117**	**.64940**	**.07555**	F **8841.6**	**.25758**
Stddev	.363	.0452	.00019	.01363	.00249	163.9	.00338
%RSD	1.2728	1.1383	16.064	2.0991	3.2959	1.8542	1.3116
#1	28.152	3.9216	.00116	.64914	.07338	8679.4	.25394
#2	28.556	3.9705	.00098	.63589	.07500	8838.0	.25820
#3	28.877	4.0119	.00135	.66315	.07827	9007.3	.26061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036528 Acquired: 2/18/2011 22:53:06 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356851-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.590**	F **350.04**	F **-1316.4**	**-.00050**	**.00501**	**69.219**	**.00462**
Stddev	11.575	7.10	32.2	.00426	.00450	1.439	.00029
%RSD	18.793	2.0271	2.4494	858.88	89.715	2.0790	6.2770
#1	-60.799	343.05	-1286.1	.00441	-.00011	67.981	.00444
#2	-73.539	349.82	-1312.9	-.00266	.00683	68.879	.00446
#3	-50.430	357.24	-1350.3	-.00325	.00832	70.798	.00495
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13575**	**.32937**	**.00754**	**.11347**	**.55148**	**23.775**
Stddev	.00169	.00675	.00050	.00098	.01143	.219
%RSD	1.2447	2.0496	6.6160	.86148	2.0732	.92274
#1	.13415	.32274	.00795	.11253	.53992	23.530
#2	.13558	.32913	.00698	.11342	.55174	23.953
#3	.13751	.33624	.00768	.11448	.56278	23.844
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77337.**	**57460.**
Stddev	218.	111.
%RSD	.28155	.19296
#1	77089.	57384.
#2	77428.	57587.
#3	77495.	57409.

Approved: February 21, 2011

Sample Name: L1102036529S Acquired: 2/18/2011 22:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356851-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04512**	**85.828**	**.09095**	**.07408**	**.63470**	**.00362**	**325.76**
Stddev	.00084	1.296	.00208	.00073	.00756	.00003	3.40
%RSD	1.8612	1.5097	2.2824	.98785	1.1907	.69873	1.0442
#1	.04597	84.732	.08948	.07365	.62686	.00363	322.06
#2	.04429	87.258	.09004	.07493	.63530	.00359	326.46
#3	.04510	85.494	.09333	.07367	.64194	.00364	328.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.03403**	**.10971**	**.21813**	**81.785**	**19.475**	**.09086**
Stddev	.00015	.00071	.00059	.00329	1.002	.227	.00379
%RSD	1.4589	2.0983	.53513	1.5089	1.2249	1.1650	4.1671
#1	.01013	.03325	.10930	.21490	80.725	19.223	.08713
#2	.01022	.03417	.11038	.21800	81.913	19.539	.09075
#3	.01042	.03466	.10944	.22148	82.716	19.663	.09470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**33.213**	**4.5995**	**.00153**	**.74066**	**.08616**	F **9975.5**	**.34322**
Stddev	.412	.0541	.00030	.02045	.00164	143.7	.00491
%RSD	1.2408	1.1754	19.853	2.7614	1.9035	1.4400	1.4315
#1	32.771	4.5431	.00129	.72146	.08435	9843.2	.33878
#2	33.282	4.6043	.00188	.76217	.08657	9954.9	.34239
#3	33.586	4.6509	.00143	.73835	.08756	10128.	.34850
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036529S Acquired: 2/18/2011 22:56:38 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356851-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-72.044**	F **392.61**	F **-1528.8**	**.00132**	**.00445**	**75.499**	**.00518**
Stddev	3.452	5.87	18.8	.00176	.00233	1.327	.00012
%RSD	4.7912	1.4949	1.2326	133.59	52.368	1.7572	2.3455
#1	-68.348	386.98	-1509.8	-.00066	.00282	74.359	.00506
#2	-72.599	392.15	-1529.1	.00271	.00711	75.181	.00520
#3	-75.185	398.69	-1547.5	.00190	.00340	76.955	.00530
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15956**	**.65155**	**.01016**	**.14168**	**.63523**	**28.257**
Stddev	.00173	.00744	.00113	.00034	.00894	.330
%RSD	1.0867	1.1416	11.077	.24228	1.4078	1.1686
#1	.15772	.64308	.01080	.14129	.62627	27.932
#2	.15981	.65454	.00886	.14194	.63526	28.246
#3	.16116	.65703	.01082	.14181	.64416	28.592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76638.**	**57591.**
Stddev	355.	354.
%RSD	.46329	.61383
#1	76975.	57470.
#2	76672.	57313.
#3	76267.	57988.

Approved: February 21, 2011

Sample Name: L1102036530SD Acquired: 2/18/2011 23:00:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356851-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04309**	**65.110**	**.08641**	**.05077**	**.57998**	**.00422**	**304.32**
Stddev	.00062	.335	.00215	.00051	.00768	.00005	4.06
%RSD	1.4482	.51492	2.4859	.99780	1.3250	1.1407	1.3340
#1	.04282	64.775	.08393	.05126	.57197	.00420	300.33
#2	.04380	65.109	.08779	.05080	.58066	.00417	304.17
#3	.04264	65.446	.08750	.05025	.58730	.00427	308.45
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01015**	**.03203**	**.08702**	**.20285**	**68.126**	**15.001**	**.07676**
Stddev	.00035	.00038	.00083	.00352	.873	.199	.00130
%RSD	3.4808	1.1986	.95833	1.7335	1.2811	1.3235	1.6996
#1	.00984	.03166	.08606	.19949	67.188	14.798	.07695
#2	.01008	.03199	.08741	.20254	68.277	15.012	.07538
#3	.01053	.03243	.08758	.20650	68.913	15.194	.07797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**29.064**	**4.3678**	**.00111**	**.64875**	**.07844**	F **9271.7**	**.32180**
Stddev	.381	.0548	.00055	.01025	.00188	189.1	.00766
%RSD	1.3100	1.2550	49.201	1.5792	2.3920	2.0398	2.3791
#1	28.686	4.3114	.00049	.63780	.07669	9094.7	.31525
#2	29.059	4.3711	.00152	.65036	.07821	9249.3	.31992
#3	29.448	4.4208	.00132	.65810	.08042	9471.0	.33021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036530SD Acquired: 2/18/2011 23:00:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356851-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.547**	F **367.09**	F **-1367.9**	**-.00049**	**.00273**	**84.172**	**.00433**
Stddev	17.552	7.28	17.9	.00239	.00130	1.657	.00029
%RSD	33.403	1.9824	1.3061	489.95	47.836	1.9691	6.6211
#1	-37.164	359.87	-1351.3	-.00300	.00124	82.722	.00414
#2	-48.810	366.97	-1365.6	.00176	.00369	83.815	.00419
#3	-71.667	374.42	-1386.8	-.00022	.00325	85.979	.00466
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14127**	**.18578**	**.00903**	**.11053**	**.55430**	**21.751**
Stddev	.00204	.00187	.00094	.00064	.01129	.145
%RSD	1.4413	1.0046	10.381	.57784	2.0369	.66559
#1	.13933	.18599	.00795	.10988	.54298	21.584
#2	.14108	.18382	.00948	.11055	.55437	21.840
#3	.14339	.18753	.00965	.11116	.56556	21.830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75532.**	**56521.**
Stddev	343.	187.
%RSD	.45374	.32998
#1	75902.	56311.
#2	75469.	56585.
#3	75225.	56667.

Approved: February 21, 2011

Sample Name: L1102036531 Acquired: 2/18/2011 23:03:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**65.947**	**.04005**	**.04947**	**.58237**	**.00371**	**229.37**
Stddev	.00075	.201	.00221	.00110	.00208	.00001	.87
%RSD	20.058	.30525	5.5121	2.2155	.35698	.27274	.37915
#1	.00292	66.132	.03913	.04964	.58128	.00370	228.65
#2	.00439	65.733	.04257	.04830	.58107	.00370	229.13
#3	.00385	65.977	.03845	.05047	.58477	.00372	230.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00427**	**.02886**	**.07894**	**.31073**	**69.530**	**17.173**	**.07138**
Stddev	.00012	.00033	.00005	.00245	.242	.058	.00354
%RSD	2.8559	1.1317	.06204	.78777	.34762	.33496	4.9650
#1	.00431	.02879	.07888	.30835	69.295	17.137	.07515
#2	.00437	.02858	.07895	.31060	69.517	17.144	.07089
#3	.00414	.02922	.07898	.31324	69.778	17.240	.06811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.805**	**3.8806**	**.00142**	**.20654**	**.06565**	F **6494.2**	**.26789**
Stddev	.053	.0083	.00024	.00491	.00006	26.7	.00222
%RSD	.18306	.21259	16.833	2.3764	.09596	.41046	.82976
#1	28.753	3.8724	.00150	.20861	.06560	6466.5	.27011
#2	28.803	3.8805	.00115	.21008	.06572	6496.4	.26789
#3	28.858	3.8889	.00161	.20094	.06564	6519.7	.26567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036531 Acquired: 2/18/2011 23:03:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-43.458**	F **274.87**	F **-1342.7**	**-.00122**	**.00385**	**57.929**	**.00588**
Stddev	12.754	2.04	11.6	.00247	.00079	.621	.00057
%RSD	29.347	.74223	.86042	202.63	20.433	1.0721	9.6526
#1	-35.341	272.61	-1333.3	-.00247	.00459	57.260	.00595
#2	-36.875	275.45	-1339.2	-.00280	.00302	58.041	.00528
#3	-58.158	276.56	-1355.6	.00162	.00394	58.487	.00641
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13258**	**.24827**	**.00749**	**.09981**	**.72683**	**27.776**
Stddev	.00062	.00099	.00036	.00071	.00451	.302
%RSD	.47091	.39824	4.7408	.71223	.62027	1.0868
#1	.13210	.24941	.00719	.09993	.72208	27.985
#2	.13235	.24769	.00788	.09905	.72737	27.430
#3	.13329	.24771	.00739	.10046	.73105	27.913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76971.**	**56740.**
Stddev	287.	114.
%RSD	.37333	.20028
#1	77295.	56611.
#2	76870.	56825.
#3	76748.	56783.

Approved: February 21, 2011

Sample Name: L1102036532 Acquired: 2/18/2011 23:07:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00468**	**78.748**	**.04826**	**.05491**	**.58871**	**.00405**	**265.98**
Stddev	.00136	1.188	.00052	.00178	.01026	.00006	3.94
%RSD	29.066	1.5086	1.0815	3.2360	1.7421	1.4823	1.4800
#1	.00615	78.056	.04846	.05338	.57788	.00399	261.82
#2	.00347	78.069	.04767	.05449	.58998	.00404	266.47
#3	.00441	80.120	.04865	.05686	.59828	.00411	269.64
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00456**	**.03287**	**.10292**	**.16633**	**73.162**	**16.939**	**.08174**
Stddev	.00002	.00081	.00180	.00509	1.345	.247	.00158
%RSD	.36662	2.4623	1.7530	3.0588	1.8390	1.4557	1.9359
#1	.00454	.03208	.10117	.16217	71.760	16.659	.08060
#2	.00456	.03283	.10281	.16482	73.283	17.034	.08354
#3	.00458	.03369	.10477	.17201	74.442	17.124	.08107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**32.285**	**4.3991**	**.00077**	**.22553**	**.08323**	F **5205.1**	**.27566**
Stddev	.499	.0659	.00023	.02106	.00261	114.6	.00709
%RSD	1.5441	1.4991	29.348	9.3392	3.1320	2.2010	2.5704
#1	31.792	4.3298	.00060	.20940	.08117	5094.3	.26821
#2	32.275	4.4066	.00069	.21783	.08236	5197.9	.27644
#3	32.789	4.4611	.00103	.24936	.08616	5323.0	.28232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036532 Acquired: 2/18/2011 23:07:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.702**	F **324.02**	F **-967.98**	**.00183**	**.00555**	**75.906**	**.00450**
Stddev	14.680	7.34	19.78	.00028	.00072	1.512	.00017
%RSD	28.954	2.2645	2.0436	15.307	12.951	1.9920	3.7876
#1	-37.287	316.69	-946.64	.00152	.00519	74.404	.00447
#2	-48.435	324.01	-971.60	.00206	.00638	75.887	.00434
#3	-66.384	331.36	-985.70	.00191	.00509	77.428	.00468
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12478**	**.41128**	**.00934**	**.12017**	**.58395**	**33.723**
Stddev	.00165	.00491	.00112	.00201	.01389	.864
%RSD	1.3223	1.1928	11.949	1.6725	2.3789	2.5618
#1	.12301	.40656	.00930	.11823	.56997	32.980
#2	.12504	.41091	.00824	.12004	.58413	33.518
#3	.12628	.41635	.01047	.12224	.59775	34.671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75365.**	**55865.**
Stddev	130.	274.
%RSD	.17225	.49123
#1	75447.	56024.
#2	75433.	56024.
#3	75215.	55548.

Approved: February 21, 2011

Sample Name: L1102036533 Acquired: 2/18/2011 23:10:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00416**	**63.913**	**.04528**	**.05549**	**.59633**	**.00347**	**242.08**
Stddev	.00095	.816	.00190	.00145	.00723	.00006	2.43
%RSD	22.911	1.2767	4.1893	2.6125	1.2127	1.7502	1.0051
#1	.00382	63.435	.04450	.05415	.58925	.00343	239.53
#2	.00343	63.449	.04390	.05703	.59604	.00343	242.33
#3	.00524	64.855	.04744	.05528	.60370	.00354	244.38
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00467**	**.02856**	**.08176**	**.30123**	**69.173**	**17.962**	**.07187**
Stddev	.00015	.00030	.00051	.00447	.784	.218	.00487
%RSD	3.2097	1.0589	.62696	1.4839	1.1339	1.2162	6.7765
#1	.00450	.02824	.08179	.29699	68.339	17.756	.06625
#2	.00478	.02862	.08124	.30081	69.284	17.938	.07454
#3	.00474	.02884	.08226	.30590	69.896	18.191	.07481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.053**	**3.8601**	**.00213**	**1.3704**	**.06957**	F **15859.**	**.29555**
Stddev	.253	.0371	.00047	.0407	.00099	196.	.00292
%RSD	.97191	.96141	21.892	2.9681	1.4161	1.2330	.98824
#1	25.787	3.8191	.00250	1.3322	.06879	15674.	.29349
#2	26.080	3.8700	.00228	1.3659	.06924	15839.	.29428
#3	26.291	3.8913	.00161	1.4132	.07067	16064.	.29890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036533 Acquired: 2/18/2011 23:10:58 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-50.942**	F **326.77**	F **-2427.9**	**-.00198**	**.00815**	**63.057**	**.00586**
Stddev	17.189	4.53	34.5	.00146	.00442	.785	.00092
%RSD	33.743	1.3870	1.4206	73.955	54.216	1.2443	15.751
#1	-55.994	322.23	-2390.8	-.00115	.01196	62.339	.00577
#2	-65.038	326.78	-2434.1	-.00112	.00331	62.939	.00682
#3	-31.792	331.30	-2458.9	-.00366	.00920	63.895	.00498
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14590**	**.30200**	**.00679**	**.10086**	**.59198**	**30.989**
Stddev	.00177	.00316	.00264	.00081	.00778	.639
%RSD	1.2164	1.0451	38.874	.80044	1.3147	2.0606
#1	.14392	.29847	.00379	.10071	.58410	30.522
#2	.14642	.30302	.00781	.10014	.59218	30.728
#3	.14736	.30453	.00877	.10173	.59966	31.716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76712.**	**56919.**
Stddev	132.	262.
%RSD	.17219	.46022
#1	76708.	56750.
#2	76847.	57220.
#3	76582.	56786.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 23:14:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39119**	**9.7952**	**.40530**	**.48531**	**1.0089**	**.04955**	**10.042**
Stddev	.00261	.1105	.00266	.00356	.0007	.00046	.009
%RSD	.66610	1.1278	.65543	.73388	.06999	.92905	.09003
#1	.39149	9.8126	.40730	.48668	1.0083	.04946	10.049
#2	.39363	9.8959	.40228	.48799	1.0088	.05005	10.032
#3	.38845	9.6770	.40631	.48127	1.0096	.04915	10.046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05184**	**.20542**	**.49386**	**.50134**	**4.0335**	**50.466**	**1.0151**
Stddev	.00035	.00074	.00373	.00052	.0111	.071	.0018
%RSD	.67439	.35860	.75503	.10389	.27385	.14130	.18085
#1	.05149	.20470	.49293	.50188	4.0234	50.386	1.0131
#2	.05185	.20540	.49797	.50085	4.0318	50.486	1.0166
#3	.05218	.20617	.49069	.50128	4.0453	50.525	1.0155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.127**	**.50771**	**1.0030**	**50.858**	**.51112**	F **8.1311**	**.52758**
Stddev	.013	.00173	.0007	.048	.00064	2.6700	.00402
%RSD	.12662	.34030	.07352	.09460	.12442	32.836	.76105
#1	10.117	.50648	1.0036	50.806	.51106	5.1825	.52431
#2	10.123	.50697	1.0022	50.902	.51052	10.385	.52636
#3	10.141	.50969	1.0032	50.866	.51178	8.8256	.53206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 23:14:30 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.520**	**10.154**	F **14.378**	**1.2293**	**.40837**	F **4.2385**	**1.0179**
Stddev	8.695	.079	2.198	.0046	.00343	.0720	.0013
%RSD	21.458	.77531	15.290	.37018	.83900	1.6986	.12765
#1	-43.023	10.066	12.776	1.2262	.40577	4.1917	1.0176
#2	-30.849	10.216	13.473	1.2272	.40708	4.3214	1.0168
#3	-47.690	10.181	16.884	1.2345	.41225	4.2025	1.0193
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99672**	**1.0514**	**.51300**	**.96348**	**1.0106**	F **1.5044**
Stddev	.00200	.0036	.00295	.00786	.0022	.1616
%RSD	.20113	.34218	.57489	.81591	.21271	10.742
#1	.99487	1.0520	.51005	.96090	1.0098	1.3661
#2	.99645	1.0475	.51298	.97231	1.0090	1.4649
#3	.99885	1.0546	.51595	.95724	1.0131	1.6821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76274.**	**55358.**
Stddev	239.	344.
%RSD	.31399	.62095
#1	76016.	55420.
#2	76490.	54987.
#3	76316.	55667.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 23:18:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**-.01900**	**.00150**	**.00060**	**-.00079**	**.00004**	**-.00316**
Stddev	.00036	.00327	.00147	.00112	.00045	.00002	.01358
%RSD	27.837	17.229	98.028	187.49	56.125	46.740	429.31
#1	.00114	-.02169	.00080	.00072	-.00042	.00005	.00302
#2	.00105	-.01995	.00051	-.00058	-.00068	.00002	.00622
#3	.00172	-.01536	.00319	.00165	-.00129	.00004	-.01873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00021**	**-.00059**	**-.00050**	**.00236**	**.04110**	**-.00475**
Stddev	.0001	.00019	.00025	.00057	.00473	.06539	.00498
%RSD	9722.2	90.067	41.937	114.20	200.12	159.11	104.93
#1	.00005	-.00010	-.00035	-.00032	-.00074	.06912	-.00911
#2	-.00009	-.00010	-.00058	-.00113	.00781	.08781	-.00582
#3	.00004	-.00043	-.00084	-.00004	.00002	-.03363	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**.00001**	**-.00001**	**.05582**	**.00127**	F **-11.519**	**.00221**
Stddev	.00342	.00055	.00021	.01308	.00017	5.424	.00080
%RSD	211.79	5858.6	2508.2	23.437	13.076	47.084	36.350
#1	-.00550	.00042	-.00013	.04072	.00116	-16.903	.00129
#2	.00096	-.00062	-.00013	.06309	.00146	-6.0563	.00280
#3	-.00030	.00022	.00024	.06366	.00118	-11.598	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/18/2011 23:18:00 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.658**	F **-.19371**	F **9.0209**	**-.00220**	**.00592**	**-.06654**	**.00065**
Stddev	14.458	.02195	1.4252	.00080	.00182	.12579	.00019
%RSD	30.338	11.333	15.799	36.646	30.812	189.03	29.103
#1	-43.905	-.17808	7.3862	-.00225	.00587	-.20662	.00043
#2	-35.447	-.21881	9.6736	-.00297	.00412	-.02975	.00076
#3	-63.623	-.18423	10.003	-.00136	.00776	.03674	.00074
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00019**	**.00187**	**.00033**	**.00010**	F **.32826**
Stddev	.00007	.00087	.00049	.00051	.00009	.02842
%RSD	49.546	451.14	26.103	153.46	92.214	8.6585
#1	-.00009	.00117	.00141	.00088	.00018	.30460
#2	-.00022	-.00048	.00182	-.00014	.00013	.35978
#3	-.00011	-.00011	.00238	.00026	.00000	.32040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79168.**	**56760.**
Stddev	153.	135.
%RSD	.19375	.23726
#1	79175.	56852.
#2	79012.	56822.
#3	79318.	56605.

Approved: February 21, 2011

Sample Name: L1102036534 Acquired: 2/18/2011 23:21:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**77.203**	**.05074**	**.06273**	**.58876**	**.00418**	**396.74**
Stddev	.00034	1.848	.00289	.00040	.00548	.00006	4.23
%RSD	7.6969	2.3937	5.6958	.63364	.93079	1.5484	1.0650
#1	.00437	76.713	.04745	.06272	.58783	.00411	395.12
#2	.00479	75.650	.05191	.06314	.58380	.00417	393.57
#3	.00412	79.247	.05285	.06235	.59464	.00424	401.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**.03257**	**.10105**	**.13413**	**73.673**	**15.963**	**.09055**
Stddev	.00011	.00055	.00127	.00344	.854	.174	.00316
%RSD	2.5491	1.6902	1.2554	2.5649	1.1588	1.0911	3.4876
#1	.00437	.03200	.10006	.13083	73.456	15.923	.09374
#2	.00417	.03262	.10061	.13386	72.948	15.813	.08742
#3	.00434	.03309	.10248	.13770	74.614	16.154	.09050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.734**	**3.9508**	**.00116**	**4.1194**	**.08315**	F **7711.6**	**.27089**
Stddev	.316	.0475	.00018	.0387	.00243	152.4	.00679
%RSD	1.0994	1.2021	15.594	.93858	2.9184	1.9768	2.5083
#1	28.715	3.9306	.00120	4.1103	.08040	7552.6	.26307
#2	28.428	3.9168	.00096	4.0861	.08402	7725.8	.27431
#3	29.059	4.0051	.00131	4.1618	.08502	7856.5	.27530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036534 Acquired: 2/18/2011 23:21:42 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-62.440**	F **529.62**	F **-3013.0**	**-.00059**	**.00602**	**74.637**	**.00517**
Stddev	22.224	11.42	57.3	.00218	.00228	1.794	.00012
%RSD	35.592	2.1559	1.9022	368.69	37.838	2.4038	2.2571
#1	-51.280	518.31	-2955.2	-.00091	.00341	72.846	.00504
#2	-48.007	529.43	-3014.1	-.00260	.00708	74.631	.00522
#3	-88.031	541.14	-3069.8	.00173	.00758	76.435	.00525
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13456**	**.35363**	**.00948**	**.13793**	**.54095**	**27.815**
Stddev	.00169	.00325	.00065	.00294	.01151	.704
%RSD	1.2577	.91842	6.8981	2.1283	2.1286	2.5307
#1	.13363	.35070	.00958	.13597	.52988	27.645
#2	.13354	.35305	.01008	.13651	.54011	27.212
#3	.13652	.35712	.00878	.14131	.55287	28.588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76147.**	**57259.**
Stddev	334.	379.
%RSD	.43891	.66135
#1	76305.	57015.
#2	76373.	57695.
#3	75763.	57067.

Approved: February 21, 2011

Sample Name: L1102036535 Acquired: 2/18/2011 23:25:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00350**	**59.522**	**.03680**	**.05195**	**.62991**	**.00331**	**237.55**
Stddev	.00018	1.288	.00120	.00216	.00804	.00010	3.20
%RSD	5.1149	2.1644	3.2744	4.1519	1.2758	3.0308	1.3467
#1	.00333	58.088	.03780	.05182	.62102	.00319	234.32
#2	.00348	59.895	.03713	.04986	.63207	.00338	237.62
#3	.00368	60.582	.03546	.05417	.63665	.00336	240.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00407**	**.02614**	**.06894**	**.25053**	**60.836**	**16.724**	**.06757**
Stddev	.00032	.00059	.00145	.00563	.907	.266	.00154
%RSD	7.7762	2.2414	2.1102	2.2483	1.4907	1.5883	2.2834
#1	.00371	.02550	.06736	.24445	59.923	16.427	.06935
#2	.00419	.02627	.06923	.25158	60.850	16.806	.06658
#3	.00431	.02666	.07022	.25557	61.737	16.939	.06678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.577**	**2.9107**	**.00160**	**.57433**	**.05914**	F **22775.**	**.25490**
Stddev	.309	.0418	.00011	.00861	.00111	515.	.00712
%RSD	1.4333	1.4347	6.7563	1.4987	1.8690	2.2597	2.7931
#1	21.257	2.8698	.00169	.58413	.05795	22198.	.24686
#2	21.602	2.9090	.00148	.56800	.05932	22942.	.25741
#3	21.874	2.9532	.00163	.57087	.06014	23186.	.26041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036535 Acquired: 2/18/2011 23:25:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-64.889**	F **320.21**	F **-2134.0**	**.00127**	**.00321**	**52.833**	**.00712**
Stddev	3.063	7.40	39.0	.00156	.00265	1.339	.00009
%RSD	4.7200	2.3110	1.8293	122.37	82.605	2.5344	1.2229
#1	-68.379	312.05	-2091.0	-.00029	.00266	51.286	.00708
#2	-63.637	322.09	-2143.9	.00129	.00608	53.604	.00706
#3	-62.650	326.49	-2167.2	.00282	.00087	53.607	.00722
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20422**	**.21394**	**.00766**	**.09267**	**.59061**	**30.496**
Stddev	.00285	.00454	.00106	.00167	.01513	.713
%RSD	1.3953	2.1243	13.826	1.8030	2.5624	2.3386
#1	.20127	.21085	.00644	.09085	.57394	29.696
#2	.20443	.21182	.00820	.09305	.59441	30.724
#3	.20696	.21916	.00835	.09412	.60348	31.066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77923.**	**57717.**
Stddev	1034.	367.
%RSD	1.3266	.63659
#1	79114.	58116.
#2	77256.	57643.
#3	77400.	57393.

Approved: February 21, 2011

Sample Name: L1102036536 Acquired: 2/18/2011 23:28:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**73.137**	**.04075**	**.05573**	**.68594**	**.00419**	**309.92**
Stddev	.00057	1.583	.00201	.00061	.01197	.00008	4.27
%RSD	15.536	2.1641	4.9421	1.0900	1.7448	1.8075	1.3771
#1	.00303	73.193	.03846	.05510	.67411	.00410	305.41
#2	.00411	74.692	.04156	.05576	.68566	.00421	310.44
#3	.00390	71.527	.04224	.05632	.69804	.00425	313.90
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**.03243**	**.08973**	**.19734**	**71.787**	**17.244**	**.08174**
Stddev	.00012	.00056	.00177	.00482	1.236	.212	.00179
%RSD	2.7065	1.7226	1.9729	2.4435	1.7225	1.2270	2.1908
#1	.00435	.03179	.08770	.19254	70.566	17.037	.08014
#2	.00416	.03276	.09095	.19730	71.756	17.236	.08141
#3	.00438	.03275	.09055	.20218	73.039	17.460	.08367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.582**	**3.6802**	**.00110**	**1.0912**	**.07611**	F **12878.**	**.24220**
Stddev	.394	.0520	.00011	.0124	.00168	239.	.00619
%RSD	1.4271	1.4130	10.208	1.1351	2.2131	1.8588	2.5578
#1	27.169	3.6277	.00105	1.0989	.07436	12625.	.23596
#2	27.623	3.6810	.00122	1.0769	.07626	12911.	.24229
#3	27.953	3.7317	.00101	1.0978	.07772	13100.	.24835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036536 Acquired: 2/18/2011 23:28:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.367**	F **395.63**	F **-1841.2**	**.00339**	**.00400**	**65.087**	**.00641**
Stddev	4.784	8.38	36.0	.00228	.00424	1.075	.00063
%RSD	7.7959	2.1185	1.9526	67.299	106.22	1.6520	9.8078
#1	-66.527	387.06	-1802.9	.00389	.00421	63.987	.00611
#2	-60.495	396.02	-1846.4	.00090	-.00035	65.138	.00714
#3	-57.078	403.81	-1874.2	.00539	.00813	66.136	.00600
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19839**	**.25276**	**.00805**	**.11876**	**.54745**	**31.191**
Stddev	.00246	.00671	.00082	.00162	.01122	.490
%RSD	1.2393	2.6549	10.143	1.3673	2.0499	1.5711
#1	.19602	.24515	.00897	.11692	.53611	30.758
#2	.19823	.25534	.00739	.11936	.54769	31.092
#3	.20093	.25781	.00780	.11999	.55855	31.723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75851.**	**56025.**
Stddev	271.	333.
%RSD	.35727	.59525
#1	76148.	56290.
#2	75788.	55650.
#3	75617.	56134.

Approved: February 21, 2011

Sample Name: L1102036537 Acquired: 2/18/2011 23:32:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**75.723**	**.04362**	**.05833**	**.63821**	**.00389**	**350.32**
Stddev	.00058	.764	.00275	.00135	.00658	.00001	3.27
%RSD	13.604	1.0089	6.2951	2.3081	1.0314	.20856	.93338
#1	.00394	74.843	.04053	.05717	.63178	.00388	346.99
#2	.00398	76.217	.04577	.05801	.63790	.00390	350.44
#3	.00497	76.110	.04455	.05981	.64493	.00389	353.53
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00419**	**.03225**	**.09314**	**.18730**	**73.277**	**18.425**	**.08334**
Stddev	.00018	.00079	.00100	.00275	.755	.210	.00180
%RSD	4.1841	2.4475	1.0737	1.4666	1.0308	1.1402	2.1565
#1	.00410	.03148	.09202	.18475	72.574	18.197	.08130
#2	.00409	.03221	.09345	.18695	73.182	18.467	.08469
#3	.00439	.03306	.09395	.19021	74.075	18.611	.08404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**28.333**	**3.8158**	**.00161**	**1.7052**	**.07585**	F **8549.0**	**.24708**
Stddev	.224	.0333	.00004	.0349	.00164	141.7	.00768
%RSD	.79124	.87251	2.5887	2.0480	2.1610	1.6576	3.1075
#1	28.105	3.7825	.00158	1.6652	.07492	8409.7	.24002
#2	28.341	3.8157	.00166	1.7204	.07488	8544.2	.24597
#3	28.553	3.8491	.00159	1.7299	.07774	8693.0	.25525
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036537 Acquired: 2/18/2011 23:32:23 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.459**	F **421.22**	F **-1524.4**	**.00125**	**.00788**	**62.695**	**.00708**
Stddev	21.400	7.25	14.3	.00057	.00247	1.412	.00008
%RSD	40.795	1.7204	.94014	46.158	31.323	2.2514	1.1553
#1	-76.819	413.96	-1510.6	.00119	.00975	61.338	.00702
#2	-36.689	421.27	-1523.4	.00070	.00881	62.592	.00704
#3	-43.867	428.45	-1539.2	.00185	.00508	64.156	.00717
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19055**	**.38181**	**.00820**	**.12395**	**.51833**	**33.980**
Stddev	.00128	.00476	.00053	.00152	.00914	.443
%RSD	.67366	1.2472	6.4802	1.2261	1.7638	1.3042
#1	.18938	.37765	.00759	.12221	.50939	33.504
#2	.19034	.38076	.00848	.12498	.51794	34.380
#3	.19192	.38700	.00853	.12467	.52766	34.057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75335.**	**55579.**
Stddev	345.	467.
%RSD	.45830	.84042
#1	75606.	55422.
#2	75453.	55211.
#3	74946.	56105.

Approved: February 21, 2011

Sample Name: L1102036538 Acquired: 2/18/2011 23:36:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00487**	**56.486**	**.03431**	**.05214**	**.46696**	**.00266**	**372.85**
Stddev	.00015	.325	.00297	.00037	.00456	.00003	2.49
%RSD	3.1785	.57449	8.6689	.71363	.97670	1.2900	.66824
#1	.00483	56.357	.03198	.05233	.46241	.00267	370.00
#2	.00504	56.246	.03329	.05239	.47154	.00269	374.63
#3	.00473	56.855	.03766	.05172	.46692	.00262	373.92
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**.02522**	**.06804**	**.26754**	**58.713**	**16.082**	**.06509**
Stddev	.00021	.00036	.00032	.00560	.438	.100	.00134
%RSD	5.4491	1.4200	.46513	2.0920	.74540	.61963	2.0570
#1	.00364	.02493	.06805	.26160	58.251	15.972	.06391
#2	.00383	.02511	.06773	.26832	59.121	16.110	.06655
#3	.00406	.02562	.06836	.27271	58.768	16.165	.06483
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.613**	**2.7018**	**.00251**	**.23752**	**.05773**	F **6622.2**	**.25403**
Stddev	.156	.0185	.00018	.01572	.00090	105.2	.00387
%RSD	.69099	.68323	7.0191	6.6191	1.5592	1.5888	1.5251
#1	22.444	2.6806	.00238	.22752	.05669	6513.5	.25026
#2	22.644	2.7145	.00244	.22941	.05818	6629.6	.25383
#3	22.752	2.7103	.00271	.25565	.05832	6723.5	.25800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036538 Acquired: 2/18/2011 23:36:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.991**	F **453.68**	F **-1942.3**	**.00288**	**.00352**	**47.913**	**.00534**
Stddev	4.137	8.18	27.4	.00175	.00380	.923	.00058
%RSD	10.345	1.8033	1.4118	60.829	108.06	1.9266	10.935
#1	-36.054	445.65	-1918.9	.00115	.00785	47.057	.00602
#2	-39.616	453.39	-1935.5	.00284	.00196	47.790	.00497
#3	-44.303	462.00	-1972.5	.00465	.00075	48.891	.00504
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18132**	**.36936**	**.00687**	**.09501**	**.43575**	**22.910**
Stddev	.00183	.00765	.00169	.00071	.00837	.318
%RSD	1.0114	2.0702	24.644	.74444	1.9216	1.3885
#1	.17924	.36070	.00770	.09560	.42754	22.903
#2	.18204	.37518	.00493	.09422	.43543	22.596
#3	.18268	.37219	.00800	.09521	.44427	23.232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76349.**	**56184.**
Stddev	270.	796.
%RSD	.35399	1.4162
#1	76548.	55266.
#2	76457.	56612.
#3	76041.	56675.

Approved: February 21, 2011

Sample Name: L1102036539 Acquired: 2/18/2011 23:39:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**48.003**	**.03267**	**.03793**	**.47272**	**.00320**	**320.54**
Stddev	.00025	.648	.00265	.00152	.00296	.00005	2.27
%RSD	7.8577	1.3493	8.1052	4.0011	.62684	1.4138	.70876
#1	.00340	47.364	.03081	.03937	.46939	.00315	317.97
#2	.00293	47.987	.03150	.03634	.47368	.00322	321.36
#3	.00304	48.659	.03570	.03808	.47508	.00324	322.29
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00334**	**.02518**	**.06701**	**.15303**	**55.162**	**11.012**	**.05997**
Stddev	.00012	.00019	.00103	.00114	.345	.058	.00164
%RSD	3.5147	.77021	1.5405	.74288	.62467	.52592	2.7340
#1	.00321	.02518	.06605	.15174	54.821	11.015	.06107
#2	.00343	.02499	.06688	.15347	55.156	10.952	.06075
#3	.00338	.02537	.06810	.15388	55.510	11.068	.05808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.452**	**3.4646**	**.00096**	**.32383**	**.05777**	F **4227.8**	**.22505**
Stddev	.173	.0253	.00013	.01221	.00129	39.2	.00137
%RSD	.70608	.73099	13.663	3.7712	2.2379	.92634	.60686
#1	24.268	3.4389	.00109	.30973	.05630	4203.7	.22373
#2	24.476	3.4653	.00083	.33064	.05827	4206.7	.22495
#3	24.611	3.4895	.00096	.33111	.05873	4273.0	.22646
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036539 Acquired: 2/18/2011 23:39:29 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.002**	F **361.66**	F **-967.87**	**-.00317**	**.00735**	**55.015**	**.00332**
Stddev	18.465	4.27	9.54	.00156	.00478	.602	.00026
%RSD	45.034	1.1811	.98607	49.194	65.058	1.0951	7.8275
#1	-62.282	357.58	-959.87	-.00299	.00187	54.558	.00346
#2	-29.215	361.31	-965.31	-.00482	.01066	54.790	.00302
#3	-31.508	366.10	-978.44	-.00171	.00953	55.698	.00347
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13869**	**.15048**	**.00681**	**.08216**	**.39495**	**20.977**
Stddev	.00085	.00233	.00056	.00126	.00494	.405
%RSD	.60977	1.5511	8.3009	1.5374	1.2501	1.9286
#1	.13774	.14786	.00728	.08073	.39028	20.578
#2	.13901	.15233	.00618	.08262	.39444	20.966
#3	.13934	.15127	.00696	.08313	.40012	21.387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76237.**	**55657.**
Stddev	216.	554.
%RSD	.28284	.99594
#1	76270.	56293.
#2	76434.	55406.
#3	76007.	55274.

Approved: February 21, 2011

Sample Name: L1102036540 Acquired: 2/18/2011 23:42:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**53.501**	**.03917**	**.06379**	**.55929**	**.00338**	**310.64**
Stddev	.00096	.582	.00127	.00085	.00651	.00005	3.73
%RSD	28.569	1.0869	3.2521	1.3251	1.1644	1.5470	1.1998
#1	.00428	54.048	.03791	.06307	.55335	.00344	307.18
#2	.00236	52.890	.04046	.06472	.55826	.00333	310.15
#3	.00341	53.563	.03915	.06358	.56625	.00338	314.59
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00526**	**.02714**	**.07556**	**.24669**	**58.756**	**14.816**	**.06230**
Stddev	.00011	.00061	.00112	.00608	.750	.175	.00118
%RSD	2.0170	2.2449	1.4804	2.4632	1.2758	1.1828	1.8897
#1	.00514	.02651	.07681	.24068	58.104	14.676	.06112
#2	.00531	.02719	.07465	.24655	58.588	14.759	.06229
#3	.00534	.02773	.07522	.25283	59.575	15.013	.06348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.284**	**3.8635**	**.00225**	**.62442**	**.06599**	F **18736.**	**.29979**
Stddev	.269	.0436	.00012	.00945	.00215	371.	.00683
%RSD	1.0239	1.1278	5.4534	1.5142	3.2571	1.9779	2.2787
#1	26.084	3.8226	.00224	.62900	.06390	18369.	.29306
#2	26.180	3.8585	.00213	.61354	.06589	18728.	.29960
#3	26.590	3.9093	.00237	.63071	.06819	19110.	.30672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036540 Acquired: 2/18/2011 23:42:56 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-81.662**	F **394.50**	F **-1958.6**	**.00162**	**.00644**	**46.108**	**.00906**
Stddev	16.417	8.46	40.2	.00157	.00240	1.203	.00005
%RSD	20.104	2.1453	2.0504	97.010	37.249	2.6093	.58518
#1	-68.670	386.29	-1920.6	.00343	.00732	44.760	.00912
#2	-76.203	394.03	-1954.4	.00075	.00826	46.493	.00902
#3	-100.11	403.19	-2000.6	.00068	.00372	47.072	.00905
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26262**	**.19693**	**.00803**	**.09260**	**.58850**	**22.168**
Stddev	.00315	.00242	.00067	.00157	.01225	.526
%RSD	1.1998	1.2286	8.3576	1.6993	2.0813	2.3711
#1	.25942	.19457	.00733	.09348	.57626	22.606
#2	.26273	.19682	.00866	.09078	.58846	21.585
#3	.26572	.19941	.00809	.09353	.60076	22.312
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78331.**	**57882.**
Stddev	157.	830.
%RSD	.20051	1.4345
#1	78462.	56978.
#2	78157.	58611.
#3	78373.	58056.

Approved: February 21, 2011

Sample Name: L1102036541 Acquired: 2/18/2011 23:46:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00410**	**62.992**	**.03886**	**.06574**	**.58167**	**.00350**	**346.20**
Stddev	.00027	.407	.00177	.00166	.00687	.00004	3.11
%RSD	6.6240	.64634	4.5488	2.5192	1.1803	1.0574	.89869
#1	.00390	62.525	.03857	.06538	.57471	.00350	343.19
#2	.00441	63.183	.04075	.06755	.58185	.00354	346.01
#3	.00400	63.269	.03725	.06429	.58844	.00347	349.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00446**	**.02884**	**.08274**	**.15903**	**63.558**	**14.803**	**.07443**
Stddev	.00008	.00038	.00083	.00301	.705	.126	.00129
%RSD	1.8446	1.3140	.99800	1.8907	1.1088	.85281	1.7350
#1	.00436	.02847	.08179	.15614	62.839	14.658	.07300
#2	.00452	.02883	.08328	.15882	63.588	14.864	.07479
#3	.00449	.02923	.08314	.16214	64.248	14.887	.07551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**27.589**	**4.2642**	**.00092**	**1.2084**	**.07101**	F **10148.**	**.26981**
Stddev	.213	.0370	.00016	.0169	.00048	126.	.00110
%RSD	.77270	.86703	16.930	1.3964	.67526	1.2392	.40874
#1	27.371	4.2260	.00108	1.2007	.07156	10034.	.26953
#2	27.598	4.2668	.00092	1.1968	.07068	10128.	.27102
#3	27.797	4.2998	.00077	1.2278	.07078	10283.	.26887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036541 Acquired: 2/18/2011 23:46:24 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-61.679**	F **397.48**	F **-1106.7**	**.00128**	**.00549**	**46.638**	**.00567**
Stddev	8.709	5.48	15.4	.00333	.00362	.612	.00024
%RSD	14.119	1.3795	1.3882	260.89	65.953	1.3122	4.1832
#1	-52.198	392.08	-1092.0	-.00027	.00218	46.009	.00556
#2	-63.519	397.31	-1105.6	-.00100	.00494	46.675	.00552
#3	-69.321	403.04	-1122.6	.00510	.00936	47.231	.00595
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29497**	**.30003**	**.01015**	**.10377**	**.52201**	**25.406**
Stddev	.00247	.00048	.00160	.00037	.00769	.165
%RSD	.83754	.16096	15.741	.35946	1.4729	.64773
#1	.29239	.29993	.00915	.10349	.51450	25.591
#2	.29520	.29960	.01200	.10419	.52168	25.274
#3	.29732	.30056	.00931	.10363	.52986	25.354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77850.**	**57996.**
Stddev	612.	182.
%RSD	.78610	.31336
#1	78482.	58027.
#2	77806.	57800.
#3	77261.	58160.

Approved: February 21, 2011

Sample Name: L1102036542 Acquired: 2/18/2011 23:49:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00486**	**59.258**	**.03490**	**.05227**	**.46910**	**.00265**	**349.61**
Stddev	.00002	.605	.00248	.00231	.00547	.00006	3.98
%RSD	.38839	1.0206	7.1101	4.4146	1.1669	2.1428	1.1370
#1	.00488	58.629	.03216	.05377	.46465	.00259	345.63
#2	.00485	59.310	.03699	.04961	.46745	.00266	349.63
#3	.00485	59.836	.03555	.05343	.47521	.00270	353.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00485**	**.02565**	**.07428**	**.22505**	**61.342**	**15.447**	**.06849**
Stddev	.00004	.00061	.00123	.00340	.709	.168	.00238
%RSD	.74054	2.3590	1.6615	1.5123	1.1560	1.0882	3.4793
#1	.00481	.02498	.07337	.22197	60.733	15.262	.06779
#2	.00488	.02581	.07378	.22447	61.174	15.488	.07114
#3	.00486	.02616	.07568	.22870	62.121	15.590	.06653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**25.405**	**3.1522**	**.00172**	**.26392**	**.06067**	F **8911.9**	**.23900**
Stddev	.252	.0336	.00015	.00330	.00096	105.1	.00046
%RSD	.99377	1.0649	8.9646	1.2501	1.5790	1.1790	.19375
#1	25.179	3.1209	.00173	.26291	.05989	8815.1	.23907
#2	25.360	3.1479	.00155	.26761	.06038	8897.1	.23851
#3	25.678	3.1877	.00186	.26125	.06174	9023.6	.23943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036542 Acquired: 2/18/2011 23:49:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-65.584**	F **416.82**	F **-1593.5**	**.00182**	**.00514**	**44.688**	**.00567**
Stddev	7.422	5.53	17.8	.00308	.00121	.611	.00018
%RSD	11.316	1.3256	1.1149	169.57	23.529	1.3673	3.0961
#1	-59.379	411.73	-1576.8	.00442	.00575	44.109	.00549
#2	-73.805	416.02	-1591.4	.00262	.00375	44.628	.00584
#3	-63.568	422.70	-1612.2	-.00159	.00593	45.327	.00568
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17599**	**.46451**	**.00712**	**.09684**	**.49935**	**28.720**
Stddev	.00222	.00464	.00056	.00119	.00660	.196
%RSD	1.2617	.99940	7.8679	1.2244	1.3213	.68077
#1	.17379	.46062	.00772	.09557	.49305	28.520
#2	.17595	.46327	.00661	.09705	.49880	28.730
#3	.17823	.46965	.00704	.09791	.50621	28.910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77858.**	**57946.**
Stddev	224.	179.
%RSD	.28798	.30974
#1	77816.	58066.
#2	78100.	57740.
#3	77657.	58033.

Approved: February 21, 2011

Sample Name: L1102036543 Acquired: 2/18/2011 23:53:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00461**	**63.760**	**.04005**	**.05343**	**.50334**	**.00300**	**403.66**
Stddev	.00024	.667	.00221	.00057	.00398	.00004	3.22
%RSD	5.1240	1.0464	5.5263	1.0692	.79022	1.4962	.79796
#1	.00436	63.495	.04255	.05319	.49978	.00301	400.47
#2	.00465	63.267	.03834	.05302	.50260	.00295	403.61
#3	.00482	64.519	.03927	.05409	.50763	.00304	406.91
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**.02685**	**.08146**	**.11958**	**65.760**	**13.467**	**.07723**
Stddev	.00008	.00039	.00128	.00215	.516	.100	.00131
%RSD	2.0923	1.4521	1.5761	1.8018	.78459	.74309	1.6921
#1	.00375	.02648	.08100	.11764	65.246	13.362	.07785
#2	.00385	.02683	.08048	.11920	65.755	13.477	.07811
#3	.00391	.02725	.08291	.12190	66.278	13.562	.07572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**26.678**	**3.5947**	**.00092**	**.53593**	**.06668**	F **5836.6**	**.23122**
Stddev	.236	.0291	.00022	.00316	.00183	68.1	.00101
%RSD	.88344	.80836	23.268	.58986	2.7512	1.1659	.43466
#1	26.467	3.5653	.00073	.53845	.06491	5770.3	.23008
#2	26.637	3.5952	.00090	.53239	.06657	5833.1	.23161
#3	26.932	3.6234	.00115	.53697	.06857	5906.3	.23198
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036543 Acquired: 2/18/2011 23:53:20 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-81.568**	F **462.28**	F **-1240.8**	**.00161**	**.00857**	**40.650**	**.00399**
Stddev	6.779	6.99	30.0	.00314	.00025	.689	.00040
%RSD	8.3109	1.5126	2.4160	194.41	2.9455	1.6956	9.9437
#1	-74.031	455.55	-1210.1	.00438	.00885	40.143	.00444
#2	-87.166	461.78	-1242.5	-.00179	.00835	40.372	.00386
#3	-83.506	469.50	-1269.9	.00225	.00852	41.435	.00368
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16568**	**.45109**	**.00842**	**.11296**	**.46451**	**26.496**
Stddev	.00164	.00348	.00018	.00098	.00708	.480
%RSD	.99238	.77043	2.1031	.87023	1.5244	1.8119
#1	.16413	.44733	.00842	.11261	.45741	26.063
#2	.16552	.45176	.00859	.11219	.46455	26.413
#3	.16740	.45419	.00824	.11407	.47157	27.013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78029.**	**58174.**
Stddev	52.	385.
%RSD	.06725	.66199
#1	77975.	57998.
#2	78034.	58615.
#3	78079.	57908.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 23:56:51 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38642**	**9.7328**	**.40825**	**.48150**	**1.0087**	**.04869**	**10.202**
Stddev	.00297	.0490	.00134	.00011	.0029	.00039	.087
%RSD	.76742	.50339	.32938	.02220	.29271	.80135	.84999
#1	.38431	9.6779	.40897	.48160	1.0055	.04827	10.129
#2	.38515	9.7485	.40670	.48150	1.0114	.04876	10.178
#3	.38981	9.7721	.40909	.48139	1.0092	.04904	10.298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05212**	**.20584**	**.48551**	**.50359**	**4.0610**	**50.226**	**1.0148**
Stddev	.00040	.00044	.00486	.00116	.0303	.209	.0029
%RSD	.75957	.21462	1.0005	.23085	.74704	.41528	.29095
#1	.05193	.20540	.48062	.50229	4.0264	49.993	1.0114
#2	.05185	.20585	.48558	.50395	4.0735	50.292	1.0160
#3	.05257	.20628	.49034	.50453	4.0831	50.394	1.0170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.082**	**.50718**	**1.0061**	**50.667**	**.51470**	**10.052**	**.52798**
Stddev	.045	.00253	.0011	.163	.00088	3.009	.00264
%RSD	.44850	.49931	.10617	.32083	.17030	29.932	.50071
#1	10.036	.50434	1.0050	50.487	.51374	8.0534	.52684
#2	10.083	.50920	1.0064	50.802	.51489	13.513	.52610
#3	10.126	.50801	1.0071	50.713	.51546	8.5904	.53101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/18/2011 23:56:51 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.935**	**10.439**	F **5.2445**	**1.2360**	**.41021**	F **4.1821**	**1.0201**
Stddev	6.692	.045	2.9414	.0030	.00244	.2924	.0018
%RSD	11.964	.43126	56.085	.24365	.59551	6.9909	.17945
#1	-61.104	10.390	8.6178	1.2325	.40942	4.2941	1.0182
#2	-58.326	10.449	3.9005	1.2380	.41295	3.8503	1.0202
#3	-48.376	10.478	3.2152	1.2373	.40826	4.4018	1.0219
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		-10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0002**	**1.0498**	**.51461**	**.95652**	**1.0127**	F **1.6235**
Stddev	.0015	.0070	.00399	.00803	.0021	.1702
%RSD	.14724	.66316	.77480	.83976	.20232	10.481
#1	.99892	1.0432	.51572	.94879	1.0106	1.6957
#2	1.0018	1.0492	.51019	.95595	1.0127	1.4292
#3	.99986	1.0570	.51793	.96482	1.0147	1.7457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78607.**	**57867.**
Stddev	228.	203.
%RSD	.28942	.35012
#1	78585.	58101.
#2	78846.	57761.
#3	78392.	57739.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 0:00:22 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00695**	**.00084**	**-.00055**	**-.00113**	**.00004**	**.05086**
Stddev	.00088	.00349	.00169	.00103	.00007	.00002	.01017
%RSD	114.85	50.250	200.30	186.40	5.9969	48.994	19.997
#1	.00126	-.00370	.00264	.00063	-.00106	.00003	.04359
#2	.00128	-.00651	-.00071	-.00109	-.00119	.00007	.04651
#3	-.00025	-.01064	.00060	-.00119	-.00114	.00003	.06248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00012**	**-.00037**	**-.00050**	**.00845**	**-.00316**	**.00135**
Stddev	.00003	.00008	.00042	.00011	.00682	.04765	.00232
%RSD	101.58	68.194	114.12	22.087	80.784	1508.7	172.12
#1	.00004	-.00016	-.00083	-.00059	.00224	.03190	.00153
#2	.00005	-.00018	-.00029	-.00052	.00735	-.05741	.00357
#3	.00000	-.00003	.00001	-.00038	.01575	.01603	-.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00067**	**.00050**	**.05414**	**.00090**	F **-9.9897**	**.00286**
Stddev	.02060	.00065	.00028	.00515	.00033	1.7626	.00195
%RSD	1646.1	96.994	55.851	9.5205	36.969	17.644	68.261
#1	-.00275	-.00007	.00070	.05992	.00066	-9.1305	.00341
#2	-.01705	.00115	.00018	.05248	.00075	-8.8216	.00447
#3	.02356	.00092	.00060	.05003	.00128	-12.017	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 0:00:22 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-52.401**	F **-.08330**	F **4.2971**	**-.00417**	**.00376**	**.06897**	**.00048**
Stddev	5.324	.04186	.8085	.00050	.00134	.11951	.00066
%RSD	10.161	50.253	18.815	12.029	35.707	173.27	138.19
#1	-47.853	-.07419	4.2014	-.00360	.00298	-.06901	-.00026
#2	-58.258	-.04675	5.1491	-.00453	.00299	.13646	.00069
#3	-51.094	-.12897	3.5407	-.00439	.00531	.13948	.00102
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00020**	**.00223**	**.00014**	**.00012**	F **.58652**
Stddev	.00019	.00063	.00013	.00030	.00005	.19179
%RSD	1351.7	319.81	5.7350	206.86	37.120	32.699
#1	-.00018	.00086	.00224	.00043	.00017	.43718
#2	.00020	-.00040	.00210	-.00016	.00008	.80281
#3	.00003	.00013	.00236	.00016	.00013	.51959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79511.**	**57966.**
Stddev	256.	24.
%RSD	.32202	.04083
#1	79252.	57949.
#2	79517.	57993.
#3	79764.	57954.

Approved: February 21, 2011

Sample Name: PBS AA Acquired: 2/19/2011 0:04:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356912-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**-.01644**	**.00046**	**-.00053**	**-.00090**	**.00007**	**.04346**
Stddev	.00046	.00232	.00111	.00080	.00034	.00000	.00816
%RSD	41.571	14.092	239.67	150.33	37.983	4.4989	18.782
#1	.00129	-.01673	.00160	.00037	-.00067	.00007	.03703
#2	.00059	-.01860	-.00063	-.00115	-.00075	.00007	.04071
#3	.00145	-.01399	.00042	-.00082	-.00130	.00008	.05265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00032**	**.00034**	**-.00061**	**.02665**	**-.06686**	**-.00126**
Stddev	.00020	.00014	.00024	.00063	.00529	.02059	.00129
%RSD	186.62	44.767	71.295	103.92	19.852	30.789	102.52
#1	.00016	-.00039	.00051	-.00132	.02824	-.09020	-.00018
#2	-.00011	-.00015	.00046	-.00035	.02074	-.05913	-.00091
#3	.00028	-.00040	.00006	-.00015	.03095	-.05126	-.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**.00016**	**.00027**	**.05911**	**.00207**	F **-26.224**	**.00517**
Stddev	.01273	.00051	.00006	.01887	.00044	5.995	.00138
%RSD	194.68	325.14	21.788	31.926	21.445	22.862	26.641
#1	.00310	-.00043	.00020	.04452	.00156	-33.069	.00581
#2	-.00412	.00040	.00030	.05240	.00230	-23.701	.00611
#3	.02063	.00049	.00031	.08043	.00236	-21.903	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: PBS AA Acquired: 2/19/2011 0:04:04 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356912-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.202**	F **-.07354**	**4.8156**	**-.00020**	**.00626**	**2.2690**	**.00079**
Stddev	11.198	.01257	.6481	.00240	.00435	.2175	.00037
%RSD	18.916	17.097	13.459	1194.5	69.528	9.5833	46.988
#1	-48.132	-.06812	5.4993	.00144	.00162	2.1505	.00076
#2	-70.525	-.08791	4.2102	-.00296	.01025	2.1365	.00044
#3	-58.949	-.06458	4.7372	.00092	.00690	2.5200	.00118
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000					
Low Limit	-.00400	-.00400					

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00064**	**.00044**	**.00016**	**.00226**	**.61510**
Stddev	.00010	.00064	.00055	.00017	.00007	.08361
%RSD	34.662	100.25	125.61	111.23	2.9076	13.594
#1	-.00029	.00127	-.00020	.00005	.00228	.69019
#2	-.00038	.00064	.00073	.00036	.00232	.63012
#3	-.00018	.00000	.00078	.00007	.00219	.52499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**80278.**	**59273.**
Stddev	1042.	565.
%RSD	1.2985	.95308
#1	80918.	58638.
#2	80842.	59460.
#3	79075.	59720.

Approved: February 21, 2011

Sample Name: LCSS AA Acquired: 2/19/2011 0:07:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356912-03

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18440**	**-.01402**	**.18493**	**-.00185**	**-.00078**	**.00007**	**.00892**
Stddev	.00122	.00359	.00047	.00104	.00031	.00002	.00759
%RSD	.66258	25.574	.25545	55.934	39.441	24.209	85.070
#1	.18402	-.01342	.18542	-.00266	-.00100	.00006	.00254
#2	.18341	-.01787	.18488	-.00068	-.00092	.00006	.00691
#3	.18577	-.01078	.18448	-.00222	-.00043	.00009	.01731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02415**	**-.00038**	**.00028**	**.24228**	**.00497**	**.00736**	**-.00647**
Stddev	.00025	.00025	.00036	.00032	.00351	.02510	.00183
%RSD	1.0549	65.503	129.22	.13227	70.688	340.86	28.358
#1	.02387	-.00039	.00008	.24191	.00745	-.01828	-.00507
#2	.02421	-.00061	.00006	.24245	.00651	.00850	-.00579
#3	.02437	-.00012	.00070	.24248	.00095	.03188	-.00855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01209**	**.25005**	**.00004**	**.02071**	**.00126**	F **-23.196**	**.25828**
Stddev	.00565	.00099	.00036	.01936	.00051	7.321	.00395
%RSD	46.726	.39444	914.14	93.483	40.424	31.561	1.5308
#1	-.01270	.24891	.00012	.02964	.00068	-14.791	.25431
#2	-.00616	.25064	.00035	.03399	.00146	-26.622	.25831
#3	-.01741	.25060	-.00035	-.00150	.00164	-28.176	.26221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: LCSS AA Acquired: 2/19/2011 0:07:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment: WG356912-03

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-42.688**	F **-.09531**	F **9.5032**	**-.00122**	**.00567**	**1.4870**	**.00033**
Stddev	12.473	.02984	2.3983	.00175	.00162	.3584	.00003
%RSD	29.219	31.315	25.237	143.97	28.651	24.105	8.3029
#1	-51.518	-.08045	6.9943	-.00284	.00451	1.0781	.00030
#2	-28.419	-.12966	11.773	.00064	.00753	1.6359	.00035
#3	-48.126	-.07580	9.7423	-.00144	.00497	1.7470	.00035
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00024**	**.00026**	**-.00026**	**.00188**	**.40555**
Stddev	.00007	.00043	.00015	.00035	.00010	.15341
%RSD	40.032	177.25	56.585	132.19	5.1504	37.828
#1	-.00015	.00022	.00039	-.00008	.00192	.46428
#2	-.00024	-.00063	.00010	-.00005	.00195	.23145
#3	-.00011	-.00032	.00030	-.00066	.00177	.52092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77217.**	**55133.**
Stddev	164.	184.
%RSD	.21288	.33458
#1	77374.	55106.
#2	77046.	55329.
#3	77231.	54964.

Approved: February 21, 2011

Sample Name: L1102032501 Acquired: 2/19/2011 0:11:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00878**	**21.748**	**.04460**	**.05253**	**1.7669**	**.00451**	**43.798**
Stddev	.00058	.183	.00089	.00071	.0024	.00005	.050
%RSD	6.5921	.84170	1.9973	1.3448	.13517	1.0885	.11447
#1	.00944	21.915	.04537	.05229	1.7668	.00456	43.777
#2	.00843	21.553	.04481	.05197	1.7646	.00447	43.762
#3	.00846	21.777	.04363	.05332	1.7693	.00450	43.855
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00936**	**.03867**	**.05340**	**3.5269**	**63.503**	**4.1110**	**.01770**
Stddev	.00017	.00018	.00084	.0122	.018	.0403	.00203
%RSD	1.7980	.45500	1.5658	.34633	.02865	.97910	11.484
#1	.00931	.03865	.05279	3.5163	63.513	4.0754	.01570
#2	.00955	.03851	.05306	3.5240	63.482	4.1547	.01763
#3	.00923	.03886	.05436	3.5403	63.514	4.1031	.01976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.2600**	**2.4808**	**.00500**	**1.2483**	**.04447**	F **13882.**	**2.7083**
Stddev	.0245	.0023	.00014	.0105	.00079	46.	.0065
%RSD	.46539	.09343	2.6988	.84437	1.7838	.33299	.24079
#1	5.2392	2.4794	.00515	1.2590	.04357	13839.	2.7035
#2	5.2540	2.4795	.00488	1.2481	.04476	13875.	2.7057
#3	5.2870	2.4834	.00497	1.2379	.04507	13931.	2.7157
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102032501 Acquired: 2/19/2011 0:11:30 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-32.524**	F **133.68**	F **-3116.2**	**.01203**	**.00654**	**79.390**	**.08936**
Stddev	15.564	.29	10.1	.00193	.00103	.244	.00021
%RSD	47.853	.21924	.32345	16.018	15.768	.30673	.23426
#1	-15.608	133.37	-3105.1	.01021	.00535	79.489	.08918
#2	-35.726	133.72	-3118.9	.01182	.00710	79.112	.08930
#3	-46.237	133.96	-3124.7	.01405	.00717	79.568	.08959
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57486**	**.17081**	**.00313**	**.05407**	**2.1583**	**10.841**
Stddev	.00020	.00077	.00025	.00059	.0052	.074
%RSD	.03426	.44951	8.0210	1.0902	.23862	.68566
#1	.57464	.17095	.00300	.05454	2.1556	10.918
#2	.57501	.16998	.00342	.05341	2.1551	10.835
#3	.57492	.17150	.00298	.05425	2.1643	10.769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79716.**	**56929.**
Stddev	316.	351.
%RSD	.39594	.61665
#1	79631.	56829.
#2	80065.	57319.
#3	79451.	56639.

Approved: February 21, 2011

Sample Name: L1102036544 Acquired: 2/19/2011 0:15:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**22.842**	**.02783**	**.02898**	**.42115**	**.00241**	**409.72**
Stddev	.00044	.228	.00118	.00091	.00288	.00004	2.45
%RSD	22.215	.99737	4.2548	3.1568	.68366	1.7176	.59769
#1	.00245	22.980	.02654	.02876	.41808	.00246	407.26
#2	.00162	22.579	.02888	.02820	.42158	.00238	409.74
#3	.00181	22.967	.02806	.02999	.42379	.00240	412.15
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00358**	**.02059**	**.04461**	**.15360**	**40.580**	**6.7765**	**.04191**
Stddev	.00012	.00013	.00080	.00210	.266	.0621	.00195
%RSD	3.3141	.61098	1.7895	1.3655	.65650	.91700	4.6648
#1	.00361	.02067	.04522	.15166	40.292	6.7484	.04074
#2	.00344	.02066	.04371	.15330	40.631	6.7333	.04082
#3	.00367	.02045	.04490	.15582	40.817	6.8477	.04416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.680**	**3.2502**	**.00260**	**1.7663**	**.04659**	F **4431.8**	**.25559**
Stddev	.114	.0170	.00015	.0141	.00103	64.3	.00396
%RSD	.52564	.52391	5.8252	.80069	2.2045	1.4505	1.5498
#1	21.561	3.2314	.00273	1.7638	.04566	4362.9	.25125
#2	21.690	3.2549	.00244	1.7536	.04641	4442.3	.25652
#3	21.789	3.2645	.00263	1.7816	.04769	4490.1	.25901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036544 Acquired: 2/19/2011 0:15:00 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.600**	F **509.79**	F **-2663.0**	**.00169**	**.00578**	**78.830**	**.00399**
Stddev	11.815	6.50	25.9	.00303	.00296	.925	.00054
%RSD	29.100	1.2751	.97249	179.30	51.107	1.1736	13.496
#1	-28.223	503.51	-2635.0	.00282	.00262	77.908	.00418
#2	-51.757	509.37	-2667.9	-.00174	.00625	78.822	.00338
#3	-41.820	516.49	-2686.1	.00399	.00848	79.759	.00441
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17225**	**.07316**	**.00562**	**.06326**	**.43180**	**12.621**
Stddev	.00088	.00076	.00109	.00098	.00592	.223
%RSD	.50879	1.0398	19.476	1.5513	1.3700	1.7698
#1	.17167	.07395	.00579	.06358	.42590	12.384
#2	.17182	.07243	.00661	.06216	.43178	12.828
#3	.17326	.07310	.00444	.06405	.43773	12.652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75356.**	**55177.**
Stddev	94.	471.
%RSD	.12440	.85442
#1	75344.	54670.
#2	75455.	55602.
#3	75269.	55259.

Approved: February 21, 2011

Sample Name: L1102036545 Acquired: 2/19/2011 0:18:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**32.486**	**.03316**	**.02818**	**.56251**	**.00347**	**330.16**
Stddev	.00048	.150	.00233	.00099	.00115	.00001	1.06
%RSD	23.052	.46138	7.0393	3.4980	.20415	.25393	.32221
#1	.00194	32.643	.03328	.02901	.56120	.00346	329.33
#2	.00170	32.471	.03077	.02844	.56296	.00348	329.79
#3	.00263	32.345	.03543	.02709	.56336	.00346	331.36
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00399**	**.02587**	**.06006**	**.10061**	**48.620**	**7.4431**	**.04555**
Stddev	.00004	.00020	.00093	.00041	.089	.0173	.00391
%RSD	1.0473	.75588	1.5527	.40546	.18293	.23270	8.5860
#1	.00399	.02575	.06112	.10014	48.522	7.4232	.04970
#2	.00403	.02577	.05937	.10083	48.645	7.4546	.04193
#3	.00394	.02610	.05970	.10087	48.695	7.4514	.04503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.758**	**3.9812**	**.00100**	**1.1076**	**.05874**	F **4445.2**	**.22814**
Stddev	.050	.0091	.00013	.0089	.00006	23.6	.00299
%RSD	.22020	.22947	12.923	.80637	.10271	.53056	1.3113
#1	22.724	3.9755	.00097	1.1099	.05869	4421.2	.22882
#2	22.733	3.9763	.00114	1.1152	.05873	4446.2	.22487
#3	22.815	3.9917	.00089	1.0978	.05881	4468.3	.23073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036545 Acquired: 2/19/2011 0:18:32 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-54.358**	F **397.24**	F **-2045.0**	**.00038**	**.00186**	F **94.712**	**.00267**
Stddev	19.725	2.17	18.6	.00309	.00133	.397	.00021
%RSD	36.287	.54700	.90795	805.53	71.517	.41912	8.0321
#1	-72.799	394.99	-2025.3	-.00270	.00277	94.345	.00288
#2	-33.561	397.40	-2047.7	.00348	.00033	94.657	.00245
#3	-56.712	399.33	-2062.1	.00037	.00248	95.133	.00266
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13238**	**.07224**	**.00741**	**.08259**	**.35590**	**17.727**
Stddev	.00022	.00127	.00132	.00076	.00218	.127
%RSD	.16620	1.7514	17.804	.91588	.61352	.71644
#1	.13215	.07272	.00840	.08345	.35384	17.616
#2	.13240	.07320	.00592	.08204	.35568	17.865
#3	.13258	.07081	.00792	.08227	.35819	17.699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75955.**	**55425.**
Stddev	260.	338.
%RSD	.34187	.60975
#1	76107.	55042.
#2	75655.	55680.
#3	76102.	55554.

Approved: February 21, 2011

Sample Name: L1102036546 Acquired: 2/19/2011 0:22:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00244**	**21.907**	**.03480**	**.02148**	**.44530**	**.00262**	**332.42**
Stddev	.00036	.241	.00222	.00119	.00329	.00002	2.48
%RSD	14.684	1.0995	6.3847	5.5224	.73819	.66335	.74494
#1	.00219	21.698	.03253	.02015	.44300	.00261	329.75
#2	.00286	21.852	.03697	.02186	.44384	.00262	332.86
#3	.00228	22.170	.03489	.02242	.44907	.00264	334.65
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00341**	**.02206**	**.04185**	**.15514**	**36.738**	**5.6060**	**.03353**
Stddev	.00006	.00051	.00083	.00334	.284	.1017	.00070
%RSD	1.6311	2.3255	1.9868	2.1553	.77278	1.8150	2.1019
#1	.00342	.02147	.04124	.15162	36.522	5.5492	.03281
#2	.00334	.02230	.04152	.15552	36.632	5.5453	.03422
#3	.00345	.02241	.04280	.15827	37.059	5.7234	.03356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.352**	**3.3870**	**.00108**	**.27488**	**.04672**	F **4200.8**	**.22685**
Stddev	.135	.0255	.00024	.02937	.00089	67.8	.00482
%RSD	.82682	.75287	22.403	10.686	1.8996	1.6146	2.1260
#1	16.210	3.3608	.00100	.29774	.04571	4142.7	.22215
#2	16.367	3.3886	.00089	.24175	.04737	4184.5	.22662
#3	16.479	3.4117	.00136	.28515	.04707	4275.3	.23178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036546 Acquired: 2/19/2011 0:22:05 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.885**	F **384.11**	F **-1007.2**	**.00403**	**.00510**	F **91.124**	**.00279**
Stddev	2.671	6.49	19.5	.00173	.00548	1.775	.00011
%RSD	4.4593	1.6902	1.9380	42.987	107.49	1.9481	3.8751
#1	-60.799	377.58	-988.44	.00600	.00613	89.647	.00281
#2	-61.979	384.18	-1005.8	.00332	.00999	90.633	.00268
#3	-56.878	390.56	-1027.4	.00276	-.00083	93.093	.00289
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13520**	**.07362**	**.00601**	**.06636**	**.28203**	**12.993**
Stddev	.00106	.00196	.00066	.00090	.00495	.221
%RSD	.78609	2.6659	10.938	1.3616	1.7555	1.6984
#1	.13400	.07401	.00677	.06553	.27713	12.937
#2	.13558	.07149	.00567	.06625	.28193	12.806
#3	.13602	.07535	.00559	.06732	.28703	13.236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76574.**	**56204.**
Stddev	183.	268.
%RSD	.23896	.47693
#1	76732.	56491.
#2	76617.	56160.
#3	76373.	55960.

Approved: February 21, 2011

Sample Name: L1102036547 Acquired: 2/19/2011 0:25:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00221**	**26.189**	**.02769**	**.02300**	**.43037**	**.00249**	**195.98**
Stddev	.00142	.156	.00206	.00073	.00250	.00001	.87
%RSD	64.218	.59425	7.4377	3.1837	.58175	.55084	.44217
#1	.00197	26.010	.02534	.02280	.42777	.00249	195.08
#2	.00092	26.274	.02853	.02238	.43058	.00251	196.03
#3	.00372	26.284	.02920	.02381	.43276	.00248	196.82
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00294**	**.02193**	**.04083**	**.21531**	**40.218**	**7.9230**	**.03981**
Stddev	.00014	.00044	.00097	.00205	.230	.0195	.00060
%RSD	4.6631	1.9919	2.3769	.95188	.57308	.24667	1.5182
#1	.00284	.02166	.04050	.21348	39.964	7.9020	.03973
#2	.00288	.02170	.04007	.21493	40.277	7.9264	.03925
#3	.00309	.02243	.04193	.21752	40.414	7.9406	.04045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.668**	**2.2600**	**.00149**	**.19989**	**.04128**	F **4817.9**	**.21129**
Stddev	.102	.0106	.00021	.01149	.00014	33.9	.00089
%RSD	.60921	.46831	13.854	5.7485	.35100	.70265	.42009
#1	16.569	2.2484	.00149	.20288	.04131	4791.5	.21142
#2	16.662	2.2627	.00129	.18720	.04140	4806.1	.21034
#3	16.772	2.2691	.00170	.20959	.04112	4856.1	.21210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036547 Acquired: 2/19/2011 0:25:36 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-44.785**	F **238.14**	F **-1237.7**	**.00103**	**.00421**	**70.267**	**.00427**
Stddev	12.418	1.80	5.7	.00266	.00300	.531	.00020
%RSD	27.727	.75679	.46161	257.47	71.400	.75602	4.7718
#1	-49.662	236.82	-1233.7	.00408	.00767	69.911	.00406
#2	-54.024	237.42	-1235.2	-.00083	.00243	70.013	.00430
#3	-30.669	240.20	-1244.3	-.00015	.00251	70.878	.00446
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15759**	**.07893**	**.00623**	**.06302**	**.31326**	**13.517**
Stddev	.00066	.00105	.00063	.00073	.00193	.238
%RSD	.41911	1.3310	10.087	1.1634	.61532	1.7623
#1	.15689	.07995	.00638	.06218	.31148	13.244
#2	.15765	.07898	.00678	.06349	.31299	13.683
#3	.15821	.07785	.00555	.06340	.31531	13.625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78542.**	**55559.**
Stddev	205.	76.
%RSD	.26109	.13665
#1	78497.	55613.
#2	78766.	55593.
#3	78363.	55472.

Approved: February 21, 2011

Sample Name: L1102036548 Acquired: 2/19/2011 0:29:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**25.232**	**.02981**	**.02036**	**.45763**	**.00274**	**252.87**
Stddev	.00075	.230	.00142	.00156	.00274	.00004	1.33
%RSD	32.473	.91311	4.7557	7.6675	.59921	1.3027	.52667
#1	.00172	24.968	.02906	.02192	.45470	.00271	251.46
#2	.00204	25.337	.03144	.01880	.45805	.00272	253.04
#3	.00315	25.391	.02892	.02035	.46014	.00278	254.10
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**.02259**	**.04370**	**.15635**	**39.692**	**6.0495**	**.03653**
Stddev	.00016	.00016	.00026	.00068	.204	.0344	.00111
%RSD	5.0463	.69517	.59976	.43174	.51360	.56794	3.0369
#1	.00315	.02271	.04350	.15558	39.484	6.0135	.03687
#2	.00330	.02241	.04400	.15685	39.699	6.0532	.03529
#3	.00298	.02265	.04361	.15661	39.892	6.0819	.03743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.643**	**2.9236**	**.00094**	**.29264**	**.04707**	F **4957.8**	**.20735**
Stddev	.091	.0144	.00013	.00251	.00009	24.1	.00233
%RSD	.54763	.49189	14.064	.85624	.18545	.48525	1.1243
#1	16.538	2.9076	.00106	.28994	.04711	4931.4	.20948
#2	16.688	2.9278	.00097	.29309	.04713	4963.4	.20486
#3	16.703	2.9354	.00080	.29489	.04697	4978.5	.20773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036548 Acquired: 2/19/2011 0:29:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.786**	F **285.07**	F **-892.41**	**.00201**	**.00131**	**86.280**	**.00332**
Stddev	11.018	1.41	3.34	.00307	.00249	.537	.00014
%RSD	18.126	.49483	.37419	152.40	190.10	.62239	4.1657
#1	-54.256	283.86	-890.50	.00555	.00209	85.814	.00339
#2	-54.596	284.73	-896.27	.00041	-.00148	86.157	.00342
#3	-73.508	286.62	-890.47	.00008	.00332	86.867	.00316
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14062**	**.07704**	**.00570**	**.06679**	**.38491**	**14.086**
Stddev	.00087	.00048	.00185	.00119	.00178	.149
%RSD	.61744	.62322	32.382	1.7742	.46169	1.0551
#1	.13972	.07748	.00383	.06552	.38335	14.221
#2	.14067	.07711	.00575	.06787	.38453	13.927
#3	.14146	.07653	.00753	.06699	.38685	14.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79716.**	**58529.**
Stddev	256.	543.
%RSD	.32079	.92770
#1	79424.	59148.
#2	79822.	58135.
#3	79901.	58302.

Approved: February 21, 2011

Sample Name: L1102036601 Acquired: 2/19/2011 0:32:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**25.328**	**.03745**	**.02553**	**.36225**	**.00240**	**248.13**
Stddev	.00056	.344	.00415	.00170	.00521	.00005	3.74
%RSD	26.078	1.3594	11.079	6.6579	1.4378	2.1375	1.5059
#1	.00230	24.953	.03504	.02748	.35688	.00234	244.13
#2	.00151	25.401	.03508	.02442	.36259	.00241	248.72
#3	.00259	25.631	.04224	.02467	.36728	.00245	251.54
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**.02409**	**.04162**	**.25748**	**42.020**	**8.6598**	**.04229**
Stddev	.00010	.00041	.00093	.00606	.664	.1427	.00366
%RSD	2.8645	1.7120	2.2452	2.3542	1.5809	1.6478	8.6502
#1	.00353	.02364	.04078	.25131	41.350	8.5270	.04081
#2	.00362	.02419	.04145	.25772	42.031	8.6417	.03960
#3	.00374	.02445	.04262	.26343	42.678	8.8107	.04645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.878**	**2.4005**	**.00212**	**.41759**	**.04503**	F **10975.**	**.27034**
Stddev	.294	.0373	.00003	.01269	.00140	202.	.00505
%RSD	1.6433	1.5551	1.5716	3.0383	3.1169	1.8426	1.8674
#1	17.561	2.3617	.00212	.42683	.04350	10767.	.26491
#2	17.933	2.4038	.00215	.40313	.04535	10988.	.27122
#3	18.141	2.4361	.00209	.42282	.04625	11171.	.27489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036601 Acquired: 2/19/2011 0:32:40 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.018**	F **320.30**	F **-1627.6**	**.00178**	**.00597**	**73.949**	**.00734**
Stddev	7.729	6.27	32.8	.00462	.00599	1.335	.00062
%RSD	19.315	1.9569	2.0136	259.22	100.29	1.8048	8.4070
#1	-31.508	313.88	-1595.4	.00521	.01244	72.730	.00674
#2	-46.603	320.61	-1626.5	.00361	.00061	73.741	.00732
#3	-41.943	326.40	-1660.9	-.00347	.00487	75.375	.00797
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13044**	**.08573**	**.00565**	**.06442**	**.41727**	**13.175**
Stddev	.00221	.00179	.00146	.00059	.00839	.312
%RSD	1.6976	2.0883	25.813	.91397	2.0115	2.3656
#1	.12800	.08368	.00572	.06380	.40882	12.953
#2	.13100	.08699	.00707	.06448	.41738	13.531
#3	.13232	.08653	.00416	.06498	.42560	13.040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77276.**	**56947.**
Stddev	12.	233.
%RSD	.01580	.40878
#1	77290.	57187.
#2	77269.	56932.
#3	77269.	56722.

Approved: February 21, 2011

Sample Name: L1102036601PS Acquired: 2/19/2011 0:36:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356965-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20306**	**27.670**	**.23977**	**1.0282**	**.84982**	**.02796**	**237.42**
Stddev	.00002	.096	.00151	.0008	.00018	.00013	.46
%RSD	.01190	.34693	.62865	.07827	.02095	.44938	.19510
#1	.20306	27.765	.23981	1.0291	.84983	.02810	237.53
#2	.20308	27.671	.23824	1.0275	.84963	.02789	236.91
#3	.20304	27.573	.24126	1.0280	.84999	.02788	237.81
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03005**	**.12472**	**.28281**	**.47545**	**41.210**	**34.230**	**.55956**
Stddev	.00030	.00056	.00102	.00081	.076	.097	.00179
%RSD	.98234	.44619	.36208	.16950	.18387	.28255	.32056
#1	.02977	.12420	.28387	.47530	41.289	34.159	.55966
#2	.03036	.12465	.28183	.47632	41.138	34.191	.55772
#3	.03000	.12531	.28273	.47473	41.203	34.340	.56130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**21.803**	**2.4995**	**.52706**	**27.217**	**.29470**	F **9603.0**	**.49829**
Stddev	.025	.0057	.00059	.050	.00016	26.0	.00237
%RSD	.11522	.22783	.11215	.18483	.05390	.27074	.47651
#1	21.824	2.5030	.52682	27.272	.29489	9606.7	.49844
#2	21.776	2.4929	.52664	27.174	.29460	9575.3	.50059
#3	21.811	2.5025	.52774	27.205	.29462	9626.9	.49585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036601PS Acquired: 2/19/2011 0:36:11 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356965-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.885**	F **282.01**	F **-1449.5**	**.62129**	**.21721**	F **379.31**	**.00680**
Stddev	8.958	.31	.8	.00162	.00567	1.37	.00016
%RSD	21.911	.11155	.05178	.26028	2.6122	.36036	2.3787
#1	-42.296	281.74	-1449.5	.62215	.22333	377.93	.00682
#2	-49.054	281.94	-1450.3	.61942	.21213	379.33	.00664
#3	-31.305	282.36	-1448.8	.62229	.21616	380.66	.00696
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62460**	**.61796**	**.26259**	**.55185**	**.87917**	**12.406**
Stddev	.00118	.00037	.00173	.00111	.00247	.203
%RSD	.18966	.05924	.65955	.20121	.28112	1.6354
#1	.62449	.61830	.26245	.55240	.87648	12.490
#2	.62347	.61757	.26439	.55058	.87967	12.554
#3	.62584	.61799	.26093	.55258	.88135	12.175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73875.**	**55860.**
Stddev	624.	140.
%RSD	.84443	.25044
#1	74573.	55965.
#2	73680.	55913.
#3	73372.	55701.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/19/2011 0:39:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39766**	**10.016**	**.41055**	**.49485**	**1.0182**	**.05028**	**10.107**
Stddev	.00331	.040	.00150	.00283	.0027	.00035	.027
%RSD	.83340	.39594	.36486	.57227	.26334	.69731	.26327
#1	.40102	10.018	.41213	.49657	1.0154	.05063	10.077
#2	.39440	9.9760	.41037	.49158	1.0186	.04993	10.126
#3	.39756	10.055	.40915	.49639	1.0207	.05030	10.119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05235**	**.20698**	**.50276**	**.50548**	**4.0857**	**50.802**	**1.0232**
Stddev	.00028	.00083	.00474	.00183	.0141	.212	.0043
%RSD	.54140	.40259	.94374	.36154	.34595	.41770	.41967
#1	.05221	.20643	.50748	.50492	4.0703	50.592	1.0184
#2	.05217	.20657	.49799	.50401	4.0980	50.798	1.0246
#3	.05268	.20794	.50281	.50753	4.0889	51.016	1.0266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.223**	**.51124**	**1.0085**	**51.343**	**.51563**	F **-.55583**	**.53481**
Stddev	.010	.00229	.0017	.098	.00153	8.5302	.00113
%RSD	.09349	.44710	.16815	.19001	.29711	1534.7	.21039
#1	10.234	.50922	1.0089	51.323	.51435	.57621	.53355
#2	10.217	.51372	1.0067	51.256	.51521	-9.5955	.53518
#3	10.219	.51078	1.0100	51.449	.51733	7.3518	.53570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/19/2011 0:39:39 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-32.600**	**10.187**	F **16.057**	**1.2364**	**.40936**	F **4.2233**	**1.0254**
Stddev	20.347	.017	1.357	.0035	.00567	.2065	.0010
%RSD	62.413	.16383	8.4513	.28011	1.3852	4.8904	.10180
#1	-9.1452	10.186	15.047	1.2390	.41579	3.9849	1.0245
#2	-43.146	10.171	15.523	1.2325	.40724	4.3385	1.0253
#3	-45.508	10.204	17.599	1.2377	.40505	4.3466	1.0266
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0025**	**1.0519**	**.51969**	**.98287**	**1.0220**	F **1.2213**
Stddev	.0060	.0014	.00133	.00644	.0017	.2411
%RSD	.60370	.12953	.25548	.65558	.16876	19.741
#1	.99550	1.0520	.52078	.98936	1.0209	.98908
#2	1.0058	1.0533	.51821	.97648	1.0212	1.4704
#3	1.0061	1.0506	.52008	.98278	1.0240	1.2045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75581.**	**54684.**
Stddev	155.	496.
%RSD	.20526	.90673
#1	75694.	54184.
#2	75404.	55176.
#3	75645.	54692.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 0:43:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00993**	**.00290**	**.00084**	**-.00081**	**.00000**	**.00039**
Stddev	.00028	.00254	.00053	.00030	.00012	.0000	.00242
%RSD	18.287	25.555	18.330	35.351	14.678	4798.7	624.84
#1	.00150	-.01145	.00254	.00104	-.00095	-.00001	-.00216
#2	.00130	-.00700	.00352	.00097	-.00073	.00001	.00067
#3	.00186	-.01134	.00266	.00050	-.00076	.00000	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00009**	**-.00090**	**-.00045**	**.00088**	**.02668**	**-.00235**
Stddev	.00002	.00017	.00039	.00031	.00337	.03152	.00168
%RSD	43.005	203.21	43.095	69.817	382.18	118.15	71.290
#1	.00005	-.00026	-.00118	-.00056	-.00300	-.00496	-.00423
#2	.00004	-.00007	-.00108	-.00069	.00297	.05808	-.00183
#3	.00002	.00008	-.00046	-.00009	.00268	.02691	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00651**	**.00020**	**.00047**	**.03840**	**.00038**	F **-6.8153**	**.00242**
Stddev	.01793	.00068	.00011	.02127	.00041	6.4718	.00065
%RSD	275.20	346.56	22.566	55.397	108.00	94.959	26.747
#1	-.02709	.00068	.00048	.03332	.00026	-.73002	.00316
#2	.00177	-.00058	.00057	.06176	.00085	-6.1016	.00207
#3	.00578	.00049	.00036	.02013	.00005	-13.614	.00202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 0:43:09 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-32.619**	F **-.25387**	F **8.8647**	**-.00402**	**.00086**	**.28683**	**.00079**
Stddev	13.850	.03612	1.2378	.00290	.00234	.18726	.00051
%RSD	42.461	14.229	13.964	72.184	273.71	65.285	64.482
#1	-34.594	-.28386	9.3076	-.00503	.00117	.18819	.00023
#2	-17.887	-.21377	7.4664	-.00629	.00303	.50279	.00090
#3	-45.376	-.26398	9.8202	-.00075	-.00163	.16952	.00123
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00080**	**.00163**	**-.00015**	**.00000**	F **.23627**
Stddev	.00015	.00088	.00048	.00006	.0001	.14129
%RSD	85.082	110.12	29.238	42.392	5251.3	59.801
#1	-.00034	-.00181	.00200	-.00008	.00004	.08586
#2	-.00011	-.00015	.00109	-.00018	.00003	.25675
#3	-.00007	-.00045	.00180	-.00019	-.00007	.36621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76186.**	**54825.**
Stddev	392.	264.
%RSD	.51419	.48154
#1	76466.	54753.
#2	76354.	55117.
#3	75738.	54604.

Approved: February 21, 2011

Sample Name: L1102036601SDL Acquired: 2/19/2011 0:46:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356965-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**5.2897**	**.00805**	**.00543**	**.06981**	**.00050**	**48.364**
Stddev	.00028	.0820	.00092	.00264	.00044	.00002	.152
%RSD	15.499	1.5505	11.407	48.660	.62576	4.9968	.31479
#1	.00150	5.1974	.00701	.00835	.06944	.00048	48.194
#2	.00182	5.3176	.00875	.00470	.06970	.00052	48.409
#3	.00206	5.3542	.00839	.00322	.07030	.00049	48.488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00477**	**.00814**	**.04682**	**8.2151**	**1.6917**	**.00598**
Stddev	.00007	.00024	.00003	.00083	.0088	.0753	.00467
%RSD	12.621	5.0515	.39433	1.7735	.10765	4.4505	78.160
#1	.00056	.00465	.00810	.04693	8.2058	1.7551	.00189
#2	.00054	.00462	.00816	.04594	8.2234	1.6085	.01107
#3	.00068	.00505	.00815	.04759	8.2161	1.7113	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.5904**	**.47450**	**.00024**	**.09845**	**.00818**	F **1955.8**	**.05158**
Stddev	.0148	.00147	.00012	.00877	.00033	12.3	.00086
%RSD	.41193	.30918	50.370	8.9088	3.9971	.62890	1.6710
#1	3.6030	.47387	.00026	.10082	.00846	1948.9	.05182
#2	3.5741	.47346	.00034	.10579	.00782	1948.5	.05062
#3	3.5941	.47618	.00011	.08874	.00825	1970.0	.05230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036601SDL Acquired: 2/19/2011 0:46:51 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 25 Custom ID2: Custom ID3:
Comment: WG356965-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-2.4347**	F **60.466**	F **-283.11**	**-.00159**	**.00108**	**12.749**	**.00118**
Stddev	15.062	.257	1.36	.00227	.00315	.202	.00021
%RSD	618.64	.42451	.47880	142.71	292.99	1.5823	17.735
#1	-17.182	60.248	-282.55	-.00421	-.00052	12.700	.00139
#2	12.923	60.401	-284.65	-.00027	-.00096	12.971	.00098
#3	-3.0452	60.749	-282.12	-.00029	.00471	12.577	.00117
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02521**	**.01481**	**.00291**	**.01220**	**.07789**	**2.3755**
Stddev	.00008	.00034	.00070	.00002	.00035	.2587
%RSD	.31751	2.3043	24.191	.15313	.45188	10.889
#1	.02529	.01505	.00211	.01218	.07761	2.6577
#2	.02513	.01497	.00314	.01222	.07778	2.1496
#3	.02520	.01442	.00346	.01221	.07828	2.3191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77464.**	**54472.**
Stddev	325.	614.
%RSD	.41940	1.1278
#1	77385.	55128.
#2	77821.	54380.
#3	77185.	53910.

Approved: February 21, 2011

Sample Name: L1102036601SDL Acquired: 2/19/2011 0:50:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356965-02

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**1.0503**	**.00190**	**-.00006**	**.01291**	**.00007**	**9.3554**
Stddev	.00067	.0148	.00085	.00066	.00032	.00003	.0328
%RSD	81.011	1.4088	44.774	1190.4	2.5076	35.336	.35055
#1	.00151	1.0398	.00169	-.00051	.01280	.00006	9.3715
#2	.00076	1.0438	.00117	-.00035	.01267	.00010	9.3177
#3	.00019	1.0672	.00283	.00070	.01328	.00005	9.3770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00089**	**.00159**	**.00895**	**1.5482**	**.28129**	**.00077**
Stddev	.00007	.00028	.00034	.00035	.0146	.04017	.00329
%RSD	4307.8	30.918	21.484	3.9331	.94391	14.282	428.79
#1	-.00007	.00109	.00198	.00856	1.5650	.30301	.00340
#2	.00002	.00058	.00134	.00923	1.5410	.23493	-.00292
#3	.00006	.00100	.00146	.00908	1.5385	.30593	.00183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.71182**	**.09251**	**-.00037**	**.02961**	**.00167**	**356.96**	**.01154**
Stddev	.01786	.00150	.00020	.02592	.00061	10.28	.00100
%RSD	2.5085	1.6251	54.091	87.556	36.336	2.8800	8.6991
#1	.71920	.09142	-.00059	.04887	.00211	366.27	.01110
#2	.69146	.09422	-.00020	.03981	.00098	358.70	.01269
#3	.72480	.09188	-.00033	.00013	.00193	345.93	.01083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Approved: February 21, 2011

Sample Name: L1102036601SDL Acquired: 2/19/2011 0:50:25 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 125 Custom ID2: Custom ID3:
Comment: WG356965-02

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-22.171**	F **11.421**	F **-42.666**	**-.00553**	**-.00071**	**2.0625**	**.00006**
Stddev	6.486	.011	1.051	.00059	.00114	.0600	.00007
%RSD	29.255	.09400	2.4641	10.627	160.17	2.9089	119.42
#1	-16.851	11.432	-41.561	-.00620	.00044	2.0365	.00006
#2	-29.396	11.411	-42.783	-.00509	-.00184	2.0199	.00014
#3	-20.266	11.419	-43.654	-.00531	-.00073	2.1311	-.00001
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00470**	**.00298**	**.00225**	**.00268**	**.01601**	**.54099**
Stddev	.00023	.00010	.00114	.00025	.00010	.35989
%RSD	4.8986	3.5183	50.512	9.2342	.60187	66.525
#1	.00494	.00308	.00095	.00273	.01590	.12593
#2	.00466	.00288	.00308	.00242	.01604	.73064
#3	.00449	.00299	.00271	.00291	.01609	.76640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77437.**	**54689.**
Stddev	256.	209.
%RSD	.33077	.38285
#1	77692.	54839.
#2	77439.	54779.
#3	77179.	54450.

Approved: February 21, 2011

Sample Name: L1102036602 Acquired: 2/19/2011 0:54:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**29.238**	**.03812**	**.02433**	**.47869**	**.00301**	**309.01**
Stddev	.00120	.324	.00059	.00090	.00615	.00004	3.37
%RSD	46.808	1.1073	1.5351	3.7002	1.2851	1.1834	1.0912
#1	.00153	28.874	.03820	.02333	.47208	.00298	305.60
#2	.00388	29.350	.03865	.02457	.47973	.00299	309.09
#3	.00228	29.492	.03749	.02508	.48425	.00305	312.34
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**.02572**	**.05008**	**.18616**	**42.711**	**6.8404**	**.04422**
Stddev	.00012	.00044	.00086	.00331	.532	.0514	.00125
%RSD	3.3134	1.6980	1.7072	1.7763	1.2445	.75063	2.8203
#1	.00372	.02533	.04914	.18322	42.135	6.7811	.04343
#2	.00365	.02565	.05031	.18551	42.816	6.8717	.04566
#3	.00389	.02619	.05080	.18974	43.183	6.8684	.04357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.893**	**3.5371**	**.00140**	**.51458**	**.05403**	F **8594.8**	**.26119**
Stddev	.196	.0373	.00009	.00695	.00161	147.6	.00381
%RSD	1.0979	1.0546	6.3704	1.3497	2.9708	1.7176	1.4575
#1	17.705	3.5004	.00147	.50915	.05218	8445.1	.25715
#2	17.879	3.5360	.00130	.51217	.05510	8598.9	.26173
#3	18.097	3.5750	.00142	.52240	.05481	8740.3	.26471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036602 Acquired: 2/19/2011 0:54:07 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-39.774**	F **370.76**	F **-1299.1**	**.00069**	**.00804**	**86.422**	**.00461**
Stddev	12.707	6.44	17.5	.00041	.00111	1.527	.00025
%RSD	31.948	1.7366	1.3452	59.635	13.755	1.7673	5.4085
#1	-50.799	364.40	-1284.4	.00099	.00811	84.893	.00469
#2	-42.647	370.61	-1294.5	.00022	.00691	86.426	.00432
#3	-25.877	377.28	-1318.4	.00086	.00912	87.947	.00480
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13329**	**.07968**	**.00709**	**.08120**	**.38295**	**14.899**
Stddev	.00141	.00227	.00147	.00140	.00726	.284
%RSD	1.0607	2.8523	20.693	1.7225	1.8958	1.9045
#1	.13181	.07865	.00726	.07967	.37567	14.775
#2	.13343	.07811	.00555	.08153	.38299	15.224
#3	.13463	.08229	.00847	.08241	.39019	14.698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76371.**	**55836.**
Stddev	236.	109.
%RSD	.30864	.19468
#1	76595.	55813.
#2	76392.	55740.
#3	76125.	55954.

Approved: February 21, 2011

Sample Name: L1102036603 Acquired: 2/19/2011 0:57:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00208**	**25.590**	**.03172**	**.03071**	**.45746**	**.00274**	**235.38**
Stddev	.00059	.283	.00154	.00118	.00412	.00006	2.15
%RSD	28.155	1.1046	4.8687	3.8484	.89977	2.3122	.91225
#1	.00235	25.291	.03098	.03070	.45312	.00268	233.29
#2	.00249	25.626	.03069	.02953	.45796	.00275	235.27
#3	.00141	25.853	.03350	.03189	.46131	.00280	237.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00381**	**.02461**	**.04258**	**.33874**	**45.029**	**9.8356**	**.03971**
Stddev	.00019	.00039	.00105	.00699	.440	.0959	.00063
%RSD	4.9496	1.5681	2.4655	2.0628	.97768	.97487	1.5842
#1	.00371	.02436	.04282	.33216	44.552	9.8164	.03900
#2	.00370	.02442	.04143	.33800	45.117	9.7507	.03992
#3	.00403	.02506	.04349	.34607	45.419	9.9396	.04021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.386**	**2.6643**	**.00299**	**.45092**	**.04631**	F **8580.4**	**.23179**
Stddev	.143	.0242	.00009	.01760	.00072	147.6	.00291
%RSD	.87348	.90671	3.0833	3.9025	1.5644	1.7200	1.2572
#1	16.266	2.6398	.00296	.43795	.04547	8436.2	.22970
#2	16.348	2.6652	.00291	.47095	.04672	8573.8	.23054
#3	16.544	2.6881	.00309	.44386	.04673	8731.2	.23512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036603 Acquired: 2/19/2011 0:57:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-70.171**	F **303.57**	F **-1641.3**	**.00077**	**.00755**	**79.363**	**.00437**
Stddev	11.577	5.43	27.7	.00336	.00327	1.352	.00028
%RSD	16.499	1.7878	1.6882	437.43	43.319	1.7036	6.4886
#1	-78.405	298.18	-1610.2	-.00286	.00466	77.905	.00427
#2	-75.175	303.49	-1650.6	.00139	.01110	79.609	.00469
#3	-56.933	309.04	-1663.2	.00378	.00690	80.576	.00415
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20868**	**.08827**	**.00658**	**.06613**	**.40364**	**16.368**
Stddev	.00218	.00148	.00125	.00059	.00761	.501
%RSD	1.0423	1.6780	19.032	.89812	1.8862	3.0612
#1	.20658	.08901	.00516	.06624	.39631	15.844
#2	.20853	.08923	.00703	.06549	.40311	16.843
#3	.21092	.08656	.00754	.06667	.41151	16.417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78477.**	**58469.**
Stddev	179.	108.
%RSD	.22813	.18421
#1	78558.	58345.
#2	78601.	58538.
#3	78272.	58524.

Approved: February 21, 2011

Sample Name: L1102036604 Acquired: 2/19/2011 1:01:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00213**	**25.230**	**.03104**	**.02731**	**.47308**	**.00285**	**241.13**
Stddev	.00038	.391	.00017	.00027	.00550	.00005	1.87
%RSD	17.708	1.5515	.53427	.99774	1.1621	1.6940	.77528
#1	.00221	24.829	.03120	.02706	.46697	.00279	239.16
#2	.00172	25.251	.03087	.02726	.47465	.00286	241.35
#3	.00246	25.611	.03105	.02760	.47763	.00289	242.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.02717**	**.04730**	**.23298**	**46.520**	**7.9789**	**.03294**
Stddev	.00006	.00041	.00097	.00318	.520	.1447	.00463
%RSD	2.0328	1.4969	2.0522	1.3669	1.1168	1.8132	14.048
#1	.00292	.02670	.04635	.22997	45.955	7.8124	.02796
#2	.00304	.02741	.04726	.23266	46.628	8.0507	.03710
#3	.00298	.02740	.04829	.23632	46.977	8.0737	.03377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**16.080**	**2.6997**	**.00178**	**.97378**	**.04952**	F **4434.8**	**.18973**
Stddev	.161	.0271	.00017	.00856	.00088	59.4	.00207
%RSD	1.0000	1.0032	9.6459	.87881	1.7746	1.3391	1.0900
#1	15.928	2.6701	.00188	.97439	.04925	4375.5	.18739
#2	16.062	2.7059	.00187	.98201	.04882	4434.4	.19132
#3	16.249	2.7232	.00158	.96493	.05051	4494.3	.19048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036604 Acquired: 2/19/2011 1:01:12 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-63.830**	F **296.93**	F **-1395.3**	**.00253**	**.00681**	**82.659**	**.00622**
Stddev	12.743	3.93	9.5	.00347	.00489	1.580	.00025
%RSD	19.964	1.3225	.68197	137.46	71.883	1.9110	3.9787
#1	-74.846	293.03	-1384.3	.00428	.00201	81.036	.00647
#2	-66.772	296.89	-1400.9	-.00147	.00662	82.748	.00621
#3	-49.874	300.88	-1400.6	.00477	.01179	84.192	.00598
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15836**	**.09120**	**.00643**	**.07021**	**.26834**	**17.260**
Stddev	.00085	.00222	.00113	.00102	.00386	.217
%RSD	.53406	2.4385	17.534	1.4588	1.4383	1.2561
#1	.15742	.08939	.00646	.06914	.26435	17.018
#2	.15858	.09054	.00754	.07031	.26860	17.324
#3	.15907	.09368	.00529	.07119	.27206	17.437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77452.**	**57692.**
Stddev	65.	244.
%RSD	.08442	.42308
#1	77509.	57968.
#2	77466.	57605.
#3	77380.	57503.

Approved: February 21, 2011

Sample Name: L1102036605 Acquired: 2/19/2011 1:04:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**26.328**	**.03342**	**.02828**	**.47667**	**.00286**	**252.71**
Stddev	.00048	.615	.00165	.00076	.00851	.00008	4.09
%RSD	22.328	2.3375	4.9484	2.6899	1.7847	2.8196	1.6178
#1	.00254	25.681	.03200	.02740	.46842	.00277	248.30
#2	.00161	26.397	.03303	.02879	.47616	.00289	253.45
#3	.00229	26.906	.03524	.02865	.48541	.00293	256.37
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00438**	**.02616**	**.04905**	**.19817**	**44.195**	**7.6962**	**.03941**
Stddev	.00022	.00072	.00159	.00483	.813	.0527	.00057
%RSD	5.1041	2.7359	3.2345	2.4391	1.8399	.68414	1.4563
#1	.00413	.02544	.04751	.19347	43.409	7.6364	.03938
#2	.00453	.02617	.04896	.19792	44.144	7.7356	.04000
#3	.00450	.02687	.05068	.20313	45.033	7.7166	.03885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.245**	**3.2796**	**.00201**	**.33118**	**.05221**	F **9828.3**	**.24907**
Stddev	.302	.0512	.00020	.00599	.00188	238.4	.00662
%RSD	1.6561	1.5613	10.078	1.8097	3.5917	2.4257	2.6561
#1	17.930	3.2267	.00224	.33379	.05027	9596.3	.24206
#2	18.274	3.2834	.00187	.33543	.05234	9815.8	.24995
#3	18.532	3.3289	.00191	.32432	.05402	10073.	.25520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036605 Acquired: 2/19/2011 1:04:45 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.997**	F **325.66**	F **-1551.7**	**.00246**	**.00635**	**87.686**	**.00391**
Stddev	21.752	8.39	30.4	.00167	.00121	2.282	.00011
%RSD	44.395	2.5749	1.9565	67.751	19.080	2.6022	2.8214
#1	-65.347	317.80	-1522.6	.00375	.00774	85.516	.00388
#2	-57.335	324.69	-1549.4	.00307	.00566	87.477	.00382
#3	-24.310	334.48	-1583.2	.00058	.00563	90.065	.00403
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20976**	**.09326**	**.00725**	**.06999**	**.45276**	**17.667**
Stddev	.00314	.00092	.00145	.00113	.01234	.483
%RSD	1.4980	.98121	19.930	1.6097	2.7258	2.7350
#1	.20639	.09232	.00745	.06892	.44087	17.299
#2	.21028	.09330	.00859	.06988	.45189	17.486
#3	.21261	.09415	.00572	.07116	.46551	18.214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77414.**	**56856.**
Stddev	523.	164.
%RSD	.67538	.28817
#1	77753.	57045.
#2	77677.	56760.
#3	76812.	56762.

Approved: February 21, 2011

Sample Name: L1102036606 Acquired: 2/19/2011 1:08:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00264**	**35.260**	**.03847**	**.02977**	**.50528**	**.00361**	**338.36**
Stddev	.00048	.502	.00133	.00148	.00275	.00003	1.80
%RSD	18.067	1.4244	3.4572	4.9726	.54377	.94107	.53307
#1	.00209	34.680	.03844	.02808	.50280	.00358	336.43
#2	.00290	35.531	.03982	.03045	.50480	.00365	338.63
#3	.00293	35.569	.03716	.03079	.50824	.00360	340.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00395**	**.02719**	**.06355**	**.11132**	**50.934**	**7.2497**	**.05445**
Stddev	.00007	.00051	.00071	.00107	.286	.0283	.00328
%RSD	1.6511	1.8586	1.1117	.96080	.56128	.38989	6.0217
#1	.00390	.02662	.06284	.11032	50.662	7.2257	.05115
#2	.00393	.02739	.06355	.11120	50.910	7.2808	.05770
#3	.00402	.02758	.06426	.11245	51.232	7.2425	.05450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.479**	**3.9805**	**.00152**	**.91215**	**.06275**	F **9168.5**	**.24277**
Stddev	.152	.0285	.00013	.01919	.00035	119.2	.00541
%RSD	.64602	.71675	8.4321	2.1039	.55178	1.3004	2.2265
#1	23.353	3.9507	.00145	.93184	.06238	9054.3	.23687
#2	23.436	3.9832	.00143	.89350	.06307	9158.9	.24747
#3	23.647	4.0076	.00166	.91111	.06280	9292.2	.24398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036606 Acquired: 2/19/2011 1:08:16 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-47.617**	F **382.86**	F **-947.64**	**.00042**	**.00679**	F **91.498**	**.00277**
Stddev	7.697	4.98	6.54	.00089	.00139	.965	.00044
%RSD	16.164	1.2995	.69054	212.50	20.486	1.0546	15.865
#1	-39.641	377.96	-940.20	.00068	.00597	90.530	.00256
#2	-48.211	382.70	-952.50	-.00057	.00600	91.505	.00248
#3	-55.000	387.91	-950.23	.00115	.00839	92.459	.00328
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit	9.0000	9.0000	9.0000			90.000	
Low Limit	-.00400	-.00400	-.00400			-1.0000	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14381**	**.07573**	**.00780**	**.09049**	**.39972**	**16.724**
Stddev	.00050	.00059	.00132	.00084	.00498	.225
%RSD	.34733	.77529	16.866	.93370	1.2460	1.3474
#1	.14344	.07543	.00675	.08957	.39489	16.467
#2	.14361	.07536	.00927	.09123	.39943	16.820
#3	.14438	.07641	.00736	.09067	.40484	16.885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75612.**	**55773.**
Stddev	295.	430.
%RSD	.39008	.77012
#1	75935.	56243.
#2	75543.	55401.
#3	75358.	55674.

Approved: February 21, 2011

Sample Name: L1102036607 Acquired: 2/19/2011 1:11:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**31.259**	**.03245**	**.03076**	**.46438**	**.00308**	**263.97**
Stddev	.00038	.509	.00070	.00108	.00307	.00003	1.53
%RSD	13.625	1.6279	2.1720	3.5203	.66021	1.0128	.58059
#1	.00294	30.675	.03170	.02954	.46097	.00305	262.29
#2	.00312	31.606	.03254	.03160	.46526	.00312	264.35
#3	.00238	31.496	.03310	.03115	.46691	.00308	265.28
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**.02455**	**.05036**	**.26236**	**49.102**	**10.374**	**.04523**
Stddev	.00007	.00035	.00066	.00309	.336	.018	.00258
%RSD	1.7491	1.4404	1.3048	1.1796	.68522	.17192	5.7148
#1	.00386	.02419	.04968	.25904	48.727	10.356	.04705
#2	.00384	.02458	.05099	.26287	49.200	10.373	.04227
#3	.00397	.02489	.05041	.26516	49.378	10.392	.04638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**18.802**	**2.8601**	**.00262**	**.37336**	**.05077**	F **8398.1**	**.25289**
Stddev	.130	.0137	.00044	.03243	.00100	95.6	.00347
%RSD	.69342	.48028	16.800	8.6854	1.9632	1.1380	1.3717
#1	18.653	2.8447	.00299	.38314	.05100	8308.7	.25112
#2	18.862	2.8643	.00213	.33717	.04967	8386.7	.25066
#3	18.893	2.8712	.00273	.39977	.05162	8498.9	.25689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036607 Acquired: 2/19/2011 1:11:48 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-55.094**	F **324.14**	F **-1569.9**	**.00067**	**.00243**	**70.998**	**.00443**
Stddev	9.447	4.22	16.1	.00222	.00276	.858	.00045
%RSD	17.146	1.3032	1.0235	333.96	113.36	1.2083	10.166
#1	-60.556	320.12	-1555.7	.00154	.00519	70.250	.00419
#2	-44.186	323.75	-1566.7	-.00186	.00244	70.810	.00495
#3	-60.541	328.54	-1587.4	.00232	-.00033	71.934	.00415
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20649**	**.08651**	**.00633**	**.07132**	**.52929**	**16.455**
Stddev	.00078	.00093	.00150	.00107	.00673	.368
%RSD	.37687	1.0727	23.708	1.5020	1.2706	2.2365
#1	.20561	.08662	.00803	.07020	.52256	16.038
#2	.20676	.08553	.00577	.07233	.52930	16.596
#3	.20710	.08738	.00518	.07144	.53601	16.732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77095.**	**57174.**
Stddev	382.	290.
%RSD	.49544	.50748
#1	77445.	57400.
#2	77151.	56847.
#3	76688.	57275.

Approved: February 21, 2011

Sample Name: L1102036608 Acquired: 2/19/2011 1:15:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00335**	**29.473**	**.03409**	**.02609**	**.47495**	**.00325**	**361.17**
Stddev	.00015	.605	.00130	.00132	.00533	.00010	4.38
%RSD	4.5563	2.0511	3.8048	5.0721	1.1226	2.9968	1.2116
#1	.00345	28.777	.03507	.02462	.46943	.00313	356.45
#2	.00341	29.784	.03458	.02646	.47536	.00329	361.99
#3	.00317	29.860	.03262	.02719	.48007	.00331	365.09
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**.02536**	**.04960**	**.20550**	**44.521**	**8.1723**	**.04300**
Stddev	.00012	.00072	.00135	.00432	.528	.0932	.00292
%RSD	3.1537	2.8375	2.7295	2.1025	1.1853	1.1406	6.7987
#1	.00355	.02461	.04849	.20102	43.983	8.0664	.04422
#2	.00368	.02544	.05111	.20584	44.543	8.2417	.04512
#3	.00378	.02604	.04921	.20965	45.038	8.2089	.03967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.372**	**2.9792**	**.00125**	**.51023**	**.05277**	F **5967.9**	**.21347**
Stddev	.230	.0366	.00027	.01626	.00141	121.2	.00518
%RSD	1.1850	1.2287	21.771	3.1860	2.6663	2.0303	2.4263
#1	19.133	2.9408	.00109	.49191	.05146	5848.7	.20750
#2	19.392	2.9830	.00110	.52294	.05260	5964.0	.21672
#3	19.591	3.0137	.00157	.51584	.05426	6090.9	.21619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036608 Acquired: 2/19/2011 1:15:21 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.641**	F **432.87**	F **-1365.5**	**.00218**	**.00366**	**89.181**	**.00351**
Stddev	13.669	8.16	26.2	.00310	.00120	1.862	.00052
%RSD	29.948	1.8863	1.9163	142.22	32.709	2.0879	14.840
#1	-47.593	425.01	-1337.4	-.00003	.00461	87.359	.00355
#2	-31.101	432.29	-1370.0	.00085	.00406	89.103	.00297
#3	-58.229	441.31	-1389.1	.00573	.00232	91.080	.00402
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18227**	**.07598**	**.00572**	**.07544**	**.36036**	**16.695**
Stddev	.00183	.00185	.00112	.00194	.00722	.489
%RSD	1.0039	2.4313	19.568	2.5718	2.0035	2.9309
#1	.18035	.07528	.00447	.07320	.35343	16.143
#2	.18245	.07457	.00607	.07667	.35982	16.864
#3	.18400	.07807	.00662	.07645	.36784	17.077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**75573.**	**55390.**
Stddev	60.	498.
%RSD	.07877	.89883
#1	75528.	55965.
#2	75640.	55113.
#3	75550.	55093.

Approved: February 21, 2011

Sample Name: L1102036609 Acquired: 2/19/2011 1:18:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**23.978**	**.03015**	**.02627**	**.44005**	**.00270**	**224.28**
Stddev	.00035	.127	.00086	.00098	.00419	.00002	2.09
%RSD	18.184	.53145	2.8537	3.7487	.95114	.66929	.93387
#1	.00153	23.844	.02927	.02528	.43556	.00268	222.28
#2	.00199	23.993	.03018	.02627	.44074	.00272	224.10
#3	.00221	24.098	.03099	.02725	.44384	.00271	226.46
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00396**	**.02362**	**.04514**	**.20580**	**42.926**	**7.6906**	**.03814**
Stddev	.00005	.00036	.00073	.00262	.328	.0974	.00114
%RSD	1.2153	1.5190	1.6281	1.2738	.76519	1.2660	2.9973
#1	.00395	.02330	.04481	.20346	42.561	7.6163	.03743
#2	.00392	.02357	.04463	.20532	43.017	7.6547	.03946
#3	.00401	.02401	.04598	.20863	43.199	7.8008	.03753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.624**	**3.0348**	**.00142**	**.48130**	**.04720**	F **11473.**	**.20338**
Stddev	.179	.0300	.00022	.01152	.00115	177.	.00316
%RSD	1.0160	.98902	15.775	2.3927	2.4345	1.5458	1.5556
#1	17.446	3.0073	.00139	.49309	.04626	11285.	.20182
#2	17.622	3.0301	.00165	.47008	.04687	11497.	.20130
#3	17.804	3.0668	.00121	.48073	.04848	11637.	.20702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036609 Acquired: 2/19/2011 1:18:53 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-60.936**	F **286.70**	F **-1597.9**	**.00089**	**.00242**	**75.053**	**.00398**
Stddev	9.429	4.37	23.9	.00124	.00391	1.494	.00010
%RSD	15.474	1.5226	1.4984	140.01	161.83	1.9907	2.5418
#1	-51.467	282.41	-1575.7	.00226	.00330	73.698	.00392
#2	-61.016	286.55	-1594.7	-.00015	-.00186	74.807	.00409
#3	-70.325	291.14	-1623.3	.00054	.00582	76.656	.00391
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13523**	**.08501**	**.00738**	**.06802**	**.65701**	**14.291**
Stddev	.00173	.00209	.00088	.00063	.01119	.128
%RSD	1.2807	2.4536	11.869	.93009	1.7034	.89668
#1	.13349	.08731	.00779	.06735	.64551	14.423
#2	.13524	.08324	.00797	.06809	.65765	14.168
#3	.13696	.08448	.00637	.06861	.66786	14.282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**78059.**	**57427.**
Stddev	190.	159.
%RSD	.24368	.27644
#1	78277.	57527.
#2	77977.	57510.
#3	77925.	57244.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/19/2011 1:22:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39036**	**9.7901**	**.40621**	**.48319**	**1.0023**	**.04888**	**10.037**
Stddev	.00253	.0919	.00181	.00178	.0026	.00019	.037
%RSD	.64737	.93818	.44485	.36844	.26191	.38672	.37360
#1	.39165	9.8921	.40565	.48384	.99957	.04903	9.9947
#2	.38745	9.7139	.40475	.48118	1.0048	.04866	10.065
#3	.39199	9.7644	.40823	.48456	1.0026	.04894	10.052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05109**	**.20292**	**.48878**	**.50181**	**4.0134**	**50.473**	**1.0061**
Stddev	.00025	.00056	.00219	.00051	.0073	.146	.0034
%RSD	.48555	.27699	.44811	.10194	.18263	.28885	.33618
#1	.05138	.20268	.49079	.50145	4.0049	50.323	1.0022
#2	.05094	.20253	.48645	.50159	4.0178	50.483	1.0082
#3	.05095	.20357	.48910	.50240	4.0174	50.614	1.0078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.121**	**.50618**	**.99913**	**50.480**	**.50879**	F **16.159**	**.51775**
Stddev	.042	.00146	.00236	.171	.00180	8.017	.00331
%RSD	.41915	.28818	.23662	.33896	.35442	49.611	.63846
#1	10.076	.50494	.99832	50.333	.50826	8.9656	.52157
#2	10.126	.50582	.99727	50.668	.50731	14.711	.51577
#3	10.160	.50779	1.0018	50.439	.51080	24.802	.51592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/19/2011 1:22:24 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.791**	**9.9944**	F **18.633**	**1.2203**	**.40423**	F **4.4029**	**1.0141**
Stddev	11.650	.0840	1.287	.0054	.00149	.2817	.0019
%RSD	27.877	.84020	6.9062	.44581	.36850	6.3977	.19026
#1	-51.651	10.023	18.194	1.2209	.40373	4.1295	1.0145
#2	-28.936	10.060	17.624	1.2146	.40306	4.3869	1.0120
#3	-44.785	9.8998	20.082	1.2254	.40591	4.6922	1.0158
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value	10.000		10.000			5.0000	
Range	-10.000%		10.000%			-10.000%	

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0015**	**1.0322**	**.50998**	**.96632**	**1.0086**	F **1.1539**
Stddev	.0008	.0073	.00137	.00427	.0011	.1204
%RSD	.08490	.70456	.26939	.44234	.10569	10.433
#1	1.0013	1.0293	.50892	.96885	1.0097	1.2017
#2	1.0007	1.0268	.51153	.96139	1.0075	1.2431
#3	1.0024	1.0405	.50948	.96873	1.0086	1.0170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76376.**	**55204.**
Stddev	1162.	322.
%RSD	1.5214	.58356
#1	75725.	54955.
#2	75685.	55568.
#3	77717.	55089.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 1:25:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**-.01573**	**.00231**	**.00036**	**-.00072**	**.00005**	**.00580**
Stddev	.00060	.00255	.00238	.00166	.00007	.00001	.01121
%RSD	84.566	16.227	102.90	465.06	9.9808	20.292	193.12
#1	.00020	-.01407	.00500	.00048	-.00078	.00006	.01470
#2	.00056	-.01444	.00047	.00195	-.00073	.00004	-.00679
#3	.00138	-.01867	.00147	-.00136	-.00064	.00006	.00950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00015**	**-.00083**	**-.00088**	**.00231**	**.00639**	**-.00090**
Stddev	.00006	.00003	.00043	.00041	.00404	.04356	.00467
%RSD	154.88	20.865	51.405	47.089	174.72	681.17	517.80
#1	-.00010	.00017	-.00034	-.00061	.00617	.05559	.00424
#2	.00001	.00012	-.00107	-.00135	-.00189	-.02730	-.00206
#3	-.00002	.00017	-.00110	-.00067	.00266	-.00910	-.00488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**-.00011**	**.00066**	**.02930**	**.00107**	F **4.8878**	**.00279**
Stddev	.00146	.00049	.00010	.00252	.00033	11.094	.00163
%RSD	14.983	450.34	15.503	8.6108	30.562	226.97	58.556
#1	.01130	.00030	.00055	.03152	.00089	-4.3045	.00168
#2	.00939	-.00065	.00076	.02982	.00087	17.211	.00466
#3	.00845	.00003	.00067	.02655	.00145	1.7571	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 1:25:55 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.133**	F **-.21444**	F **9.5229**	**-.00510**	**.00468**	**.06588**	**.00052**
Stddev	6.454	.05042	.5472	.00159	.00317	.03749	.00029
%RSD	14.301	23.515	5.7464	31.138	67.761	56.902	55.733
#1	-51.597	-.24207	8.8965	-.00630	.00831	.04135	.00026
#2	-45.112	-.24501	9.9079	-.00569	.00247	.10904	.00082
#3	-38.688	-.15624	9.7645	-.00330	.00325	.04726	.00046
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00055**	**.00151**	**-.00020**	**.00008**	F **.54541**
Stddev	.00022	.00205	.00125	.00031	.00004	.11391
%RSD	75.215	375.19	83.058	151.48	53.291	20.886
#1	-.00019	.00119	.00052	-.00054	.00003	.67645
#2	-.00014	-.00175	.00292	.00007	.00012	.48982
#3	-.00054	.00220	.00109	-.00014	.00009	.46997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**79935.**	**57631.**
Stddev	154.	309.
%RSD	.19232	.53656
#1	79965.	57735.
#2	79768.	57283.
#3	80071.	57875.

Approved: February 21, 2011

Sample Name: L1102036610 Acquired: 2/19/2011 1:29:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356912-01

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**34.462**	**.03984**	**.02944**	**.51552**	**.00374**	**323.81**
Stddev	.00018	.275	.00367	.00058	.00304	.00004	2.51
%RSD	7.4152	.79805	9.2161	1.9711	.58982	1.1479	.77646
#1	.00231	34.170	.03563	.02967	.51219	.00370	321.24
#2	.00257	34.716	.04238	.02877	.51625	.00376	323.93
#3	.00224	34.501	.04150	.02986	.51813	.00378	326.26
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00447**	**.02819**	**.06420**	**.15880**	**53.322**	**8.9477**	**.05642**
Stddev	.00007	.00029	.00034	.00240	.361	.0671	.00354
%RSD	1.4695	1.0425	.52857	1.5129	.67749	.74961	6.2801
#1	.00450	.02797	.06395	.15609	52.915	8.9651	.06017
#2	.00440	.02808	.06407	.15966	53.449	8.8737	.05313
#3	.00452	.02853	.06459	.16066	53.603	9.0044	.05596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.123**	**3.9517**	**.00157**	**.62932**	**.06355**	F **10124.**	**.25683**
Stddev	.149	.0257	.00012	.01569	.00076	73.	.00056
%RSD	.61919	.64955	7.4655	2.4938	1.1935	.71757	.21824
#1	23.976	3.9239	.00169	.61176	.06288	10055.	.25676
#2	24.118	3.9568	.00157	.64198	.06341	10117.	.25630
#3	24.275	3.9745	.00146	.63422	.06437	10200.	.25742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036610 Acquired: 2/19/2011 1:29:37 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356912-01

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-48.421**	F **379.09**	F **-1336.3**	**.00361**	**.00580**	**86.685**	**.00409**
Stddev	4.587	3.82	13.2	.00320	.00506	.416	.00053
%RSD	9.4738	1.0071	.98474	88.863	87.130	.47955	12.899
#1	-43.854	375.26	-1323.6	.00698	.00668	86.464	.00408
#2	-53.029	379.11	-1335.6	.00060	.00037	86.427	.00357
#3	-48.378	382.90	-1349.8	.00323	.01037	87.165	.00462
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15885**	**.08073**	**.00778**	**.08766**	**.45484**	**18.083**
Stddev	.00119	.00039	.00139	.00077	.00479	.425
%RSD	.74835	.47701	17.838	.87892	1.0535	2.3519
#1	.15757	.08038	.00643	.08689	.45039	17.774
#2	.15906	.08115	.00771	.08767	.45422	18.568
#3	.15992	.08068	.00920	.08843	.45991	17.906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77209.**	**57579.**
Stddev	142.	94.
%RSD	.18391	.16348
#1	77264.	57572.
#2	77316.	57677.
#3	77048.	57489.

Approved: February 21, 2011

Sample Name: L1102036611S Acquired: 2/19/2011 1:33:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356912-04

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04126**	**34.219**	**.07830**	**.03044**	**.51433**	**.00366**	**319.57**
Stddev	.00047	.211	.00054	.00105	.00230	.00002	1.29
%RSD	1.1461	.61767	.69267	3.4409	.44803	.50887	.40360
#1	.04179	34.452	.07768	.02949	.51354	.00364	318.30
#2	.04106	34.163	.07854	.03028	.51253	.00367	319.54
#3	.04091	34.041	.07868	.03156	.51693	.00367	320.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**.02777**	**.06364**	**.20059**	**53.514**	**9.1078**	**.05448**
Stddev	.00013	.00010	.00027	.00137	.246	.1344	.00368
%RSD	1.3825	.36539	.42234	.68264	.46045	1.4754	6.7634
#1	.00958	.02773	.06375	.19901	53.327	8.9649	.05255
#2	.00977	.02770	.06333	.20145	53.422	9.1269	.05873
#3	.00984	.02789	.06383	.20130	53.793	9.2316	.05216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**23.964**	**3.9909**	**.00153**	**.62064**	**.06118**	F **9823.1**	**.30571**
Stddev	.115	.0197	.00014	.02479	.00052	68.9	.00473
%RSD	.47975	.49468	9.1456	3.9943	.85756	.70186	1.5463
#1	23.852	3.9703	.00169	.62783	.06084	9759.4	.30071
#2	23.959	3.9927	.00150	.64103	.06091	9813.5	.30630
#3	24.081	4.0096	.00141	.59304	.06178	9896.3	.31011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036611S Acquired: 2/19/2011 1:33:08 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356912-04

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-56.328**	F **367.32**	F **-1263.0**	**.00000**	**.00418**	**82.921**	**.00319**
Stddev	17.289	2.45	3.9	.00342	.00373	.592	.00036
%RSD	30.692	.66815	.30572	128730.	89.435	.71441	11.163
#1	-75.533	365.28	-1260.2	-.00359	.00846	82.328	.00308
#2	-42.007	366.63	-1261.3	.00038	.00163	82.923	.00290
#3	-51.444	370.04	-1267.4	.00322	.00243	83.513	.00358
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15754**	**.08276**	**.00649**	**.09047**	**.44141**	**16.334**
Stddev	.00080	.00278	.00143	.00037	.00326	.213
%RSD	.50620	3.3627	22.079	.40756	.73832	1.3046
#1	.15674	.08230	.00647	.09089	.43828	16.533
#2	.15754	.08024	.00792	.09022	.44115	16.358
#3	.15834	.08574	.00506	.09028	.44479	16.109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76051.**	**57017.**
Stddev	445.	73.
%RSD	.58458	.12811
#1	76376.	56970.
#2	76234.	57101.
#3	75545.	56980.

Approved: February 21, 2011

Sample Name: L1102036612SD Acquired: 2/19/2011 1:36:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356912-05

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03887**	**31.919**	**.07075**	**.02918**	**.47024**	**.00343**	**296.33**
Stddev	.00063	.378	.00064	.00152	.00059	.00004	.57
%RSD	1.6208	1.1834	.91149	5.2228	.12488	1.1261	.19195
#1	.03957	31.542	.07148	.02828	.47067	.00340	295.72
#2	.03836	31.917	.07049	.02831	.46957	.00342	296.85
#3	.03867	32.298	.07027	.03094	.47047	.00347	296.41
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00883**	**.02503**	**.05972**	**.18325**	**49.238**	**8.2628**	**.04990**
Stddev	.00008	.00018	.00048	.00038	.056	.0728	.00454
%RSD	.86843	.70983	.79652	.20964	.11414	.88088	9.1021
#1	.00887	.02498	.05918	.18367	49.257	8.2374	.05397
#2	.00889	.02523	.06007	.18317	49.282	8.2061	.05073
#3	.00875	.02488	.05992	.18291	49.175	8.3449	.04500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.110**	**3.6569**	**.00124**	**.70341**	**.05552**	F **8817.7**	**.27205**
Stddev	.056	.0057	.00009	.00975	.00084	29.7	.00123
%RSD	.25381	.15485	6.9748	1.3865	1.5039	.33641	.45260
#1	22.084	3.6506	.00117	.69587	.05513	8803.4	.27080
#2	22.071	3.6583	.00134	.71442	.05648	8797.9	.27209
#3	22.174	3.6616	.00122	.69993	.05496	8851.8	.27326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036612SD Acquired: 2/19/2011 1:36:39 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment: WG356912-05

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-45.361**	F **333.44**	F **-1141.0**	**-.00150**	**.00394**	**76.278**	**.00330**
Stddev	19.200	.70	3.3	.00116	.00105	.218	.00036
%RSD	42.327	.20978	.29072	77.058	26.595	.28626	10.834
#1	-49.530	333.50	-1143.2	-.00029	.00445	76.071	.00343
#2	-62.135	332.72	-1137.2	-.00259	.00464	76.256	.00289
#3	-24.419	334.11	-1142.6	-.00162	.00274	76.506	.00357
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14410**	**.07712**	**.00771**	**.08470**	**.39584**	**15.101**
Stddev	.00042	.00232	.00213	.00143	.00056	.373
%RSD	.29309	3.0043	27.667	1.6853	.14162	2.4717
#1	.14366	.07979	.00747	.08324	.39557	14.687
#2	.14450	.07577	.00570	.08477	.39546	15.206
#3	.14414	.07579	.00995	.08609	.39648	15.411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77573.**	**56101.**
Stddev	176.	431.
%RSD	.22672	.76739
#1	77388.	56259.
#2	77593.	56430.
#3	77737.	55614.

Approved: February 21, 2011

Sample Name: L1102036613 Acquired: 2/19/2011 1:40:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00251**	**25.822**	**.03117**	**.02721**	**.46148**	**.00285**	**227.43**
Stddev	.00035	.342	.00302	.00143	.00002	.00002	.43
%RSD	13.986	1.3260	9.6947	5.2622	.00429	.62034	.18757
#1	.00231	25.508	.03465	.02629	.46146	.00285	227.01
#2	.00231	25.772	.02966	.02886	.46150	.00286	227.42
#3	.00292	26.187	.02920	.02649	.46148	.00283	227.86
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00452**	**.02404**	**.04892**	**.20709**	**45.456**	**8.1792**	**.03999**
Stddev	.00019	.00007	.00093	.00103	.032	.0750	.00162
%RSD	4.0978	.27123	1.9094	.49627	.06983	.91713	4.0537
#1	.00432	.02399	.04806	.20600	45.445	8.1160	.03821
#2	.00453	.02412	.04879	.20723	45.431	8.1594	.04138
#3	.00469	.02403	.04991	.20804	45.492	8.2621	.04039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.731**	**3.2316**	**.00204**	**.57700**	**.04991**	F **8242.2**	**.29338**
Stddev	.060	.0049	.00022	.00666	.00120	9.6	.00275
%RSD	.33884	.15054	11.056	1.1537	2.4136	.11603	.93694
#1	17.662	3.2260	.00224	.57938	.05106	8231.2	.29046
#2	17.768	3.2341	.00180	.58213	.05003	8248.3	.29375
#3	17.764	3.2348	.00206	.56948	.04866	8247.2	.29592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036613 Acquired: 2/19/2011 1:40:10 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-59.580**	F **267.45**	F **-1275.4**	**.00167**	**.00390**	**64.991**	**.01027**
Stddev	1.368	.54	3.3	.00284	.00101	.285	.00019
%RSD	2.2958	.20292	.25767	170.48	25.991	.43925	1.8897
#1	-58.020	267.07	-1274.2	-.00111	.00351	65.310	.01010
#2	-60.147	267.21	-1272.9	.00457	.00506	64.903	.01048
#3	-60.573	268.07	-1279.2	.00154	.00314	64.760	.01023
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13547**	**.07569**	**.00659**	**.07024**	**.59325**	**14.588**
Stddev	.00010	.00137	.00058	.00068	.00060	.260
%RSD	.07322	1.8056	8.8239	.96328	.10043	1.7829
#1	.13558	.07624	.00659	.06965	.59307	14.306
#2	.13540	.07669	.00717	.07009	.59277	14.638
#3	.13542	.07413	.00601	.07098	.59392	14.819
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**77192.**	**55956.**
Stddev	234.	353.
%RSD	.30286	.63135
#1	77239.	56337.
#2	77398.	55894.
#3	76938.	55639.

Approved: February 21, 2011

Sample Name: L1102036614 Acquired: 2/19/2011 1:43:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**40.059**	**.03680**	**.02961**	**.54876**	**.00394**	**332.84**
Stddev	.00052	.160	.00114	.00243	.00140	.00004	.15
%RSD	28.370	.39953	3.1080	8.2114	.25449	.98633	.04412
#1	.00212	39.951	.03551	.02681	.54882	.00396	333.01
#2	.00123	39.983	.03769	.03078	.54734	.00390	332.77
#3	.00214	40.243	.03720	.03123	.55013	.00397	332.75
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00406**	**.02797**	**.06612**	**.13110**	**54.400**	**8.6973**	**.05778**
Stddev	.00009	.00025	.00039	.00035	.084	.0365	.00254
%RSD	2.2158	.90126	.59045	.26882	.15444	.41983	4.3977
#1	.00409	.02825	.06647	.13086	54.370	8.6563	.05870
#2	.00396	.02775	.06620	.13150	54.335	8.7093	.05491
#3	.00414	.02792	.06570	.13093	54.495	8.7263	.05974
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**22.297**	**3.8629**	**.00109**	**1.1417**	**.06325**	F **7260.1**	**.25395**
Stddev	.043	.0009	.00004	.0178	.00006	22.4	.00217
%RSD	.19388	.02290	4.1062	1.5622	.09423	.30879	.85518
#1	22.269	3.8631	.00109	1.1513	.06319	7285.8	.25535
#2	22.347	3.8637	.00105	1.1211	.06330	7244.7	.25144
#3	22.276	3.8620	.00114	1.1528	.06327	7249.8	.25505
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036614 Acquired: 2/19/2011 1:43:44 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-28.092**	F **376.57**	F **-1460.0**	**-.00130**	**.00407**	**71.832**	**.00402**
Stddev	19.988	.57	9.8	.00295	.00255	.341	.00040
%RSD	71.150	.15085	.67450	227.07	62.771	.47419	10.023
#1	-30.910	375.95	-1448.7	.00161	.00579	72.136	.00444
#2	-6.8454	376.69	-1464.5	-.00121	.00113	71.464	.00364
#3	-46.522	377.06	-1466.8	-.00429	.00528	71.896	.00397
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14484**	**.07957**	**.00776**	**.09443**	**.40669**	**19.412**
Stddev	.00050	.00143	.00200	.00013	.00035	.209
%RSD	.34387	1.7952	25.719	.13977	.08549	1.0767
#1	.14541	.07968	.00556	.09457	.40652	19.638
#2	.14457	.08094	.00946	.09443	.40646	19.225
#3	.14453	.07809	.00825	.09430	.40709	19.372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74629.**	**54273.**
Stddev	280.	380.
%RSD	.37557	.69945
#1	74935.	54187.
#2	74385.	53945.
#3	74567.	54689.

Approved: February 21, 2011

Sample Name: L1102036615 Acquired: 2/19/2011 1:47:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**22.688**	**.02850**	**.02336**	**.47045**	**.00258**	**325.26**
Stddev	.00040	.147	.00250	.00142	.00235	.00002	.80
%RSD	20.124	.64658	8.7553	6.0616	.49866	.86735	.24606
#1	.00174	22.530	.02565	.02199	.46937	.00260	324.54
#2	.00181	22.820	.02958	.02327	.46884	.00258	325.13
#3	.00247	22.712	.03027	.02481	.47314	.00255	326.12
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00439**	**.02155**	**.04431**	**.19694**	**37.502**	**6.7388**	**.03563**
Stddev	.00006	.00008	.00014	.00056	.136	.0283	.00262
%RSD	1.3516	.37370	.31738	.28580	.36168	.41929	7.3415
#1	.00445	.02164	.04423	.19675	37.441	6.7249	.03857
#2	.00440	.02149	.04447	.19650	37.408	6.7202	.03473
#3	.00433	.02152	.04423	.19758	37.658	6.7713	.03358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**17.846**	**3.3288**	**.00171**	**.57099**	**.04608**	F **11335.**	**.32887**
Stddev	.039	.0085	.00057	.00610	.00059	20.	.00040
%RSD	.21908	.25411	33.378	1.0680	1.2793	.17464	.12087
#1	17.801	3.3218	.00223	.56409	.04662	11325.	.32843
#2	17.866	3.3264	.00110	.57566	.04545	11322.	.32919
#3	17.871	3.3382	.00180	.57322	.04618	11358.	.32898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036615 Acquired: 2/19/2011 1:47:17 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-41.811**	F **385.03**	F **-1935.9**	**.00143**	**.00058**	**69.012**	**.00364**
Stddev	7.731	.95	7.3	.00183	.00110	.360	.00014
%RSD	18.490	.24639	.37781	128.33	187.99	.52204	3.9379
#1	-37.696	383.95	-1927.9	.00354	-.00024	69.251	.00350
#2	-50.728	385.47	-1942.2	.00041	.00016	68.598	.00364
#3	-37.007	385.69	-1937.7	.00033	.00183	69.188	.00379
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16508**	**.06966**	**.00612**	**.06270**	**.40055**	**13.974**
Stddev	.00043	.00178	.00118	.00018	.00076	.368
%RSD	.25989	2.5574	19.230	.28858	.18896	2.6345
#1	.16499	.06775	.00538	.06250	.39979	14.080
#2	.16470	.06995	.00748	.06279	.40054	14.277
#3	.16554	.07127	.00551	.06283	.40131	13.564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**74894.**	**54864.**
Stddev	286.	39.
%RSD	.38133	.07171
#1	75077.	54909.
#2	75039.	54844.
#3	74565.	54839.

Approved: February 21, 2011

Sample Name: L1102036616 Acquired: 2/19/2011 1:50:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**29.871**	**.03590**	**.02657**	**.50002**	**.00317**	**322.52**
Stddev	.00073	.055	.00332	.00175	.00149	.00004	.39
%RSD	24.439	.18455	9.2537	6.5723	.29849	1.3613	.12050
#1	.00383	29.935	.03335	.02690	.49982	.00321	322.39
#2	.00270	29.837	.03966	.02814	.50161	.00312	322.96
#3	.00245	29.842	.03470	.02469	.49864	.00316	322.22
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**.02412**	**.05597**	**.12785**	**46.255**	**6.7936**	**.04854**
Stddev	.00007	.00011	.00073	.00096	.060	.0826	.00386
%RSD	1.8822	.44715	1.3103	.75019	.12971	1.2159	7.9583
#1	.00397	.02402	.05681	.12890	46.245	6.7149	.04413
#2	.00388	.02423	.05544	.12704	46.320	6.8797	.05021
#3	.00383	.02412	.05567	.12760	46.201	6.7863	.05129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**24.220**	**4.1788**	**.00090**	**1.0315**	**.05489**	F **6695.6**	**.25752**
Stddev	.007	.0021	.00039	.0028	.00050	18.7	.00134
%RSD	.02956	.05104	43.790	.26870	.90654	.27875	.51973
#1	24.212	4.1786	.00135	1.0345	.05502	6677.2	.25787
#2	24.222	4.1811	.00074	1.0290	.05434	6695.2	.25605
#3	24.226	4.1768	.00061	1.0309	.05532	6714.5	.25866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						900.00	
Low Limit						-.00400	

Approved: February 21, 2011

Sample Name: L1102036616 Acquired: 2/19/2011 1:50:50 Type: Unk
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: 5 Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-38.921**	F **373.63**	F **-1700.7**	**.00344**	**.00518**	**68.352**	**.00327**
Stddev	9.366	.43	5.4	.00317	.00296	.406	.00013
%RSD	24.065	.11473	.32021	92.133	57.096	.59470	4.0838
#1	-44.452	373.37	-1694.5	.00512	.00640	68.298	.00335
#2	-44.205	374.12	-1702.9	.00543	.00181	67.975	.00335
#3	-28.107	373.40	-1704.7	-.00022	.00733	68.783	.00312
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	9.0000	9.0000	9.0000				
Low Limit	-.00400	-.00400	-.00400				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13934**	**.06862**	**.00806**	**.07692**	**.38345**	**14.597**
Stddev	.00021	.00331	.00200	.00057	.00034	.155
%RSD	.15425	4.8255	24.877	.73484	.08774	1.0617
#1	.13909	.07221	.00993	.07732	.38344	14.680
#2	.13946	.06796	.00594	.07717	.38379	14.694
#3	.13946	.06569	.00830	.07627	.38312	14.419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73754.**	**54814.**
Stddev	501.	141.
%RSD	.67900	.25726
#1	73515.	54669.
#2	73418.	54821.
#3	74330.	54951.

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/19/2011 1:54:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39858**	**10.109**	**.40881**	**.49478**	**1.0205**	**.05032**	**10.209**
Stddev	.00091	.044	.00159	.00188	.0003	.00023	.007
%RSD	.22875	.43069	.38802	.37918	.02967	.46517	.06774
#1	.39754	10.060	.40917	.49347	1.0203	.05013	10.208
#2	.39899	10.128	.40708	.49394	1.0203	.05023	10.203
#3	.39922	10.141	.41019	.49693	1.0208	.05058	10.216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05254**	**.20819**	**.50353**	**.51106**	**4.0923**	**51.249**	**1.0289**
Stddev	.00016	.00085	.00357	.00223	.0081	.067	.0020
%RSD	.31014	.40677	.70821	.43716	.19749	.13050	.19437
#1	.05241	.20792	.50167	.50964	4.0918	51.224	1.0303
#2	.05249	.20751	.50129	.50991	4.0844	51.325	1.0266
#3	.05273	.20914	.50765	.51364	4.1006	51.199	1.0299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							
Range							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.331**	**.51670**	**1.0156**	**51.365**	**.51894**	F **7.2778**	**.53375**
Stddev	.009	.00189	.0033	.049	.00196	10.487	.00077
%RSD	.08942	.36573	.32774	.09592	.37681	144.09	.14439
#1	10.330	.51484	1.0166	51.354	.51829	16.751	.53347
#2	10.341	.51862	1.0118	51.322	.51740	-3.9911	.53316
#3	10.322	.51664	1.0183	51.418	.52114	9.0737	.53463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value						10.000	
Range						-10.000%	

Approved: February 21, 2011

Sample Name: CCV Acquired: 2/19/2011 1:54:22 Type: QC
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-40.547**	**10.257**	F **17.562**	**1.2433**	**.40969**	**4.5031**	**1.0336**
Stddev	12.397	.038	.522	.0026	.00423	.0427	.0024
%RSD	30.575	.37351	2.9727	.20486	1.0316	.94714	.22739
#1	-27.415	10.222	17.569	1.2412	.40570	4.5040	1.0315
#2	-52.047	10.249	18.080	1.2425	.40927	4.4600	1.0332
#3	-42.179	10.298	17.036	1.2462	.41412	4.5453	1.0361
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	10.000		10.000				
Range	-10.000%		10.000%				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0182**	**1.0631**	**.52210**	**.98693**	**1.0316**	F **1.2076**
Stddev	.0029	.0011	.00231	.00179	.0032	.2072
%RSD	.28247	.10577	.44250	.18188	.30798	17.162
#1	1.0169	1.0628	.51981	.98516	1.0302	1.0067
#2	1.0215	1.0623	.52443	.98688	1.0294	1.1953
#3	1.0162	1.0644	.52208	.98875	1.0353	1.4206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value						1.0000
Range						10.000%

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**73935.**	**53906.**
Stddev	197.	187.
%RSD	.26680	.34770
#1	73969.	53881.
#2	74113.	54104.
#3	73723.	53731.

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 1:57:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3082	As1890	B_2496	Ba4554	Be3131	Ca4226
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00997**	**.00137**	**-.00010**	**-.00031**	**.00001**	**-.00993**
Stddev	.00017	.00112	.00065	.00046	.00027	.00003	.00441
%RSD	35.820	11.267	47.518	477.96	87.233	305.86	44.383
#1	.00056	-.01094	.00075	.00010	-.00042	.00003	-.00801
#2	.00060	-.00874	.00131	-.00062	.00000	-.00003	-.00681
#3	.00028	-.01024	.00204	.00023	-.00052	.00003	-.01497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Cd2288	Co2286	Cr2677	Cu2247	Fe2611	K_7664	Li6707
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00010**	**-.00060**	**-.00089**	**.00347**	**.00917**	**-.00250**
Stddev	.00015	.00010	.00056	.00003	.00600	.02353	.00359
%RSD	159.60	103.29	93.507	3.6375	172.72	256.67	143.28
#1	.00007	.00018	-.00010	-.00087	.00727	.03224	.00023
#2	-.00023	.00013	-.00048	-.00088	.00658	-.01479	-.00118
#3	-.00012	-.00002	-.00120	-.00093	-.00344	.01005	-.00657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_2149	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01672**	**-.00001**	**.00046**	**.02086**	**.00052**	F **.78022**	**.00310**
Stddev	.01114	.00020	.00022	.00318	.00034	4.4342	.00145
%RSD	66.593	3258.2	47.667	15.267	64.311	568.32	46.774
#1	.02266	-.00020	.00043	.01718	.00028	2.3386	.00190
#2	.02363	-.00002	.00070	.02263	.00039	-4.2228	.00471
#3	.00388	.00020	.00026	.02276	.00091	4.2249	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit						.01000	
Low Limit						-.01000	

Approved: February 21, 2011

Sample Name: CCB Acquired: 2/19/2011 1:57:53 Type: Blank
Method: ICP-THERMO2_6010_200.7(v1259) Mode: CONC Corr. Factor: 1.000000
User: JYH Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Rb7800	S_1807	S_1820	Sb2068	Se1960	Si2124	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-27.410**	F **-.22213**	F **10.857**	**-.00181**	**.00317**	**.19196**	**.00028**
Stddev	1.837	.01990	1.109	.00260	.00436	.02134	.00018
%RSD	6.7005	8.9610	10.215	143.62	137.31	11.118	64.393
#1	-26.038	-.21914	10.796	-.00429	.00700	.21648	.00018
#2	-29.497	-.24335	11.995	.00089	-.00157	.17752	.00048
#3	-26.697	-.20388	9.7790	-.00202	.00410	.18189	.00016
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000	.01000	.01000				
Low Limit	-.01000	-.01000	-.01000				

Elem	Sr4077	Ti3372	Tl1908	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00008**	**.00058**	**.00024**	**-.00003**	F **.40431**
Stddev	.00019	.00147	.00089	.00054	.00004	.06992
%RSD	118.67	1735.5	153.56	221.30	117.75	17.293
#1	.00006	.00143	.00123	-.00038	.00001	.43520
#2	-.00029	.00031	-.00043	.00050	-.00004	.32427
#3	-.00023	-.00148	.00093	.00060	-.00007	.45347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit						.10000
Low Limit						-.10000

Int. Std.	Y_2243	Y_3774
Units	Cts/S	Cts/S
Avg	**76870.**	**55014.**
Stddev	51.	104.
%RSD	.06681	.18944
#1	76863.	55083.
#2	76924.	55065.
#3	76822.	54894.

Approved: February 21, 2011

Analysis Begun

Start Time: 2/18/2011 2:27:58 PM **Plasma On Time: 2/18/2011 7:37:54 AM**
Logged In Analyst: peicp2 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N4011401 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\peicp2\Sample Information\FRIDAY1.sif
Batch ID:
Results Data Set: 021811H5
Results Library: C:\pe\peicp2\Results\Results.mdb

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: S0 **Date Collected: 2/18/2011 2:28:00 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S0

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	4790860.8	61741.85	1.29%		
YRADIAL	298129.8	8697.38	2.92%		
Ga 417.206	1377169.2	21754.75	1.58%		
GaRADIAL	69489.3	1914.75	2.76%		
Ag 328.068†	-1044.6	45.16	4.32%	[0.00]	mg/L
Al 396.153†	-234.3	97.68	41.69%	[0.00]	mg/L
As 188.979†	2.6	4.63	180.37%	[0.00]	mg/L
Ba 233.527†	-52.6	2.77	5.26%	[0.00]	mg/L
Be 234.861†	-598.9	8.13	1.36%	[0.00]	mg/L
B 249.677†	629.2	9.20	1.46%	[0.00]	mg/L
Ca 227.546†	-43.1	4.09	9.49%	[0.00]	mg/L
Cd 228.802†	24.6	3.21	13.04%	[0.00]	mg/L
Co 228.616†	-21.2	9.45	44.70%	[0.00]	mg/L
Cr 267.716†	-69.5	20.43	29.41%	[0.00]	mg/L
Cu 327.393†	-1328.6	12.72	0.96%	[0.00]	mg/L
Fe 239.562†	1.3	2.08	156.70%	[0.00]	mg/L
Mg 279.077†	12.0	2.64	22.00%	[0.00]	mg/L
Mn 257.610†	125.4	5.56	4.43%	[0.00]	mg/L
Mo 202.031†	-23.8	5.38	22.61%	[0.00]	mg/L
Ni 231.604†	2.4	19.23	811.58%	[0.00]	mg/L
Pb 220.353†	38.4	5.67	14.76%	[0.00]	mg/L
Sb 206.836†	19.2	3.51	18.24%	[0.00]	mg/L
Se 196.026†	7.0	5.67	81.26%	[0.00]	mg/L
Si 251.611†	326.1	9.07	2.78%	[0.00]	mg/L
Sn 189.927†	29.0	5.56	19.15%	[0.00]	mg/L
Ti 334.940†	-618.1	92.26	14.93%	[0.00]	mg/L
Tl 190.801†	-33.4	3.56	10.65%	[0.00]	mg/L
V 290.880†	4304.1	108.61	2.52%	[0.00]	mg/L
Zn 206.200†	3.7	4.41	118.48%	[0.00]	mg/L
K 766.490†	235.9	95.81	40.61%	[0.00]	mg/L
Na 589.592†	1448.1	95.72	6.61%	[0.00]	mg/L
Sr 407.771†	-812.1	34.55	4.25%	[0.00]	mg/L
Li 670.784†	296.6	106.56	35.93%	[0.00]	mg/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: S1 **Date Collected: 2/18/2011 2:34:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S1

Analyte	Back Pressure	Flow

All	169.0 kPa	0.50 L/min

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	4894368.4	18839.80	0.38%		
YRADIAL	294219.9	6761.11	2.30%		
Ga 417.206	1407916.6	28854.70	2.05%		
GaRADIAL	68819.7	1112.15	1.62%		
Ag 328.068†	708.1	113.64	16.05%	[0.0040]	mg/L
Al 396.153†	533.4	27.29	5.12%	[0.10]	mg/L
Ba 233.527†	600.7	1.18	0.20%	[0.010]	mg/L
Be 234.861†	299.7	14.55	4.85%	[0.0005]	mg/L
Cd 228.802†	6.1	1.98	32.23%	[0.00050]	mg/L
Co 228.616†	35.7	6.71	18.76%	[0.0020]	mg/L
Cr 267.716†	615.7	8.99	1.46%	[0.0050]	mg/L
Cu 327.393†	763.7	99.67	13.05%	[0.0050]	mg/L
Fe 239.562†	20.1	0.90	4.51%	[0.040]	mg/L
Mg 279.077†	85.2	6.39	7.50%	[0.10]	mg/L
Mn 257.610†	2334.3	12.44	0.53%	[0.0050]	mg/L
Mo 202.031†	133.9	6.60	4.93%	[0.010]	mg/L
Ni 231.604†	168.1	11.33	6.74%	[0.0050]	mg/L
Pb 220.353†	29.6	5.99	20.28%	[0.0050]	mg/L
Sb 206.836†	17.7	1.62	9.15%	[0.012]	mg/L
Si 251.611†	1736.5	38.12	2.20%	[0.050]	mg/L
Sn 189.927†	63.4	4.60	7.27%	[0.010]	mg/L
Ti 334.940†	7287.0	86.66	1.19%	[0.010]	mg/L
V 290.880†	1308.2	122.76	9.38%	[0.010]	mg/L
Zn 206.200†	340.9	5.65	1.66%	[0.010]	mg/L
K 766.490†	1259.6	79.03	6.27%	[0.50]	mg/L
Na 589.592†	6792.4	209.41	3.08%	[0.50]	mg/L
Sr 407.771†	10423.8	752.72	7.22%	[0.010]	mg/L
Li 670.784†	708.1	131.08	18.51%	[0.010]	mg/L

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: S2 **Date Collected: 2/18/2011 2:41:12 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S2

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	4865148.4	46420.10	0.95%		
YRADIAL	290177.6	4508.28	1.55%		
Ga 417.206	1386780.1	6999.73	0.50%		
GaRADIAL	67506.6	711.81	1.05%		
Ag 328.068†	1568.8	152.78	9.74%	[0.0080]	mg/L
Al 396.153†	1033.6	43.96	4.25%	[0.20]	mg/L
As 188.979†	8.7	2.64	30.29%	[0.0080]	mg/L
Ba 233.527†	1198.8	12.27	1.02%	[0.020]	mg/L
Be 234.861†	590.3	7.99	1.35%	[0.0010]	mg/L
B 249.677†	439.9	5.64	1.28%	[0.010]	mg/L
Ca 227.546†	26.8	7.15	26.65%	[0.20]	mg/L
Cd 228.802†	16.8	2.04	12.15%	[0.0010]	mg/L
Co 228.616†	77.5	1.17	1.51%	[0.0040]	mg/L
Cr 267.716†	1201.7	15.99	1.33%	[0.010]	mg/L
Cu 327.393†	1486.0	77.12	5.19%	[0.010]	mg/L
Fe 239.562†	39.4	1.45	3.67%	[0.080]	mg/L
Mg 279.077†	167.1	6.93	4.15%	[0.20]	mg/L
Mn 257.610†	4567.4	44.03	0.96%	[0.010]	mg/L
Mo 202.031†	262.8	0.66	0.25%	[0.020]	mg/L
Ni 231.604†	348.6	5.23	1.50%	[0.010]	mg/L
Pb 220.353†	59.0	8.47	14.36%	[0.010]	mg/L
Sb 206.836†	32.5	1.70	5.22%	[0.024]	mg/L

Se 196.026†	14.7	5.77	39.13%	[0.0080]	mg/L
Si 251.611†	3393.1	61.83	1.82%	[0.10]	mg/L
Sn 189.927†	118.7	5.82	4.90%	[0.020]	mg/L
Ti 334.940†	14621.5	251.84	1.72%	[0.020]	mg/L
Tl 190.801†	16.1	3.24	20.06%	[0.010]	mg/L
V 290.880†	2814.2	112.76	4.01%	[0.020]	mg/L
Zn 206.200†	675.6	12.00	1.78%	[0.020]	mg/L
K 766.490†	2557.5	65.14	2.55%	[1.00]	mg/L
Na 589.592†	13862.3	115.36	0.83%	[1.00]	mg/L
Sr 407.771†	20949.2	1337.02	6.38%	[0.020]	mg/L
Li 670.784†	1606.2	119.21	7.42%	[0.020]	mg/L

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: S3 **Date Collected: 2/18/2011 2:47:51 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S3

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	4620097.2	29241.66	0.63%		
YRADIAL	286906.8	770.66	0.27%		
Ga 417.206	1330321.6	16715.22	1.26%		
GaRADIAL	67034.5	1115.97	1.66%		
Ag 328.068†	80019.7	1696.40	2.12%	[0.40]	mg/L
Al 396.153†	50747.7	72.22	0.14%	[10.00]	mg/L
As 188.979†	436.2	4.67	1.07%	[0.40]	mg/L
Ba 233.527†	59206.2	158.07	0.27%	[1.00]	mg/L
Be 234.861†	29488.3	482.65	1.64%	[0.05]	mg/L
B 249.677†	26266.6	489.76	1.86%	[0.50]	mg/L
Ca 227.546†	1061.8	14.67	1.38%	[10.00]	mg/L
Cd 228.802†	884.4	11.76	1.33%	[0.05]	mg/L
Co 228.616†	3890.7	15.90	0.41%	[0.20]	mg/L
Cr 267.716†	56557.2	168.56	0.30%	[0.50]	mg/L
Cu 327.393†	72176.0	1656.96	2.30%	[0.50]	mg/L
Fe 239.562†	1833.4	23.79	1.30%	[4.00]	mg/L
Mg 279.077†	8200.0	62.05	0.76%	[10.00]	mg/L
Mn 257.610†	223472.2	151.98	0.07%	[0.50]	mg/L
Mo 202.031†	13413.4	17.74	0.13%	[1.00]	mg/L
Ni 231.604†	17147.7	112.71	0.66%	[0.50]	mg/L
Pb 220.353†	2976.2	18.34	0.62%	[0.50]	mg/L
Sb 206.836†	1920.1	33.13	1.73%	[1.20]	mg/L
Se 196.026†	560.3	7.53	1.34%	[0.40]	mg/L
Si 251.611†	170886.1	3626.50	2.12%	[5.00]	mg/L
Sn 189.927†	5840.8	34.02	0.58%	[1.00]	mg/L
Ti 334.940†	730987.2	1004.51	0.14%	[1.00]	mg/L
Tl 190.801†	851.5	1.65	0.19%	[0.50]	mg/L
V 290.880†	148801.3	109.28	0.07%	[1.00]	mg/L
Zn 206.200†	33035.8	118.32	0.36%	[1.00]	mg/L
K 766.490†	130035.3	1053.52	0.81%	[50.00]	mg/L
Na 589.592†	675519.4	5399.36	0.80%	[50.00]	mg/L
Sr 407.771†	1019819.3	66376.21	6.51%	[1.00]	mg/L
Li 670.784†	80620.9	104.99	0.13%	[1.00]	mg/L

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: S4 **Date Collected: 2/18/2011 2:54:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S4

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: S4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	4549470.2	69288.19	1.52%		
YRADIAL	279542.3	2665.77	0.95%		
Ga 417.206	1314003.2	18854.59	1.43%		
GaRADIAL	66830.0	1193.11	1.79%		
Ag 328.068†	159705.2	2509.69	1.57%	[0.80]	mg/L
Al 396.153†	98126.4	338.93	0.35%	[20.00]	mg/L
As 188.979†	877.1	13.26	1.51%	[0.80]	mg/L
Ba 233.527†	117637.3	2276.04	1.93%	[2.00]	mg/L
Be 234.861†	58877.5	744.89	1.27%	[0.10]	mg/L
B 249.677†	52944.3	973.15	1.84%	[1.00]	mg/L
Ca 227.546†	2140.9	19.17	0.90%	[20.00]	mg/L
Cd 228.802†	1765.7	25.78	1.46%	[0.10]	mg/L
Co 228.616†	7701.7	116.19	1.51%	[0.40]	mg/L
Cr 267.716†	112479.3	2244.08	2.00%	[1.00]	mg/L
Cu 327.393†	144047.6	2377.36	1.65%	[1.00]	mg/L
Fe 239.562†	3680.9	16.90	0.46%	[8.00]	mg/L
Mg 279.077†	16472.6	18.29	0.11%	[20.00]	mg/L
Mn 257.610†	439770.0	749.34	0.17%	[1.00]	mg/L
Mo 202.031†	26879.0	533.08	1.98%	[2.00]	mg/L
Ni 231.604†	34059.7	696.99	2.05%	[1.00]	mg/L
Pb 220.353†	5904.2	93.47	1.58%	[1.00]	mg/L
Sb 206.836†	3816.8	61.27	1.61%	[2.40]	mg/L
Se 196.026†	1125.3	16.71	1.48%	[0.80]	mg/L
Si 251.611†	344098.7	5876.10	1.71%	[10.00]	mg/L
Sn 189.927†	11615.8	180.34	1.55%	[2.00]	mg/L
Ti 334.940†	1444584.8	4217.67	0.29%	[2.00]	mg/L
Tl 190.801†	1676.1	26.14	1.56%	[1.00]	mg/L
V 290.880†	299103.9	5756.12	1.92%	[2.00]	mg/L
Zn 206.200†	65885.1	1148.51	1.74%	[2.00]	mg/L
K 766.490†	256018.8	1306.47	0.51%	[100.00]	mg/L
Na 589.592†	1316037.8	13407.56	1.02%	[100.00]	mg/L
Sr 407.771†	2030551.9	193168.88	9.51%	[2.00]	mg/L
Li 670.784†	155884.8	579.91	0.37%	[2.00]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Wt. Lin	-86.5	201400	0.00000	0.999760	
Al 396.153	4	Wt. Lin	34.8	4989	0.00000	0.999871	
As 188.979	3	Wt. Lin	-0.0	1093	0.00000	0.999996	
Ba 233.527	4	Wt. Lin	11.4	59080	0.00000	0.999987	
Be 234.861	4	Wt. Lin	4.7	588500	0.00000	0.999992	
B 249.677	3	Wt. Lin	-88.8	52870	0.00000	0.999995	
Ca 227.546	3	Wt. Lin	5.6	106.2	0.00000	0.999985	
Cd 228.802	4	Wt. Lin	-2.6	18040	0.00000	0.998288	
Co 228.616	4	Wt. Lin	-2.7	19500	0.00000	0.999732	
Cr 267.716	4	Wt. Lin	54.1	113100	0.00000	0.999931	
Cu 327.393	4	Wt. Lin	43.2	144200	0.00000	0.999999	
Fe 239.562	4	Wt. Lin	1.8	461.2	0.00000	0.999874	
Mg 279.077	4	Wt. Lin	3.1	821.3	0.00000	0.999997	
Mn 257.610	4	Wt. Lin	120.1	443500	0.00000	0.999968	
Mo 202.031	4	Wt. Lin	-0.9	13380	0.00000	0.999933	
Ni 231.604	4	Wt. Lin	-1.9	34360	0.00000	0.999864	
Pb 220.353	4	Wt. Lin	-0.1	5924	0.00000	0.999990	
Sb 206.836	4	Wt. Lin	-1.8	1563	0.00000	0.997693	
Se 196.026	3	Wt. Lin	3.6	1397	0.00000	0.999993	
Si 251.611	4	Wt. Lin	16.7	34190	0.00000	0.999946	
Sn 189.927	4	Wt. Lin	4.9	5794	0.00000	0.999891	
Ti 334.940	4	Wt. Lin	27.2	727200	0.00000	0.999980	
Tl 190.801	3	Wt. Lin	-0.8	1691	0.00000	0.999966	
V 290.880	4	Wt. Lin	-183.8	149400	0.00000	0.999995	
Zn 206.200	4	Wt. Lin	11.6	33020	0.00000	0.999990	
K 766.490	4	Non Lin, Calc Int	-48.2	2643	-0.81921	1.000000	
Na 589.592	4	Non Lin, Calc Int	-43.1	13860	-7.00888	1.000000	
Sr 407.771	4	Wt. Lin	281.9	1021000	0.00000	0.999948	
Li 670.784	4	Wt. Lin	-75.9	80290	0.00000	0.999154	

Sequence No.: 6 **Autosampler Location:** 9
Sample ID: ICV 2nd Vendor **Date Collected:** 2/18/2011 3:01:15 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICV 2nd Vendor

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: ICV 2nd Vendor

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4642579.0						6730.07	0.14%
YRADIAL	289057.4						6375.32	2.21%
Ga 417.206	1339149.9						6930.70	0.52%
GaRADIAL	67179.7						261.55	0.39%
Ag 328.068†	77252.6	0.385	mg/L	0.0054	0.385	mg/L	0.0054	1.41%
QC value within limits for Ag 328.068 Recovery = 96.26%								
Al 396.153†	50481.4	10.1	mg/L	0.09	10.1	mg/L	0.09	0.90%
QC value within limits for Al 396.153 Recovery = 100.99%								
As 188.979†	422.7	0.383	mg/L	0.0033	0.383	mg/L	0.0033	0.86%
QC value within limits for As 188.979 Recovery = 95.77%								
Ba 233.527†	58184.2	0.987	mg/L	0.0091	0.987	mg/L	0.0091	0.92%
QC value within limits for Ba 233.527 Recovery = 98.73%								
Be 234.861†	28320.3	0.0489	mg/L	0.00080	0.0489	mg/L	0.00080	1.63%
QC value within limits for Be 234.861 Recovery = 97.84%								
B 249.677†	25315.3	0.486	mg/L	0.0087	0.486	mg/L	0.0087	1.78%
QC value within limits for B 249.677 Recovery = 97.29%								
Ca 227.546†	1048.3	10.2	mg/L	0.10	10.2	mg/L	0.10	1.02%
QC value within limits for Ca 227.546 Recovery = 101.53%								
Cd 228.802†	857.1	0.0473	mg/L	0.00034	0.0473	mg/L	0.00034	0.71%
QC value less than the lower limit for Cd 228.802 Recovery = 94.53%								
Co 228.616†	3785.0	0.192	mg/L	0.0002	0.192	mg/L	0.0002	0.10%
QC value within limits for Co 228.616 Recovery = 95.86%								
Cr 267.716†	55522.3	0.490	mg/L	0.0059	0.490	mg/L	0.0059	1.21%
QC value within limits for Cr 267.716 Recovery = 98.09%								
Cu 327.393†	70694.8	0.492	mg/L	0.0092	0.492	mg/L	0.0092	1.87%
QC value within limits for Cu 327.393 Recovery = 98.38%								
Fe 239.562†	1796.8	3.89	mg/L	0.048	3.89	mg/L	0.048	1.23%
QC value within limits for Fe 239.562 Recovery = 97.28%								
Mg 279.077†	8052.7	9.80	mg/L	0.146	9.80	mg/L	0.146	1.49%
QC value within limits for Mg 279.077 Recovery = 98.03%								
Mn 257.610†	222251.0	0.505	mg/L	0.0049	0.505	mg/L	0.0049	0.96%
QC value within limits for Mn 257.610 Recovery = 101.10%								
Mo 202.031†	13227.8	0.989	mg/L	0.0013	0.989	mg/L	0.0013	0.13%
QC value within limits for Mo 202.031 Recovery = 98.93%								
Ni 231.604†	17005.0	0.495	mg/L	0.0050	0.495	mg/L	0.0050	1.01%
QC value within limits for Ni 231.604 Recovery = 98.98%								
Pb 220.353†	2945.6	0.502	mg/L	0.0007	0.502	mg/L	0.0007	0.13%
QC value within limits for Pb 220.353 Recovery = 100.47%								
Sb 206.836†	1923.2	1.24	mg/L	0.004	1.24	mg/L	0.004	0.35%
QC value within limits for Sb 206.836 Recovery = 103.05%								
Se 196.026†	542.9	0.389	mg/L	0.0036	0.389	mg/L	0.0036	0.93%
QC value within limits for Se 196.026 Recovery = 97.22%								
Si 251.611†	171919.3	5.01	mg/L	0.069	5.01	mg/L	0.069	1.38%
QC value within limits for Si 251.611 Recovery = 100.27%								
Sn 189.927†	5849.1	1.01	mg/L	0.003	1.01	mg/L	0.003	0.28%
QC value within limits for Sn 189.927 Recovery = 100.87%								
Ti 334.940†	734230.1	1.01	mg/L	0.005	1.01	mg/L	0.005	0.52%
QC value within limits for Ti 334.940 Recovery = 100.95%								
Tl 190.801†	844.3	0.511	mg/L	0.0049	0.511	mg/L	0.0049	0.95%
QC value within limits for Tl 190.801 Recovery = 102.27%								
V 290.880†	142986.3	0.958	mg/L	0.0108	0.958	mg/L	0.0108	1.13%
QC value within limits for V 290.880 Recovery = 95.77%								
Zn 206.200†	32266.0	0.979	mg/L	0.0101	0.979	mg/L	0.0101	1.03%
QC value within limits for Zn 206.200 Recovery = 97.89%								
K 766.490†	126748.1	48.7	mg/L	0.44	48.7	mg/L	0.44	0.90%
QC value within limits for K 766.490 Recovery = 97.34%								
Na 589.592†	642774.5	47.5	mg/L	0.54	47.5	mg/L	0.54	1.13%

QC value within limits for Na 589.592 Recovery = 95.03%
Sr 407.771† 1001727.2 0.981 mg/L 0.0771 0.981 mg/L 0.0771 7.86%
QC value within limits for Sr 407.771 Recovery = 98.08%
Li 670.784† 78711.0 0.981 mg/L 0.0024 0.981 mg/L 0.0024 0.25%
QC value within limits for Li 670.784 Recovery = 98.12%
QC Failed. Continue with analysis.

Sequence No.: 7 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 2/18/2011 3:08:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4934488.8						91437.86	1.85%
YRADIAL	296741.8						5629.52	1.90%
Ga 417.206	1384742.3						20452.18	1.48%
GaRADIAL	68671.7						1226.43	1.79%
Ag 328.068†	-159.0	-0.00036	mg/L	0.000946	-0.00036	mg/L	0.000946	264.07%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	65.5	0.00615	mg/L	0.008171	0.00615	mg/L	0.008171	132.77%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.7	0.00159	mg/L	0.001848	0.00159	mg/L	0.001848	115.99%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.8	-0.00013	mg/L	0.000041	-0.00013	mg/L	0.000041	32.25%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-5.2	-0.00002	mg/L	0.000012	-0.00002	mg/L	0.000012	73.55%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	46.6	0.00253	mg/L	0.000084	0.00253	mg/L	0.000084	3.32%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-2.0	-0.0717	mg/L	0.03124	-0.0717	mg/L	0.03124	43.56%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	-0.6	0.00010	mg/L	0.000085	0.00010	mg/L	0.000085	84.85%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-0.5	0.00011	mg/L	0.000105	0.00011	mg/L	0.000105	91.70%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	4.6	-0.00044	mg/L	0.000068	-0.00044	mg/L	0.000068	15.57%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	8.2	-0.00024	mg/L	0.000258	-0.00024	mg/L	0.000258	106.67%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-0.7	-0.00532	mg/L	0.001534	-0.00532	mg/L	0.001534	28.83%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	4.0	0.00118	mg/L	0.009031	0.00118	mg/L	0.009031	766.56%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	47.6	-0.00016	mg/L	0.000034	-0.00016	mg/L	0.000034	21.38%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.6	-0.00006	mg/L	0.000313	-0.00006	mg/L	0.000313	564.84%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-7.8	-0.00017	mg/L	0.000170	-0.00017	mg/L	0.000170	98.86%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-2.3	-0.00037	mg/L	0.001174	-0.00037	mg/L	0.001174	314.27%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.5	0.00019	mg/L	0.002338	0.00019	mg/L	0.002338	>999.9%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.9	-0.00194	mg/L	0.006255	-0.00194	mg/L	0.006255	322.65%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	158.7	0.00415	mg/L	0.000136	0.00415	mg/L	0.000136	3.28%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	6.8	0.00033	mg/L	0.000289	0.00033	mg/L	0.000289	86.60%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	119.2	0.00013	mg/L	0.000041	0.00013	mg/L	0.000041	32.66%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.0	0.00047	mg/L	0.000738	0.00047	mg/L	0.000738	158.23%
QC value within limits for Tl 190.801 Recovery = Not calculated								

V 290.880† -89.5 0.00063 mg/L 0.001126 0.00063 mg/L 0.001126 178.47%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† 7.8 -0.00012 mg/L 0.000061 -0.00012 mg/L 0.000061 52.63%
QC value within limits for Zn 206.200 Recovery = Not calculated
K 766.490† 215.5 0.0998 mg/L 0.03660 0.0998 mg/L 0.03660 36.69%
QC value within limits for K 766.490 Recovery = Not calculated
Na 589.592† 103.6 0.0106 mg/L 0.01697 0.0106 mg/L 0.01697 160.38%
QC value within limits for Na 589.592 Recovery = Not calculated
Sr 407.771† 322.3 0.00004 mg/L 0.000072 0.00004 mg/L 0.000072 178.98%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† -133.5 -0.00072 mg/L 0.000307 -0.00072 mg/L 0.000307 42.87%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 10**
Sample ID: LLCCV **Date Collected: 2/18/2011 3:14:38 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Calib. Std.Dev.	Sample Conc.	Units	Sample Std.Dev.	RSD
Y 371.029	4832956.1						71616.61	1.48%
YRADIAL	292574.0						3566.10	1.22%
Ga 417.206	1356959.8						27048.90	1.99%
GaRADIAL	66995.0						748.81	1.12%
Ag 328.068†	1516.5	0.00798	mg/L	0.001201	0.00798	mg/L	0.001201	15.05%
QC value greater than the upper limit for Ag 328.068 Recovery = 199.56%								
Al 396.153†	1034.9	0.200	mg/L	0.0189	0.200	mg/L	0.0189	9.43%
QC value greater than the upper limit for Al 396.153 Recovery = 200.19%								
As 188.979†	8.2	0.00749	mg/L	0.000499	0.00749	mg/L	0.000499	6.66%
QC value greater than the upper limit for As 188.979 Recovery = 187.33%								
Ba 233.527†	1183.8	0.0199	mg/L	0.00032	0.0199	mg/L	0.00032	1.62%
QC value greater than the upper limit for Ba 233.527 Recovery = 199.02%								
Be 234.861†	558.6	0.00096	mg/L	0.000003	0.00096	mg/L	0.000003	0.36%
QC value less than the lower limit for Be 234.861 Recovery = 47.87%								
B 249.677†	549.9	0.0122	mg/L	0.00083	0.0122	mg/L	0.00083	6.84%
QC value less than the lower limit for B 249.677 Recovery = 12.19%								
Ca 227.546†	18.2	0.125	mg/L	0.0584	0.125	mg/L	0.0584	46.58%
QC value less than the lower limit for Ca 227.546 Recovery = 62.70%								
Cd 228.802†	17.4	0.00110	mg/L	0.000115	0.00110	mg/L	0.000115	10.47%
QC value greater than the upper limit for Cd 228.802 Recovery = 220.09%								
Co 228.616†	75.3	0.00395	mg/L	0.000442	0.00395	mg/L	0.000442	11.19%
QC value greater than the upper limit for Co 228.616 Recovery = 197.65%								
Cr 267.716†	1186.6	0.0100	mg/L	0.00012	0.0100	mg/L	0.00012	1.22%
QC value greater than the upper limit for Cr 267.716 Recovery = 200.29%								
Cu 327.393†	1474.4	0.00997	mg/L	0.000347	0.00997	mg/L	0.000347	3.48%
QC value greater than the upper limit for Cu 327.393 Recovery = 199.30%								
Fe 239.562†	36.7	0.0756	mg/L	0.00562	0.0756	mg/L	0.00562	7.43%
QC value within limits for Fe 239.562 Recovery = 75.60%								
Mg 279.077†	156.6	0.187	mg/L	0.0048	0.187	mg/L	0.0048	2.57%
QC value less than the lower limit for Mg 279.077 Recovery = 37.40%								
Mn 257.610†	4488.1	0.00994	mg/L	0.000263	0.00994	mg/L	0.000263	2.64%
QC value greater than the upper limit for Mn 257.610 Recovery = 198.89%								
Mo 202.031†	262.2	0.0197	mg/L	0.00020	0.0197	mg/L	0.00020	1.02%
QC value greater than the upper limit for Mo 202.031 Recovery = 196.74%								
Ni 231.604†	339.2	0.00993	mg/L	0.000340	0.00993	mg/L	0.000340	3.43%
QC value greater than the upper limit for Ni 231.604 Recovery = 198.54%								
Pb 220.353†	60.4	0.0103	mg/L	0.00136	0.0103	mg/L	0.00136	13.16%
QC value greater than the upper limit for Pb 220.353 Recovery = 206.38%								
Sb 206.836†	39.0	0.0262	mg/L	0.00126	0.0262	mg/L	0.00126	4.80%
QC value greater than the upper limit for Sb 206.836 Recovery = 218.15%								
Se 196.026†	14.0	0.00753	mg/L	0.004499	0.00753	mg/L	0.004499	59.72%
QC value greater than the upper limit for Se 196.026 Recovery = 188.33%								
Si 251.611†	3453.1	0.100	mg/L	0.0020	0.100	mg/L	0.0020	2.04%

QC value greater than the upper limit for Si 251.611 Recovery = 200.45%
Sn 189.927† 123.7 0.0205 mg/L 0.00100 0.0205 mg/L 0.00100 4.86%
QC value greater than the upper limit for Sn 189.927 Recovery = 205.06%
Ti 334.940† 14362.5 0.0197 mg/L 0.00034 0.0197 mg/L 0.00034 1.71%
QC value greater than the upper limit for Ti 334.940 Recovery = 197.10%
Tl 190.801† 16.4 0.0104 mg/L 0.00425 0.0104 mg/L 0.00425 40.96%
QC value greater than the upper limit for Tl 190.801 Recovery = 207.74%
V 290.880† 2892.7 0.0206 mg/L 0.00111 0.0206 mg/L 0.00111 5.38%
QC value greater than the upper limit for V 290.880 Recovery = 205.80%
Zn 206.200† 699.6 0.0209 mg/L 0.00036 0.0209 mg/L 0.00036 1.73%
QC value within limits for Zn 206.200 Recovery = 104.40%
K 766.490† 2675.5 1.03 mg/L 0.021 1.03 mg/L 0.021 1.99%
QC value within limits for K 766.490 Recovery = 103.00%
Na 589.592† 13565.9 0.982 mg/L 0.0181 0.982 mg/L 0.0181 1.84%
QC value greater than the upper limit for Na 589.592 Recovery = 196.45%
Sr 407.771† 20349.2 0.0197 mg/L 0.00128 0.0197 mg/L 0.00128 6.51%
QC value greater than the upper limit for Sr 407.771 Recovery = 196.54%
Li 670.784† 1579.7 0.0206 mg/L 0.00143 0.0206 mg/L 0.00143 6.91%
QC value greater than the upper limit for Li 670.784 Recovery = 206.19%
QC Failed. Continue with analysis.

Sequence No.: 9 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 2/18/2011 3:21:19 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4325320.6						22189.69	0.51%
YRADIAL	279047.3						4617.02	1.65%
Ga 417.206	1257037.2						10398.95	0.83%
GaRADIAL	65265.0						853.99	1.31%
Ag 328.068†	725.7	-0.00082	mg/L	0.001176	-0.00082	mg/L	0.001176	143.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1254143.2	251	mg/L	3.8	251	mg/L	3.8	1.52%
QC value within limits for Al 396.153 Recovery = 100.55%								
As 188.979†	10.5	-0.00006	mg/L	0.005126	-0.00006	mg/L	0.005126	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	145.6	-0.00008	mg/L	0.000078	-0.00008	mg/L	0.000078	93.24%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	11517.0	-0.00003	mg/L	0.001302	-0.00003	mg/L	0.001302	>999.9%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	-6756.9	0.0450	mg/L	0.01627	0.0450	mg/L	0.01627	36.12%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	30144.3	284	mg/L	2.8	284	mg/L	2.8	0.99%
QC value within limits for Ca 227.546 Recovery = 113.69%								
Cd 228.802†	2.9	0.00013	mg/L	0.000167	0.00013	mg/L	0.000167	133.15%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	20.4	-0.00136	mg/L	0.000774	-0.00136	mg/L	0.000774	57.08%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	624.8	-0.00116	mg/L	0.000086	-0.00116	mg/L	0.000086	7.43%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-1580.5	-0.00010	mg/L	0.000351	-0.00010	mg/L	0.000351	366.78%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	44806.6	97.1	mg/L	0.21	97.1	mg/L	0.21	0.22%
QC value within limits for Fe 239.562 Recovery = 97.14%								
Mg 279.077†	204675.0	249	mg/L	0.8	249	mg/L	0.8	0.34%
QC value within limits for Mg 279.077 Recovery = 99.66%								
Mn 257.610†	-189.9	0.00017	mg/L	0.000411	0.00017	mg/L	0.000411	245.10%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-17.9	0.00352	mg/L	0.000272	0.00352	mg/L	0.000272	7.72%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-75.7	-0.00221	mg/L	0.000380	-0.00221	mg/L	0.000380	17.23%
QC value within limits for Ni 231.604 Recovery = Not calculated								

Pb 220.353†	-92.2	0.00212 mg/L	0.002943	0.00212 mg/L	0.002943	138.92%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	23.3	0.0160 mg/L	0.00268	0.0160 mg/L	0.00268	16.74%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-107.4	-0.00056 mg/L	0.005294	-0.00056 mg/L	0.005294	944.22%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	18974.3	0.555 mg/L	0.0039	0.555 mg/L	0.0039	0.71%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-25.4	-0.00524 mg/L	0.001217	-0.00524 mg/L	0.001217	23.22%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	-1778.3	0.00035 mg/L	0.000376	0.00035 mg/L	0.000376	106.38%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	161.8	0.0706 mg/L	0.00327	0.0706 mg/L	0.00327	4.63%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 290.880†	-965.1	0.00223 mg/L	0.005131	0.00223 mg/L	0.005131	229.92%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	52.0	-0.00099 mg/L	0.000671	-0.00099 mg/L	0.000671	67.77%
QC value within limits for Zn 206.200 Recovery = Not calculated						
K 766.490†	98.0	0.0553 mg/L	0.03266	0.0553 mg/L	0.03266	59.10%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 589.592†	441.2	0.0349 mg/L	0.00360	0.0349 mg/L	0.00360	10.30%
QC value within limits for Na 589.592 Recovery = Not calculated						
Sr 407.771†	13914.9	0.00170 mg/L	0.000421	0.00170 mg/L	0.000421	24.73%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Li 670.784†	106.5	0.00227 mg/L	0.000263	0.00227 mg/L	0.000263	11.58%
QC value within limits for Li 670.784 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 10 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 2/18/2011 3:26:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4321705.7						30211.20	0.70%
YRADIAL	281773.2						4384.47	1.56%
Ga 417.206	1248345.8						15312.71	1.23%
GaRADIAL	65507.3						524.83	0.80%
Ag 328.068†	104246.1	0.514	mg/L	0.0072	0.514	mg/L	0.0072	1.40%
QC value within limits for Ag 328.068 Recovery = 102.74%								
Al 396.153†	1244871.8	250	mg/L	4.9	250	mg/L	4.9	1.98%
QC value within limits for Al 396.153 Recovery = 99.81%								
As 188.979†	288.3	0.255	mg/L	0.0065	0.255	mg/L	0.0065	2.55%
QC value within limits for As 188.979 Recovery = 102.10%								
Ba 233.527†	14821.5	0.249	mg/L	0.0024	0.249	mg/L	0.0024	0.96%
QC value within limits for Ba 233.527 Recovery = 99.56%								
Be 234.861†	164002.7	0.260	mg/L	0.0056	0.260	mg/L	0.0056	2.14%
QC value within limits for Be 234.861 Recovery = 103.85%								
B 249.677†	-9809.8	-0.0344	mg/L	0.01091	-0.0344	mg/L	0.01091	31.71%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	29949.0	283	mg/L	1.9	283	mg/L	1.9	0.66%
QC value within limits for Ca 227.546 Recovery = 113.08%								
Cd 228.802†	8198.9	0.455	mg/L	0.0063	0.455	mg/L	0.0063	1.39%
QC value within limits for Cd 228.802 Recovery = 91.06%								
Co 228.616†	4554.9	0.231	mg/L	0.0010	0.231	mg/L	0.0010	0.44%
QC value within limits for Co 228.616 Recovery = 92.45%								
Cr 267.716†	28640.5	0.247	mg/L	0.0012	0.247	mg/L	0.0012	0.49%
QC value within limits for Cr 267.716 Recovery = 98.63%								
Cu 327.393†	35548.4	0.257	mg/L	0.0032	0.257	mg/L	0.0032	1.24%
QC value within limits for Cu 327.393 Recovery = 102.83%								
Fe 239.562†	43708.7	94.8	mg/L	0.48	94.8	mg/L	0.48	0.50%
QC value within limits for Fe 239.562 Recovery = 94.76%								
Mg 279.077†	200074.0	244	mg/L	0.9	244	mg/L	0.9	0.35%

QC value within limits for Mg 279.077 Recovery = 97.42%
Mn 257.610† 110835.4 0.252 mg/L 0.0019 0.252 mg/L 0.0019 0.76%
QC value within limits for Mn 257.610 Recovery = 100.61%
Mo 202.031† -11.6 0.00395 mg/L 0.000735 0.00395 mg/L 0.000735 18.62%
QC value within limits for Mo 202.031 Recovery = Not calculated
Ni 231.604† 16063.2 0.467 mg/L 0.0029 0.467 mg/L 0.0029 0.62%
QC value within limits for Ni 231.604 Recovery = 93.48%
Pb 220.353† 2826.7 0.495 mg/L 0.0030 0.495 mg/L 0.0030 0.60%
QC value within limits for Pb 220.353 Recovery = 98.91%
Sb 206.836† 850.5 0.544 mg/L 0.0052 0.544 mg/L 0.0052 0.96%
QC value within limits for Sb 206.836 Recovery = 108.79%
Se 196.026† 238.3 0.246 mg/L 0.0053 0.246 mg/L 0.0053 2.16%
QC value within limits for Se 196.026 Recovery = 98.41%
Si 251.611† 341.5 0.00951 mg/L 0.000283 0.00951 mg/L 0.000283 2.98%
QC value within limits for Si 251.611 Recovery = Not calculated
Sn 189.927† -20.7 -0.00443 mg/L 0.001517 -0.00443 mg/L 0.001517 34.28%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 334.940† -1992.6 -0.00003 mg/L 0.000282 -0.00003 mg/L 0.000282 861.08%
QC value within limits for Ti 334.940 Recovery = Not calculated
Tl 190.801† 1000.1 0.567 mg/L 0.0105 0.567 mg/L 0.0105 1.85%
QC value within limits for Tl 190.801 Recovery = 113.30%
V 290.880† 35670.4 0.247 mg/L 0.0008 0.247 mg/L 0.0008 0.33%
QC value within limits for V 290.880 Recovery = 98.86%
Zn 206.200† 15522.9 0.469 mg/L 0.0050 0.469 mg/L 0.0050 1.08%
QC value within limits for Zn 206.200 Recovery = 93.76%
K 766.490† 13496.2 5.13 mg/L 0.051 5.13 mg/L 0.051 1.00%
QC value within limits for K 766.490 Recovery = 102.57%
Na 589.592† 69125.5 5.00 mg/L 0.030 5.00 mg/L 0.030 0.60%
QC value within limits for Na 589.592 Recovery = 100.05%
Sr 407.771† 13323.4 0.00141 mg/L 0.000406 0.00141 mg/L 0.000406 28.85%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† -173.3 -0.00121 mg/L 0.000952 -0.00121 mg/L 0.000952 78.51%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/18/2011 3:32:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4702462.2						37555.83	0.80%
YRADIAL	286792.3						5952.27	2.08%
Ga 417.206	1315139.6						9755.43	0.74%
GaRADIAL	65624.6						592.27	0.90%
Ag 328.068†	79946.6	0.398	mg/L	0.0017	0.398	mg/L	0.0017	0.43%
QC value within limits for Ag 328.068 Recovery = 99.61%								
Al 396.153†	50734.2	10.1	mg/L	0.04	10.1	mg/L	0.04	0.38%
QC value within limits for Al 396.153 Recovery = 101.49%								
As 188.979†	441.3	0.400	mg/L	0.0008	0.400	mg/L	0.0008	0.20%
QC value within limits for As 188.979 Recovery = 100.02%								
Ba 233.527†	57877.5	0.982	mg/L	0.0037	0.982	mg/L	0.0037	0.38%
QC value within limits for Ba 233.527 Recovery = 98.22%								
Be 234.861†	29585.8	0.0511	mg/L	0.00014	0.0511	mg/L	0.00014	0.27%
QC value within limits for Be 234.861 Recovery = 102.14%								
B 249.677†	26364.1	0.506	mg/L	0.0048	0.506	mg/L	0.0048	0.94%
QC value within limits for B 249.677 Recovery = 101.23%								
Ca 227.546†	1060.4	10.3	mg/L	0.10	10.3	mg/L	0.10	1.01%
QC value within limits for Ca 227.546 Recovery = 102.61%								
Cd 228.802†	893.4	0.0492	mg/L	0.00050	0.0492	mg/L	0.00050	1.02%
QC value within limits for Cd 228.802 Recovery = 98.33%								
Co 228.616†	3789.7	0.192	mg/L	0.0011	0.192	mg/L	0.0011	0.57%
QC value within limits for Co 228.616 Recovery = 96.01%								

Cr 267.716†	55312.3	0.489 mg/L	0.0014	0.489 mg/L	0.0014	0.29%
QC value within limits for Cr 267.716 Recovery = 97.72%						
Cu 327.393†	72370.1	0.504 mg/L	0.0035	0.504 mg/L	0.0035	0.69%
QC value within limits for Cu 327.393 Recovery = 100.71%						
Fe 239.562†	1795.3	3.89 mg/L	0.036	3.89 mg/L	0.036	0.92%
QC value within limits for Fe 239.562 Recovery = 97.19%						
Mg 279.077†	8081.9	9.84 mg/L	0.094	9.84 mg/L	0.094	0.96%
QC value within limits for Mg 279.077 Recovery = 98.39%						
Mn 257.610†	217876.1	0.496 mg/L	0.0012	0.496 mg/L	0.0012	0.25%
QC value within limits for Mn 257.610 Recovery = 99.14%						
Mo 202.031†	13193.2	0.987 mg/L	0.0030	0.987 mg/L	0.0030	0.31%
QC value within limits for Mo 202.031 Recovery = 98.68%						
Ni 231.604†	16811.6	0.489 mg/L	0.0009	0.489 mg/L	0.0009	0.18%
QC value within limits for Ni 231.604 Recovery = 97.85%						
Pb 220.353†	2920.8	0.498 mg/L	0.0025	0.498 mg/L	0.0025	0.50%
QC value within limits for Pb 220.353 Recovery = 99.63%						
Sb 206.836†	1923.1	1.24 mg/L	0.012	1.24 mg/L	0.012	0.96%
QC value within limits for Sb 206.836 Recovery = 103.05%						
Se 196.026†	557.3	0.399 mg/L	0.0062	0.399 mg/L	0.0062	1.54%
QC value within limits for Se 196.026 Recovery = 99.82%						
Si 251.611†	171636.2	5.01 mg/L	0.029	5.01 mg/L	0.029	0.58%
QC value within limits for Si 251.611 Recovery = 100.11%						
Sn 189.927†	5721.9	0.987 mg/L	0.0059	0.987 mg/L	0.0059	0.60%
QC value within limits for Sn 189.927 Recovery = 98.67%						
Ti 334.940†	716520.8	0.985 mg/L	0.0021	0.985 mg/L	0.0021	0.21%
QC value within limits for Ti 334.940 Recovery = 98.52%						
Tl 190.801†	838.0	0.507 mg/L	0.0051	0.507 mg/L	0.0051	1.00%
QC value within limits for Tl 190.801 Recovery = 101.47%						
V 290.880†	144713.1	0.969 mg/L	0.0036	0.969 mg/L	0.0036	0.37%
QC value within limits for V 290.880 Recovery = 96.93%						
Zn 206.200†	32499.7	0.986 mg/L	0.0041	0.986 mg/L	0.0041	0.42%
QC value within limits for Zn 206.200 Recovery = 98.60%						
K 766.490†	129128.6	49.6 mg/L	0.33	49.6 mg/L	0.33	0.67%
QC value within limits for K 766.490 Recovery = 99.19%						
Na 589.592†	671650.7	49.7 mg/L	0.57	49.7 mg/L	0.57	1.15%
QC value within limits for Na 589.592 Recovery = 99.41%						
Sr 407.771†	1008008.0	0.987 mg/L	0.0710	0.987 mg/L	0.0710	7.20%
QC value within limits for Sr 407.771 Recovery = 98.70%						
Li 670.784†	79944.6	0.997 mg/L	0.0089	0.997 mg/L	0.0089	0.89%
QC value within limits for Li 670.784 Recovery = 99.66%						

All analyte(s) passed QC.

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Sequence No.: 12 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/18/2011 3:39:17 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4913175.0						57798.32	1.18%
YRADIAL	298966.7						10210.50	3.42%
Ga 417.206	1360949.8						27908.84	2.05%
GaRADIAL	67485.6						1151.55	1.71%
Ag 328.068†	-136.5	-0.00025	mg/L	0.000576	-0.00025	mg/L	0.000576	231.72%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	89.7	0.0110	mg/L	0.01255	0.0110	mg/L	0.01255	113.97%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.0	0.00001	mg/L	0.000640	0.00001	mg/L	0.000640	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	1.1	-0.00017	mg/L	0.000035	-0.00017	mg/L	0.000035	19.96%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-6.7	-0.00002	mg/L	0.000021	-0.00002	mg/L	0.000021	105.39%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	94.3	0.00346	mg/L	0.000204	0.00346	mg/L	0.000204	5.91%

QC value within limits for B 249.677 Recovery = Not calculated

Ca 227.546†	-5.4	-0.104 mg/L	0.0203	-0.104 mg/L	0.0203	19.49%
QC value less than the lower limit for Ca 227.546 Recovery = Not calculated							
Cd 228.802†	2.5	0.00028 mg/L	0.000214	0.00028 mg/L	0.000214	76.85%
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	-2.9	-0.00001 mg/L	0.000292	-0.00001 mg/L	0.000292	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-6.7	-0.00054 mg/L	0.000105	-0.00054 mg/L	0.000105	19.43%
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	-7.8	-0.00035 mg/L	0.000259	-0.00035 mg/L	0.000259	73.32%
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 239.562†	3.2	0.00301 mg/L	0.002332	0.00301 mg/L	0.002332	77.53%
QC value within limits for Fe 239.562 Recovery = Not calculated							
Mg 279.077†	4.3	0.00155 mg/L	0.003686	0.00155 mg/L	0.003686	238.34%
QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	16.5	-0.00023 mg/L	0.000018	-0.00023 mg/L	0.000018	7.62%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	-2.3	-0.00011 mg/L	0.000677	-0.00011 mg/L	0.000677	631.75%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Ni 231.604†	-9.0	-0.00021 mg/L	0.000062	-0.00021 mg/L	0.000062	29.97%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	3.6	0.00063 mg/L	0.000320	0.00063 mg/L	0.000320	50.97%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-3.4	-0.00105 mg/L	0.000842	-0.00105 mg/L	0.000842	80.05%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	4.6	0.00075 mg/L	0.001569	0.00075 mg/L	0.001569	209.48%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	56.1	0.00115 mg/L	0.000195	0.00115 mg/L	0.000195	16.90%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	3.4	-0.00026 mg/L	0.001027	-0.00026 mg/L	0.001027	390.69%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 334.940†	10.1	-0.00002 mg/L	0.000114	-0.00002 mg/L	0.000114	468.61%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	2.9	0.00219 mg/L	0.003823	0.00219 mg/L	0.003823	174.44%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 290.880†	-201.4	-0.00012 mg/L	0.000642	-0.00012 mg/L	0.000642	548.36%
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	4.3	-0.00022 mg/L	0.000152	-0.00022 mg/L	0.000152	67.96%
QC value within limits for Zn 206.200 Recovery = Not calculated							
K 766.490†	34.3	0.0312 mg/L	0.00216	0.0312 mg/L	0.00216	6.90%
QC value within limits for K 766.490 Recovery = Not calculated							
Na 589.592†	-427.8	-0.0278 mg/L	0.00206	-0.0278 mg/L	0.00206	7.41%
QC value within limits for Na 589.592 Recovery = Not calculated							
Sr 407.771†	59.8	-0.00022 mg/L	0.000088	-0.00022 mg/L	0.000088	40.29%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Li 670.784†	-96.6	-0.00026 mg/L	0.001479	-0.00026 mg/L	0.001479	574.27%
QC value within limits for Li 670.784 Recovery = Not calculated							

QC Failed. Continue with analysis.

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Sequence No.: 13 **Autosampler Location: 51**
Sample ID: LRC **Date Collected: 2/18/2011 3:46:05 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LRC

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LRC

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4556012.8						31273.68	0.69%
YRADIAL	281305.1						2983.61	1.06%
Ga 417.206	1346595.3						17352.55	1.29%
GaRADIAL	65354.5						688.33	1.05%
Ag 328.068†	-52.0	0.00015	mg/L	0.000582	0.00015	mg/L	0.000582	394.01%
Al 396.153†	86.5	0.0104	mg/L	0.01148	0.0104	mg/L	0.01148	110.86%
As 188.979†	-0.0	0.00003	mg/L	0.001334	0.00003	mg/L	0.001334	>999.9%
Ba 233.527†	11.9	-0.00002	mg/L	0.000064	-0.00002	mg/L	0.000064	274.00%

Be 234.861†	4.1	0.00000	mg/L	0.000006	0.00000	mg/L	0.000006 228.16%
B 249.677†	55.6	0.00275	mg/L	0.001074	0.00275	mg/L	0.001074 39.06%
Ca 227.546†	0.6	-0.0956	mg/L	0.05156	-0.0956	mg/L	0.05156 53.91%
Cd 228.802†	2.5	0.00028	mg/L	0.000155	0.00028	mg/L	0.000155 54.57%
Co 228.616†	0.3	0.00015	mg/L	0.000363	0.00015	mg/L	0.000363 236.20%
Cr 267.716†	527.6	0.00418	mg/L	0.000776	0.00418	mg/L	0.000776 18.57%
Cu 327.393†	-36.5	-0.00056	mg/L	0.000657	-0.00056	mg/L	0.000657 116.98%
Fe 239.562†	6.2	-0.00363	mg/L	0.007497	-0.00363	mg/L	0.007497 206.74%
Mg 279.077†	391746.5	477	mg/L	11.9	477	mg/L	11.9 2.50%
Mn 257.610†	105.4	-0.00703	mg/L	0.000158	-0.00703	mg/L	0.000158 2.24%
Mo 202.031†	-1.7	-0.00007	mg/L	0.000141	-0.00007	mg/L	0.000141 212.59%
Ni 231.604†	1.0	0.00008	mg/L	0.000260	0.00008	mg/L	0.000260 319.94%
Pb 220.353†	7.4	0.00127	mg/L	0.001416	0.00127	mg/L	0.001416 111.65%
Sb 206.836†	-4.1	-0.00152	mg/L	0.001334	-0.00152	mg/L	0.001334 88.02%
Se 196.026†	2.7	-0.00064	mg/L	0.000308	-0.00064	mg/L	0.000308 48.35%
Si 251.611†	505.1	0.0143	mg/L	0.00081	0.0143	mg/L	0.00081 5.65%
Sn 189.927†	2.7	-0.00039	mg/L	0.000428	-0.00039	mg/L	0.000428 109.62%
Ti 334.940†	175.3	0.00020	mg/L	0.000213	0.00020	mg/L	0.000213 105.46%
Tl 190.801†	12.5	0.00784	mg/L	0.003878	0.00784	mg/L	0.003878 49.46%
V 290.880†	-2280.7	-0.0140	mg/L	0.00145	-0.0140	mg/L	0.00145 10.30%
Zn 206.200†	81.1	0.00212	mg/L	0.000185	0.00212	mg/L	0.000185 8.75%
K 766.490†	89.1	0.0519	mg/L	0.03045	0.0519	mg/L	0.03045 58.65%
Na 589.592†	-9.7	0.00241	mg/L	0.008111	0.00241	mg/L	0.008111 336.76%
Sr 407.771†	11.8	-0.00027	mg/L	0.000127	-0.00027	mg/L	0.000127 47.89%
Li 670.784†	112.0	0.00234	mg/L	0.001445	0.00234	mg/L	0.001445 61.74%

User canceled analysis.

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Analysis Begun

Start Time: 2/18/2011 3:51:03 PM **Plasma On Time: 2/18/2011 7:37:54 AM**
Logged In Analyst: peicp2 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N4011401 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\peicp2\Sample Information\FRIDAY1.sif
Batch ID:
Results Data Set: 021811H5
Results Library: C:\pe\peicp2\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 52**
Sample ID: LRC **Date Collected: 2/18/2011 3:51:04 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LRC

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: LRC

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4666652.5						56743.44	1.22%
YRADIAL	287633.5						2182.55	0.76%
Ga 417.206	1297315.3						8815.65	0.68%
GaRADIAL	64819.4						424.65	0.66%
Ag 328.068†	-260.0	-0.00086	mg/L	0.000721	-0.00086	mg/L	0.000721	84.21%
Al 396.153†	-18.9	-0.0108	mg/L	0.01586	-0.0108	mg/L	0.01586	147.45%
As 188.979†	3.2	0.00294	mg/L	0.002176	0.00294	mg/L	0.002176	74.10%
Ba 233.527†	2.9	-0.00014	mg/L	0.000039	-0.00014	mg/L	0.000039	28.17%
Be 234.861†	-18.8	-0.00004	mg/L	0.000006	-0.00004	mg/L	0.000006	15.53%
B 249.677†	111.5	0.00378	mg/L	0.000281	0.00378	mg/L	0.000281	7.42%
Ca 227.546†	3.7	-0.0170	mg/L	0.05425	-0.0170	mg/L	0.05425	318.69%
Cd 228.802†	-0.6	0.00009	mg/L	0.000150	0.00009	mg/L	0.000150	161.46%
Co 228.616†	0.6	0.00017	mg/L	0.000256	0.00017	mg/L	0.000256	148.99%
Cr 267.716†	-5.2	-0.00052	mg/L	0.000002	-0.00052	mg/L	0.000002	0.43%
Cu 327.393†	-37.4	-0.00056	mg/L	0.000196	-0.00056	mg/L	0.000196	35.22%
Fe 239.562†	-0.0	-0.00391	mg/L	0.003061	-0.00391	mg/L	0.003061	78.27%
Mg 279.077†	171.3	0.205	mg/L	0.0959	0.205	mg/L	0.0959	46.79%
Mn 257.610†	130.7	0.00201	mg/L	0.000014	0.00201	mg/L	0.000014	0.68%
Mo 202.031†	-8.0	-0.00053	mg/L	0.000371	-0.00053	mg/L	0.000371	69.72%
Ni 231.604†	31.1	0.00096	mg/L	0.000182	0.00096	mg/L	0.000182	18.95%
Pb 220.353†	6.4	0.00109	mg/L	0.000709	0.00109	mg/L	0.000709	64.95%
Sb 206.836†	-3.0	-0.00077	mg/L	0.001627	-0.00077	mg/L	0.001627	211.32%
Se 196.026†	1.8	-0.00126	mg/L	0.003166	-0.00126	mg/L	0.003166	251.21%
Si 251.611†	166.5	0.00439	mg/L	0.000779	0.00439	mg/L	0.000779	17.74%
Sn 189.927†	6.2	0.00022	mg/L	0.000454	0.00022	mg/L	0.000454	206.39%
Ti 334.940†	24.9	0.00000	mg/L	0.000147	0.00000	mg/L	0.000147	>999.9%
Tl 190.801†	-2.3	-0.00090	mg/L	0.000544	-0.00090	mg/L	0.000544	60.66%
V 290.880†	247.9	0.00289	mg/L	0.000363	0.00289	mg/L	0.000363	12.55%
Zn 206.200†	242.3	0.00698	mg/L	0.000194	0.00698	mg/L	0.000194	2.78%
K 766.490†	458.5	-0.0242	mg/L	0.03813	-0.0242	mg/L	0.03813	157.64%
Na 589.592†	2666076.8	216	mg/L	1.9	216	mg/L	1.9	0.88%
Sr 407.771†	-4.0	-0.00028	mg/L	0.000113	-0.00028	mg/L	0.000113	40.53%
Li 670.784†	134.2	0.00262	mg/L	0.001210	0.00262	mg/L	0.001210	46.22%

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Sequence No.: 2 **Autosampler Location: 53**
Sample ID: LRC **Date Collected: 2/18/2011 3:57:46 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LRC

Analyte	Back Pressure	Flow

All	169.0 kPa	0.50 L/min

Mean Data: LRC

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4497917.4						70547.37	1.57%
YRADIAL	279600.0						1944.49	0.70%
Ga 417.206	1277637.1						24682.32	1.93%
GaRADIAL	64056.4						1024.47	1.60%
Ag 328.068†	1906.8	0.00990	mg/L	0.000599	0.00990	mg/L	0.000599	6.06%
Al 396.153†	-270.7	-0.0612	mg/L	0.00783	-0.0612	mg/L	0.00783	12.78%
As 188.979†	6.9	-0.00491	mg/L	0.002548	-0.00491	mg/L	0.002548	51.86%
Ba 233.527†	43.5	0.00055	mg/L	0.000074	0.00055	mg/L	0.000074	13.42%
Be 234.861†	-20.9	-0.00005	mg/L	0.000027	-0.00005	mg/L	0.000027	52.31%
B 249.677†	67.8	0.00320	mg/L	0.000434	0.00320	mg/L	0.000434	13.53%
Ca 227.546†	60038.0	565	mg/L	21.4	565	mg/L	21.4	3.79%
Cd 228.802†	-1.5	0.00002	mg/L	0.000142	0.00002	mg/L	0.000142	703.22%
Co 228.616†	3.6	0.00034	mg/L	0.000420	0.00034	mg/L	0.000420	123.36%
Cr 267.716†	697.5	0.00569	mg/L	0.000174	0.00569	mg/L	0.000174	3.06%
Cu 327.393†	-2682.7	-0.0189	mg/L	0.00062	-0.0189	mg/L	0.00062	3.27%
Fe 239.562†	20.2	0.0399	mg/L	0.00654	0.0399	mg/L	0.00654	16.42%
Mg 279.077†	3.8	0.00084	mg/L	0.007689	0.00084	mg/L	0.007689	914.61%
Mn 257.610†	211.6	0.00024	mg/L	0.000033	0.00024	mg/L	0.000033	13.93%
Mo 202.031†	-4.6	-0.00028	mg/L	0.000466	-0.00028	mg/L	0.000466	167.20%
Ni 231.604†	-25.7	-0.00075	mg/L	0.000228	-0.00075	mg/L	0.000228	30.33%
Pb 220.353†	-43.2	0.0199	mg/L	0.00031	0.0199	mg/L	0.00031	1.55%
Sb 206.836†	14.6	0.0105	mg/L	0.00184	0.0105	mg/L	0.00184	17.57%
Se 196.026†	-48.4	0.104	mg/L	0.0048	0.104	mg/L	0.0048	4.60%
Si 251.611†	597.0	0.0170	mg/L	0.00077	0.0170	mg/L	0.00077	4.55%
Sn 189.927†	-9.9	-0.00256	mg/L	0.001596	-0.00256	mg/L	0.001596	62.43%
Ti 334.940†	-4712.0	-0.00087	mg/L	0.000156	-0.00087	mg/L	0.000156	18.07%
Tl 190.801†	164.6	0.0468	mg/L	0.00395	0.0468	mg/L	0.00395	8.43%
V 290.880†	428.0	0.00410	mg/L	0.000585	0.00410	mg/L	0.000585	14.27%
Zn 206.200†	143.3	0.00401	mg/L	0.000080	0.00401	mg/L	0.000080	1.99%
K 766.490†	94.0	0.0537	mg/L	0.03083	0.0537	mg/L	0.03083	57.38%
Na 589.592†	789.3	0.0601	mg/L	0.01280	0.0601	mg/L	0.01280	21.32%
Sr 407.771†	28952.3	0.0281	mg/L	0.00334	0.0281	mg/L	0.00334	11.89%
Li 670.784†	-132.9	-0.00071	mg/L	0.001220	-0.00071	mg/L	0.001220	171.83%

Sequence No.: 3 **Autosampler Location: 54**
Sample ID: BLANK **Date Collected: 2/18/2011 4:04:24 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: BLANK

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4873909.4						40786.94	0.84%
YRADIAL	301047.7						6801.66	2.26%
Ga 417.206	1323531.0						14361.63	1.09%
GaRADIAL	67142.1						1006.08	1.50%
Ag 328.068†	-194.3	-0.00054	mg/L	0.000492	-0.00054	mg/L	0.000492	91.84%
Al 396.153†	6.4	-0.00569	mg/L	0.009885	-0.00569	mg/L	0.009885	173.77%
As 188.979†	0.9	0.00087	mg/L	0.002313	0.00087	mg/L	0.002313	265.74%
Ba 233.527†	-3.5	-0.00025	mg/L	0.000109	-0.00025	mg/L	0.000109	43.22%
Be 234.861†	-32.8	-0.00006	mg/L	0.000044	-0.00006	mg/L	0.000044	68.94%
B 249.677†	28.8	0.00223	mg/L	0.000330	0.00223	mg/L	0.000330	14.82%
Ca 227.546†	-0.1	-0.0537	mg/L	0.06630	-0.0537	mg/L	0.06630	123.58%
Cd 228.802†	2.6	0.00028	mg/L	0.000023	0.00028	mg/L	0.000023	8.21%
Co 228.616†	2.3	0.00026	mg/L	0.000239	0.00026	mg/L	0.000239	93.35%
Cr 267.716†	-4.1	-0.00051	mg/L	0.000061	-0.00051	mg/L	0.000061	11.77%
Cu 327.393†	-82.9	-0.00087	mg/L	0.000608	-0.00087	mg/L	0.000608	69.60%
Fe 239.562†	2.3	0.00115	mg/L	0.001829	0.00115	mg/L	0.001829	159.14%
Mg 279.077†	-4.2	-0.00877	mg/L	0.005442	-0.00877	mg/L	0.005442	62.06%

Mn 257.610†	-18.7	-0.00031 mg/L	0.000023	-0.00031 mg/L	0.000023	7.43%
Mo 202.031†	-1.7	-0.00007 mg/L	0.000324	-0.00007 mg/L	0.000324	494.85%
Ni 231.604†	-0.4	0.00004 mg/L	0.000118	0.00004 mg/L	0.000118	262.36%
Pb 220.353†	0.2	0.00005 mg/L	0.001196	0.00005 mg/L	0.001196	>999.9%
Sb 206.836†	-0.5	0.00081 mg/L	0.000330	0.00081 mg/L	0.000330	40.74%
Se 196.026†	-3.2	-0.00485 mg/L	0.001111	-0.00485 mg/L	0.001111	22.91%
Si 251.611†	8.7	-0.00023 mg/L	0.000591	-0.00023 mg/L	0.000591	253.63%
Sn 189.927†	1.5	-0.00058 mg/L	0.001078	-0.00058 mg/L	0.001078	184.70%
Ti 334.940†	49.1	0.00003 mg/L	0.000184	0.00003 mg/L	0.000184	618.05%
Tl 190.801†	1.2	0.00117 mg/L	0.002698	0.00117 mg/L	0.002698	231.10%
V 290.880†	-188.9	-0.00003 mg/L	0.000913	-0.00003 mg/L	0.000913	>999.9%
Zn 206.200†	33.5	0.00066 mg/L	0.000114	0.00066 mg/L	0.000114	17.11%
K 766.490†	-39.3	0.00339 mg/L	0.036117	0.00339 mg/L	0.036117	>999.9%
Na 589.592†	-385.1	-0.0247 mg/L	0.00823	-0.0247 mg/L	0.00823	33.34%
Sr 407.771†	-61.8	-0.00034 mg/L	0.000040	-0.00034 mg/L	0.000040	11.81%
Li 670.784†	-93.0	-0.00021 mg/L	0.000391	-0.00021 mg/L	0.000391	184.08%

Sequence No.: 4 **Autosampler Location: 55**
Sample ID: BLANK **Date Collected: 2/18/2011 4:11:07 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: BLANK

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5011150.2						51002.99	1.02%
YRADIAL	303368.8						5507.12	1.82%
Ga 417.206	1351359.4						12707.08	0.94%
GaRADIAL	67188.1						448.38	0.67%
Ag 328.068†	-80.1	0.00003	mg/L	0.000360	0.00003	mg/L	0.000360	>999.9%
Al 396.153†	6.9	-0.00559	mg/L	0.009576	-0.00559	mg/L	0.009576	171.28%
As 188.979†	-0.9	-0.00078	mg/L	0.002184	-0.00078	mg/L	0.002184	281.68%
Ba 233.527†	1.2	-0.00017	mg/L	0.000073	-0.00017	mg/L	0.000073	41.98%
Be 234.861†	-32.8	-0.00006	mg/L	0.000032	-0.00006	mg/L	0.000032	50.92%
B 249.677†	10.8	0.00187	mg/L	0.000153	0.00187	mg/L	0.000153	8.17%
Ca 227.546†	1.3	-0.0409	mg/L	0.05235	-0.0409	mg/L	0.05235	127.83%
Cd 228.802†	1.5	0.00023	mg/L	0.000126	0.00023	mg/L	0.000126	54.35%
Co 228.616†	5.1	0.00040	mg/L	0.000547	0.00040	mg/L	0.000547	136.46%
Cr 267.716†	2.7	-0.00045	mg/L	0.000076	-0.00045	mg/L	0.000076	16.74%
Cu 327.393†	-15.1	-0.00040	mg/L	0.000089	-0.00040	mg/L	0.000089	22.00%
Fe 239.562†	1.0	-0.00177	mg/L	0.002105	-0.00177	mg/L	0.002105	118.74%
Mg 279.077†	-5.6	-0.0106	mg/L	0.00102	-0.0106	mg/L	0.00102	9.66%
Mn 257.610†	-10.4	-0.00029	mg/L	0.000018	-0.00029	mg/L	0.000018	6.13%
Mo 202.031†	-2.7	-0.00014	mg/L	0.000267	-0.00014	mg/L	0.000267	194.16%
Ni 231.604†	-8.3	-0.00018	mg/L	0.000230	-0.00018	mg/L	0.000230	124.36%
Pb 220.353†	-0.9	-0.00013	mg/L	0.000594	-0.00013	mg/L	0.000594	454.06%
Sb 206.836†	-2.3	-0.00035	mg/L	0.000832	-0.00035	mg/L	0.000832	240.01%
Se 196.026†	-1.4	-0.00358	mg/L	0.001570	-0.00358	mg/L	0.001570	43.86%
Si 251.611†	4.5	-0.00035	mg/L	0.000331	-0.00035	mg/L	0.000331	93.24%
Sn 189.927†	-3.2	-0.00139	mg/L	0.000429	-0.00139	mg/L	0.000429	30.83%
Ti 334.940†	196.5	0.00023	mg/L	0.000071	0.00023	mg/L	0.000071	30.52%
Tl 190.801†	-0.4	0.00023	mg/L	0.001015	0.00023	mg/L	0.001015	450.68%
V 290.880†	-256.0	-0.00048	mg/L	0.000553	-0.00048	mg/L	0.000553	114.65%
Zn 206.200†	28.7	0.00052	mg/L	0.000094	0.00052	mg/L	0.000094	18.05%
K 766.490†	-15.8	0.0123	mg/L	0.02782	0.0123	mg/L	0.02782	226.09%
Na 589.592†	-644.1	-0.0434	mg/L	0.00928	-0.0434	mg/L	0.00928	21.40%
Sr 407.771†	-34.2	-0.00031	mg/L	0.000054	-0.00031	mg/L	0.000054	17.53%
Li 670.784†	-76.9	-0.00001	mg/L	0.000847	-0.00001	mg/L	0.000847	>999.9%

Sequence No.: 5 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/18/2011 4:17:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4733175.0						73702.26	1.56%
YRADIAL	292901.8						4601.51	1.57%
Ga 417.206	1300828.2						10305.09	0.79%
GaRADIAL	65211.3						2084.25	3.20%
Ag 328.068†	80021.6	0.399	mg/L	0.0023	0.399	mg/L	0.0023	0.58%
QC value within limits for Ag 328.068 Recovery = 99.70%								
Al 396.153†	51673.6	10.3	mg/L	0.08	10.3	mg/L	0.08	0.75%
QC value within limits for Al 396.153 Recovery = 103.37%								
As 188.979†	438.3	0.397	mg/L	0.0069	0.397	mg/L	0.0069	1.72%
QC value within limits for As 188.979 Recovery = 99.31%								
Ba 233.527†	57054.1	0.968	mg/L	0.0103	0.968	mg/L	0.0103	1.06%
QC value within limits for Ba 233.527 Recovery = 96.82%								
Be 234.861†	29694.6	0.0513	mg/L	0.00034	0.0513	mg/L	0.00034	0.66%
QC value within limits for Be 234.861 Recovery = 102.56%								
B 249.677†	26349.0	0.505	mg/L	0.0025	0.505	mg/L	0.0025	0.50%
QC value within limits for B 249.677 Recovery = 101.07%								
Ca 227.546†	1061.7	10.3	mg/L	0.06	10.3	mg/L	0.06	0.55%
QC value within limits for Ca 227.546 Recovery = 102.69%								
Cd 228.802†	892.5	0.0491	mg/L	0.00024	0.0491	mg/L	0.00024	0.49%
QC value within limits for Cd 228.802 Recovery = 98.22%								
Co 228.616†	3750.5	0.190	mg/L	0.0035	0.190	mg/L	0.0035	1.83%
QC value within limits for Co 228.616 Recovery = 95.03%								
Cr 267.716†	54517.5	0.482	mg/L	0.0059	0.482	mg/L	0.0059	1.23%
QC value within limits for Cr 267.716 Recovery = 96.31%								
Cu 327.393†	72317.2	0.503	mg/L	0.0024	0.503	mg/L	0.0024	0.48%
QC value within limits for Cu 327.393 Recovery = 100.62%								
Fe 239.562†	1758.8	3.81	mg/L	0.091	3.81	mg/L	0.091	2.40%
QC value within limits for Fe 239.562 Recovery = 95.22%								
Mg 279.077†	7890.1	9.61	mg/L	0.161	9.61	mg/L	0.161	1.68%
QC value within limits for Mg 279.077 Recovery = 96.06%								
Mn 257.610†	214700.3	0.489	mg/L	0.0053	0.489	mg/L	0.0053	1.09%
QC value within limits for Mn 257.610 Recovery = 97.71%								
Mo 202.031†	13322.7	0.996	mg/L	0.0160	0.996	mg/L	0.0160	1.60%
QC value within limits for Mo 202.031 Recovery = 99.64%								
Ni 231.604†	16630.8	0.484	mg/L	0.0031	0.484	mg/L	0.0031	0.64%
QC value within limits for Ni 231.604 Recovery = 96.80%								
Pb 220.353†	2881.2	0.492	mg/L	0.0071	0.492	mg/L	0.0071	1.44%
QC value within limits for Pb 220.353 Recovery = 98.30%								
Sb 206.836†	1931.9	1.24	mg/L	0.016	1.24	mg/L	0.016	1.30%
QC value within limits for Sb 206.836 Recovery = 103.52%								
Se 196.026†	567.7	0.407	mg/L	0.0069	0.407	mg/L	0.0069	1.70%
QC value within limits for Se 196.026 Recovery = 101.66%								
Si 251.611†	171856.4	5.01	mg/L	0.027	5.01	mg/L	0.027	0.54%
QC value within limits for Si 251.611 Recovery = 100.24%								
Sn 189.927†	5647.2	0.974	mg/L	0.0155	0.974	mg/L	0.0155	1.59%
QC value within limits for Sn 189.927 Recovery = 97.38%								
Ti 334.940†	702784.8	0.966	mg/L	0.0047	0.966	mg/L	0.0047	0.48%
QC value within limits for Ti 334.940 Recovery = 96.63%								
Tl 190.801†	826.5	0.500	mg/L	0.0060	0.500	mg/L	0.0060	1.20%
QC value within limits for Tl 190.801 Recovery = 100.05%								
V 290.880†	142596.3	0.955	mg/L	0.0105	0.955	mg/L	0.0105	1.10%
QC value within limits for V 290.880 Recovery = 95.51%								
Zn 206.200†	32107.2	0.974	mg/L	0.0102	0.974	mg/L	0.0102	1.04%
QC value within limits for Zn 206.200 Recovery = 97.41%								
K 766.490†	131851.2	50.7	mg/L	0.17	50.7	mg/L	0.17	0.33%
QC value within limits for K 766.490 Recovery = 101.32%								
Na 589.592†	684668.2	50.7	mg/L	0.92	50.7	mg/L	0.92	1.82%
QC value within limits for Na 589.592 Recovery = 101.39%								
Sr 407.771†	984461.5	0.964	mg/L	0.0772	0.964	mg/L	0.0772	8.01%
QC value within limits for Sr 407.771 Recovery = 96.39%								
Li 670.784†	81524.3	1.02	mg/L	0.009	1.02	mg/L	0.009	0.93%
QC value within limits for Li 670.784 Recovery = 101.63%								

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location:** 1
Sample ID: CCB **Date Collected:** 2/18/2011 4:24:24 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4981279.2						40626.84	0.82%
YRADIAL	299860.9						6971.26	2.32%
Ga 417.206	1339799.3						5253.41	0.39%
GaRADIAL	65802.1						1190.21	1.81%
Ag 328.068†	-88.6	-0.00001	mg/L	0.000675	-0.00001	mg/L	0.000675	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	29.3	-0.00111	mg/L	0.006927	-0.00111	mg/L	0.006927	623.10%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.7	0.00067	mg/L	0.001623	0.00067	mg/L	0.001623	240.96%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-2.2	-0.00023	mg/L	0.000036	-0.00023	mg/L	0.000036	15.66%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-32.5	-0.00006	mg/L	0.000008	-0.00006	mg/L	0.000008	12.57%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	30.1	0.00224	mg/L	0.000070	0.00224	mg/L	0.000070	3.11%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	4.3	-0.0127	mg/L	0.05616	-0.0127	mg/L	0.05616	442.21%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	-1.6	0.00005	mg/L	0.000089	0.00005	mg/L	0.000089	172.77%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.1	0.00025	mg/L	0.000121	0.00025	mg/L	0.000121	49.08%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	9.9	-0.00039	mg/L	0.000139	-0.00039	mg/L	0.000139	35.44%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	67.5	0.00017	mg/L	0.000439	0.00017	mg/L	0.000439	259.74%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	1.1	-0.00157	mg/L	0.006247	-0.00157	mg/L	0.006247	397.88%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-6.0	-0.0110	mg/L	0.00755	-0.0110	mg/L	0.00755	68.62%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	0.3	-0.00027	mg/L	0.000016	-0.00027	mg/L	0.000016	5.77%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.5	-0.00013	mg/L	0.000432	-0.00013	mg/L	0.000432	344.42%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-8.6	-0.00020	mg/L	0.000424	-0.00020	mg/L	0.000424	216.72%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.2	0.00107	mg/L	0.000988	0.00107	mg/L	0.000988	92.39%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.2	0.00131	mg/L	0.002755	0.00131	mg/L	0.002755	210.28%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.6	-0.00298	mg/L	0.000312	-0.00298	mg/L	0.000312	10.48%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	35.8	0.00056	mg/L	0.000295	0.00056	mg/L	0.000295	52.94%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-1.3	-0.00108	mg/L	0.000725	-0.00108	mg/L	0.000725	67.18%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	86.3	0.00008	mg/L	0.000048	0.00008	mg/L	0.000048	59.20%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	2.6	0.00200	mg/L	0.001192	0.00200	mg/L	0.001192	59.69%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-208.1	-0.00016	mg/L	0.000244	-0.00016	mg/L	0.000244	149.84%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	5.7	-0.00018	mg/L	0.000079	-0.00018	mg/L	0.000079	43.95%
QC value within limits for Zn 206.200 Recovery = Not calculated								
K 766.490†	92.9	0.0534	mg/L	0.02078	0.0534	mg/L	0.02078	38.91%
QC value within limits for K 766.490 Recovery = Not calculated								

Na 589.592†	-396.4	-0.0255 mg/L	0.00571	-0.0255 mg/L	0.00571	22.39%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Sr 407.771†	103.6	-0.00017 mg/L	0.000009	-0.00017 mg/L	0.000009	5.22%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Li 670.784†	-69.6	0.00008 mg/L	0.001972	0.00008 mg/L	0.001972	>999.9%	
QC value within limits for Li 670.784 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 56**
Sample ID: PBW 6R WG356895-02 **Date Collected: 2/18/2011 4:31:01 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW 6R WG356895-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: PBW 6R WG356895-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4992065.0						30589.97	0.61%
YRADIAL	304880.1						10572.56	3.47%
Ga 417.206	1357340.9						8756.63	0.65%
GaRADIAL	66933.7						2027.95	3.03%
Ag 328.068†	-214.8	-0.00064	mg/L	0.000643	-0.00064	mg/L	0.000643	101.00%
Al 396.153†	36.0	0.00025	mg/L	0.011414	0.00025	mg/L	0.011414	>999.9%
As 188.979†	-2.7	-0.00248	mg/L	0.000469	-0.00248	mg/L	0.000469	18.93%
Ba 233.527†	2.4	-0.00015	mg/L	0.000055	-0.00015	mg/L	0.000055	36.38%
Be 234.861†	-26.3	-0.00005	mg/L	0.000010	-0.00005	mg/L	0.000010	18.86%
B 249.677†	-30.7	0.00109	mg/L	0.000078	0.00109	mg/L	0.000078	7.14%
Ca 227.546†	3.5	-0.0196	mg/L	0.03202	-0.0196	mg/L	0.03202	163.12%
Cd 228.802†	1.0	0.00021	mg/L	0.000145	0.00021	mg/L	0.000145	68.12%
Co 228.616†	-2.7	0.00000	mg/L	0.000177	0.00000	mg/L	0.000177	>999.9%
Cr 267.716†	0.2	-0.00048	mg/L	0.000093	-0.00048	mg/L	0.000093	19.57%
Cu 327.393†	37.4	-0.00004	mg/L	0.000310	-0.00004	mg/L	0.000310	798.81%
Fe 239.562†	1.9	0.00024	mg/L	0.004189	0.00024	mg/L	0.004189	>999.9%
Mg 279.077†	-4.8	-0.00954	mg/L	0.003379	-0.00954	mg/L	0.003379	35.41%
Mn 257.610†	15.3	-0.00024	mg/L	0.000013	-0.00024	mg/L	0.000013	5.51%
Mo 202.031†	-10.0	-0.00069	mg/L	0.000153	-0.00069	mg/L	0.000153	22.35%
Ni 231.604†	-0.4	0.00004	mg/L	0.000166	0.00004	mg/L	0.000166	383.89%
Pb 220.353†	-6.8	-0.00114	mg/L	0.001016	-0.00114	mg/L	0.001016	89.23%
Sb 206.836†	-2.9	-0.00072	mg/L	0.003106	-0.00072	mg/L	0.003106	432.83%
Se 196.026†	-0.1	-0.00261	mg/L	0.003978	-0.00261	mg/L	0.003978	152.62%
Si 251.611†	173.3	0.00459	mg/L	0.000553	0.00459	mg/L	0.000553	12.04%
Sn 189.927†	2.0	-0.00051	mg/L	0.000298	-0.00051	mg/L	0.000298	58.44%
Ti 334.940†	183.6	0.00022	mg/L	0.000041	0.00022	mg/L	0.000041	19.23%
Tl 190.801†	0.4	0.00070	mg/L	0.002522	0.00070	mg/L	0.002522	358.93%
V 290.880†	-174.8	0.00006	mg/L	0.000403	0.00006	mg/L	0.000403	652.97%
Zn 206.200†	63.2	0.00156	mg/L	0.000151	0.00156	mg/L	0.000151	9.64%
K 766.490†	-70.7	-0.00849	mg/L	0.041528	-0.00849	mg/L	0.041528	489.35%
Na 589.592†	-713.6	-0.0484	mg/L	0.01319	-0.0484	mg/L	0.01319	27.28%
Sr 407.771†	46.5	-0.00023	mg/L	0.000058	-0.00023	mg/L	0.000058	25.13%
Li 670.784†	-128.3	-0.00065	mg/L	0.001788	-0.00065	mg/L	0.001788	273.83%

Sequence No.: 8 **Autosampler Location: 57**
Sample ID: LCSW 6R WG356895-03 **Date Collected: 2/18/2011 4:37:38 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 6R WG356895-03

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LCSW 6R WG356895-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	4951235.4						37652.96	0.76%
YRADIAL	304252.4						2589.28	0.85%
Ga 417.206	1361257.6						12006.21	0.88%
GaRADIAL	66770.7						1064.41	1.59%
Ag 328.068†	40290.8	0.201	mg/L	0.0021	0.201	mg/L	0.0021	1.03%
Al 396.153†	25595.2	5.12	mg/L	0.011	5.12	mg/L	0.011	0.21%
As 188.979†	215.5	0.195	mg/L	0.0022	0.195	mg/L	0.0022	1.13%
Ba 233.527†	28645.2	0.486	mg/L	0.0051	0.486	mg/L	0.0051	1.04%
Be 234.861†	14753.9	0.0255	mg/L	0.00010	0.0255	mg/L	0.00010	0.38%
B 249.677†	53232.4	1.01	mg/L	0.011	1.01	mg/L	0.011	1.11%
Ca 227.546†	525.3	5.06	mg/L	0.037	5.06	mg/L	0.037	0.74%
Cd 228.802†	435.1	0.0240	mg/L	0.00026	0.0240	mg/L	0.00026	1.06%
Co 228.616†	1850.9	0.0938	mg/L	0.00088	0.0938	mg/L	0.00088	0.94%
Cr 267.716†	27160.3	0.240	mg/L	0.0015	0.240	mg/L	0.0015	0.63%
Cu 327.393†	36627.4	0.255	mg/L	0.0028	0.255	mg/L	0.0028	1.09%
Fe 239.562†	874.7	1.89	mg/L	0.027	1.89	mg/L	0.027	1.40%
Mg 279.077†	3978.3	4.84	mg/L	0.041	4.84	mg/L	0.041	0.85%
Mn 257.610†	109139.1	0.248	mg/L	0.0020	0.248	mg/L	0.0020	0.81%
Mo 202.031†	6516.1	0.487	mg/L	0.0071	0.487	mg/L	0.0071	1.46%
Ni 231.604†	8296.1	0.241	mg/L	0.0030	0.241	mg/L	0.0030	1.23%
Pb 220.353†	1421.1	0.242	mg/L	0.0022	0.242	mg/L	0.0022	0.91%
Sb 206.836†	955.0	0.615	mg/L	0.0055	0.615	mg/L	0.0055	0.90%
Se 196.026†	280.5	0.200	mg/L	0.0013	0.200	mg/L	0.0013	0.65%
Si 251.611†	89472.2	2.61	mg/L	0.027	2.61	mg/L	0.027	1.05%
Sn 189.927†	2998.8	0.517	mg/L	0.0037	0.517	mg/L	0.0037	0.73%
Ti 334.940†	351219.8	0.483	mg/L	0.0019	0.483	mg/L	0.0019	0.40%
Tl 190.801†	414.7	0.251	mg/L	0.0012	0.251	mg/L	0.0012	0.50%
V 290.880†	71130.9	0.477	mg/L	0.0047	0.477	mg/L	0.0047	0.99%
Zn 206.200†	15816.0	0.480	mg/L	0.0028	0.480	mg/L	0.0028	0.59%
K 766.490†	65585.9	25.0	mg/L	0.05	25.0	mg/L	0.05	0.22%
Na 589.592†	345175.0	25.2	mg/L	0.41	25.2	mg/L	0.41	1.64%
Sr 407.771†	491969.2	0.482	mg/L	0.0501	0.482	mg/L	0.0501	10.39%
Li 670.784†	40904.3	0.510	mg/L	0.0018	0.510	mg/L	0.0018	0.35%

Sequence No.: 9 **Autosampler Location: 58**
Sample ID: L1102044705 WG356895-01 **Date Collected: 2/18/2011 4:44:28 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705 WG356895-01

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102044705 WG356895-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5115586.2						26642.31	0.52%
YRADIAL	312206.0						9986.35	3.20%
Ga 417.206	1392308.3						10617.64	0.76%
GaRADIAL	67942.7						1416.32	2.08%
Ag 328.068†	-265.1	-0.00089	mg/L	0.000624	-0.00089	mg/L	0.000624	70.35%
Al 396.153†	33.1	-0.00035	mg/L	0.002670	-0.00035	mg/L	0.002670	754.66%
As 188.979†	-0.6	-0.00053	mg/L	0.001498	-0.00053	mg/L	0.001498	280.07%
Ba 233.527†	5.6	-0.00010	mg/L	0.000091	-0.00010	mg/L	0.000091	93.18%
Be 234.861†	-22.0	-0.00005	mg/L	0.000020	-0.00005	mg/L	0.000020	43.80%
B 249.677†	50.1	0.00262	mg/L	0.000124	0.00262	mg/L	0.000124	4.73%
Ca 227.546†	8.3	0.0258	mg/L	0.06645	0.0258	mg/L	0.06645	257.65%
Cd 228.802†	0.9	0.00020	mg/L	0.000178	0.00020	mg/L	0.000178	88.90%
Co 228.616†	6.7	0.00048	mg/L	0.000245	0.00048	mg/L	0.000245	50.60%
Cr 267.716†	54.4	0.00000	mg/L	0.000033	0.00000	mg/L	0.000033	>999.9%
Cu 327.393†	146.4	0.00072	mg/L	0.000496	0.00072	mg/L	0.000496	69.22%
Fe 239.562†	1.9	0.00024	mg/L	0.002853	0.00024	mg/L	0.002853	>999.9%
Mg 279.077†	0.6	-0.00300	mg/L	0.005269	-0.00300	mg/L	0.005269	175.36%
Mn 257.610†	17.1	-0.00023	mg/L	0.000011	-0.00023	mg/L	0.000011	4.63%
Mo 202.031†	-2.4	-0.00012	mg/L	0.000082	-0.00012	mg/L	0.000082	70.78%
Ni 231.604†	2.0	0.00012	mg/L	0.000250	0.00012	mg/L	0.000250	216.42%
Pb 220.353†	-2.7	-0.00044	mg/L	0.002654	-0.00044	mg/L	0.002654	596.85%
Sb 206.836†	-2.8	-0.00063	mg/L	0.001676	-0.00063	mg/L	0.001676	266.31%

Se 196.026†	1.2	-0.00171	mg/L	0.002336	-0.00171	mg/L	0.002336 136.67%
Si 251.611†	61.1	0.00130	mg/L	0.000188	0.00130	mg/L	0.000188 14.48%
Sn 189.927†	1.4	-0.00061	mg/L	0.000140	-0.00061	mg/L	0.000140 22.98%
Ti 334.940†	126.2	0.00014	mg/L	0.000166	0.00014	mg/L	0.000166 121.42%
Tl 190.801†	-1.1	-0.00018	mg/L	0.000932	-0.00018	mg/L	0.000932 514.16%
V 290.880†	-211.5	-0.00018	mg/L	0.000665	-0.00018	mg/L	0.000665 360.43%
Zn 206.200†	55.2	0.00132	mg/L	0.000025	0.00132	mg/L	0.000025 1.90%
K 766.490†	36.2	0.0320	mg/L	0.02559	0.0320	mg/L	0.02559 80.06%
Na 589.592†	-521.4	-0.0345	mg/L	0.01112	-0.0345	mg/L	0.01112 32.21%
Sr 407.771†	90.1	-0.00019	mg/L	0.000075	-0.00019	mg/L	0.000075 40.13%
Li 670.784†	-39.6	0.00045	mg/L	0.000892	0.00045	mg/L	0.000892 197.13%

Sequence No.: 10 **Autosampler Location: 59**
Sample ID: L1102044705S WG356895-04 **Date Collected: 2/18/2011 4:51:07 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705S WG356895-04

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102044705S WG356895-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4874560.4						54187.96	1.11%
YRADIAL	305445.5						1985.85	0.65%
Ga 417.206	1341732.9						26599.33	1.98%
GaRADIAL	66535.2						1642.17	2.47%
Ag 328.068†	40232.8	0.201	mg/L	0.0031	0.201	mg/L	0.0031	1.56%
Al 396.153†	26175.7	5.23	mg/L	0.018	5.23	mg/L	0.018	0.34%
As 188.979†	220.6	0.200	mg/L	0.0041	0.200	mg/L	0.0041	2.07%
Ba 233.527†	28572.0	0.485	mg/L	0.0041	0.485	mg/L	0.0041	0.84%
Be 234.861†	14753.6	0.0255	mg/L	0.00032	0.0255	mg/L	0.00032	1.25%
B 249.677†	52972.2	1.01	mg/L	0.017	1.01	mg/L	0.017	1.66%
Ca 227.546†	536.9	5.17	mg/L	0.098	5.17	mg/L	0.098	1.89%
Cd 228.802†	447.2	0.0247	mg/L	0.00026	0.0247	mg/L	0.00026	1.04%
Co 228.616†	1895.0	0.0961	mg/L	0.00083	0.0961	mg/L	0.00083	0.87%
Cr 267.716†	27321.9	0.241	mg/L	0.0021	0.241	mg/L	0.0021	0.87%
Cu 327.393†	36446.2	0.253	mg/L	0.0047	0.253	mg/L	0.0047	1.86%
Fe 239.562†	869.3	1.88	mg/L	0.041	1.88	mg/L	0.041	2.19%
Mg 279.077†	3967.3	4.83	mg/L	0.061	4.83	mg/L	0.061	1.26%
Mn 257.610†	108132.7	0.246	mg/L	0.0021	0.246	mg/L	0.0021	0.86%
Mo 202.031†	6472.7	0.484	mg/L	0.0056	0.484	mg/L	0.0056	1.15%
Ni 231.604†	8377.6	0.244	mg/L	0.0019	0.244	mg/L	0.0019	0.78%
Pb 220.353†	1451.7	0.248	mg/L	0.0023	0.248	mg/L	0.0023	0.93%
Sb 206.836†	973.7	0.627	mg/L	0.0137	0.627	mg/L	0.0137	2.19%
Se 196.026†	286.7	0.204	mg/L	0.0007	0.204	mg/L	0.0007	0.32%
Si 251.611†	88732.6	2.59	mg/L	0.049	2.59	mg/L	0.049	1.88%
Sn 189.927†	3002.5	0.517	mg/L	0.0051	0.517	mg/L	0.0051	0.99%
Ti 334.940†	359760.3	0.495	mg/L	0.0017	0.495	mg/L	0.0017	0.35%
Tl 190.801†	427.0	0.259	mg/L	0.0052	0.259	mg/L	0.0052	2.03%
V 290.880†	71193.0	0.477	mg/L	0.0055	0.477	mg/L	0.0055	1.16%
Zn 206.200†	15840.9	0.480	mg/L	0.0035	0.480	mg/L	0.0035	0.73%
K 766.490†	66679.0	25.4	mg/L	0.11	25.4	mg/L	0.11	0.42%
Na 589.592†	348790.4	25.5	mg/L	0.63	25.5	mg/L	0.63	2.47%
Sr 407.771†	495864.9	0.485	mg/L	0.0444	0.485	mg/L	0.0444	9.14%
Li 670.784†	41741.4	0.521	mg/L	0.0024	0.521	mg/L	0.0024	0.45%

Sequence No.: 11 **Autosampler Location: 60**
Sample ID: L1102044705SD WG356895-05 **Date Collected: 2/18/2011 4:57:51 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705SD WG356895-05

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102044705SD WG356895-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4838182.9						40711.61	0.84%
YRADIAL	305522.9						2215.75	0.73%
Ga 417.206	1346042.9						14635.13	1.09%
GaRADIAL	66150.0						1190.45	1.80%
Ag 328.068†	40618.5	0.203	mg/L	0.0018	0.203	mg/L	0.0018	0.89%
Al 396.153†	26238.5	5.25	mg/L	0.028	5.25	mg/L	0.028	0.53%
As 188.979†	215.1	0.195	mg/L	0.0024	0.195	mg/L	0.0024	1.22%
Ba 233.527†	29317.5	0.497	mg/L	0.0003	0.497	mg/L	0.0003	0.06%
Be 234.861†	14917.6	0.0258	mg/L	0.00032	0.0258	mg/L	0.00032	1.24%
B 249.677†	53404.2	1.01	mg/L	0.012	1.01	mg/L	0.012	1.15%
Ca 227.546†	525.5	5.06	mg/L	0.101	5.06	mg/L	0.101	1.99%
Cd 228.802†	444.8	0.0246	mg/L	0.00057	0.0246	mg/L	0.00057	2.31%
Co 228.616†	1893.1	0.0960	mg/L	0.00073	0.0960	mg/L	0.00073	0.76%
Cr 267.716†	27809.3	0.245	mg/L	0.0022	0.245	mg/L	0.0022	0.91%
Cu 327.393†	36905.1	0.257	mg/L	0.0019	0.257	mg/L	0.0019	0.74%
Fe 239.562†	857.0	1.85	mg/L	0.034	1.85	mg/L	0.034	1.81%
Mg 279.077†	3917.4	4.77	mg/L	0.056	4.77	mg/L	0.056	1.17%
Mn 257.610†	110389.0	0.251	mg/L	0.0005	0.251	mg/L	0.0005	0.19%
Mo 202.031†	6622.6	0.495	mg/L	0.0042	0.495	mg/L	0.0042	0.85%
Ni 231.604†	8459.4	0.246	mg/L	0.0028	0.246	mg/L	0.0028	1.12%
Pb 220.353†	1458.7	0.249	mg/L	0.0017	0.249	mg/L	0.0017	0.68%
Sb 206.836†	965.7	0.622	mg/L	0.0056	0.622	mg/L	0.0056	0.91%
Se 196.026†	282.0	0.201	mg/L	0.0035	0.201	mg/L	0.0035	1.73%
Si 251.611†	89355.8	2.61	mg/L	0.027	2.61	mg/L	0.027	1.04%
Sn 189.927†	2978.7	0.513	mg/L	0.0048	0.513	mg/L	0.0048	0.93%
Ti 334.940†	354846.4	0.488	mg/L	0.0032	0.488	mg/L	0.0032	0.66%
Tl 190.801†	423.5	0.256	mg/L	0.0015	0.256	mg/L	0.0015	0.58%
V 290.880†	72739.3	0.488	mg/L	0.0026	0.488	mg/L	0.0026	0.53%
Zn 206.200†	16096.6	0.488	mg/L	0.0024	0.488	mg/L	0.0024	0.48%
K 766.490†	65960.7	25.1	mg/L	0.23	25.1	mg/L	0.23	0.93%
Na 589.592†	347542.8	25.4	mg/L	0.25	25.4	mg/L	0.25	1.00%
Sr 407.771†	483665.7	0.473	mg/L	0.0382	0.473	mg/L	0.0382	8.06%
Li 670.784†	41353.9	0.516	mg/L	0.0023	0.516	mg/L	0.0023	0.44%

Sequence No.: 12 **Autosampler Location: 61**
Sample ID: L1102045301 **Date Collected: 2/18/2011 5:04:31 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102045301

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102045301

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5024587.9						41902.18	0.83%
YRADIAL	311294.9						3983.93	1.28%
Ga 417.206	1363411.2						13691.37	1.00%
GaRADIAL	67523.1						1261.90	1.87%
Ag 328.068†	-130.6	-0.00022	mg/L	0.000557	-0.00022	mg/L	0.000557	254.76%
Al 396.153†	85.2	0.0101	mg/L	0.00578	0.0101	mg/L	0.00578	57.19%
As 188.979†	3.2	0.00299	mg/L	0.002326	0.00299	mg/L	0.002326	77.77%
Ba 233.527†	14.2	0.00005	mg/L	0.000123	0.00005	mg/L	0.000123	255.50%
Be 234.861†	-29.0	-0.00006	mg/L	0.000024	-0.00006	mg/L	0.000024	40.78%
B 249.677†	2650.7	0.0518	mg/L	0.00101	0.0518	mg/L	0.00101	1.95%
Ca 227.546†	3.9	-0.0159	mg/L	0.01786	-0.0159	mg/L	0.01786	112.30%
Cd 228.802†	0.1	0.00013	mg/L	0.000135	0.00013	mg/L	0.000135	104.53%
Co 228.616†	1.0	0.00019	mg/L	0.000338	0.00019	mg/L	0.000338	180.63%
Cr 267.716†	34.0	-0.00018	mg/L	0.000098	-0.00018	mg/L	0.000098	54.93%
Cu 327.393†	657.7	0.00427	mg/L	0.000978	0.00427	mg/L	0.000978	22.92%
Fe 239.562†	5.3	0.00769	mg/L	0.002194	0.00769	mg/L	0.002194	28.53%
Mg 279.077†	0.4	-0.00323	mg/L	0.000854	-0.00323	mg/L	0.000854	26.46%
Mn 257.610†	379.2	0.00061	mg/L	0.000018	0.00061	mg/L	0.000018	3.03%

Mo 202.031†	-4.7	-0.00028	mg/L	0.000247	-0.00028	mg/L	0.000247 87.07%
Ni 231.604†	6.1	0.00023	mg/L	0.000271	0.00023	mg/L	0.000271 116.09%
Pb 220.353†	-3.9	-0.00064	mg/L	0.001113	-0.00064	mg/L	0.001113 173.42%
Sb 206.836†	-0.1	0.00109	mg/L	0.000461	0.00109	mg/L	0.000461 42.31%
Se 196.026†	0.8	-0.00198	mg/L	0.002970	-0.00198	mg/L	0.002970 149.85%
Si 251.611†	2635.1	0.0766	mg/L	0.00055	0.0766	mg/L	0.00055 0.72%
Sn 189.927†	1.9	-0.00051	mg/L	0.000508	-0.00051	mg/L	0.000508 99.14%
Ti 334.940†	197.7	0.00023	mg/L	0.000215	0.00023	mg/L	0.000215 91.63%
Tl 190.801†	0.9	0.00097	mg/L	0.004429	0.00097	mg/L	0.004429 455.12%
V 290.880†	-93.5	0.00061	mg/L	0.000448	0.00061	mg/L	0.000448 74.03%
Zn 206.200†	101.2	0.00271	mg/L	0.000031	0.00271	mg/L	0.000031 1.14%
K 766.490†	241.5	0.109	mg/L	0.0263	0.109	mg/L	0.0263 24.10%
Na 589.592†	4481.5	0.326	mg/L	0.0102	0.326	mg/L	0.0102 3.12%
Sr 407.771†	174.9	-0.00011	mg/L	0.000045	-0.00011	mg/L	0.000045 42.13%
Li 670.784†	-214.9	-0.00173	mg/L	0.001295	-0.00173	mg/L	0.001295 74.79%

Sequence No.: 13 **Autosampler Location: 62**
Sample ID: L1102045301PS WG356956-01 **Date Collected: 2/18/2011 5:11:12 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102045301PS WG356956-01

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102045301PS WG356956-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4959272.9						16631.63	0.34%
YRADIAL	304784.4						5929.62	1.95%
Ga 417.206	1352383.1						13132.70	0.97%
GaRADIAL	66049.3						1525.89	2.31%
Ag 328.068†	40071.4	0.200	mg/L	0.0025	0.200	mg/L	0.0025	1.24%
Al 396.153†	25853.5	5.17	mg/L	0.028	5.17	mg/L	0.028	0.55%
As 188.979†	214.8	0.195	mg/L	0.0018	0.195	mg/L	0.0018	0.92%
Ba 233.527†	28282.7	0.480	mg/L	0.0024	0.480	mg/L	0.0024	0.51%
Be 234.861†	14680.1	0.0253	mg/L	0.00023	0.0253	mg/L	0.00023	0.89%
B 249.677†	55196.1	1.05	mg/L	0.013	1.05	mg/L	0.013	1.21%
Ca 227.546†	531.0	5.11	mg/L	0.079	5.11	mg/L	0.079	1.54%
Cd 228.802†	434.5	0.0240	mg/L	0.00027	0.0240	mg/L	0.00027	1.11%
Co 228.616†	1846.8	0.0937	mg/L	0.00064	0.0937	mg/L	0.00064	0.68%
Cr 267.716†	26744.4	0.236	mg/L	0.0012	0.236	mg/L	0.0012	0.51%
Cu 327.393†	36738.1	0.255	mg/L	0.0040	0.255	mg/L	0.0040	1.55%
Fe 239.562†	870.3	1.88	mg/L	0.030	1.88	mg/L	0.030	1.59%
Mg 279.077†	3951.2	4.81	mg/L	0.071	4.81	mg/L	0.071	1.47%
Mn 257.610†	107854.0	0.245	mg/L	0.0010	0.245	mg/L	0.0010	0.41%
Mo 202.031†	6383.4	0.477	mg/L	0.0055	0.477	mg/L	0.0055	1.14%
Ni 231.604†	8202.0	0.239	mg/L	0.0018	0.239	mg/L	0.0018	0.76%
Pb 220.353†	1417.0	0.242	mg/L	0.0011	0.242	mg/L	0.0011	0.43%
Sb 206.836†	955.7	0.615	mg/L	0.0063	0.615	mg/L	0.0063	1.03%
Se 196.026†	280.4	0.200	mg/L	0.0045	0.200	mg/L	0.0045	2.24%
Si 251.611†	90980.8	2.65	mg/L	0.037	2.65	mg/L	0.037	1.38%
Sn 189.927†	-8.0	-0.00224	mg/L	0.000479	-0.00224	mg/L	0.000479	21.40%
Ti 334.940†	344505.4	0.474	mg/L	0.0018	0.474	mg/L	0.0018	0.38%
Tl 190.801†	412.2	0.250	mg/L	0.0011	0.250	mg/L	0.0011	0.46%
V 290.880†	70091.0	0.470	mg/L	0.0012	0.470	mg/L	0.0012	0.26%
Zn 206.200†	15669.2	0.475	mg/L	0.0010	0.475	mg/L	0.0010	0.20%
K 766.490†	65127.3	24.8	mg/L	0.11	24.8	mg/L	0.11	0.43%
Na 589.592†	345748.1	25.3	mg/L	0.20	25.3	mg/L	0.20	0.78%
Sr 407.771†	475957.8	0.466	mg/L	0.0384	0.466	mg/L	0.0384	8.24%
Li 670.784†	40694.0	0.508	mg/L	0.0040	0.508	mg/L	0.0040	0.80%

Sequence No.: 14 **Autosampler Location: 63**
Sample ID: L1102045301DL WG356956-02 **Date Collected: 2/18/2011 5:17:51 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102045301DL WG356956-02

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102045301DL WG356956-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5090640.1						26847.29	0.53%
YRADIAL	302325.9						2235.94	0.74%
Ga 417.206	1360079.8						15489.28	1.14%
GaRADIAL	65490.9						799.57	1.22%
Ag 328.068†	-88.2	-0.00001	mg/L	0.001028	-0.00001	mg/L	0.001028	>999.9%
Al 396.153†	40.7	0.00118	mg/L	0.032500	0.00118	mg/L	0.032500	>999.9%
As 188.979†	-1.0	-0.00087	mg/L	0.002278	-0.00087	mg/L	0.002278	260.82%
Ba 233.527†	7.2	-0.00007	mg/L	0.000098	-0.00007	mg/L	0.000098	137.49%
Be 234.861†	-19.0	-0.00004	mg/L	0.000027	-0.00004	mg/L	0.000027	64.88%
B 249.677†	849.0	0.0177	mg/L	0.00110	0.0177	mg/L	0.00110	6.20%
Ca 227.546†	1.7	-0.0373	mg/L	0.05031	-0.0373	mg/L	0.05031	135.05%
Cd 228.802†	0.7	0.00019	mg/L	0.000226	0.00019	mg/L	0.000226	118.91%
Co 228.616†	0.2	0.00015	mg/L	0.000223	0.00015	mg/L	0.000223	148.31%
Cr 267.716†	8.5	-0.00040	mg/L	0.000028	-0.00040	mg/L	0.000028	7.05%
Cu 327.393†	135.3	0.00064	mg/L	0.000712	0.00064	mg/L	0.000712	111.16%
Fe 239.562†	2.5	0.00151	mg/L	0.001989	0.00151	mg/L	0.001989	131.91%
Mg 279.077†	-5.3	-0.0102	mg/L	0.00104	-0.0102	mg/L	0.00104	10.23%
Mn 257.610†	106.8	-0.00002	mg/L	0.000004	-0.00002	mg/L	0.000004	16.41%
Mo 202.031†	-4.4	-0.00026	mg/L	0.000245	-0.00026	mg/L	0.000245	93.70%
Ni 231.604†	-5.9	-0.00012	mg/L	0.000124	-0.00012	mg/L	0.000124	106.09%
Pb 220.353†	-0.3	-0.00003	mg/L	0.000634	-0.00003	mg/L	0.000634	>999.9%
Sb 206.836†	-1.6	0.00012	mg/L	0.000500	0.00012	mg/L	0.000500	430.56%
Se 196.026†	-5.1	-0.00619	mg/L	0.003645	-0.00619	mg/L	0.003645	58.84%
Si 251.611†	601.4	0.0171	mg/L	0.00060	0.0171	mg/L	0.00060	3.50%
Sn 189.927†	1.1	-0.00067	mg/L	0.000391	-0.00067	mg/L	0.000391	58.74%
Ti 334.940†	163.8	0.00019	mg/L	0.000147	0.00019	mg/L	0.000147	78.44%
Tl 190.801†	0.8	0.00093	mg/L	0.000650	0.00093	mg/L	0.000650	69.78%
V 290.880†	-191.1	-0.00005	mg/L	0.001157	-0.00005	mg/L	0.001157	>999.9%
Zn 206.200†	68.8	0.00173	mg/L	0.000090	0.00173	mg/L	0.000090	5.21%
K 766.490†	22.0	0.0265	mg/L	0.01606	0.0265	mg/L	0.01606	60.66%
Na 589.592†	750.0	0.0572	mg/L	0.01294	0.0572	mg/L	0.01294	22.61%
Sr 407.771†	12.1	-0.00026	mg/L	0.000043	-0.00026	mg/L	0.000043	16.16%
Li 670.784†	-148.1	-0.00090	mg/L	0.000935	-0.00090	mg/L	0.000935	104.11%

Sequence No.: 15 **Autosampler Location: 64**
Sample ID: L1102045302 **Date Collected: 2/18/2011 5:24:29 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102045302

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102045302

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5095659.2						82036.99	1.61%
YRADIAL	315075.9						4873.82	1.55%
Ga 417.206	1387141.2						35394.15	2.55%
GaRADIAL	68331.4						610.91	0.89%
Ag 328.068†	-141.9	-0.00028	mg/L	0.000791	-0.00028	mg/L	0.000791	282.67%
Al 396.153†	253.3	0.0438	mg/L	0.00289	0.0438	mg/L	0.00289	6.59%
As 188.979†	2.9	0.00268	mg/L	0.002108	0.00268	mg/L	0.002108	78.54%
Ba 233.527†	51.3	0.00067	mg/L	0.000114	0.00067	mg/L	0.000114	16.94%
Be 234.861†	-20.5	-0.00005	mg/L	0.000002	-0.00005	mg/L	0.000002	3.43%
B 249.677†	3004.5	0.0586	mg/L	0.00150	0.0586	mg/L	0.00150	2.56%
Ca 227.546†	5.3	-0.00267	mg/L	0.035016	-0.00267	mg/L	0.035016	>999.9%
Cd 228.802†	0.9	0.00018	mg/L	0.000237	0.00018	mg/L	0.000237	134.74%
Co 228.616†	3.0	0.00029	mg/L	0.000169	0.00029	mg/L	0.000169	58.42%
Cr 267.716†	60.3	0.00005	mg/L	0.000146	0.00005	mg/L	0.000146	280.25%

Cu 327.393†	3822.8	0.0262	mg/L	0.00083	0.0262	mg/L	0.00083 3.18%
Fe 239.562†	14.0	0.0264	mg/L	0.00086	0.0264	mg/L	0.00086 3.24%
Mg 279.077†	-5.3	-0.0102	mg/L	0.00266	-0.0102	mg/L	0.00266 26.04%
Mn 257.610†	1005.3	0.00203	mg/L	0.000043	0.00203	mg/L	0.000043 2.13%
Mo 202.031†	-6.6	-0.00043	mg/L	0.000171	-0.00043	mg/L	0.000171 39.67%
Ni 231.604†	2.2	0.00012	mg/L	0.000248	0.00012	mg/L	0.000248 207.45%
Pb 220.353†	8.4	0.00142	mg/L	0.000161	0.00142	mg/L	0.000161 11.32%
Sb 206.836†	-2.6	-0.00054	mg/L	0.000629	-0.00054	mg/L	0.000629 117.11%
Se 196.026†	-3.3	-0.00492	mg/L	0.002227	-0.00492	mg/L	0.002227 45.25%
Si 251.611†	3944.0	0.115	mg/L	0.0098	0.115	mg/L	0.0098 8.54%
Sn 189.927†	2.6	-0.00040	mg/L	0.000118	-0.00040	mg/L	0.000118 29.35%
Ti 334.940†	542.6	0.00071	mg/L	0.000260	0.00071	mg/L	0.000260 36.66%
Tl 190.801†	-1.2	-0.00026	mg/L	0.001292	-0.00026	mg/L	0.001292 495.47%
V 290.880†	-308.9	-0.00084	mg/L	0.000474	-0.00084	mg/L	0.000474 56.80%
Zn 206.200†	237.4	0.00684	mg/L	0.000073	0.00684	mg/L	0.000073 1.06%
K 766.490†	235.8	0.107	mg/L	0.0266	0.107	mg/L	0.0266 24.92%
Na 589.592†	9540.8	0.692	mg/L	0.0027	0.692	mg/L	0.0027 0.39%
Sr 407.771†	247.7	-0.00004	mg/L	0.000044	-0.00004	mg/L	0.000044 120.74%
Li 670.784†	-107.8	-0.00040	mg/L	0.001723	-0.00040	mg/L	0.001723 434.28%

Sequence No.: 16 **Autosampler Location: 65**
Sample ID: L1102045303 **Date Collected: 2/18/2011 5:31:09 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102045303

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102045303

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5107367.0						17129.52	0.34%
YRADIAL	316942.8						2596.51	0.82%
Ga 417.206	1387166.9						2629.17	0.19%
GaRADIAL	68488.5						1708.88	2.50%
Ag 328.068†	-37.1	0.00024	mg/L	0.000767	0.00024	mg/L	0.000767	314.22%
Al 396.153†	87.0	0.0105	mg/L	0.01173	0.0105	mg/L	0.01173	112.20%
As 188.979†	0.0	0.00006	mg/L	0.003960	0.00006	mg/L	0.003960	>999.9%
Ba 233.527†	-0.4	-0.00020	mg/L	0.000117	-0.00020	mg/L	0.000117	57.55%
Be 234.861†	-20.4	-0.00004	mg/L	0.000030	-0.00004	mg/L	0.000030	69.42%
B 249.677†	2603.8	0.0509	mg/L	0.00100	0.0509	mg/L	0.00100	1.97%
Ca 227.546†	2.2	-0.0319	mg/L	0.06071	-0.0319	mg/L	0.06071	190.35%
Cd 228.802†	-2.0	0.00004	mg/L	0.000074	0.00004	mg/L	0.000074	210.42%
Co 228.616†	5.1	0.00040	mg/L	0.000241	0.00040	mg/L	0.000241	60.32%
Cr 267.716†	35.5	-0.00017	mg/L	0.000080	-0.00017	mg/L	0.000080	48.28%
Cu 327.393†	26.8	-0.00011	mg/L	0.000201	-0.00011	mg/L	0.000201	177.36%
Fe 239.562†	1.7	-0.00019	mg/L	0.003685	-0.00019	mg/L	0.003685	>999.9%
Mg 279.077†	-11.3	-0.0175	mg/L	0.00422	-0.0175	mg/L	0.00422	24.18%
Mn 257.610†	14.0	-0.00022	mg/L	0.000009	-0.00022	mg/L	0.000009	4.21%
Mo 202.031†	-7.4	-0.00049	mg/L	0.000229	-0.00049	mg/L	0.000229	47.18%
Ni 231.604†	-4.1	-0.00006	mg/L	0.000075	-0.00006	mg/L	0.000075	122.68%
Pb 220.353†	-5.0	-0.00082	mg/L	0.000471	-0.00082	mg/L	0.000471	57.27%
Sb 206.836†	-0.9	0.00059	mg/L	0.001153	0.00059	mg/L	0.001153	196.38%
Se 196.026†	2.4	-0.00082	mg/L	0.000238	-0.00082	mg/L	0.000238	29.20%
Si 251.611†	1987.2	0.0576	mg/L	0.00056	0.0576	mg/L	0.00056	0.97%
Sn 189.927†	1.2	-0.00064	mg/L	0.000455	-0.00064	mg/L	0.000455	71.32%
Ti 334.940†	76.7	0.00007	mg/L	0.000192	0.00007	mg/L	0.000192	282.21%
Tl 190.801†	-3.3	-0.00152	mg/L	0.001689	-0.00152	mg/L	0.001689	110.98%
V 290.880†	-317.9	-0.00090	mg/L	0.000937	-0.00090	mg/L	0.000937	104.51%
Zn 206.200†	51.0	0.00119	mg/L	0.000109	0.00119	mg/L	0.000109	9.09%
K 766.490†	-11.3	0.0137	mg/L	0.02764	0.0137	mg/L	0.02764	201.84%
Na 589.592†	3451.4	0.252	mg/L	0.0035	0.252	mg/L	0.0035	1.39%
Sr 407.771†	64.0	-0.00021	mg/L	0.000078	-0.00021	mg/L	0.000078	36.68%
Li 670.784†	-95.2	-0.00024	mg/L	0.001171	-0.00024	mg/L	0.001171	486.95%

Sequence No.: 17 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/18/2011 5:37:46 PM**

Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4845134.8						31973.17	0.66%
YRADIAL	300696.1						1671.21	0.56%
Ga 417.206	1299122.2						16764.31	1.29%
GaRADIAL	65301.7						944.38	1.45%
Ag 328.068†	81479.7	0.406	mg/L	0.0059	0.406	mg/L	0.0059	1.46%
QC value within limits for Ag 328.068 Recovery = 101.51%								
Al 396.153†	51515.7	10.3	mg/L	0.04	10.3	mg/L	0.04	0.42%
QC value within limits for Al 396.153 Recovery = 103.06%								
As 188.979†	453.6	0.411	mg/L	0.0110	0.411	mg/L	0.0110	2.68%
QC value within limits for As 188.979 Recovery = 102.85%								
Ba 233.527†	56787.7	0.964	mg/L	0.0140	0.964	mg/L	0.0140	1.45%
QC value within limits for Ba 233.527 Recovery = 96.36%								
Be 234.861†	30215.9	0.0521	mg/L	0.00061	0.0521	mg/L	0.00061	1.17%
QC value within limits for Be 234.861 Recovery = 104.27%								
B 249.677†	27219.1	0.521	mg/L	0.0085	0.521	mg/L	0.0085	1.62%
QC value within limits for B 249.677 Recovery = 104.27%								
Ca 227.546†	1075.5	10.4	mg/L	0.17	10.4	mg/L	0.17	1.63%
QC value within limits for Ca 227.546 Recovery = 103.94%								
Cd 228.802†	908.5	0.0499	mg/L	0.00087	0.0499	mg/L	0.00087	1.74%
QC value within limits for Cd 228.802 Recovery = 99.76%								
Co 228.616†	3714.0	0.188	mg/L	0.0012	0.188	mg/L	0.0012	0.62%
QC value within limits for Co 228.616 Recovery = 94.11%								
Cr 267.716†	54155.2	0.478	mg/L	0.0066	0.478	mg/L	0.0066	1.37%
QC value within limits for Cr 267.716 Recovery = 95.67%								
Cu 327.393†	73650.2	0.512	mg/L	0.0098	0.512	mg/L	0.0098	1.91%
QC value within limits for Cu 327.393 Recovery = 102.47%								
Fe 239.562†	1718.6	3.72	mg/L	0.026	3.72	mg/L	0.026	0.71%
QC value within limits for Fe 239.562 Recovery = 93.03%								
Mg 279.077†	7715.1	9.39	mg/L	0.033	9.39	mg/L	0.033	0.35%
QC value within limits for Mg 279.077 Recovery = 93.92%								
Mn 257.610†	213644.8	0.486	mg/L	0.0074	0.486	mg/L	0.0074	1.53%
QC value within limits for Mn 257.610 Recovery = 97.23%								
Mo 202.031†	12872.7	0.963	mg/L	0.0132	0.963	mg/L	0.0132	1.37%
QC value within limits for Mo 202.031 Recovery = 96.28%								
Ni 231.604†	16429.8	0.478	mg/L	0.0065	0.478	mg/L	0.0065	1.36%
QC value within limits for Ni 231.604 Recovery = 95.63%								
Pb 220.353†	2856.4	0.487	mg/L	0.0030	0.487	mg/L	0.0030	0.61%
QC value within limits for Pb 220.353 Recovery = 97.43%								
Sb 206.836†	1969.1	1.27	mg/L	0.017	1.27	mg/L	0.017	1.34%
QC value within limits for Sb 206.836 Recovery = 105.49%								
Se 196.026†	576.5	0.413	mg/L	0.0053	0.413	mg/L	0.0053	1.27%
QC value within limits for Se 196.026 Recovery = 103.23%								
Si 251.611†	175741.1	5.13	mg/L	0.081	5.13	mg/L	0.081	1.59%
QC value within limits for Si 251.611 Recovery = 102.52%								
Sn 189.927†	5604.9	0.967	mg/L	0.0062	0.967	mg/L	0.0062	0.64%
QC value within limits for Sn 189.927 Recovery = 96.65%								
Ti 334.940†	693101.4	0.953	mg/L	0.0045	0.953	mg/L	0.0045	0.47%
QC value within limits for Ti 334.940 Recovery = 95.30%								
Tl 190.801†	816.8	0.494	mg/L	0.0020	0.494	mg/L	0.0020	0.41%
QC value within limits for Tl 190.801 Recovery = 98.87%								
V 290.880†	141547.5	0.948	mg/L	0.0157	0.948	mg/L	0.0157	1.65%
QC value within limits for V 290.880 Recovery = 94.81%								
Zn 206.200†	31906.0	0.968	mg/L	0.0079	0.968	mg/L	0.0079	0.82%
QC value within limits for Zn 206.200 Recovery = 96.80%								
K 766.490†	130889.8	50.3	mg/L	0.12	50.3	mg/L	0.12	0.24%
QC value within limits for K 766.490 Recovery = 100.57%								
Na 589.592†	683371.2	50.6	mg/L	0.60	50.6	mg/L	0.60	1.19%
QC value within limits for Na 589.592 Recovery = 101.19%								
Sr 407.771†	943498.1	0.924	mg/L	0.0859	0.924	mg/L	0.0859	9.30%
QC value within limits for Sr 407.771 Recovery = 92.38%								

Li 670.784† 80887.5 1.01 mg/L 0.004 1.01 mg/L 0.004 0.40%
QC value within limits for Li 670.784 Recovery = 100.83%
All analyte(s) passed QC.

Sequence No.: 18 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/18/2011 5:44:27 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	4995189.2						30528.41	0.61%
YRADIAL	313093.1						6817.75	2.18%
Ga 417.206	1315240.8						9516.04	0.72%
GaRADIAL	67388.5						2097.74	3.11%
Ag 328.068†	-111.5	-0.00012	mg/L	0.000424	-0.00012	mg/L	0.000424	343.06%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	17.6	-0.00347	mg/L	0.014513	-0.00347	mg/L	0.014513	418.77%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.2	-0.00196	mg/L	0.001713	-0.00196	mg/L	0.001713	87.46%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	11.7	0.00001	mg/L	0.000029	0.00001	mg/L	0.000029	573.00%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-45.7	-0.00008	mg/L	0.000022	-0.00008	mg/L	0.000022	26.54%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	422.5	0.00965	mg/L	0.000543	0.00965	mg/L	0.000543	5.62%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	0.0	-0.0523	mg/L	0.04681	-0.0523	mg/L	0.04681	89.45%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	1.2	0.00022	mg/L	0.000140	0.00022	mg/L	0.000140	62.65%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-1.0	0.00009	mg/L	0.000248	0.00009	mg/L	0.000248	285.20%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	8.6	-0.00040	mg/L	0.000031	-0.00040	mg/L	0.000031	7.75%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-12.6	-0.00039	mg/L	0.000485	-0.00039	mg/L	0.000485	125.61%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	0.1	-0.00371	mg/L	0.002791	-0.00371	mg/L	0.002791	75.20%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-2.8	-0.00717	mg/L	0.004361	-0.00717	mg/L	0.004361	60.81%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	27.9	-0.00021	mg/L	0.000008	-0.00021	mg/L	0.000008	4.00%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.0	0.00021	mg/L	0.000235	0.00021	mg/L	0.000235	110.76%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-2.4	-0.00001	mg/L	0.000077	-0.00001	mg/L	0.000077	556.22%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	1.8	0.00032	mg/L	0.000220	0.00032	mg/L	0.000220	69.18%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.5	0.00147	mg/L	0.000524	0.00147	mg/L	0.000524	35.65%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.6	-0.00368	mg/L	0.001668	-0.00368	mg/L	0.001668	45.35%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	69.4	0.00154	mg/L	0.000210	0.00154	mg/L	0.000210	13.67%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-1.0	-0.00101	mg/L	0.000481	-0.00101	mg/L	0.000481	47.40%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	195.3	0.00023	mg/L	0.000085	0.00023	mg/L	0.000085	36.92%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-3.6	-0.00168	mg/L	0.001857	-0.00168	mg/L	0.001857	110.49%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-193.8	-0.00007	mg/L	0.000348	-0.00007	mg/L	0.000348	522.43%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	7.8	-0.00012	mg/L	0.000061	-0.00012	mg/L	0.000061	52.97%

QC value within limits for Zn 206.200 Recovery = Not calculated
K 766.490† 82.1 0.0493 mg/L 0.00480 0.0493 mg/L 0.00480 9.74%
QC value within limits for K 766.490 Recovery = Not calculated
Na 589.592† -531.5 -0.0352 mg/L 0.00876 -0.0352 mg/L 0.00876 24.87%
QC value within limits for Na 589.592 Recovery = Not calculated
Sr 407.771† 149.3 -0.00013 mg/L 0.000100 -0.00013 mg/L 0.000100 76.90%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† -148.7 -0.00091 mg/L 0.000041 -0.00091 mg/L 0.000041 4.56%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 19 **Autosampler Location: 66**
Sample ID: PBW 92 WG356762-02 **Date Collected: 2/18/2011 5:51:04 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW 92 WG356762-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: PBW 92 WG356762-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5098454.1						48806.82	0.96%
YRADIAL	311270.8						3247.30	1.04%
Ga 417.206	1374680.4						4426.41	0.32%
GaRADIAL	67196.1						1276.54	1.90%
Ag 328.068†	-248.8	-0.00081	mg/L	0.000417	-0.00081	mg/L	0.000417	51.79%
Al 396.153†	4.5	-0.00608	mg/L	0.001909	-0.00608	mg/L	0.001909	31.42%
As 188.979†	-2.4	-0.00213	mg/L	0.003263	-0.00213	mg/L	0.003263	153.14%
Ba 233.527†	2.2	-0.00016	mg/L	0.000089	-0.00016	mg/L	0.000089	57.30%
Be 234.861†	-32.1	-0.00006	mg/L	0.000032	-0.00006	mg/L	0.000032	50.74%
B 249.677†	367.4	0.00862	mg/L	0.000282	0.00862	mg/L	0.000282	3.27%
Ca 227.546†	-1.2	-0.0638	mg/L	0.08564	-0.0638	mg/L	0.08564	134.14%
Cd 228.802†	0.7	0.00020	mg/L	0.000255	0.00020	mg/L	0.000255	128.71%
Co 228.616†	-1.7	0.00005	mg/L	0.000209	0.00005	mg/L	0.000209	408.92%
Cr 267.716†	13.1	-0.00036	mg/L	0.000070	-0.00036	mg/L	0.000070	19.26%
Cu 327.393†	35.6	-0.00005	mg/L	0.001379	-0.00005	mg/L	0.001379	>999.9%
Fe 239.562†	1.0	-0.00179	mg/L	0.003221	-0.00179	mg/L	0.003221	179.74%
Mg 279.077†	-5.9	-0.0109	mg/L	0.00448	-0.0109	mg/L	0.00448	41.14%
Mn 257.610†	26.2	-0.00021	mg/L	0.000012	-0.00021	mg/L	0.000012	5.56%
Mo 202.031†	-4.2	-0.00025	mg/L	0.000326	-0.00025	mg/L	0.000326	129.88%
Ni 231.604†	-0.4	0.00004	mg/L	0.000307	0.00004	mg/L	0.000307	693.61%
Pb 220.353†	0.2	0.00005	mg/L	0.000625	0.00005	mg/L	0.000625	>999.9%
Sb 206.836†	-2.7	-0.00055	mg/L	0.000767	-0.00055	mg/L	0.000767	140.25%
Se 196.026†	2.6	-0.00072	mg/L	0.004056	-0.00072	mg/L	0.004056	564.35%
Si 251.611†	165.8	0.00436	mg/L	0.000276	0.00436	mg/L	0.000276	6.34%
Sn 189.927†	2.0	-0.00051	mg/L	0.001099	-0.00051	mg/L	0.001099	215.69%
Ti 334.940†	170.8	0.00020	mg/L	0.000042	0.00020	mg/L	0.000042	21.36%
Tl 190.801†	1.1	0.00113	mg/L	0.002594	0.00113	mg/L	0.002594	230.59%
V 290.880†	-170.6	0.00009	mg/L	0.000638	0.00009	mg/L	0.000638	715.55%
Zn 206.200†	52.8	0.00125	mg/L	0.000134	0.00125	mg/L	0.000134	10.72%
K 766.490†	56.6	0.0397	mg/L	0.02182	0.0397	mg/L	0.02182	54.96%
Na 589.592†	-832.0	-0.0569	mg/L	0.00329	-0.0569	mg/L	0.00329	5.79%
Sr 407.771†	-53.7	-0.00033	mg/L	0.000049	-0.00033	mg/L	0.000049	14.88%
Li 670.784†	-147.9	-0.00090	mg/L	0.001253	-0.00090	mg/L	0.001253	139.83%

Sequence No.: 20 **Autosampler Location: 67**
Sample ID: LCSW 92 WG356762-03 **Date Collected: 2/18/2011 5:57:43 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 92 WG356762-03

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LCSW 92 WG356762-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4947180.1						35416.21	0.72%
YRADIAL	308758.3						5592.29	1.81%
Ga 417.206	1344428.5						2705.21	0.20%
GaRADIAL	66372.7						2564.62	3.86%
Ag 328.068†	40479.6	0.202	mg/L	0.0020	0.202	mg/L	0.0020	0.99%
Al 396.153†	26445.7	5.29	mg/L	0.031	5.29	mg/L	0.031	0.59%
As 188.979†	220.8	0.200	mg/L	0.0014	0.200	mg/L	0.0014	0.72%
Ba 233.527†	28403.4	0.482	mg/L	0.0057	0.482	mg/L	0.0057	1.19%
Be 234.861†	14847.6	0.0256	mg/L	0.00037	0.0256	mg/L	0.00037	1.43%
B 249.677†	53772.5	1.02	mg/L	0.005	1.02	mg/L	0.005	0.46%
Ca 227.546†	529.7	5.10	mg/L	0.103	5.10	mg/L	0.103	2.03%
Cd 228.802†	447.3	0.0247	mg/L	0.00003	0.0247	mg/L	0.00003	0.14%
Co 228.616†	1876.7	0.0952	mg/L	0.00076	0.0952	mg/L	0.00076	0.80%
Cr 267.716†	27046.3	0.239	mg/L	0.0028	0.239	mg/L	0.0028	1.15%
Cu 327.393†	36479.7	0.254	mg/L	0.0035	0.254	mg/L	0.0035	1.36%
Fe 239.562†	868.7	1.88	mg/L	0.067	1.88	mg/L	0.067	3.58%
Mg 279.077†	3943.0	4.80	mg/L	0.125	4.80	mg/L	0.125	2.61%
Mn 257.610†	108306.3	0.246	mg/L	0.0032	0.246	mg/L	0.0032	1.29%
Mo 202.031†	6439.9	0.482	mg/L	0.0088	0.482	mg/L	0.0088	1.83%
Ni 231.604†	8319.1	0.242	mg/L	0.0039	0.242	mg/L	0.0039	1.61%
Pb 220.353†	1443.4	0.246	mg/L	0.0016	0.246	mg/L	0.0016	0.64%
Sb 206.836†	979.6	0.630	mg/L	0.0032	0.630	mg/L	0.0032	0.51%
Se 196.026†	283.6	0.202	mg/L	0.0034	0.202	mg/L	0.0034	1.69%
Si 251.611†	89884.7	2.62	mg/L	0.013	2.62	mg/L	0.013	0.50%
Sn 189.927†	2928.4	0.505	mg/L	0.0025	0.505	mg/L	0.0025	0.49%
Ti 334.940†	349897.9	0.481	mg/L	0.0034	0.481	mg/L	0.0034	0.71%
Tl 190.801†	416.2	0.252	mg/L	0.0045	0.252	mg/L	0.0045	1.80%
V 290.880†	70677.7	0.474	mg/L	0.0047	0.474	mg/L	0.0047	0.99%
Zn 206.200†	15852.6	0.481	mg/L	0.0069	0.481	mg/L	0.0069	1.43%
K 766.490†	66338.6	25.3	mg/L	0.08	25.3	mg/L	0.08	0.33%
Na 589.592†	348333.1	25.5	mg/L	0.21	25.5	mg/L	0.21	0.82%
Sr 407.771†	476389.4	0.466	mg/L	0.0470	0.466	mg/L	0.0470	10.07%
Li 670.784†	41769.3	0.521	mg/L	0.0049	0.521	mg/L	0.0049	0.94%

Sequence No.: 21 **Autosampler Location: 68**
Sample ID: L1102035901 **Date Collected: 2/18/2011 6:04:22 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035901

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102035901

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4934551.0						79125.91	1.60%
YRADIAL	305536.7						4230.71	1.38%
Ga 417.206	1379146.4						9669.17	0.70%
GaRADIAL	66990.5						437.89	0.65%
Ag 328.068†	134.6	0.00102	mg/L	0.000851	0.00102	mg/L	0.000851	83.08%
Al 396.153†	200.6	0.0332	mg/L	0.00685	0.0332	mg/L	0.00685	20.62%
As 188.979†	6.7	0.00487	mg/L	0.003555	0.00487	mg/L	0.003555	73.00%
Ba 233.527†	426.5	0.00702	mg/L	0.000092	0.00702	mg/L	0.000092	1.31%
Be 234.861†	13.0	-0.00001	mg/L	0.000016	-0.00001	mg/L	0.000016	109.62%
B 249.677†	2129.7	0.0430	mg/L	0.00039	0.0430	mg/L	0.00039	0.91%
Ca 227.546†	6863.5	64.6	mg/L	0.22	64.6	mg/L	0.22	0.34%
Cd 228.802†	1.8	0.00020	mg/L	0.000163	0.00020	mg/L	0.000163	81.14%
Co 228.616†	-1.5	0.00005	mg/L	0.000261	0.00005	mg/L	0.000261	503.33%
Cr 267.716†	155.9	0.00083	mg/L	0.000142	0.00083	mg/L	0.000142	17.10%
Cu 327.393†	-240.0	-0.00193	mg/L	0.000663	-0.00193	mg/L	0.000663	34.25%
Fe 239.562†	110.8	0.236	mg/L	0.0061	0.236	mg/L	0.0061	2.58%
Mg 279.077†	15139.1	18.4	mg/L	0.18	18.4	mg/L	0.18	0.96%
Mn 257.610†	64965.0	0.147	mg/L	0.0033	0.147	mg/L	0.0033	2.26%
Mo 202.031†	-0.1	0.00010	mg/L	0.000286	0.00010	mg/L	0.000286	292.22%

Ni 231.604†	10.6	0.00033	mg/L	0.000230	0.00033	mg/L	0.000230 69.40%
Pb 220.353†	-24.8	-0.00109	mg/L	0.000431	-0.00109	mg/L	0.000431 39.60%
Sb 206.836†	10.6	0.00792	mg/L	0.000846	0.00792	mg/L	0.000846 10.67%
Se 196.026†	-33.5	-0.0104	mg/L	0.00600	-0.0104	mg/L	0.00600 57.76%
Si 251.611†	215873.6	6.31	mg/L	0.088	6.31	mg/L	0.088 1.39%
Sn 189.927†	2.8	-0.00036	mg/L	0.000301	-0.00036	mg/L	0.000301 82.86%
Ti 334.940†	-119.4	0.00044	mg/L	0.000094	0.00044	mg/L	0.000094 21.13%
Tl 190.801†	94.1	0.0505	mg/L	0.00289	0.0505	mg/L	0.00289 5.72%
V 290.880†	-793.0	-0.00406	mg/L	0.000347	-0.00406	mg/L	0.000347 8.54%
Zn 206.200†	191.9	0.00546	mg/L	0.000196	0.00546	mg/L	0.000196 3.58%
K 766.490†	3906.2	1.48	mg/L	0.021	1.48	mg/L	0.021 1.39%
Na 589.592†	186883.0	13.6	mg/L	0.08	13.6	mg/L	0.08 0.58%
Sr 407.771†	187787.3	0.184	mg/L	0.0157	0.184	mg/L	0.0157 8.57%
Li 670.784†	-74.3	0.00002	mg/L	0.001673	0.00002	mg/L	0.001673 >999.9%

Sequence No.: 22 **Autosampler Location: 69**
Sample ID: L1102036001 **Date Collected: 2/18/2011 6:11:02 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102036001

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102036001

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4848354.3						35745.00	0.74%
YRADIAL	304801.7						3304.89	1.08%
Ga 417.206	1379295.9						11803.70	0.86%
GaRADIAL	66877.0						861.70	1.29%
Ag 328.068†	131.3	0.00097	mg/L	0.000667	0.00097	mg/L	0.000667	68.41%
Al 396.153†	699.7	0.133	mg/L	0.0115	0.133	mg/L	0.0115	8.64%
As 188.979†	5.4	0.00386	mg/L	0.001156	0.00386	mg/L	0.001156	29.92%
Ba 233.527†	1235.3	0.0207	mg/L	0.00013	0.0207	mg/L	0.00013	0.65%
Be 234.861†	101.0	0.00001	mg/L	0.000012	0.00001	mg/L	0.000012	90.25%
B 249.677†	1410.1	0.0322	mg/L	0.00040	0.0322	mg/L	0.00040	1.24%
Ca 227.546†	6589.6	62.0	mg/L	0.57	62.0	mg/L	0.57	0.92%
Cd 228.802†	-2.3	-0.00002	mg/L	0.000251	-0.00002	mg/L	0.000251	>999.9%
Co 228.616†	-0.0	0.00010	mg/L	0.000345	0.00010	mg/L	0.000345	343.29%
Cr 267.716†	87.3	0.00021	mg/L	0.000061	0.00021	mg/L	0.000061	28.76%
Cu 327.393†	-236.5	-0.00183	mg/L	0.000230	-0.00183	mg/L	0.000230	12.57%
Fe 239.562†	400.4	0.864	mg/L	0.0121	0.864	mg/L	0.0121	1.40%
Mg 279.077†	8428.0	10.3	mg/L	0.09	10.3	mg/L	0.09	0.89%
Mn 257.610†	79577.8	0.180	mg/L	0.0022	0.180	mg/L	0.0022	1.22%
Mo 202.031†	3.2	0.00039	mg/L	0.000415	0.00039	mg/L	0.000415	107.49%
Ni 231.604†	2.0	0.00008	mg/L	0.000286	0.00008	mg/L	0.000286	353.28%
Pb 220.353†	-10.5	0.00117	mg/L	0.000980	0.00117	mg/L	0.000980	83.75%
Sb 206.836†	11.6	0.00860	mg/L	0.002922	0.00860	mg/L	0.002922	33.99%
Se 196.026†	-32.9	-0.0103	mg/L	0.00305	-0.0103	mg/L	0.00305	29.51%
Si 251.611†	143178.2	4.19	mg/L	0.060	4.19	mg/L	0.060	1.42%
Sn 189.927†	4.5	-0.00007	mg/L	0.000964	-0.00007	mg/L	0.000964	>999.9%
Ti 334.940†	2773.8	0.00440	mg/L	0.000405	0.00440	mg/L	0.000405	9.22%
Tl 190.801†	90.7	0.0488	mg/L	0.00280	0.0488	mg/L	0.00280	5.73%
V 290.880†	-545.6	-0.00236	mg/L	0.000679	-0.00236	mg/L	0.000679	28.81%
Zn 206.200†	238.4	0.00685	mg/L	0.000198	0.00685	mg/L	0.000198	2.89%
K 766.490†	6345.2	2.41	mg/L	0.024	2.41	mg/L	0.024	1.01%
Na 589.592†	87813.7	6.36	mg/L	0.032	6.36	mg/L	0.032	0.50%
Sr 407.771†	186155.7	0.182	mg/L	0.0150	0.182	mg/L	0.0150	8.22%
Li 670.784†	-121.7	-0.00057	mg/L	0.001814	-0.00057	mg/L	0.001814	318.25%

Sequence No.: 23 **Autosampler Location: 70**
Sample ID: L1102036001PS WG356823-01 **Date Collected: 2/18/2011 6:17:41 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102036001PS WG356823-01

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102036001PS WG356823-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4863601.8						51943.91	1.07%
YRADIAL	310793.8						2106.00	0.68%
Ga 417.206	1332201.0						21553.15	1.62%
GaRADIAL	66827.5						1306.12	1.95%
Ag 328.068†	40929.6	0.204	mg/L	0.0040	0.204	mg/L	0.0040	1.96%
Al 396.153†	26790.0	5.36	mg/L	0.032	5.36	mg/L	0.032	0.60%
As 188.979†	225.5	0.203	mg/L	0.0016	0.203	mg/L	0.0016	0.79%
Ba 233.527†	29268.9	0.497	mg/L	0.0061	0.497	mg/L	0.0061	1.23%
Be 234.861†	15288.0	0.0263	mg/L	0.00043	0.0263	mg/L	0.00043	1.62%
B 249.677†	56254.0	1.07	mg/L	0.021	1.07	mg/L	0.021	2.00%
Ca 227.546†	6712.9	63.3	mg/L	0.83	63.3	mg/L	0.83	1.31%
Cd 228.802†	437.8	0.0241	mg/L	0.00023	0.0241	mg/L	0.00023	0.93%
Co 228.616†	1834.3	0.0930	mg/L	0.00090	0.0930	mg/L	0.00090	0.97%
Cr 267.716†	27286.5	0.241	mg/L	0.0026	0.241	mg/L	0.0026	1.07%
Cu 327.393†	36561.5	0.254	mg/L	0.0061	0.254	mg/L	0.0061	2.39%
Fe 239.562†	1210.1	2.62	mg/L	0.040	2.62	mg/L	0.040	1.53%
Mg 279.077†	11222.3	13.7	mg/L	0.14	13.7	mg/L	0.14	1.00%
Mn 257.610†	179110.8	0.407	mg/L	0.0053	0.407	mg/L	0.0053	1.31%
Mo 202.031†	6560.0	0.491	mg/L	0.0041	0.491	mg/L	0.0041	0.84%
Ni 231.604†	8103.4	0.236	mg/L	0.0020	0.236	mg/L	0.0020	0.86%
Pb 220.353†	1398.0	0.241	mg/L	0.0006	0.241	mg/L	0.0006	0.25%
Sb 206.836†	989.7	0.637	mg/L	0.0112	0.637	mg/L	0.0112	1.75%
Se 196.026†	261.4	0.201	mg/L	0.0022	0.201	mg/L	0.0022	1.09%
Si 251.611†	226231.3	6.61	mg/L	0.119	6.61	mg/L	0.119	1.80%
Sn 189.927†	3036.7	0.523	mg/L	0.0051	0.523	mg/L	0.0051	0.98%
Ti 334.940†	352802.6	0.486	mg/L	0.0017	0.486	mg/L	0.0017	0.35%
Tl 190.801†	491.6	0.292	mg/L	0.0093	0.292	mg/L	0.0093	3.20%
V 290.880†	71890.2	0.482	mg/L	0.0063	0.482	mg/L	0.0063	1.31%
Zn 206.200†	15685.2	0.476	mg/L	0.0042	0.476	mg/L	0.0042	0.88%
K 766.490†	71917.7	27.4	mg/L	0.13	27.4	mg/L	0.13	0.47%
Na 589.592†	428308.2	31.4	mg/L	0.38	31.4	mg/L	0.38	1.22%
Sr 407.771†	639351.8	0.626	mg/L	0.0359	0.626	mg/L	0.0359	5.73%
Li 670.784†	41551.9	0.518	mg/L	0.0031	0.518	mg/L	0.0031	0.60%

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Sequence No.: 24 **Autosampler Location: 71**
Sample ID: L1102036001DL WG356823-02 **Date Collected: 2/18/2011 6:24:21 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102036001DL WG356823-02

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102036001DL WG356823-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5000886.1						46905.17	0.94%
YRADIAL	316910.5						3391.01	1.07%
Ga 417.206	1379817.0						24575.69	1.78%
GaRADIAL	68630.9						1454.64	2.12%
Ag 328.068†	-75.7	0.00003	mg/L	0.000299	0.00003	mg/L	0.000299	901.40%
Al 396.153†	235.3	0.0402	mg/L	0.01208	0.0402	mg/L	0.01208	30.06%
As 188.979†	2.3	0.00193	mg/L	0.002816	0.00193	mg/L	0.002816	145.90%
Ba 233.527†	249.6	0.00403	mg/L	0.000067	0.00403	mg/L	0.000067	1.66%
Be 234.861†	9.5	-0.00002	mg/L	0.000019	-0.00002	mg/L	0.000019	87.52%
B 249.677†	646.8	0.0147	mg/L	0.00009	0.0147	mg/L	0.00009	0.62%
Ca 227.546†	1285.4	12.1	mg/L	0.24	12.1	mg/L	0.24	2.00%
Cd 228.802†	-1.4	0.00005	mg/L	0.000143	0.00005	mg/L	0.000143	294.15%
Co 228.616†	-1.2	0.00007	mg/L	0.000188	0.00007	mg/L	0.000188	263.21%
Cr 267.716†	17.2	-0.00034	mg/L	0.000188	-0.00034	mg/L	0.000188	54.93%
Cu 327.393†	23.6	-0.00011	mg/L	0.000581	-0.00011	mg/L	0.000581	510.59%

Fe 239.562†	80.6	0.171	mg/L	0.0077	0.171	mg/L	0.0077 4.49%
Mg 279.077†	1670.5	2.03	mg/L	0.033	2.03	mg/L	0.033 1.64%
Mn 257.610†	15862.7	0.0357	mg/L	0.00030	0.0357	mg/L	0.00030 0.85%
Mo 202.031†	-0.8	0.00002	mg/L	0.000404	0.00002	mg/L	0.000404 >999.9%
Ni 231.604†	10.2	0.00034	mg/L	0.000148	0.00034	mg/L	0.000148 42.80%
Pb 220.353†	-6.4	-0.00049	mg/L	0.002030	-0.00049	mg/L	0.002030 415.55%
Sb 206.836†	0.3	0.00133	mg/L	0.002272	0.00133	mg/L	0.002272 170.39%
Se 196.026†	-4.8	-0.00290	mg/L	0.003757	-0.00290	mg/L	0.003757 129.32%
Si 251.611†	28717.9	0.840	mg/L	0.0189	0.840	mg/L	0.0189 2.25%
Sn 189.927†	3.1	-0.00031	mg/L	0.000418	-0.00031	mg/L	0.000418 135.37%
Ti 334.940†	605.2	0.00092	mg/L	0.000233	0.00092	mg/L	0.000233 25.47%
Tl 190.801†	26.5	0.0151	mg/L	0.00351	0.0151	mg/L	0.00351 23.20%
V 290.880†	-203.8	-0.00012	mg/L	0.000851	-0.00012	mg/L	0.000851 704.73%
Zn 206.200†	105.1	0.00283	mg/L	0.000098	0.00283	mg/L	0.000098 3.47%
K 766.490†	1272.3	0.499	mg/L	0.0186	0.499	mg/L	0.0186 3.73%
Na 589.592†	17112.7	1.24	mg/L	0.014	1.24	mg/L	0.014 1.09%
Sr 407.771†	36787.6	0.0357	mg/L	0.00291	0.0357	mg/L	0.00291 8.15%
Li 670.784†	-157.9	-0.00102	mg/L	0.000491	-0.00102	mg/L	0.000491 48.10%

Sequence No.: 25 **Autosampler Location: 72**
Sample ID: L1102036101 **Date Collected: 2/18/2011 6:31:06 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102036101

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102036101

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4769226.1						51241.16	1.07%
YRADIAL	304579.7						5372.17	1.76%
Ga 417.206	1298634.4						15894.47	1.22%
GaRADIAL	66182.3						1216.71	1.84%
Ag 328.068†	108.0	0.00067	mg/L	0.000735	0.00067	mg/L	0.000735	109.89%
Al 396.153†	1855.5	0.365	mg/L	0.0034	0.365	mg/L	0.0034	0.92%
As 188.979†	6.8	0.00531	mg/L	0.004965	0.00531	mg/L	0.004965	93.56%
Ba 233.527†	1719.8	0.0289	mg/L	0.00033	0.0289	mg/L	0.00033	1.13%
Be 234.861†	520.0	0.00008	mg/L	0.000054	0.00008	mg/L	0.000054	67.76%
B 249.677†	1368.1	0.0466	mg/L	0.00060	0.0466	mg/L	0.00060	1.29%
Ca 227.546†	8222.3	77.4	mg/L	0.75	77.4	mg/L	0.75	0.97%
Cd 228.802†	1.0	0.00016	mg/L	0.000037	0.00016	mg/L	0.000037	23.26%
Co 228.616†	19.8	0.00101	mg/L	0.000197	0.00101	mg/L	0.000197	19.56%
Cr 267.716†	226.5	0.00137	mg/L	0.000117	0.00137	mg/L	0.000117	8.57%
Cu 327.393†	-231.7	-0.00141	mg/L	0.000223	-0.00141	mg/L	0.000223	15.85%
Fe 239.562†	1927.1	4.17	mg/L	0.073	4.17	mg/L	0.073	1.75%
Mg 279.077†	10436.2	12.7	mg/L	0.17	12.7	mg/L	0.17	1.38%
Mn 257.610†	156631.6	0.356	mg/L	0.0025	0.356	mg/L	0.0025	0.71%
Mo 202.031†	-3.9	0.00006	mg/L	0.000293	0.00006	mg/L	0.000293	526.66%
Ni 231.604†	75.4	0.00221	mg/L	0.000155	0.00221	mg/L	0.000155	7.00%
Pb 220.353†	-9.5	0.00191	mg/L	0.001092	0.00191	mg/L	0.001092	57.04%
Sb 206.836†	12.7	0.00926	mg/L	0.003192	0.00926	mg/L	0.003192	34.45%
Se 196.026†	-37.5	-0.00873	mg/L	0.002954	-0.00873	mg/L	0.002954	33.82%
Si 251.611†	176801.3	5.17	mg/L	0.070	5.17	mg/L	0.070	1.35%
Sn 189.927†	1.8	-0.00054	mg/L	0.000949	-0.00054	mg/L	0.000949	174.58%
Ti 334.940†	10469.2	0.0151	mg/L	0.00244	0.0151	mg/L	0.00244	16.13%
Tl 190.801†	109.7	0.0591	mg/L	0.00159	0.0591	mg/L	0.00159	2.70%
V 290.880†	-273.6	-0.00028	mg/L	0.000405	-0.00028	mg/L	0.000405	143.54%
Zn 206.200†	726.7	0.0216	mg/L	0.00013	0.0216	mg/L	0.00013	0.61%
K 766.490†	6601.7	2.33	mg/L	0.041	2.33	mg/L	0.041	1.75%
Na 589.592†	2357429.0	188	mg/L	4.5	188	mg/L	4.5	2.38%
Sr 407.771†	219790.9	0.215	mg/L	0.0133	0.215	mg/L	0.0133	6.18%
Li 670.784†	99.6	0.00219	mg/L	0.001023	0.00219	mg/L	0.001023	46.80%

Sequence No.: 26 **Autosampler Location: 73**
Sample ID: L1102039701 WG356762-01 **Date Collected: 2/18/2011 6:37:49 PM**
Analyst: PDM **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039701 WG356762-01

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102039701 WG356762-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5007238.7						26201.18	0.52%
YRADIAL	317290.6						4951.43	1.56%
Ga 417.206	1387978.1						6871.66	0.50%
GaRADIAL	68903.2						556.99	0.81%
Ag 328.068†	49.5	0.00062	mg/L	0.000606	0.00062	mg/L	0.000606	98.05%
Al 396.153†	158.8	0.0248	mg/L	0.00835	0.0248	mg/L	0.00835	33.67%
As 188.979†	7.6	0.00628	mg/L	0.000555	0.00628	mg/L	0.000555	8.84%
Ba 233.527†	3238.9	0.0546	mg/L	0.00039	0.0546	mg/L	0.00039	0.72%
Be 234.861†	1.3	-0.00001	mg/L	0.000020	-0.00001	mg/L	0.000020	353.58%
B 249.677†	1995.5	0.0395	mg/L	0.00023	0.0395	mg/L	0.00023	0.58%
Ca 227.546†	3806.4	35.8	mg/L	0.28	35.8	mg/L	0.28	0.78%
Cd 228.802†	-1.5	0.00001	mg/L	0.000288	0.00001	mg/L	0.000288	>999.9%
Co 228.616†	-3.2	-0.00004	mg/L	0.000128	-0.00004	mg/L	0.000128	287.82%
Cr 267.716†	502.7	0.00397	mg/L	0.000021	0.00397	mg/L	0.000021	0.54%
Cu 327.393†	-188.7	-0.00160	mg/L	0.000476	-0.00160	mg/L	0.000476	29.76%
Fe 239.562†	15.7	0.0301	mg/L	0.00126	0.0301	mg/L	0.00126	4.18%
Mg 279.077†	3918.2	4.77	mg/L	0.011	4.77	mg/L	0.011	0.23%
Mn 257.610†	1424.9	0.00579	mg/L	0.000004	0.00579	mg/L	0.000004	0.07%
Mo 202.031†	49.6	0.00378	mg/L	0.000280	0.00378	mg/L	0.000280	7.41%
Ni 231.604†	-4.0	-0.00008	mg/L	0.000165	-0.00008	mg/L	0.000165	201.53%
Pb 220.353†	-12.6	-0.00038	mg/L	0.000525	-0.00038	mg/L	0.000525	139.76%
Sb 206.836†	4.3	0.00388	mg/L	0.004820	0.00388	mg/L	0.004820	124.13%
Se 196.026†	-21.7	-0.00916	mg/L	0.007890	-0.00916	mg/L	0.007890	86.15%
Si 251.611†	454447.0	13.3	mg/L	0.03	13.3	mg/L	0.03	0.24%
Sn 189.927†	3.4	-0.00026	mg/L	0.000221	-0.00026	mg/L	0.000221	85.68%
Ti 334.940†	205.7	0.00060	mg/L	0.000320	0.00060	mg/L	0.000320	53.15%
Tl 190.801†	61.9	0.0338	mg/L	0.00450	0.0338	mg/L	0.00450	13.30%
V 290.880†	617.3	0.00536	mg/L	0.000421	0.00536	mg/L	0.000421	7.86%
Zn 206.200†	359.6	0.0106	mg/L	0.00027	0.0106	mg/L	0.00027	2.55%
K 766.490†	5524.6	2.09	mg/L	0.022	2.09	mg/L	0.022	1.05%
Na 589.592†	279274.1	20.4	mg/L	0.05	20.4	mg/L	0.05	0.22%
Sr 407.771†	328007.8	0.321	mg/L	0.0294	0.321	mg/L	0.0294	9.16%
Li 670.784†	1013.4	0.0136	mg/L	0.00125	0.0136	mg/L	0.00125	9.19%

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Sequence No.: 27 **Autosampler Location: 74**
Sample ID: L1102039702S WG356762-04 **Date Collected: 2/18/2011 6:44:32 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039702S WG356762-04

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102039702S WG356762-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	4831995.3						76898.27	1.59%
YRADIAL	311012.7						8445.02	2.72%
Ga 417.206	1322724.9						9540.38	0.72%
GaRADIAL	67514.3						886.30	1.31%
Ag 328.068†	41022.8	0.205	mg/L	0.0027	0.205	mg/L	0.0027	1.30%
Al 396.153†	26102.3	5.22	mg/L	0.028	5.22	mg/L	0.028	0.53%
As 188.979†	232.2	0.210	mg/L	0.0042	0.210	mg/L	0.0042	2.02%
Ba 233.527†	31899.0	0.541	mg/L	0.0084	0.541	mg/L	0.0084	1.56%
Be 234.861†	15102.6	0.0261	mg/L	0.00032	0.0261	mg/L	0.00032	1.23%
B 249.677†	57102.0	1.08	mg/L	0.006	1.08	mg/L	0.006	0.53%
Ca 227.546†	4504.2	42.5	mg/L	0.15	42.5	mg/L	0.15	0.36%

Cd 228.802†	448.2	0.0246 mg/L	0.00015	0.0246 mg/L	0.00015	0.61%
Co 228.616†	1844.9	0.0935 mg/L	0.00142	0.0935 mg/L	0.00142	1.52%
Cr 267.716†	27564.2	0.243 mg/L	0.0037	0.243 mg/L	0.0037	1.53%
Cu 327.393†	36950.7	0.257 mg/L	0.0029	0.257 mg/L	0.0029	1.12%
Fe 239.562†	892.6	1.93 mg/L	0.034	1.93 mg/L	0.034	1.78%
Mg 279.077†	7789.6	9.48 mg/L	0.163	9.48 mg/L	0.163	1.72%
Mn 257.610†	109411.9	0.252 mg/L	0.0039	0.252 mg/L	0.0039	1.53%
Mo 202.031†	6672.6	0.499 mg/L	0.0076	0.499 mg/L	0.0076	1.52%
Ni 231.604†	8190.7	0.238 mg/L	0.0036	0.238 mg/L	0.0036	1.50%
Pb 220.353†	1423.1	0.245 mg/L	0.0043	0.245 mg/L	0.0043	1.75%
Sb 206.836†	999.0	0.643 mg/L	0.0072	0.643 mg/L	0.0072	1.12%
Se 196.026†	264.4	0.197 mg/L	0.0029	0.197 mg/L	0.0029	1.48%
Si 251.611†	553089.2	16.2 mg/L	0.12	16.2 mg/L	0.12	0.74%
Sn 189.927†	2957.8	0.510 mg/L	0.0080	0.510 mg/L	0.0080	1.57%
Ti 334.940†	361493.1	0.497 mg/L	0.0093	0.497 mg/L	0.0093	1.86%
Tl 190.801†	472.0	0.282 mg/L	0.0084	0.282 mg/L	0.0084	2.99%
V 290.880†	73433.3	0.492 mg/L	0.0082	0.492 mg/L	0.0082	1.67%
Zn 206.200†	15856.5	0.481 mg/L	0.0092	0.481 mg/L	0.0092	1.91%
K 766.490†	72161.5	27.5 mg/L	0.12	27.5 mg/L	0.12	0.44%
Na 589.592†	623895.5	46.1 mg/L	0.91	46.1 mg/L	0.91	1.98%
Sr 407.771†	795484.3	0.779 mg/L	0.0724	0.779 mg/L	0.0724	9.30%
Li 670.784†	42451.4	0.530 mg/L	0.0100	0.530 mg/L	0.0100	1.89%

Sequence No.: 28 **Autosampler Location: 75**
Sample ID: L1102039703SD WG356762-05 **Date Collected: 2/18/2011 6:51:17 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039703SD WG356762-05

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102039703SD WG356762-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4940717.8						33415.57	0.68%
YRADIAL	311398.3						4631.27	1.49%
Ga 417.206	1347827.6						9937.59	0.74%
GaRADIAL	67183.3						1571.60	2.34%
Ag 328.068†	40554.4	0.202	mg/L	0.0009	0.202	mg/L	0.0009	0.45%
Al 396.153†	25895.1	5.18	mg/L	0.026	5.18	mg/L	0.026	0.50%
As 188.979†	229.1	0.207	mg/L	0.0019	0.207	mg/L	0.0019	0.93%
Ba 233.527†	31473.4	0.534	mg/L	0.0036	0.534	mg/L	0.0036	0.68%
Be 234.861†	14983.4	0.0259	mg/L	0.00028	0.0259	mg/L	0.00028	1.08%
B 249.677†	56530.1	1.07	mg/L	0.004	1.07	mg/L	0.004	0.33%
Ca 227.546†	4489.1	42.3	mg/L	0.14	42.3	mg/L	0.14	0.34%
Cd 228.802†	436.9	0.0240	mg/L	0.00043	0.0240	mg/L	0.00043	1.77%
Co 228.616†	1818.2	0.0922	mg/L	0.00031	0.0922	mg/L	0.00031	0.34%
Cr 267.716†	27168.3	0.240	mg/L	0.0026	0.240	mg/L	0.0026	1.06%
Cu 327.393†	36373.5	0.253	mg/L	0.0002	0.253	mg/L	0.0002	0.07%
Fe 239.562†	887.7	1.92	mg/L	0.047	1.92	mg/L	0.047	2.47%
Mg 279.077†	7816.6	9.51	mg/L	0.205	9.51	mg/L	0.205	2.15%
Mn 257.610†	107604.2	0.248	mg/L	0.0017	0.248	mg/L	0.0017	0.70%
Mo 202.031†	6556.8	0.490	mg/L	0.0021	0.490	mg/L	0.0021	0.42%
Ni 231.604†	8045.5	0.234	mg/L	0.0011	0.234	mg/L	0.0011	0.47%
Pb 220.353†	1386.4	0.238	mg/L	0.0022	0.238	mg/L	0.0022	0.92%
Sb 206.836†	988.2	0.636	mg/L	0.0007	0.636	mg/L	0.0007	0.11%
Se 196.026†	266.3	0.199	mg/L	0.0041	0.199	mg/L	0.0041	2.05%
Si 251.611†	555304.3	16.2	mg/L	0.16	16.2	mg/L	0.16	1.00%
Sn 189.927†	2907.1	0.501	mg/L	0.0006	0.501	mg/L	0.0006	0.12%
Ti 334.940†	352153.2	0.485	mg/L	0.0045	0.485	mg/L	0.0045	0.94%
Tl 190.801†	469.7	0.280	mg/L	0.0033	0.280	mg/L	0.0033	1.16%
V 290.880†	72074.5	0.483	mg/L	0.0040	0.483	mg/L	0.0040	0.83%
Zn 206.200†	15611.6	0.473	mg/L	0.0041	0.473	mg/L	0.0041	0.88%
K 766.490†	71267.3	27.2	mg/L	0.17	27.2	mg/L	0.17	0.61%
Na 589.592†	618015.5	45.6	mg/L	0.74	45.6	mg/L	0.74	1.62%
Sr 407.771†	779960.0	0.764	mg/L	0.0559	0.764	mg/L	0.0559	7.32%
Li 670.784†	41991.4	0.524	mg/L	0.0002	0.524	mg/L	0.0002	0.04%

Sequence No.: 29 **Autosampler Location:** 6
Sample ID: CCV **Date Collected:** 2/18/2011 6:58:00 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4863949.9						57273.54	1.18%
YRADIAL	312243.2						8685.43	2.78%
Ga 417.206	1272450.5						25368.53	1.99%
GaRADIAL	65268.7						1150.38	1.76%
Ag 328.068†	82829.6	0.413	mg/L	0.0065	0.413	mg/L	0.0065	1.57%
QC value within limits for Ag 328.068 Recovery = 103.18%								
Al 396.153†	52959.9	10.6	mg/L	0.04	10.6	mg/L	0.04	0.39%
QC value within limits for Al 396.153 Recovery = 105.96%								
As 188.979†	456.8	0.414	mg/L	0.0096	0.414	mg/L	0.0096	2.31%
QC value within limits for As 188.979 Recovery = 103.59%								
Ba 233.527†	56170.7	0.953	mg/L	0.0158	0.953	mg/L	0.0158	1.66%
QC value within limits for Ba 233.527 Recovery = 95.32%								
Be 234.861†	30772.4	0.0531	mg/L	0.00111	0.0531	mg/L	0.00111	2.09%
QC value within limits for Be 234.861 Recovery = 106.12%								
B 249.677†	28018.5	0.536	mg/L	0.0101	0.536	mg/L	0.0101	1.88%
QC value within limits for B 249.677 Recovery = 107.22%								
Ca 227.546†	1105.5	10.7	mg/L	0.23	10.7	mg/L	0.23	2.15%
QC value within limits for Ca 227.546 Recovery = 106.73%								
Cd 228.802†	926.6	0.0508	mg/L	0.00112	0.0508	mg/L	0.00112	2.21%
QC value within limits for Cd 228.802 Recovery = 101.69%								
Co 228.616†	3683.8	0.187	mg/L	0.0025	0.187	mg/L	0.0025	1.34%
QC value within limits for Co 228.616 Recovery = 93.33%								
Cr 267.716†	53598.5	0.473	mg/L	0.0075	0.473	mg/L	0.0075	1.59%
QC value within limits for Cr 267.716 Recovery = 94.68%								
Cu 327.393†	75187.1	0.523	mg/L	0.0084	0.523	mg/L	0.0084	1.61%
QC value within limits for Cu 327.393 Recovery = 104.60%								
Fe 239.562†	1717.8	3.72	mg/L	0.081	3.72	mg/L	0.081	2.18%
QC value within limits for Fe 239.562 Recovery = 92.99%								
Mg 279.077†	7654.0	9.32	mg/L	0.235	9.32	mg/L	0.235	2.52%
QC value within limits for Mg 279.077 Recovery = 93.18%								
Mn 257.610†	211851.4	0.482	mg/L	0.0082	0.482	mg/L	0.0082	1.70%
QC value within limits for Mn 257.610 Recovery = 96.44%								
Mo 202.031†	12690.8	0.949	mg/L	0.0114	0.949	mg/L	0.0114	1.20%
QC value within limits for Mo 202.031 Recovery = 94.92%								
Ni 231.604†	16254.9	0.473	mg/L	0.0082	0.473	mg/L	0.0082	1.72%
QC value within limits for Ni 231.604 Recovery = 94.61%								
Pb 220.353†	2817.0	0.480	mg/L	0.0069	0.480	mg/L	0.0069	1.44%
QC value within limits for Pb 220.353 Recovery = 96.09%								
Sb 206.836†	2004.8	1.29	mg/L	0.023	1.29	mg/L	0.023	1.79%
QC value within limits for Sb 206.836 Recovery = 107.39%								
Se 196.026†	586.6	0.420	mg/L	0.0122	0.420	mg/L	0.0122	2.90%
QC value within limits for Se 196.026 Recovery = 105.05%								
Si 251.611†	178653.4	5.21	mg/L	0.096	5.21	mg/L	0.096	1.84%
QC value within limits for Si 251.611 Recovery = 104.23%								
Sn 189.927†	5539.7	0.955	mg/L	0.0103	0.955	mg/L	0.0103	1.08%
QC value within limits for Sn 189.927 Recovery = 95.53%								
Ti 334.940†	698050.5	0.960	mg/L	0.0028	0.960	mg/L	0.0028	0.29%
QC value within limits for Ti 334.940 Recovery = 95.98%								
Tl 190.801†	811.7	0.491	mg/L	0.0119	0.491	mg/L	0.0119	2.42%
QC value within limits for Tl 190.801 Recovery = 98.28%								
V 290.880†	140558.9	0.941	mg/L	0.0144	0.941	mg/L	0.0144	1.53%
QC value within limits for V 290.880 Recovery = 94.15%								
Zn 206.200†	31353.6	0.951	mg/L	0.0187	0.951	mg/L	0.0187	1.97%
QC value within limits for Zn 206.200 Recovery = 95.12%								
K 766.490†	134064.1	51.5	mg/L	0.22	51.5	mg/L	0.22	0.44%
QC value within limits for K 766.490 Recovery = 103.05%								
Na 589.592†	703937.0	52.2	mg/L	0.56	52.2	mg/L	0.56	1.08%

QC value within limits for Na 589.592 Recovery = 104.32%
Sr 407.771† 920623.2 0.901 mg/L 0.0796 0.901 mg/L 0.0796 8.83%
QC value within limits for Sr 407.771 Recovery = 90.14%
Li 670.784† 84045.2 1.05 mg/L 0.005 1.05 mg/L 0.005 0.49%
QC value within limits for Li 670.784 Recovery = 104.77%
All analyte(s) passed QC.

Sequence No.: 30 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/18/2011 7:04:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5081715.6						53195.68	1.05%
YRADIAL	310274.1						5189.14	1.67%
Ga 417.206	1309897.7						8271.61	0.63%
GaRADIAL	64859.7						522.17	0.81%
Ag 328.068†	-224.2	-0.00068	mg/L	0.000862	-0.00068	mg/L	0.000862	125.84%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-28.8	-0.0128	mg/L	0.01123	-0.0128	mg/L	0.01123	88.06%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.3	-0.00020	mg/L	0.000746	-0.00020	mg/L	0.000746	367.17%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.1	-0.00014	mg/L	0.000047	-0.00014	mg/L	0.000047	32.66%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-63.8	-0.00012	mg/L	0.000007	-0.00012	mg/L	0.000007	6.48%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	675.7	0.0144	mg/L	0.00029	0.0144	mg/L	0.00029	2.01%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-5.0	-0.100	mg/L	0.0686	-0.100	mg/L	0.0686	68.40%
QC value less than the lower limit for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	2.8	0.00030	mg/L	0.000199	0.00030	mg/L	0.000199	65.68%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	3.8	0.00033	mg/L	0.000257	0.00033	mg/L	0.000257	76.75%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	6.4	-0.00042	mg/L	0.000126	-0.00042	mg/L	0.000126	29.91%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	53.7	0.00007	mg/L	0.000940	0.00007	mg/L	0.000940	>999.9%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-0.1	-0.00406	mg/L	0.002877	-0.00406	mg/L	0.002877	70.86%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-2.4	-0.00668	mg/L	0.006230	-0.00668	mg/L	0.006230	93.25%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	37.1	-0.00019	mg/L	0.000016	-0.00019	mg/L	0.000016	8.71%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.8	0.00012	mg/L	0.000487	0.00012	mg/L	0.000487	396.39%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-5.0	-0.00009	mg/L	0.000197	-0.00009	mg/L	0.000197	212.30%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.1	-0.00017	mg/L	0.001318	-0.00017	mg/L	0.001318	775.33%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-0.9	0.00060	mg/L	0.001972	0.00060	mg/L	0.001972	328.12%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.7	-0.00210	mg/L	0.003272	-0.00210	mg/L	0.003272	155.83%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	121.3	0.00306	mg/L	0.000415	0.00306	mg/L	0.000415	13.59%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-1.1	-0.00104	mg/L	0.000604	-0.00104	mg/L	0.000604	57.88%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	200.1	0.00024	mg/L	0.000087	0.00024	mg/L	0.000087	36.80%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	5.5	0.00373	mg/L	0.001310	0.00373	mg/L	0.001310	35.14%
QC value within limits for Tl 190.801 Recovery = Not calculated								

V 290.880† -318.1 -0.00090 mg/L 0.000358 -0.00090 mg/L 0.000358 39.80%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† 8.1 -0.00011 mg/L 0.000135 -0.00011 mg/L 0.000135 127.42%
QC value within limits for Zn 206.200 Recovery = Not calculated
K 766.490† 140.9 0.0716 mg/L 0.03224 0.0716 mg/L 0.03224 45.04%
QC value within limits for K 766.490 Recovery = Not calculated
Na 589.592† -346.6 -0.0219 mg/L 0.00520 -0.0219 mg/L 0.00520 23.75%
QC value within limits for Na 589.592 Recovery = Not calculated
Sr 407.771† 129.3 -0.00015 mg/L 0.000032 -0.00015 mg/L 0.000032 21.41%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† -161.5 -0.00107 mg/L 0.000630 -0.00107 mg/L 0.000630 59.16%
QC value within limits for Li 670.784 Recovery = Not calculated
QC Failed. Continue with analysis.

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Sequence No.: 31 **Autosampler Location: 76**
Sample ID: L1102041201 **Date Collected: 2/18/2011 7:11:17 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041201

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041201

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	5219029.7						60008.49	1.15%
YRADIAL	323649.9						6767.47	2.09%
Ga 417.206	1360364.3						32261.97	2.37%
GaRADIAL	67481.2						2610.40	3.87%
Ag 328.068†	-270.7	-0.00092	mg/L	0.000612	-0.00092	mg/L	0.000612	66.64%
Al 396.153†	338.8	0.0609	mg/L	0.00925	0.0609	mg/L	0.00925	15.18%
As 188.979†	-3.9	-0.00351	mg/L	0.001604	-0.00351	mg/L	0.001604	45.67%
Ba 233.527†	54.5	0.00073	mg/L	0.000015	0.00073	mg/L	0.000015	2.09%
Be 234.861†	-33.8	-0.00007	mg/L	0.000005	-0.00007	mg/L	0.000005	6.11%
B 249.677†	625.7	0.0137	mg/L	0.00066	0.0137	mg/L	0.00066	4.84%
Ca 227.546†	26.1	0.193	mg/L	0.0451	0.193	mg/L	0.0451	23.41%
Cd 228.802†	0.3	0.00018	mg/L	0.000153	0.00018	mg/L	0.000153	84.18%
Co 228.616†	0.8	0.00017	mg/L	0.000096	0.00017	mg/L	0.000096	55.30%
Cr 267.716†	495.1	0.00390	mg/L	0.000040	0.00390	mg/L	0.000040	1.03%
Cu 327.393†	1277.6	0.00857	mg/L	0.000614	0.00857	mg/L	0.000614	7.16%
Fe 239.562†	25.7	0.0518	mg/L	0.00518	0.0518	mg/L	0.00518	10.01%
Mg 279.077†	21.2	0.0220	mg/L	0.00364	0.0220	mg/L	0.00364	16.54%
Mn 257.610†	692.3	0.00132	mg/L	0.000023	0.00132	mg/L	0.000023	1.72%
Mo 202.031†	3.0	0.00029	mg/L	0.000169	0.00029	mg/L	0.000169	58.54%
Ni 231.604†	7.5	0.00027	mg/L	0.000222	0.00027	mg/L	0.000222	81.31%
Pb 220.353†	-0.6	-0.00008	mg/L	0.000178	-0.00008	mg/L	0.000178	218.37%
Sb 206.836†	-0.3	0.00093	mg/L	0.001947	0.00093	mg/L	0.001947	208.36%
Se 196.026†	-3.0	-0.00461	mg/L	0.001847	-0.00461	mg/L	0.001847	40.05%
Si 251.611†	4783.9	0.139	mg/L	0.0020	0.139	mg/L	0.0020	1.41%
Sn 189.927†	1.0	-0.00068	mg/L	0.000142	-0.00068	mg/L	0.000142	20.93%
Ti 334.940†	1697.9	0.00230	mg/L	0.000070	0.00230	mg/L	0.000070	3.06%
Tl 190.801†	0.1	0.00050	mg/L	0.003024	0.00050	mg/L	0.003024	604.12%
V 290.880†	-241.7	-0.00038	mg/L	0.000430	-0.00038	mg/L	0.000430	112.37%
Zn 206.200†	145.8	0.00408	mg/L	0.000198	0.00408	mg/L	0.000198	4.84%
K 766.490†	449.6	0.188	mg/L	0.0413	0.188	mg/L	0.0413	21.95%
Na 589.592†	1533.2	0.114	mg/L	0.0036	0.114	mg/L	0.0036	3.20%
Sr 407.771†	777.4	0.00048	mg/L	0.000115	0.00048	mg/L	0.000115	23.94%
Li 670.784†	-61.4	0.00018	mg/L	0.000608	0.00018	mg/L	0.000608	335.30%

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Sequence No.: 32 **Autosampler Location: 77**
Sample ID: L1102041202 **Date Collected: 2/18/2011 7:17:56 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041202

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041202

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5174387.3						81119.98	1.57%
YRADIAL	324152.6						8042.21	2.48%
Ga 417.206	1337183.4						29346.01	2.19%
GaRADIAL	67307.8						2321.91	3.45%
Ag 328.068†	-122.6	-0.00018	mg/L	0.000146	-0.00018	mg/L	0.000146	80.75%
Al 396.153†	163.5	0.0258	mg/L	0.00671	0.0258	mg/L	0.00671	26.00%
As 188.979†	-0.2	-0.00012	mg/L	0.000860	-0.00012	mg/L	0.000860	735.78%
Ba 233.527†	16.1	0.00008	mg/L	0.000071	0.00008	mg/L	0.000071	90.41%
Be 234.861†	-47.9	-0.00009	mg/L	0.000050	-0.00009	mg/L	0.000050	53.45%
B 249.677†	598.5	0.0131	mg/L	0.00036	0.0131	mg/L	0.00036	2.77%
Ca 227.546†	10.2	0.0432	mg/L	0.03619	0.0432	mg/L	0.03619	83.78%
Cd 228.802†	-2.5	0.00001	mg/L	0.000114	0.00001	mg/L	0.000114	>999.9%
Co 228.616†	4.5	0.00037	mg/L	0.000313	0.00037	mg/L	0.000313	84.89%
Cr 267.716†	254.0	0.00177	mg/L	0.000022	0.00177	mg/L	0.000022	1.23%
Cu 327.393†	644.0	0.00417	mg/L	0.000659	0.00417	mg/L	0.000659	15.81%
Fe 239.562†	12.9	0.0240	mg/L	0.00160	0.0240	mg/L	0.00160	6.66%
Mg 279.077†	6.2	0.00380	mg/L	0.004249	0.00380	mg/L	0.004249	111.95%
Mn 257.610†	358.2	0.00055	mg/L	0.000016	0.00055	mg/L	0.000016	2.95%
Mo 202.031†	-1.2	-0.00002	mg/L	0.000342	-0.00002	mg/L	0.000342	>999.9%
Ni 231.604†	5.8	0.00023	mg/L	0.000201	0.00023	mg/L	0.000201	89.36%
Pb 220.353†	-2.0	-0.00032	mg/L	0.000603	-0.00032	mg/L	0.000603	186.16%
Sb 206.836†	-1.0	0.00052	mg/L	0.001382	0.00052	mg/L	0.001382	265.14%
Se 196.026†	-4.7	-0.00590	mg/L	0.003017	-0.00590	mg/L	0.003017	51.17%
Si 251.611†	2091.3	0.0607	mg/L	0.00288	0.0607	mg/L	0.00288	4.75%
Sn 189.927†	2.6	-0.00040	mg/L	0.000542	-0.00040	mg/L	0.000542	134.88%
Ti 334.940†	734.7	0.00097	mg/L	0.000041	0.00097	mg/L	0.000041	4.23%
Tl 190.801†	1.6	0.00142	mg/L	0.001699	0.00142	mg/L	0.001699	119.48%
V 290.880†	-205.9	-0.00015	mg/L	0.000696	-0.00015	mg/L	0.000696	478.06%
Zn 206.200†	113.3	0.00309	mg/L	0.000112	0.00309	mg/L	0.000112	3.64%
K 766.490†	290.9	0.128	mg/L	0.0222	0.128	mg/L	0.0222	17.30%
Na 589.592†	555.2	0.0432	mg/L	0.00386	0.0432	mg/L	0.00386	8.94%
Sr 407.771†	344.2	0.00006	mg/L	0.000097	0.00006	mg/L	0.000097	166.57%
Li 670.784†	-5.8	0.00087	mg/L	0.002379	0.00087	mg/L	0.002379	272.62%

Sequence No.: 33 **Autosampler Location: 78**
Sample ID: L1102041203 **Date Collected: 2/18/2011 7:24:34 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041203

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041203

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5232431.6						14098.89	0.27%
YRADIAL	326700.0						4108.44	1.26%
Ga 417.206	1352003.2						9188.03	0.68%
GaRADIAL	67739.6						1441.20	2.13%
Ag 328.068†	-119.1	-0.00016	mg/L	0.000038	-0.00016	mg/L	0.000038	23.03%
Al 396.153†	24.6	-0.00205	mg/L	0.012370	-0.00205	mg/L	0.012370	604.61%
As 188.979†	0.5	0.00054	mg/L	0.001767	0.00054	mg/L	0.001767	326.20%
Ba 233.527†	2.7	-0.00015	mg/L	0.000032	-0.00015	mg/L	0.000032	21.85%
Be 234.861†	-55.6	-0.00010	mg/L	0.000033	-0.00010	mg/L	0.000033	32.03%
B 249.677†	594.3	0.0129	mg/L	0.00167	0.0129	mg/L	0.00167	12.87%
Ca 227.546†	-0.3	-0.0553	mg/L	0.03849	-0.0553	mg/L	0.03849	69.65%
Cd 228.802†	1.2	0.00021	mg/L	0.000206	0.00021	mg/L	0.000206	98.86%
Co 228.616†	-1.3	0.00007	mg/L	0.000133	0.00007	mg/L	0.000133	187.34%
Cr 267.716†	181.4	0.00113	mg/L	0.000140	0.00113	mg/L	0.000140	12.41%
Cu 327.393†	116.3	0.00051	mg/L	0.000639	0.00051	mg/L	0.000639	125.80%
Fe 239.562†	5.0	0.00699	mg/L	0.003092	0.00699	mg/L	0.003092	44.23%

Mg 279.077†	-8.9	-0.0146	mg/L	0.00406	-0.0146	mg/L	0.00406 27.77%
Mn 257.610†	115.3	-0.00001	mg/L	0.000005	-0.00001	mg/L	0.000005 66.06%
Mo 202.031†	-3.7	-0.00021	mg/L	0.000260	-0.00021	mg/L	0.000260 124.90%
Ni 231.604†	-0.1	0.00005	mg/L	0.000344	0.00005	mg/L	0.000344 673.36%
Pb 220.353†	-3.9	-0.00064	mg/L	0.000749	-0.00064	mg/L	0.000749 117.40%
Sb 206.836†	-0.6	0.00073	mg/L	0.002758	0.00073	mg/L	0.002758 375.97%
Se 196.026†	3.0	-0.00040	mg/L	0.002906	-0.00040	mg/L	0.002906 735.71%
Si 251.611†	385.9	0.0108	mg/L	0.00018	0.0108	mg/L	0.00018 1.65%
Sn 189.927†	-1.2	-0.00106	mg/L	0.000979	-0.00106	mg/L	0.000979 92.13%
Ti 334.940†	194.5	0.00023	mg/L	0.000188	0.00023	mg/L	0.000188 81.95%
Tl 190.801†	2.0	0.00162	mg/L	0.001668	0.00162	mg/L	0.001668 103.10%
V 290.880†	-247.4	-0.00042	mg/L	0.000733	-0.00042	mg/L	0.000733 172.61%
Zn 206.200†	65.5	0.00164	mg/L	0.000051	0.00164	mg/L	0.000051 3.14%
K 766.490†	66.9	0.0436	mg/L	0.03585	0.0436	mg/L	0.03585 82.23%
Na 589.592†	-782.2	-0.0533	mg/L	0.00875	-0.0533	mg/L	0.00875 16.40%
Sr 407.771†	64.6	-0.00021	mg/L	0.000085	-0.00021	mg/L	0.000085 39.60%
Li 670.784†	-131.5	-0.00069	mg/L	0.001753	-0.00069	mg/L	0.001753 253.16%

Sequence No.: 34 **Autosampler Location: 79**
Sample ID: L1102041204 **Date Collected: 2/18/2011 7:31:14 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041204

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041204

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5127416.7						44303.47	0.86%
YRADIAL	325585.5						10487.61	3.22%
Ga 417.206	1333410.0						15561.21	1.17%
GaRADIAL	67114.7						2482.21	3.70%
Ag 328.068†	-248.0	-0.00080	mg/L	0.000547	-0.00080	mg/L	0.000547	68.22%
Al 396.153†	40.0	0.00104	mg/L	0.013054	0.00104	mg/L	0.013054	>999.9%
As 188.979†	-0.1	-0.00009	mg/L	0.002412	-0.00009	mg/L	0.002412	>999.9%
Ba 233.527†	1.2	-0.00017	mg/L	0.000076	-0.00017	mg/L	0.000076	43.76%
Be 234.861†	-56.4	-0.00010	mg/L	0.000035	-0.00010	mg/L	0.000035	33.34%
B 249.677†	569.6	0.0125	mg/L	0.00028	0.0125	mg/L	0.00028	2.24%
Ca 227.546†	-0.4	-0.0568	mg/L	0.05538	-0.0568	mg/L	0.05538	97.54%
Cd 228.802†	-0.1	0.00014	mg/L	0.000174	0.00014	mg/L	0.000174	123.09%
Co 228.616†	1.2	0.00020	mg/L	0.000097	0.00020	mg/L	0.000097	47.88%
Cr 267.716†	73.2	0.00017	mg/L	0.000140	0.00017	mg/L	0.000140	83.09%
Cu 327.393†	-21.6	-0.00045	mg/L	0.001428	-0.00045	mg/L	0.001428	318.85%
Fe 239.562†	3.1	0.00294	mg/L	0.002492	0.00294	mg/L	0.002492	84.71%
Mg 279.077†	-9.6	-0.0154	mg/L	0.00216	-0.0154	mg/L	0.00216	13.97%
Mn 257.610†	212.8	0.00021	mg/L	0.000022	0.00021	mg/L	0.000022	10.49%
Mo 202.031†	-2.2	-0.00010	mg/L	0.000103	-0.00010	mg/L	0.000103	101.97%
Ni 231.604†	4.5	0.00019	mg/L	0.000045	0.00019	mg/L	0.000045	24.13%
Pb 220.353†	-8.8	-0.00148	mg/L	0.000431	-0.00148	mg/L	0.000431	29.18%
Sb 206.836†	-2.6	-0.00048	mg/L	0.001772	-0.00048	mg/L	0.001772	366.28%
Se 196.026†	-3.3	-0.00496	mg/L	0.001294	-0.00496	mg/L	0.001294	26.07%
Si 251.611†	138.8	0.00357	mg/L	0.000101	0.00357	mg/L	0.000101	2.84%
Sn 189.927†	-0.4	-0.00092	mg/L	0.000975	-0.00092	mg/L	0.000975	105.52%
Ti 334.940†	76.3	0.00007	mg/L	0.000109	0.00007	mg/L	0.000109	163.09%
Tl 190.801†	1.5	0.00134	mg/L	0.004339	0.00134	mg/L	0.004339	323.12%
V 290.880†	-213.9	-0.00020	mg/L	0.001180	-0.00020	mg/L	0.001180	587.04%
Zn 206.200†	49.4	0.00115	mg/L	0.000133	0.00115	mg/L	0.000133	11.55%
K 766.490†	-3.2	0.0171	mg/L	0.04090	0.0171	mg/L	0.04090	239.55%
Na 589.592†	-870.4	-0.0597	mg/L	0.01457	-0.0597	mg/L	0.01457	24.40%
Sr 407.771†	28.6	-0.00025	mg/L	0.000082	-0.00025	mg/L	0.000082	32.82%
Li 670.784†	-59.6	0.00020	mg/L	0.002011	0.00020	mg/L	0.002011	991.35%

Sequence No.: 35 **Autosampler Location: 80**
Sample ID: L1102041205 **Date Collected: 2/18/2011 7:37:53 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041205

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102041205

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5235203.2						80583.96	1.54%
YRADIAL	329861.0						3071.34	0.93%
Ga 417.206	1348676.9						15403.32	1.14%
GaRADIAL	67995.6						1779.62	2.62%
Ag 328.068†	-147.3	-0.00031	mg/L	0.000306	-0.00031	mg/L	0.000306	99.78%
Al 396.153†	284.9	0.0501	mg/L	0.01100	0.0501	mg/L	0.01100	21.94%
As 188.979†	-0.4	-0.00029	mg/L	0.002129	-0.00029	mg/L	0.002129	741.25%
Ba 233.527†	43.0	0.00053	mg/L	0.000040	0.00053	mg/L	0.000040	7.46%
Be 234.861†	-52.2	-0.00010	mg/L	0.000020	-0.00010	mg/L	0.000020	19.14%
B 249.677†	607.6	0.0133	mg/L	0.00087	0.0133	mg/L	0.00087	6.59%
Ca 227.546†	28.7	0.219	mg/L	0.0437	0.219	mg/L	0.0437	19.95%
Cd 228.802†	-0.5	0.00012	mg/L	0.000121	0.00012	mg/L	0.000121	100.16%
Co 228.616†	3.8	0.00033	mg/L	0.000349	0.00033	mg/L	0.000349	105.41%
Cr 267.716†	240.4	0.00164	mg/L	0.000103	0.00164	mg/L	0.000103	6.29%
Cu 327.393†	2859.1	0.0195	mg/L	0.00054	0.0195	mg/L	0.00054	2.78%
Fe 239.562†	17.1	0.0332	mg/L	0.00298	0.0332	mg/L	0.00298	8.99%
Mg 279.077†	9.4	0.00769	mg/L	0.004891	0.00769	mg/L	0.004891	63.63%
Mn 257.610†	363.6	0.00057	mg/L	0.000025	0.00057	mg/L	0.000025	4.35%
Mo 202.031†	1.9	0.00021	mg/L	0.000205	0.00021	mg/L	0.000205	99.85%
Ni 231.604†	51.0	0.00154	mg/L	0.000122	0.00154	mg/L	0.000122	7.91%
Pb 220.353†	2.0	0.00035	mg/L	0.000872	0.00035	mg/L	0.000872	249.57%
Sb 206.836†	0.3	0.00133	mg/L	0.000575	0.00133	mg/L	0.000575	43.18%
Se 196.026†	1.4	-0.00146	mg/L	0.002447	-0.00146	mg/L	0.002447	167.33%
Si 251.611†	3312.6	0.0964	mg/L	0.00133	0.0964	mg/L	0.00133	1.38%
Sn 189.927†	2.3	-0.00045	mg/L	0.000831	-0.00045	mg/L	0.000831	186.38%
Ti 334.940†	1017.1	0.00136	mg/L	0.000155	0.00136	mg/L	0.000155	11.35%
Tl 190.801†	5.5	0.00369	mg/L	0.001875	0.00369	mg/L	0.001875	50.83%
V 290.880†	-322.6	-0.00093	mg/L	0.000337	-0.00093	mg/L	0.000337	36.42%
Zn 206.200†	204.2	0.00584	mg/L	0.000197	0.00584	mg/L	0.000197	3.37%
K 766.490†	326.1	0.142	mg/L	0.0306	0.142	mg/L	0.0306	21.63%
Na 589.592†	890.1	0.0673	mg/L	0.00340	0.0673	mg/L	0.00340	5.06%
Sr 407.771†	607.1	0.00031	mg/L	0.000040	0.00031	mg/L	0.000040	12.77%
Li 670.784†	-72.1	0.00005	mg/L	0.001339	0.00005	mg/L	0.001339	>999.9%

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Sequence No.: 36 **Autosampler Location: 81**
Sample ID: L1102041206 **Date Collected: 2/18/2011 7:44:32 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041206

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041206

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5292837.4						27541.45	0.52%
YRADIAL	329039.0						2487.25	0.76%
Ga 417.206	1356696.8						21953.97	1.62%
GaRADIAL	67465.9						969.37	1.44%
Ag 328.068†	-166.2	-0.00040	mg/L	0.000905	-0.00040	mg/L	0.000905	227.48%
Al 396.153†	49.1	0.00286	mg/L	0.009529	0.00286	mg/L	0.009529	333.15%
As 188.979†	0.6	0.00058	mg/L	0.004542	0.00058	mg/L	0.004542	784.32%
Ba 233.527†	11.1	-0.00001	mg/L	0.000039	-0.00001	mg/L	0.000039	457.14%
Be 234.861†	-46.8	-0.00009	mg/L	0.000038	-0.00009	mg/L	0.000038	42.94%
B 249.677†	485.7	0.0109	mg/L	0.00029	0.0109	mg/L	0.00029	2.71%
Ca 227.546†	8.1	0.0239	mg/L	0.03957	0.0239	mg/L	0.03957	165.42%
Cd 228.802†	-0.5	0.00011	mg/L	0.000113	0.00011	mg/L	0.000113	98.44%

Co 228.616†	-0.2	0.00013 mg/L	0.000288	0.00013 mg/L	0.000288	228.00%
Cr 267.716†	242.8	0.00167 mg/L	0.000078	0.00167 mg/L	0.000078	4.68%
Cu 327.393†	267.0	0.00155 mg/L	0.000312	0.00155 mg/L	0.000312	20.10%
Fe 239.562†	3.5	0.00368 mg/L	0.000974	0.00368 mg/L	0.000974	26.46%
Mg 279.077†	-9.8	-0.0157 mg/L	0.00659	-0.0157 mg/L	0.00659	42.09%
Mn 257.610†	113.3	-0.00001 mg/L	0.000020	-0.00001 mg/L	0.000020	215.03%
Mo 202.031†	-3.7	-0.00021 mg/L	0.000172	-0.00021 mg/L	0.000172	80.34%
Ni 231.604†	-2.9	-0.00003 mg/L	0.000158	-0.00003 mg/L	0.000158	523.71%
Pb 220.353†	-3.4	-0.00055 mg/L	0.000707	-0.00055 mg/L	0.000707	127.72%
Sb 206.836†	-0.5	0.00082 mg/L	0.000885	0.00082 mg/L	0.000885	107.86%
Se 196.026†	6.8	0.00229 mg/L	0.002092	0.00229 mg/L	0.002092	91.38%
Si 251.611†	543.0	0.0154 mg/L	0.00039	0.0154 mg/L	0.00039	2.55%
Sn 189.927†	1.1	-0.00066 mg/L	0.000858	-0.00066 mg/L	0.000858	130.54%
Ti 334.940†	255.1	0.00031 mg/L	0.000078	0.00031 mg/L	0.000078	24.93%
Tl 190.801†	3.4	0.00244 mg/L	0.002471	0.00244 mg/L	0.002471	101.46%
V 290.880†	-377.7	-0.00130 mg/L	0.000439	-0.00130 mg/L	0.000439	33.87%
Zn 206.200†	108.5	0.00294 mg/L	0.000050	0.00294 mg/L	0.000050	1.71%
K 766.490†	151.1	0.0754 mg/L	0.02199	0.0754 mg/L	0.02199	29.16%
Na 589.592†	3.9	0.00339 mg/L	0.007866	0.00339 mg/L	0.007866	232.14%
Sr 407.771†	205.8	-0.00008 mg/L	0.000064	-0.00008 mg/L	0.000064	84.85%
Li 670.784†	-116.6	-0.00051 mg/L	0.000500	-0.00051 mg/L	0.000500	98.62%

Sequence No.: 37 **Autosampler Location: 82**
Sample ID: L1102041207 **Date Collected: 2/18/2011 7:51:12 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041207

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041207

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5156788.7						60920.46	1.18%
YRADIAL	325672.9						5036.33	1.55%
Ga 417.206	1315870.7						21364.70	1.62%
GaRADIAL	66629.5						632.72	0.95%
Ag 328.068†	-187.4	-0.00050	mg/L	0.000278	-0.00050	mg/L	0.000278	55.34%
Al 396.153†	41.2	0.00128	mg/L	0.005903	0.00128	mg/L	0.005903	462.11%
As 188.979†	-0.6	-0.00051	mg/L	0.002304	-0.00051	mg/L	0.002304	451.55%
Ba 233.527†	3.1	-0.00014	mg/L	0.000066	-0.00014	mg/L	0.000066	46.79%
Be 234.861†	-57.0	-0.00011	mg/L	0.000041	-0.00011	mg/L	0.000041	39.03%
B 249.677†	502.2	0.0112	mg/L	0.00027	0.0112	mg/L	0.00027	2.41%
Ca 227.546†	3.4	-0.0204	mg/L	0.02402	-0.0204	mg/L	0.02402	117.84%
Cd 228.802†	-2.0	0.00003	mg/L	0.000157	0.00003	mg/L	0.000157	451.22%
Co 228.616†	-3.6	-0.00005	mg/L	0.000242	-0.00005	mg/L	0.000242	506.44%
Cr 267.716†	37.0	-0.00015	mg/L	0.000089	-0.00015	mg/L	0.000089	58.51%
Cu 327.393†	-22.2	-0.00045	mg/L	0.000528	-0.00045	mg/L	0.000528	116.78%
Fe 239.562†	2.5	0.00163	mg/L	0.000975	0.00163	mg/L	0.000975	59.93%
Mg 279.077†	-8.2	-0.0137	mg/L	0.00201	-0.0137	mg/L	0.00201	14.72%
Mn 257.610†	4.4	-0.00026	mg/L	0.000026	-0.00026	mg/L	0.000026	9.95%
Mo 202.031†	-4.0	-0.00023	mg/L	0.000203	-0.00023	mg/L	0.000203	87.17%
Ni 231.604†	9.5	0.00033	mg/L	0.000336	0.00033	mg/L	0.000336	100.93%
Pb 220.353†	-4.9	-0.00081	mg/L	0.000476	-0.00081	mg/L	0.000476	59.06%
Sb 206.836†	-3.0	-0.00079	mg/L	0.001563	-0.00079	mg/L	0.001563	198.28%
Se 196.026†	-1.9	-0.00394	mg/L	0.002733	-0.00394	mg/L	0.002733	69.31%
Si 251.611†	168.9	0.00446	mg/L	0.000815	0.00446	mg/L	0.000815	18.30%
Sn 189.927†	-1.2	-0.00106	mg/L	0.000337	-0.00106	mg/L	0.000337	31.80%
Ti 334.940†	124.3	0.00013	mg/L	0.000066	0.00013	mg/L	0.000066	49.84%
Tl 190.801†	-3.1	-0.00138	mg/L	0.000553	-0.00138	mg/L	0.000553	40.03%
V 290.880†	-248.8	-0.00043	mg/L	0.000795	-0.00043	mg/L	0.000795	183.00%
Zn 206.200†	59.5	0.00145	mg/L	0.000085	0.00145	mg/L	0.000085	5.87%
K 766.490†	-1.1	0.0179	mg/L	0.01611	0.0179	mg/L	0.01611	90.13%
Na 589.592†	-868.8	-0.0596	mg/L	0.00210	-0.0596	mg/L	0.00210	3.52%
Sr 407.771†	24.7	-0.00025	mg/L	0.000015	-0.00025	mg/L	0.000015	5.78%
Li 670.784†	-133.9	-0.00072	mg/L	0.000573	-0.00072	mg/L	0.000573	79.37%

Sequence No.: 38 **Autosampler Location: 83**
Sample ID: L1102041208 **Date Collected: 2/18/2011 7:57:50 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041208

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041208

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5247610.0						20352.79	0.39%
YRADIAL	329584.3						3901.77	1.18%
Ga 417.206	1340514.5						9327.78	0.70%
GaRADIAL	67581.0						1418.76	2.10%
Ag 328.068†	-123.4	-0.00019	mg/L	0.000876	-0.00019	mg/L	0.000876	462.62%
Al 396.153†	295.0	0.0522	mg/L	0.00208	0.0522	mg/L	0.00208	3.99%
As 188.979†	0.6	0.00056	mg/L	0.001988	0.00056	mg/L	0.001988	353.82%
Ba 233.527†	37.4	0.00044	mg/L	0.000082	0.00044	mg/L	0.000082	18.67%
Be 234.861†	-40.1	-0.00009	mg/L	0.000028	-0.00009	mg/L	0.000028	33.17%
B 249.677†	588.9	0.0130	mg/L	0.00022	0.0130	mg/L	0.00022	1.66%
Ca 227.546†	19.4	0.130	mg/L	0.0497	0.130	mg/L	0.0497	38.17%
Cd 228.802†	1.0	0.00020	mg/L	0.000172	0.00020	mg/L	0.000172	87.82%
Co 228.616†	5.1	0.00039	mg/L	0.000127	0.00039	mg/L	0.000127	32.24%
Cr 267.716†	91.0	0.00032	mg/L	0.000108	0.00032	mg/L	0.000108	33.24%
Cu 327.393†	4331.0	0.0298	mg/L	0.00115	0.0298	mg/L	0.00115	3.86%
Fe 239.562†	23.7	0.0474	mg/L	0.00243	0.0474	mg/L	0.00243	5.13%
Mg 279.077†	11.5	0.0102	mg/L	0.00106	0.0102	mg/L	0.00106	10.41%
Mn 257.610†	557.5	0.00102	mg/L	0.000013	0.00102	mg/L	0.000013	1.26%
Mo 202.031†	-0.3	0.00005	mg/L	0.000752	0.00005	mg/L	0.000752	>999.9%
Ni 231.604†	11.1	0.00038	mg/L	0.000194	0.00038	mg/L	0.000194	51.08%
Pb 220.353†	2.1	0.00035	mg/L	0.001492	0.00035	mg/L	0.001492	421.98%
Sb 206.836†	-1.9	-0.00007	mg/L	0.002161	-0.00007	mg/L	0.002161	>999.9%
Se 196.026†	-1.9	-0.00390	mg/L	0.002440	-0.00390	mg/L	0.002440	62.60%
Si 251.611†	3886.9	0.113	mg/L	0.0032	0.113	mg/L	0.0032	2.83%
Sn 189.927†	0.8	-0.00071	mg/L	0.000703	-0.00071	mg/L	0.000703	98.56%
Ti 334.940†	1416.0	0.00191	mg/L	0.000167	0.00191	mg/L	0.000167	8.76%
Tl 190.801†	-0.0	0.00045	mg/L	0.001674	0.00045	mg/L	0.001674	371.09%
V 290.880†	-345.5	-0.00108	mg/L	0.000510	-0.00108	mg/L	0.000510	47.31%
Zn 206.200†	305.5	0.00891	mg/L	0.000174	0.00891	mg/L	0.000174	1.95%
K 766.490†	584.8	0.239	mg/L	0.0317	0.239	mg/L	0.0317	13.26%
Na 589.592†	1868.2	0.138	mg/L	0.0087	0.138	mg/L	0.0087	6.28%
Sr 407.771†	420.0	0.00013	mg/L	0.000073	0.00013	mg/L	0.000073	56.36%
Li 670.784†	-155.5	-0.00099	mg/L	0.000590	-0.00099	mg/L	0.000590	59.54%

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Sequence No.: 39 **Autosampler Location: 84**
Sample ID: L1102041209 **Date Collected: 2/18/2011 8:04:29 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041209

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041209

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5173966.4						70365.60	1.36%
YRADIAL	327897.3						5272.17	1.61%
Ga 417.206	1337107.4						29212.98	2.18%
GaRADIAL	66494.7						2020.15	3.04%
Ag 328.068†	-104.7	-0.00011	mg/L	0.000262	-0.00011	mg/L	0.000262	246.17%
Al 396.153†	1961.8	0.386	mg/L	0.0149	0.386	mg/L	0.0149	3.86%
As 188.979†	-1.1	-0.00096	mg/L	0.002315	-0.00096	mg/L	0.002315	240.99%
Ba 233.527†	169.6	0.00267	mg/L	0.000047	0.00267	mg/L	0.000047	1.76%

Be 234.861†	-6.3	-0.00008 mg/L	0.000012	-0.00008 mg/L	0.000012	15.84%
B 249.677†	365.3	0.00949 mg/L	0.000531	0.00949 mg/L	0.000531	5.60%
Ca 227.546†	81.2	0.711 mg/L	0.0306	0.711 mg/L	0.0306	4.30%
Cd 228.802†	0.2	0.00017 mg/L	0.000154	0.00017 mg/L	0.000154	93.51%
Co 228.616†	3.5	0.00027 mg/L	0.000111	0.00027 mg/L	0.000111	40.84%
Cr 267.716†	501.5	0.00394 mg/L	0.000144	0.00394 mg/L	0.000144	3.65%
Cu 327.393†	3250.6	0.0223 mg/L	0.00052	0.0223 mg/L	0.00052	2.31%
Fe 239.562†	134.8	0.288 mg/L	0.0038	0.288 mg/L	0.0038	1.32%
Mg 279.077†	117.7	0.139 mg/L	0.0068	0.139 mg/L	0.0068	4.88%
Mn 257.610†	2752.3	0.00612 mg/L	0.000104	0.00612 mg/L	0.000104	1.70%
Mo 202.031†	-0.4	0.00005 mg/L	0.000186	0.00005 mg/L	0.000186	346.79%
Ni 231.604†	16.5	0.00053 mg/L	0.000117	0.00053 mg/L	0.000117	21.93%
Pb 220.353†	8.4	0.00146 mg/L	0.001585	0.00146 mg/L	0.001585	108.49%
Sb 206.836†	-0.7	0.00071 mg/L	0.001902	0.00071 mg/L	0.001902	268.31%
Se 196.026†	2.7	-0.00037 mg/L	0.004685	-0.00037 mg/L	0.004685	>999.9%
Si 251.611†	29687.2	0.868 mg/L	0.0268	0.868 mg/L	0.0268	3.08%
Sn 189.927†	-0.8	-0.00098 mg/L	0.000298	-0.00098 mg/L	0.000298	30.47%
Ti 334.940†	13607.9	0.0187 mg/L	0.00090	0.0187 mg/L	0.00090	4.81%
Tl 190.801†	5.4	0.00379 mg/L	0.001713	0.00379 mg/L	0.001713	45.14%
V 290.880†	-121.1	0.00044 mg/L	0.000512	0.00044 mg/L	0.000512	115.73%
Zn 206.200†	272.8	0.00792 mg/L	0.000086	0.00792 mg/L	0.000086	1.09%
K 766.490†	636.3	0.259 mg/L	0.0076	0.259 mg/L	0.0076	2.95%
Na 589.592†	1548.3	0.115 mg/L	0.0093	0.115 mg/L	0.0093	8.06%
Sr 407.771†	1796.5	0.00145 mg/L	0.000171	0.00145 mg/L	0.000171	11.80%
Li 670.784†	-46.0	0.00037 mg/L	0.000977	0.00037 mg/L	0.000977	261.67%

Sequence No.: 40 **Autosampler Location: 85**
Sample ID: L1102041210 **Date Collected: 2/18/2011 8:11:11 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041210

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041210

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5214077.6						55723.68	1.07%
YRADIAL	329520.7						3910.22	1.19%
Ga 417.206	1358320.4						26863.02	1.98%
GaRADIAL	66780.3						653.79	0.98%
Ag 328.068†	-163.6	-0.00039	mg/L	0.000724	-0.00039	mg/L	0.000724	186.42%
Al 396.153†	136.2	0.0203	mg/L	0.01504	0.0203	mg/L	0.01504	73.98%
As 188.979†	-0.6	-0.00051	mg/L	0.002644	-0.00051	mg/L	0.002644	522.39%
Ba 233.527†	12.7	0.00002	mg/L	0.000099	0.00002	mg/L	0.000099	494.20%
Be 234.861†	-38.9	-0.00009	mg/L	0.000019	-0.00009	mg/L	0.000019	21.51%
B 249.677†	360.1	0.00875	mg/L	0.000287	0.00875	mg/L	0.000287	3.28%
Ca 227.546†	11.8	0.0587	mg/L	0.07638	0.0587	mg/L	0.07638	130.17%
Cd 228.802†	1.4	0.00023	mg/L	0.000067	0.00023	mg/L	0.000067	29.35%
Co 228.616†	7.7	0.00053	mg/L	0.000261	0.00053	mg/L	0.000261	49.36%
Cr 267.716†	93.6	0.00035	mg/L	0.000044	0.00035	mg/L	0.000044	12.56%
Cu 327.393†	588.3	0.00379	mg/L	0.000349	0.00379	mg/L	0.000349	9.21%
Fe 239.562†	30.9	0.0631	mg/L	0.00201	0.0631	mg/L	0.00201	3.19%
Mg 279.077†	3.3	0.00023	mg/L	0.002240	0.00023	mg/L	0.002240	995.06%
Mn 257.610†	341.5	0.00051	mg/L	0.000017	0.00051	mg/L	0.000017	3.28%
Mo 202.031†	-2.6	-0.00012	mg/L	0.000379	-0.00012	mg/L	0.000379	304.44%
Ni 231.604†	14.1	0.00047	mg/L	0.000105	0.00047	mg/L	0.000105	22.53%
Pb 220.353†	-3.6	-0.00060	mg/L	0.001085	-0.00060	mg/L	0.001085	181.12%
Sb 206.836†	-0.5	0.00082	mg/L	0.002220	0.00082	mg/L	0.002220	271.55%
Se 196.026†	2.5	-0.00075	mg/L	0.004466	-0.00075	mg/L	0.004466	593.14%
Si 251.611†	1305.5	0.0377	mg/L	0.00124	0.0377	mg/L	0.00124	3.28%
Sn 189.927†	3.6	-0.00023	mg/L	0.000387	-0.00023	mg/L	0.000387	170.82%
Ti 334.940†	579.2	0.00076	mg/L	0.000101	0.00076	mg/L	0.000101	13.34%
Tl 190.801†	1.8	0.00150	mg/L	0.001431	0.00150	mg/L	0.001431	95.35%
V 290.880†	-353.1	-0.00113	mg/L	0.000775	-0.00113	mg/L	0.000775	68.70%
Zn 206.200†	76.5	0.00197	mg/L	0.000112	0.00197	mg/L	0.000112	5.68%
K 766.490†	181.7	0.0870	mg/L	0.06790	0.0870	mg/L	0.06790	78.07%
Na 589.592†	364.2	0.0294	mg/L	0.00526	0.0294	mg/L	0.00526	17.90%

Sr 407.771†	331.9	0.00004 mg/L	0.000064	0.00004 mg/L	0.000064	155.38%
Li 670.784†	-95.8	-0.00025 mg/L	0.002388	-0.00025 mg/L	0.002388	963.35%

Sequence No.: 41 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/18/2011 8:17:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4975669.9						63156.97	1.27%
YRADIAL	319185.3						821.40	0.26%
Ga 417.206	1251173.6						22768.66	1.82%
GaRADIAL	64640.0						1272.09	1.97%
Ag 328.068†	85204.6	0.425	mg/L	0.0100	0.425	mg/L	0.0100	2.36%
QC value within limits for Ag 328.068 Recovery = 106.13%								
Al 396.153†	54000.8	10.8	mg/L	0.06	10.8	mg/L	0.06	0.53%
QC value within limits for Al 396.153 Recovery = 108.05%								
As 188.979†	475.5	0.431	mg/L	0.0114	0.431	mg/L	0.0114	2.65%
QC value within limits for As 188.979 Recovery = 107.87%								
Ba 233.527†	55202.4	0.937	mg/L	0.0186	0.937	mg/L	0.0186	1.99%
QC value within limits for Ba 233.527 Recovery = 93.67%								
Be 234.861†	31608.0	0.0545	mg/L	0.00107	0.0545	mg/L	0.00107	1.96%
QC value within limits for Be 234.861 Recovery = 108.93%								
B 249.677†	28300.0	0.541	mg/L	0.0122	0.541	mg/L	0.0122	2.25%
QC value within limits for B 249.677 Recovery = 108.18%								
Ca 227.546†	1119.2	10.8	mg/L	0.22	10.8	mg/L	0.22	2.04%
QC value within limits for Ca 227.546 Recovery = 107.95%								
Cd 228.802†	944.0	0.0517	mg/L	0.00071	0.0517	mg/L	0.00071	1.37%
QC value within limits for Cd 228.802 Recovery = 103.33%								
Co 228.616†	3630.1	0.184	mg/L	0.0026	0.184	mg/L	0.0026	1.39%
QC value within limits for Co 228.616 Recovery = 91.97%								
Cr 267.716†	52699.3	0.465	mg/L	0.0102	0.465	mg/L	0.0102	2.18%
QC value within limits for Cr 267.716 Recovery = 93.09%								
Cu 327.393†	77245.7	0.537	mg/L	0.0123	0.537	mg/L	0.0123	2.29%
QC value within limits for Cu 327.393 Recovery = 107.45%								
Fe 239.562†	1695.2	3.67	mg/L	0.038	3.67	mg/L	0.038	1.04%
QC value within limits for Fe 239.562 Recovery = 91.77%								
Mg 279.077†	7563.4	9.21	mg/L	0.042	9.21	mg/L	0.042	0.46%
QC value within limits for Mg 279.077 Recovery = 92.08%								
Mn 257.610†	208482.5	0.475	mg/L	0.0109	0.475	mg/L	0.0109	2.29%
QC value within limits for Mn 257.610 Recovery = 94.92%								
Mo 202.031†	12501.3	0.935	mg/L	0.0201	0.935	mg/L	0.0201	2.15%
QC value within limits for Mo 202.031 Recovery = 93.50%								
Ni 231.604†	15978.6	0.465	mg/L	0.0095	0.465	mg/L	0.0095	2.05%
QC value within limits for Ni 231.604 Recovery = 93.01%								
Pb 220.353†	2782.1	0.475	mg/L	0.0066	0.475	mg/L	0.0066	1.39%
QC value within limits for Pb 220.353 Recovery = 94.90%								
Sb 206.836†	2059.4	1.32	mg/L	0.018	1.32	mg/L	0.018	1.38%
QC value greater than the upper limit for Sb 206.836 Recovery = 110.30%								
Se 196.026†	602.2	0.431	mg/L	0.0062	0.431	mg/L	0.0062	1.44%
QC value within limits for Se 196.026 Recovery = 107.85%								
Si 251.611†	183308.7	5.35	mg/L	0.120	5.35	mg/L	0.120	2.25%
QC value within limits for Si 251.611 Recovery = 106.95%								
Sn 189.927†	5438.5	0.938	mg/L	0.0133	0.938	mg/L	0.0133	1.42%
QC value within limits for Sn 189.927 Recovery = 93.78%								
Ti 334.940†	689066.9	0.947	mg/L	0.0035	0.947	mg/L	0.0035	0.37%
QC value within limits for Ti 334.940 Recovery = 94.74%								
Tl 190.801†	799.1	0.484	mg/L	0.0108	0.484	mg/L	0.0108	2.23%
QC value within limits for Tl 190.801 Recovery = 96.75%								
V 290.880†	138291.7	0.926	mg/L	0.0235	0.926	mg/L	0.0235	2.54%
QC value within limits for V 290.880 Recovery = 92.63%								
Zn 206.200†	30812.2	0.935	mg/L	0.0179	0.935	mg/L	0.0179	1.92%
QC value within limits for Zn 206.200 Recovery = 93.48%								

K 766.490† 135876.8 52.2 mg/L 0.38 52.2 mg/L 0.38 0.73%
QC value within limits for K 766.490 Recovery = 104.46%
Na 589.592† 714505.2 53.0 mg/L 0.53 53.0 mg/L 0.53 1.00%
QC value within limits for Na 589.592 Recovery = 105.93%
Sr 407.771† 858244.8 0.840 mg/L 0.0817 0.840 mg/L 0.0817 9.72%
QC value less than the lower limit for Sr 407.771 Recovery = 84.02%
Li 670.784† 85242.7 1.06 mg/L 0.003 1.06 mg/L 0.003 0.29%
QC value within limits for Li 670.784 Recovery = 106.26%
QC Failed. Continue with analysis.

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Sequence No.: 42 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/18/2011 8:24:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5122569.7						68771.73	1.34%
YRADIAL	322872.5						6192.84	1.92%
Ga 417.206	1287920.1						10256.09	0.80%
GaRADIAL	64956.8						135.19	0.21%
Ag 328.068†	9.7	0.00048	mg/L	0.000458	0.00048	mg/L	0.000458	95.88%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	75.8	0.00820	mg/L	0.014541	0.00820	mg/L	0.014541	177.25%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.6	0.00054	mg/L	0.001342	0.00054	mg/L	0.001342	249.78%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	9.0	-0.00004	mg/L	0.000062	-0.00004	mg/L	0.000062	147.90%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-78.1	-0.00014	mg/L	0.000011	-0.00014	mg/L	0.000011	8.14%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	209.0	0.00560	mg/L	0.000105	0.00560	mg/L	0.000105	1.88%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	4.9	-0.00681	mg/L	0.044450	-0.00681	mg/L	0.044450	652.59%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	1.9	0.00025	mg/L	0.000103	0.00025	mg/L	0.000103	41.27%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	7.0	0.00050	mg/L	0.000228	0.00050	mg/L	0.000228	45.55%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.5	-0.00045	mg/L	0.000079	-0.00045	mg/L	0.000079	17.62%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-1.8	-0.00031	mg/L	0.000343	-0.00031	mg/L	0.000343	109.86%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	0.5	-0.00278	mg/L	0.002465	-0.00278	mg/L	0.002465	88.67%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-9.4	-0.0151	mg/L	0.00307	-0.0151	mg/L	0.00307	20.29%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	24.9	-0.00021	mg/L	0.000015	-0.00021	mg/L	0.000015	7.25%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.2	0.00015	mg/L	0.000223	0.00015	mg/L	0.000223	145.19%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-3.2	-0.00004	mg/L	0.000164	-0.00004	mg/L	0.000164	440.31%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-9.3	-0.00155	mg/L	0.000980	-0.00155	mg/L	0.000980	63.45%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-1.2	0.00042	mg/L	0.001760	0.00042	mg/L	0.001760	423.16%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	0.1	-0.00248	mg/L	0.002362	-0.00248	mg/L	0.002362	95.38%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	77.8	0.00179	mg/L	0.000678	0.00179	mg/L	0.000678	37.98%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	1.2	-0.00064	mg/L	0.000130	-0.00064	mg/L	0.000130	20.40%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	233.3	0.00028	mg/L	0.000079	0.00028	mg/L	0.000079	27.77%

QC value within limits for Ti 334.940 Recovery = Not calculated

Tl 190.801†	2.8	0.00213	mg/L	0.003421	0.00213	mg/L	0.003421 160.78%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 290.880†	-231.6	-0.00032	mg/L	0.001043	-0.00032	mg/L	0.001043 326.21%

QC value within limits for V 290.880 Recovery = Not calculated

Zn 206.200†	6.1	-0.00017	mg/L	0.000088	-0.00017	mg/L	0.000088 52.88%

QC value within limits for Zn 206.200 Recovery = Not calculated

K 766.490†	51.3	0.0377	mg/L	0.02636	0.0377	mg/L	0.02636 69.99%

QC value within limits for K 766.490 Recovery = Not calculated

Na 589.592†	-573.5	-0.0383	mg/L	0.00299	-0.0383	mg/L	0.00299 7.83%

QC value within limits for Na 589.592 Recovery = Not calculated

Sr 407.771†	143.2	-0.00014	mg/L	0.000035	-0.00014	mg/L	0.000035 26.07%

QC value within limits for Sr 407.771 Recovery = Not calculated

Li 670.784†	58.6	0.00168	mg/L	0.000308	0.00168	mg/L	0.000308 18.41%

QC value within limits for Li 670.784 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 43 **Autosampler Location: 86**
Sample ID: L1102041211 **Date Collected: 2/18/2011 8:31:15 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041211

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041211

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5154255.1						23869.55	0.46%
YRADIAL	328561.8						4307.68	1.31%
Ga 417.206	1323983.7						15321.82	1.16%
GaRADIAL	66263.1						1930.31	2.91%
Ag 328.068†	-52.0	0.00017	mg/L	0.000354	0.00017	mg/L	0.000354	207.26%
Al 396.153†	54.3	0.00389	mg/L	0.022954	0.00389	mg/L	0.022954	589.83%
As 188.979†	-3.4	-0.00305	mg/L	0.001703	-0.00305	mg/L	0.001703	55.75%
Ba 233.527†	0.6	-0.00018	mg/L	0.000033	-0.00018	mg/L	0.000033	17.95%
Be 234.861†	-75.2	-0.00014	mg/L	0.000025	-0.00014	mg/L	0.000025	18.06%
B 249.677†	310.2	0.00755	mg/L	0.000069	0.00755	mg/L	0.000069	0.91%
Ca 227.546†	-1.0	-0.0620	mg/L	0.06054	-0.0620	mg/L	0.06054	97.71%
Cd 228.802†	0.8	0.00021	mg/L	0.000172	0.00021	mg/L	0.000172	80.60%
Co 228.616†	6.4	0.00047	mg/L	0.000072	0.00047	mg/L	0.000072	15.31%
Cr 267.716†	37.1	-0.00015	mg/L	0.000101	-0.00015	mg/L	0.000101	67.09%
Cu 327.393†	67.7	0.00017	mg/L	0.000058	0.00017	mg/L	0.000058	33.89%
Fe 239.562†	2.8	0.00213	mg/L	0.004390	0.00213	mg/L	0.004390	206.16%
Mg 279.077†	-8.8	-0.0144	mg/L	0.00529	-0.0144	mg/L	0.00529	36.61%
Mn 257.610†	52.3	-0.00015	mg/L	0.000017	-0.00015	mg/L	0.000017	11.26%
Mo 202.031†	1.7	0.00020	mg/L	0.000187	0.00020	mg/L	0.000187	95.75%
Ni 231.604†	6.7	0.00025	mg/L	0.000087	0.00025	mg/L	0.000087	34.80%
Pb 220.353†	-3.5	-0.00057	mg/L	0.000479	-0.00057	mg/L	0.000479	83.32%
Sb 206.836†	-0.8	0.00062	mg/L	0.001473	0.00062	mg/L	0.001473	237.90%
Se 196.026†	-1.6	-0.00371	mg/L	0.004340	-0.00371	mg/L	0.004340	116.95%
Si 251.611†	332.2	0.00922	mg/L	0.000276	0.00922	mg/L	0.000276	2.99%
Sn 189.927†	-1.6	-0.00112	mg/L	0.000492	-0.00112	mg/L	0.000492	43.73%
Ti 334.940†	186.3	0.00022	mg/L	0.000123	0.00022	mg/L	0.000123	56.45%
Tl 190.801†	3.1	0.00230	mg/L	0.005295	0.00230	mg/L	0.005295	230.48%
V 290.880†	-235.8	-0.00035	mg/L	0.000596	-0.00035	mg/L	0.000596	171.60%
Zn 206.200†	57.0	0.00138	mg/L	0.000132	0.00138	mg/L	0.000132	9.60%
K 766.490†	42.7	0.0344	mg/L	0.01962	0.0344	mg/L	0.01962	57.01%
Na 589.592†	-732.9	-0.0498	mg/L	0.00325	-0.0498	mg/L	0.00325	6.53%
Sr 407.771†	131.6	-0.00015	mg/L	0.000021	-0.00015	mg/L	0.000021	13.97%
Li 670.784†	-125.7	-0.00062	mg/L	0.001498	-0.00062	mg/L	0.001498	241.61%

Sequence No.: 44 **Autosampler Location: 87**
Sample ID: L1102041212 **Date Collected: 2/18/2011 8:37:54 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041212

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041212

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	5216042.4						34151.94	0.65%
YRADIAL	331506.4						7989.04	2.41%
Ga 417.206	1303840.0						15358.16	1.18%
GaRADIAL	66583.3						1042.53	1.57%
Ag 328.068†	-45.3	0.00020	mg/L	0.000435	0.00020	mg/L	0.000435	213.39%
Al 396.153†	108.4	0.0147	mg/L	0.00870	0.0147	mg/L	0.00870	59.06%
As 188.979†	0.2	0.00019	mg/L	0.001656	0.00019	mg/L	0.001656	892.61%
Ba 233.527†	12.2	0.00001	mg/L	0.000045	0.00001	mg/L	0.000045	377.83%
Be 234.861†	-77.5	-0.00014	mg/L	0.000005	-0.00014	mg/L	0.000005	3.64%
B 249.677†	269.5	0.00676	mg/L	0.000058	0.00676	mg/L	0.000058	0.86%
Ca 227.546†	5.3	-0.00269	mg/L	0.085165	-0.00269	mg/L	0.085165	>999.9%
Cd 228.802†	1.2	0.00021	mg/L	0.000087	0.00021	mg/L	0.000087	42.34%
Co 228.616†	0.2	0.00015	mg/L	0.000220	0.00015	mg/L	0.000220	150.40%
Cr 267.716†	29.7	-0.00022	mg/L	0.000128	-0.00022	mg/L	0.000128	58.96%
Cu 327.393†	439.9	0.00275	mg/L	0.001212	0.00275	mg/L	0.001212	44.03%
Fe 239.562†	2.7	0.00204	mg/L	0.002837	0.00204	mg/L	0.002837	139.18%
Mg 279.077†	-6.1	-0.0112	mg/L	0.00832	-0.0112	mg/L	0.00832	74.30%
Mn 257.610†	65.6	-0.00012	mg/L	0.000021	-0.00012	mg/L	0.000021	18.50%
Mo 202.031†	-0.1	0.00006	mg/L	0.000234	0.00006	mg/L	0.000234	392.61%
Ni 231.604†	8.4	0.00030	mg/L	0.000326	0.00030	mg/L	0.000326	108.70%
Pb 220.353†	-3.0	-0.00049	mg/L	0.001347	-0.00049	mg/L	0.001347	276.49%
Sb 206.836†	1.1	0.00188	mg/L	0.001701	0.00188	mg/L	0.001701	90.67%
Se 196.026†	2.4	-0.00080	mg/L	0.002361	-0.00080	mg/L	0.002361	293.30%
Si 251.611†	813.6	0.0233	mg/L	0.00052	0.0233	mg/L	0.00052	2.25%
Sn 189.927†	0.3	-0.00080	mg/L	0.000505	-0.00080	mg/L	0.000505	63.25%
Ti 334.940†	345.2	0.00044	mg/L	0.000103	0.00044	mg/L	0.000103	23.60%
Tl 190.801†	2.8	0.00211	mg/L	0.001218	0.00211	mg/L	0.001218	57.85%
V 290.880†	-254.2	-0.00047	mg/L	0.000949	-0.00047	mg/L	0.000949	201.59%
Zn 206.200†	75.6	0.00194	mg/L	0.000148	0.00194	mg/L	0.000148	7.62%
K 766.490†	134.9	0.0693	mg/L	0.04170	0.0693	mg/L	0.04170	60.17%
Na 589.592†	-221.9	-0.0129	mg/L	0.00374	-0.0129	mg/L	0.00374	28.98%
Sr 407.771†	160.6	-0.00012	mg/L	0.000037	-0.00012	mg/L	0.000037	30.93%
Li 670.784†	-36.2	0.00049	mg/L	0.001085	0.00049	mg/L	0.001085	219.51%

Sequence No.: 45 **Autosampler Location: 88**
Sample ID: L1102041213 **Date Collected: 2/18/2011 8:44:33 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041213

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041213

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	5242406.9						21663.41	0.41%
YRADIAL	327768.2						4339.78	1.32%
Ga 417.206	1324060.4						4168.11	0.31%
GaRADIAL	65700.7						691.57	1.05%
Ag 328.068†	-11.2	0.00037	mg/L	0.000868	0.00037	mg/L	0.000868	233.33%
Al 396.153†	-7.1	-0.00841	mg/L	0.004289	-0.00841	mg/L	0.004289	51.00%
As 188.979†	1.2	0.00109	mg/L	0.002258	0.00109	mg/L	0.002258	206.78%
Ba 233.527†	12.2	0.00001	mg/L	0.000066	0.00001	mg/L	0.000066	578.42%
Be 234.861†	-80.0	-0.00014	mg/L	0.000007	-0.00014	mg/L	0.000007	4.99%
B 249.677†	338.4	0.00808	mg/L	0.000242	0.00808	mg/L	0.000242	2.99%
Ca 227.546†	10.2	0.0430	mg/L	0.07271	0.0430	mg/L	0.07271	168.93%
Cd 228.802†	-0.1	0.00013	mg/L	0.000209	0.00013	mg/L	0.000209	157.75%
Co 228.616†	3.0	0.00029	mg/L	0.000216	0.00029	mg/L	0.000216	73.87%

Cr 267.716†	43.5	-0.00009	mg/L	0.000050	-0.00009 mg/L	0.000050 53.35%
Cu 327.393†	38.5	-0.00003	mg/L	0.001235	-0.00003 mg/L	0.001235 >999.9%
Fe 239.562†	1.4	-0.00093	mg/L	0.001395	-0.00093 mg/L	0.001395 150.34%
Mg 279.077†	-5.8	-0.0108	mg/L	0.00825	-0.0108 mg/L	0.00825 76.23%
Mn 257.610†	17.6	-0.00023	mg/L	0.000013	-0.00023 mg/L	0.000013 5.54%
Mo 202.031†	4.6	0.00041	mg/L	0.000346	0.00041 mg/L	0.000346 84.64%
Ni 231.604†	7.1	0.00026	mg/L	0.000098	0.00026 mg/L	0.000098 37.38%
Pb 220.353†	-2.6	-0.00041	mg/L	0.000808	-0.00041 mg/L	0.000808 196.20%
Sb 206.836†	-1.5	0.00021	mg/L	0.001860	0.00021 mg/L	0.001860 878.92%
Se 196.026†	3.6	0.00007	mg/L	0.001303	0.00007 mg/L	0.001303 >999.9%
Si 251.611†	237.8	0.00646	mg/L	0.000319	0.00646 mg/L	0.000319 4.94%
Sn 189.927†	-1.3	-0.00108	mg/L	0.000249	-0.00108 mg/L	0.000249 23.09%
Ti 334.940†	86.2	0.00008	mg/L	0.000127	0.00008 mg/L	0.000127 155.10%
Tl 190.801†	3.5	0.00253	mg/L	0.001512	0.00253 mg/L	0.001512 59.71%
V 290.880†	-366.4	-0.00122	mg/L	0.000254	-0.00122 mg/L	0.000254 20.83%
Zn 206.200†	105.0	0.00283	mg/L	0.000068	0.00283 mg/L	0.000068 2.41%
K 766.490†	158.5	0.0783	mg/L	0.03957	0.0783 mg/L	0.03957 50.56%
Na 589.592†	-757.9	-0.0516	mg/L	0.01103	-0.0516 mg/L	0.01103 21.39%
Sr 407.771†	55.5	-0.00022	mg/L	0.000052	-0.00022 mg/L	0.000052 23.35%
Li 670.784†	-125.0	-0.00061	mg/L	0.001516	-0.00061 mg/L	0.001516 247.94%

Sequence No.: 46 **Autosampler Location: 89**
Sample ID: L1102041214 **Date Collected: 2/18/2011 8:51:14 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041214

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041214

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5277411.4						58736.14	1.11%
YRADIAL	331283.5						7705.42	2.33%
Ga 417.206	1315689.6						9188.09	0.70%
GaRADIAL	65937.3						1688.64	2.56%
Ag 328.068†	-62.9	0.00011	mg/L	0.001101	0.00011	mg/L	0.001101	>999.9%
Al 396.153†	236.3	0.0404	mg/L	0.00658	0.0404	mg/L	0.00658	16.30%
As 188.979†	1.3	0.00124	mg/L	0.000765	0.00124	mg/L	0.000765	61.79%
Ba 233.527†	26.4	0.00025	mg/L	0.000127	0.00025	mg/L	0.000127	50.31%
Be 234.861†	-65.4	-0.00014	mg/L	0.000025	-0.00014	mg/L	0.000025	17.23%
B 249.677†	282.5	0.00756	mg/L	0.000280	0.00756	mg/L	0.000280	3.71%
Ca 227.546†	22.6	0.161	mg/L	0.0309	0.161	mg/L	0.0309	19.19%
Cd 228.802†	4.2	0.00037	mg/L	0.000209	0.00037	mg/L	0.000209	56.99%
Co 228.616†	-0.9	0.00008	mg/L	0.000270	0.00008	mg/L	0.000270	320.14%
Cr 267.716†	145.1	0.00080	mg/L	0.000054	0.00080	mg/L	0.000054	6.71%
Cu 327.393†	1337.3	0.00899	mg/L	0.001058	0.00899	mg/L	0.001058	11.77%
Fe 239.562†	60.5	0.127	mg/L	0.0075	0.127	mg/L	0.0075	5.89%
Mg 279.077†	7.2	0.00503	mg/L	0.006218	0.00503	mg/L	0.006218	123.56%
Mn 257.610†	490.4	0.00087	mg/L	0.000027	0.00087	mg/L	0.000027	3.07%
Mo 202.031†	3.7	0.00035	mg/L	0.000525	0.00035	mg/L	0.000525	151.68%
Ni 231.604†	12.7	0.00043	mg/L	0.000148	0.00043	mg/L	0.000148	34.77%
Pb 220.353†	-4.0	-0.00066	mg/L	0.001002	-0.00066	mg/L	0.001002	150.77%
Sb 206.836†	-0.6	0.00077	mg/L	0.001687	0.00077	mg/L	0.001687	219.31%
Se 196.026†	4.4	0.00070	mg/L	0.001998	0.00070	mg/L	0.001998	284.33%
Si 251.611†	3651.1	0.106	mg/L	0.0013	0.106	mg/L	0.0013	1.23%
Sn 189.927†	0.5	-0.00077	mg/L	0.000498	-0.00077	mg/L	0.000498	64.77%
Ti 334.940†	1201.9	0.00162	mg/L	0.000104	0.00162	mg/L	0.000104	6.41%
Tl 190.801†	1.5	0.00135	mg/L	0.000377	0.00135	mg/L	0.000377	27.89%
V 290.880†	-291.0	-0.00071	mg/L	0.000659	-0.00071	mg/L	0.000659	93.14%
Zn 206.200†	123.6	0.00339	mg/L	0.000239	0.00339	mg/L	0.000239	7.06%
K 766.490†	525.2	0.217	mg/L	0.0225	0.217	mg/L	0.0225	10.36%
Na 589.592†	772.4	0.0588	mg/L	0.00335	0.0588	mg/L	0.00335	5.69%
Sr 407.771†	369.3	0.00007	mg/L	0.000064	0.00007	mg/L	0.000064	91.45%
Li 670.784†	-117.3	-0.00052	mg/L	0.002577	-0.00052	mg/L	0.002577	499.80%

Sequence No.: 47 **Autosampler Location: 90**

Sample ID: L1102041215 **Date Collected: 2/18/2011 8:57:53 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041215

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102041215

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5275171.7						41857.35	0.79%
YRADIAL	330326.8						12262.86	3.71%
Ga 417.206	1330242.7						30518.16	2.29%
GaRADIAL	65807.0						1668.57	2.54%
Ag 328.068†	-24.4	0.00030	mg/L	0.000765	0.00030	mg/L	0.000765	258.34%
Al 396.153†	1116.6	0.217	mg/L	0.0141	0.217	mg/L	0.0141	6.51%
As 188.979†	1.5	0.00148	mg/L	0.002059	0.00148	mg/L	0.002059	139.34%
Ba 233.527†	117.3	0.00179	mg/L	0.000145	0.00179	mg/L	0.000145	8.10%
Be 234.861†	-54.1	-0.00013	mg/L	0.000068	-0.00013	mg/L	0.000068	51.55%
B 249.677†	132.2	0.00467	mg/L	0.000229	0.00467	mg/L	0.000229	4.91%
Ca 227.546†	113.1	1.01	mg/L	0.049	1.01	mg/L	0.049	4.87%
Cd 228.802†	1.9	0.00024	mg/L	0.000146	0.00024	mg/L	0.000146	60.45%
Co 228.616†	3.3	0.00029	mg/L	0.000155	0.00029	mg/L	0.000155	52.99%
Cr 267.716†	928.9	0.00773	mg/L	0.000036	0.00773	mg/L	0.000036	0.47%
Cu 327.393†	3268.0	0.0224	mg/L	0.00091	0.0224	mg/L	0.00091	4.05%
Fe 239.562†	76.6	0.162	mg/L	0.0088	0.162	mg/L	0.0088	5.43%
Mg 279.077†	64.7	0.0749	mg/L	0.00201	0.0749	mg/L	0.00201	2.68%
Mn 257.610†	1520.1	0.00327	mg/L	0.000028	0.00327	mg/L	0.000028	0.86%
Mo 202.031†	1.0	0.00015	mg/L	0.000123	0.00015	mg/L	0.000123	84.19%
Ni 231.604†	8.5	0.00030	mg/L	0.000203	0.00030	mg/L	0.000203	67.38%
Pb 220.353†	1.8	0.00035	mg/L	0.000904	0.00035	mg/L	0.000904	260.18%
Sb 206.836†	-0.9	0.00052	mg/L	0.001792	0.00052	mg/L	0.001792	343.25%
Se 196.026†	-2.2	-0.00386	mg/L	0.000750	-0.00386	mg/L	0.000750	19.40%
Si 251.611†	17146.4	0.501	mg/L	0.0228	0.501	mg/L	0.0228	4.55%
Sn 189.927†	6.2	0.00022	mg/L	0.000351	0.00022	mg/L	0.000351	162.71%
Ti 334.940†	4743.0	0.00649	mg/L	0.000111	0.00649	mg/L	0.000111	1.71%
Tl 190.801†	7.1	0.00464	mg/L	0.004136	0.00464	mg/L	0.004136	89.06%
V 290.880†	-338.6	-0.00102	mg/L	0.000381	-0.00102	mg/L	0.000381	37.18%
Zn 206.200†	213.1	0.00613	mg/L	0.000144	0.00613	mg/L	0.000144	2.35%
K 766.490†	631.8	0.257	mg/L	0.0375	0.257	mg/L	0.0375	14.56%
Na 589.592†	2194.4	0.161	mg/L	0.0132	0.161	mg/L	0.0132	8.17%
Sr 407.771†	2117.2	0.00178	mg/L	0.000201	0.00178	mg/L	0.000201	11.32%
Li 670.784†	-179.5	-0.00129	mg/L	0.001153	-0.00129	mg/L	0.001153	89.42%

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Sequence No.: 48 **Autosampler Location: 91**
Sample ID: L1102041216 **Date Collected: 2/18/2011 9:04:37 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041216

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102041216

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5253923.6						121033.54	2.30%
YRADIAL	325635.5						2608.43	0.80%
Ga 417.206	1338897.5						51788.15	3.87%
GaRADIAL	64820.9						815.72	1.26%
Ag 328.068†	-66.3	0.00010	mg/L	0.000349	0.00010	mg/L	0.000349	364.55%
Al 396.153†	302.1	0.0536	mg/L	0.01457	0.0536	mg/L	0.01457	27.20%
As 188.979†	3.1	0.00283	mg/L	0.002216	0.00283	mg/L	0.002216	78.33%
Ba 233.527†	36.5	0.00042	mg/L	0.000040	0.00042	mg/L	0.000040	9.45%
Be 234.861†	-78.1	-0.00015	mg/L	0.000051	-0.00015	mg/L	0.000051	34.64%

B 249.677†	253.4	0.00659 mg/L	0.000723	0.00659 mg/L	0.000723	10.97%
Ca 227.546†	24.8	0.182 mg/L	0.0337	0.182 mg/L	0.0337	18.55%
Cd 228.802†	2.2	0.00025 mg/L	0.000086	0.00025 mg/L	0.000086	34.48%
Co 228.616†	3.1	0.00029 mg/L	0.000257	0.00029 mg/L	0.000257	88.09%
Cr 267.716†	157.1	0.00091 mg/L	0.000057	0.00091 mg/L	0.000057	6.28%
Cu 327.393†	3234.0	0.0221 mg/L	0.00094	0.0221 mg/L	0.00094	4.24%
Fe 239.562†	20.0	0.0395 mg/L	0.00184	0.0395 mg/L	0.00184	4.67%
Mg 279.077†	8.7	0.00684 mg/L	0.004331	0.00684 mg/L	0.004331	63.33%
Mn 257.610†	468.1	0.00082 mg/L	0.000020	0.00082 mg/L	0.000020	2.44%
Mo 202.031†	2.1	0.00022 mg/L	0.000422	0.00022 mg/L	0.000422	187.75%
Ni 231.604†	19.4	0.00062 mg/L	0.000141	0.00062 mg/L	0.000141	22.90%
Pb 220.353†	17.1	0.00290 mg/L	0.001012	0.00290 mg/L	0.001012	34.89%
Sb 206.836†	-5.3	-0.00225 mg/L	0.001245	-0.00225 mg/L	0.001245	55.22%
Se 196.026†	2.2	-0.00092 mg/L	0.002595	-0.00092 mg/L	0.002595	281.81%
Si 251.611†	4530.5	0.132 mg/L	0.0098	0.132 mg/L	0.0098	7.43%
Sn 189.927†	9.5	0.00080 mg/L	0.000213	0.00080 mg/L	0.000213	26.66%
Ti 334.940†	1440.9	0.00195 mg/L	0.000102	0.00195 mg/L	0.000102	5.25%
Tl 190.801†	8.9	0.00573 mg/L	0.002043	0.00573 mg/L	0.002043	35.66%
V 290.880†	-284.9	-0.00067 mg/L	0.001417	-0.00067 mg/L	0.001417	210.19%
Zn 206.200†	163.0	0.00459 mg/L	0.000102	0.00459 mg/L	0.000102	2.21%
K 766.490†	413.3	0.175 mg/L	0.0146	0.175 mg/L	0.0146	8.36%
Na 589.592†	1188.4	0.0888 mg/L	0.00734	0.0888 mg/L	0.00734	8.26%
Sr 407.771†	393.4	0.00010 mg/L	0.000075	0.00010 mg/L	0.000075	71.80%
Li 670.784†	-75.9	0.00000 mg/L	0.001683	0.00000 mg/L	0.001683	>999.9%

Sequence No.: 49 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/18/2011 9:11:20 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	4967243.9						86631.08	1.74%
YRADIAL	318510.1						2134.43	0.67%
Ga 417.206	1233441.5						19043.77	1.54%
GaRADIAL	62949.5						1321.35	2.10%
Ag 328.068†	86320.2	0.430	mg/L	0.0097	0.430	mg/L	0.0097	2.26%
QC value within limits for Ag 328.068 Recovery = 107.51%								
Al 396.153†	54998.9	11.0	mg/L	0.02	11.0	mg/L	0.02	0.19%
QC value greater than the upper limit for Al 396.153 Recovery = 110.05%								
As 188.979†	477.1	0.433	mg/L	0.0045	0.433	mg/L	0.0045	1.03%
QC value within limits for As 188.979 Recovery = 108.23%								
Ba 233.527†	55499.6	0.942	mg/L	0.0215	0.942	mg/L	0.0215	2.29%
QC value within limits for Ba 233.527 Recovery = 94.18%								
Be 234.861†	32228.1	0.0555	mg/L	0.00145	0.0555	mg/L	0.00145	2.61%
QC value greater than the upper limit for Be 234.861 Recovery = 111.05%								
B 249.677†	28263.5	0.540	mg/L	0.0130	0.540	mg/L	0.0130	2.41%
QC value within limits for B 249.677 Recovery = 108.01%								
Ca 227.546†	1126.3	10.9	mg/L	0.16	10.9	mg/L	0.16	1.50%
QC value within limits for Ca 227.546 Recovery = 108.62%								
Cd 228.802†	953.8	0.0522	mg/L	0.00112	0.0522	mg/L	0.00112	2.15%
QC value within limits for Cd 228.802 Recovery = 104.39%								
Co 228.616†	3622.9	0.184	mg/L	0.0031	0.184	mg/L	0.0031	1.70%
QC value within limits for Co 228.616 Recovery = 91.78%								
Cr 267.716†	52958.3	0.468	mg/L	0.0105	0.468	mg/L	0.0105	2.24%
QC value within limits for Cr 267.716 Recovery = 93.55%								
Cu 327.393†	78274.3	0.544	mg/L	0.0129	0.544	mg/L	0.0129	2.37%
QC value within limits for Cu 327.393 Recovery = 108.88%								
Fe 239.562†	1698.2	3.68	mg/L	0.061	3.68	mg/L	0.061	1.65%
QC value within limits for Fe 239.562 Recovery = 91.93%								
Mg 279.077†	7593.5	9.24	mg/L	0.105	9.24	mg/L	0.105	1.14%
QC value within limits for Mg 279.077 Recovery = 92.44%								
Mn 257.610†	209451.1	0.477	mg/L	0.0109	0.477	mg/L	0.0109	2.29%
QC value within limits for Mn 257.610 Recovery = 95.37%								

```
Mo 202.031†          12539.7       0.938 mg/L        0.0193       0.938 mg/L        0.0193   2.05%
   QC value within limits for Mo 202.031  Recovery = 93.79%
Ni 231.604†          15970.4       0.465 mg/L        0.0094       0.465 mg/L        0.0094   2.03%
   QC value within limits for Ni 231.604  Recovery = 92.96%
Pb 220.353†           2786.5       0.475 mg/L        0.0071       0.475 mg/L        0.0071   1.50%
   QC value within limits for Pb 220.353  Recovery = 95.05%
Sb 206.836†           2089.1        1.34 mg/L         0.020        1.34 mg/L         0.020   1.49%
   QC value greater than the upper limit for Sb 206.836  Recovery = 111.88%
Se 196.026†            606.1       0.434 mg/L        0.0049       0.434 mg/L        0.0049   1.13%
   QC value within limits for Se 196.026  Recovery = 108.54%
Si 251.611†          185496.8        5.41 mg/L         0.130        5.41 mg/L         0.130   2.41%
   QC value within limits for Si 251.611  Recovery = 108.23%
Sn 189.927†           5433.9       0.937 mg/L        0.0165       0.937 mg/L        0.0165   1.76%
   QC value within limits for Sn 189.927  Recovery = 93.70%
Ti 334.940†          689612.5       0.948 mg/L        0.0066       0.948 mg/L        0.0066   0.69%
   QC value within limits for Ti 334.940  Recovery = 94.82%
Tl 190.801†            800.4       0.485 mg/L        0.0074       0.485 mg/L        0.0074   1.53%
   QC value within limits for Tl 190.801  Recovery = 96.91%
V 290.880†           138727.6       0.929 mg/L        0.0212       0.929 mg/L        0.0212   2.28%
   QC value within limits for V 290.880  Recovery = 92.92%
Zn 206.200†           31061.8       0.942 mg/L        0.0218       0.942 mg/L        0.0218   2.31%
   QC value within limits for Zn 206.200  Recovery = 94.24%
K 766.490†           137837.6        53.0 mg/L          0.27        53.0 mg/L          0.27   0.51%
   QC value within limits for K 766.490  Recovery = 105.99%
Na 589.592†          727063.3        53.9 mg/L          0.66        53.9 mg/L          0.66   1.23%
   QC value within limits for Na 589.592  Recovery = 107.85%
Sr 407.771†          849744.4       0.832 mg/L        0.0754       0.832 mg/L        0.0754   9.06%
   QC value less than the lower limit for Sr 407.771  Recovery = 83.19%
Li 670.784†           86440.1        1.08 mg/L         0.003        1.08 mg/L         0.003   0.32%
   QC value within limits for Li 670.784  Recovery = 107.75%
QC Failed.  Continue with analysis.
```

Sequence No.: 50 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/18/2011 9:18:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5138233.8						84305.46	1.64%
YRADIAL	319487.3						7146.36	2.24%
Ga 417.206	1261072.9						24048.99	1.91%
GaRADIAL	62838.6						26.84	0.04%
Ag 328.068†	-47.7	0.00019	mg/L	0.000306	0.00019	mg/L	0.000306	159.79%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-9.8	-0.00894	mg/L	0.001996	-0.00894	mg/L	0.001996	22.32%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.3	-0.00208	mg/L	0.001521	-0.00208	mg/L	0.001521	73.03%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	11.4	0.00000	mg/L	0.000037	0.00000	mg/L	0.000037	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-100.1	-0.00018	mg/L	0.000042	-0.00018	mg/L	0.000042	23.68%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	18.5	0.00201	mg/L	0.000330	0.00201	mg/L	0.000330	16.41%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-1.5	-0.0668	mg/L	0.07845	-0.0668	mg/L	0.07845	117.39%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	4.9	0.00043	mg/L	0.000196	0.00043	mg/L	0.000196	45.13%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	6.1	0.00045	mg/L	0.000158	0.00045	mg/L	0.000158	35.13%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	1.4	-0.00047	mg/L	0.000077	-0.00047	mg/L	0.000077	16.53%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-21.9	-0.00045	mg/L	0.000453	-0.00045	mg/L	0.000453	100.21%

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   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 239.562†               0.2    -0.00343 mg/L      0.003542    -0.00343 mg/L      0.003542 103.16%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Mg 279.077†              -8.0     -0.0135 mg/L       0.00593     -0.0135 mg/L       0.00593  43.89%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†              10.1    -0.00025 mg/L      0.000010    -0.00025 mg/L      0.000010   3.93%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†               2.4     0.00024 mg/L      0.000231     0.00024 mg/L      0.000231  94.99%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Ni 231.604†             -10.9    -0.00026 mg/L      0.000264    -0.00026 mg/L      0.000264 100.29%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†              -0.5    -0.00006 mg/L      0.001042    -0.00006 mg/L      0.001042 >999.9%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†              -2.0    -0.00012 mg/L      0.001944    -0.00012 mg/L      0.001944 >999.9%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               2.9    -0.00051 mg/L      0.003620    -0.00051 mg/L      0.003620 710.61%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†              54.1     0.00109 mg/L      0.000063     0.00109 mg/L      0.000063   5.75%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†               4.4    -0.00009 mg/L      0.000067    -0.00009 mg/L      0.000067  70.93%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 334.940†             167.4     0.00019 mg/L      0.000146     0.00019 mg/L      0.000146  75.68%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†               5.0     0.00340 mg/L      0.002462     0.00340 mg/L      0.002462  72.49%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†             -308.2    -0.00083 mg/L      0.000832    -0.00083 mg/L      0.000832  99.93%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†               5.7    -0.00018 mg/L      0.000092    -0.00018 mg/L      0.000092  50.80%
   QC value within limits for Zn 206.200  Recovery = Not calculated
K 766.490†               88.2      0.0516 mg/L       0.02271      0.0516 mg/L       0.02271  43.99%
   QC value within limits for K 766.490  Recovery = Not calculated
Na 589.592†            -606.1     -0.0406 mg/L       0.01054     -0.0406 mg/L       0.01054  25.95%
   QC value within limits for Na 589.592  Recovery = Not calculated
Sr 407.771†             152.6    -0.00013 mg/L      0.000029    -0.00013 mg/L      0.000029  23.18%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Li 670.784†             -44.4     0.00039 mg/L      0.000259     0.00039 mg/L      0.000259  65.88%
   QC value within limits for Li 670.784  Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 51                                  Autosampler Location: 135
Sample ID: PBW 59 WG356954-02                     Date Collected: 2/18/2011 9:24:40 PM
Analyst: PDM                                      Data Type: Original
Initial Sample Wt:                                Initial Sample Vol:
Dilution:                                         Sample Prep Vol:

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Nebulizer Parameters: PBW 59 WG356954-02
Analyte                 Back Pressure    Flow
All                    170.0 kPa         0.50 L/min

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Mean Data: PBW 59 WG356954-02
                  Mean Corrected          Calib.                          Sample
Analyte              Intensity      Conc. Units      Std.Dev.      Conc. Units      Std.Dev.   RSD
Y 371.029          5239931.3                                                      58860.70   1.12%
YRADIAL             319742.1                                                       5357.63   1.68%
Ga 417.206         1221892.9                                                      13571.23   1.11%
GaRADIAL             62986.6                                                        550.68   0.87%
Ag 328.068†            -202.9    -0.00058 mg/L      0.001349    -0.00058 mg/L      0.001349 232.19%
Al 396.153†              40.7     0.00117 mg/L      0.012495     0.00117 mg/L      0.012495 >999.9%
As 188.979†              -0.2    -0.00018 mg/L      0.000879    -0.00018 mg/L      0.000879 483.59%
Ba 233.527†               3.8    -0.00013 mg/L      0.000062    -0.00013 mg/L      0.000062  46.80%
Be 234.861†            -225.9    -0.00039 mg/L      0.000019    -0.00039 mg/L      0.000019   4.82%
B 249.677†               16.7     0.00197 mg/L      0.000139     0.00197 mg/L      0.000139   7.07%
Ca 227.546†              16.2      0.0995 mg/L       0.04931      0.0995 mg/L       0.04931  49.57%
Cd 228.802†               6.4     0.00050 mg/L      0.000101     0.00050 mg/L      0.000101  20.09%
Co 228.616†               2.5     0.00027 mg/L      0.000308     0.00027 mg/L      0.000308 115.12%
Cr 267.716†              19.7    -0.00031 mg/L      0.000085    -0.00031 mg/L      0.000085  27.88%
Cu 327.393†              12.6    -0.00021 mg/L      0.000220    -0.00021 mg/L      0.000220 103.16%
Fe 239.562†               0.6    -0.00261 mg/L      0.003547    -0.00261 mg/L      0.003547 136.05%
Mg 279.077†              85.9       0.101 mg/L        0.0052       0.101 mg/L        0.0052   5.13%
Mn 257.610†              -6.7    -0.00029 mg/L      0.000019    -0.00029 mg/L      0.000019   6.51%
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Data not reported from her to the end of analysis due to CCV failures.

Mo 202.031†	0.1	0.00007 mg/L	0.000143	0.00007 mg/L	0.000143	209.16%
Ni 231.604†	-12.6	-0.00031 mg/L	0.000311	-0.00031 mg/L	0.000311	99.88%
Pb 220.353†	-2.2	-0.00035 mg/L	0.001868	-0.00035 mg/L	0.001868	530.64%
Sb 206.836†	2.4	0.00270 mg/L	0.000931	0.00270 mg/L	0.000931	34.46%
Se 196.026†	5.6	0.00145 mg/L	0.006184	0.00145 mg/L	0.006184	425.53%
Si 251.611†	40.8	0.00070 mg/L	0.000387	0.00070 mg/L	0.000387	55.19%
Sn 189.927†	22.8	0.00308 mg/L	0.000467	0.00308 mg/L	0.000467	15.18%
Ti 334.940†	49.8	0.00003 mg/L	0.000218	0.00003 mg/L	0.000218	677.08%
Tl 190.801†	1.4	0.00126 mg/L	0.001736	0.00126 mg/L	0.001736	137.36%
V 290.880†	-453.0	-0.00180 mg/L	0.001013	-0.00180 mg/L	0.001013	56.25%
Zn 206.200†	46.3	0.00105 mg/L	0.000194	0.00105 mg/L	0.000194	18.45%
K 766.490†	57.0	0.0398 mg/L	0.00461	0.0398 mg/L	0.00461	11.58%
Na 589.592†	-242.1	-0.0144 mg/L	0.00973	-0.0144 mg/L	0.00973	67.78%
Sr 407.771†	1176.4	0.00088 mg/L	0.000072	0.00088 mg/L	0.000072	8.22%
Li 670.784†	-92.6	-0.00021 mg/L	0.001780	-0.00021 mg/L	0.001780	856.52%

Sequence No.: 52 **Autosampler Location: 136**
Sample ID: LCSW 59 WG356954-03 **Date Collected: 2/18/2011 9:31:22 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 59 WG356954-03

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: LCSW 59 WG356954-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5008453.3						8707.25	0.17%
YRADIAL	313631.2						535.60	0.17%
Ga 417.206	1216791.8						2275.92	0.19%
GaRADIAL	61080.3						1319.00	2.16%
Ag 328.068†	43343.1	0.216	mg/L	0.0048	0.216	mg/L	0.0048	2.24%
Al 396.153†	27583.3	5.52	mg/L	0.016	5.52	mg/L	0.016	0.28%
As 188.979†	234.3	0.213	mg/L	0.0020	0.213	mg/L	0.0020	0.92%
Ba 233.527†	27903.9	0.473	mg/L	0.0119	0.473	mg/L	0.0119	2.52%
Be 234.861†	15563.5	0.0268	mg/L	0.00065	0.0268	mg/L	0.00065	2.43%
B 249.677†	55924.2	1.06	mg/L	0.029	1.06	mg/L	0.029	2.69%
Ca 227.546†	533.1	5.12	mg/L	0.079	5.12	mg/L	0.079	1.54%
Cd 228.802†	471.6	0.0259	mg/L	0.00030	0.0259	mg/L	0.00030	1.16%
Co 228.616†	1797.5	0.0911	mg/L	0.00023	0.0911	mg/L	0.00023	0.25%
Cr 267.716†	26690.4	0.236	mg/L	0.0054	0.236	mg/L	0.0054	2.30%
Cu 327.393†	40172.5	0.279	mg/L	0.0075	0.279	mg/L	0.0075	2.69%
Fe 239.562†	830.7	1.80	mg/L	0.032	1.80	mg/L	0.032	1.79%
Mg 279.077†	3768.7	4.59	mg/L	0.053	4.59	mg/L	0.053	1.15%
Mn 257.610†	105689.1	0.240	mg/L	0.0056	0.240	mg/L	0.0056	2.34%
Mo 202.031†	6368.3	0.476	mg/L	0.0116	0.476	mg/L	0.0116	2.44%
Ni 231.604†	8042.2	0.234	mg/L	0.0047	0.234	mg/L	0.0047	1.99%
Pb 220.353†	1371.6	0.234	mg/L	0.0022	0.234	mg/L	0.0022	0.92%
Sb 206.836†	1037.1	0.667	mg/L	0.0019	0.667	mg/L	0.0019	0.28%
Se 196.026†	291.8	0.208	mg/L	0.0047	0.208	mg/L	0.0047	2.24%
Si 251.611†	95344.9	2.78	mg/L	0.074	2.78	mg/L	0.074	2.65%
Sn 189.927†	20.6	0.00271	mg/L	0.000139	0.00271	mg/L	0.000139	5.13%
Ti 334.940†	346488.7	0.476	mg/L	0.0020	0.476	mg/L	0.0020	0.42%
Tl 190.801†	388.6	0.236	mg/L	0.0028	0.236	mg/L	0.0028	1.19%
V 290.880†	69804.0	0.468	mg/L	0.0130	0.468	mg/L	0.0130	2.77%
Zn 206.200†	15159.6	0.460	mg/L	0.0107	0.460	mg/L	0.0107	2.32%
K 766.490†	67612.9	25.8	mg/L	0.01	25.8	mg/L	0.01	0.05%
Na 589.592†	361690.9	26.4	mg/L	0.27	26.4	mg/L	0.27	1.04%
Sr 407.771†	409535.1	0.401	mg/L	0.0406	0.401	mg/L	0.0406	10.14%
Li 670.784†	42153.1	0.526	mg/L	0.0039	0.526	mg/L	0.0039	0.74%

Sequence No.: 53 **Autosampler Location: 137**
Sample ID: FBLK WG356907-01 **Date Collected: 2/18/2011 9:38:24 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: FBLK WG356907-01

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: FBLK WG356907-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4963788.2						54211.92	1.09%
YRADIAL	310115.5						1491.95	0.48%
Ga 417.206	1194725.0						19579.33	1.64%
GaRADIAL	59388.1						893.63	1.50%
Ag 328.068†	-74.8	0.00006	mg/L	0.000802	0.00006	mg/L	0.000802	>999.9%
Al 396.153†	27.8	-0.00141	mg/L	0.014005	-0.00141	mg/L	0.014005	994.22%
As 188.979†	0.6	0.00058	mg/L	0.000416	0.00058	mg/L	0.000416	71.72%
Ba 233.527†	11.1	0.00000	mg/L	0.000078	0.00000	mg/L	0.000078	>999.9%
Be 234.861†	-252.3	-0.00044	mg/L	0.000005	-0.00044	mg/L	0.000005	1.15%
B 249.677†	247.9	0.00640	mg/L	0.000091	0.00640	mg/L	0.000091	1.42%
Ca 227.546†	-1.7	-0.0686	mg/L	0.05131	-0.0686	mg/L	0.05131	74.80%
Cd 228.802†	8.2	0.00060	mg/L	0.000252	0.00060	mg/L	0.000252	42.10%
Co 228.616†	7.2	0.00051	mg/L	0.000234	0.00051	mg/L	0.000234	46.33%
Cr 267.716†	51.0	-0.00003	mg/L	0.000093	-0.00003	mg/L	0.000093	346.69%
Cu 327.393†	15.9	-0.00019	mg/L	0.000778	-0.00019	mg/L	0.000778	417.20%
Fe 239.562†	6.0	0.00904	mg/L	0.008855	0.00904	mg/L	0.008855	97.95%
Mg 279.077†	16.1	0.0159	mg/L	0.00739	0.0159	mg/L	0.00739	46.53%
Mn 257.610†	107.2	0.00148	mg/L	0.000017	0.00148	mg/L	0.000017	1.13%
Mo 202.031†	1.0	0.00014	mg/L	0.000209	0.00014	mg/L	0.000209	147.16%
Ni 231.604†	3.3	0.00015	mg/L	0.000169	0.00015	mg/L	0.000169	110.67%
Pb 220.353†	-1.8	-0.00030	mg/L	0.001319	-0.00030	mg/L	0.001319	444.45%
Sb 206.836†	0.7	0.00158	mg/L	0.002441	0.00158	mg/L	0.002441	154.88%
Se 196.026†	5.7	0.00148	mg/L	0.002409	0.00148	mg/L	0.002409	162.25%
Si 251.611†	2328.0	0.0676	mg/L	0.00182	0.0676	mg/L	0.00182	2.69%
Sn 189.927†	25.2	0.00351	mg/L	0.000702	0.00351	mg/L	0.000702	20.04%
Ti 334.940†	1244.5	0.00167	mg/L	0.000018	0.00167	mg/L	0.000018	1.06%
Tl 190.801†	-1.4	-0.00034	mg/L	0.002544	-0.00034	mg/L	0.002544	738.47%
V 290.880†	-93.4	0.00061	mg/L	0.000688	0.00061	mg/L	0.000688	113.52%
Zn 206.200†	127.3	0.00351	mg/L	0.000129	0.00351	mg/L	0.000129	3.68%
K 766.490†	650.4	0.102	mg/L	0.0238	0.102	mg/L	0.0238	23.26%
Na 589.592†	2063053.4	162	mg/L	1.9	162	mg/L	1.9	1.17%
Sr 407.771†	581.8	0.00029	mg/L	0.000145	0.00029	mg/L	0.000145	49.37%
Li 670.784†	161.9	0.00296	mg/L	0.001971	0.00296	mg/L	0.001971	66.55%

Sequence No.: 54 **Autosampler Location: 138**
Sample ID: FBLK WG356907-02 **Date Collected: 2/18/2011 9:45:08 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: FBLK WG356907-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: FBLK WG356907-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5232932.5						18077.67	0.35%
YRADIAL	324566.4						8565.50	2.64%
Ga 417.206	1224399.5						9076.77	0.74%
GaRADIAL	63088.5						1090.86	1.73%
Ag 328.068†	31.8	0.00058	mg/L	0.000761	0.00058	mg/L	0.000761	130.36%
Al 396.153†	238.9	0.0409	mg/L	0.01044	0.0409	mg/L	0.01044	25.52%
As 188.979†	0.7	0.00069	mg/L	0.001333	0.00069	mg/L	0.001333	193.21%
Ba 233.527†	17.9	0.00011	mg/L	0.000039	0.00011	mg/L	0.000039	36.33%
Be 234.861†	-242.4	-0.00042	mg/L	0.000018	-0.00042	mg/L	0.000018	4.32%
B 249.677†	54.9	0.00275	mg/L	0.000315	0.00275	mg/L	0.000315	11.48%
Ca 227.546†	26.6	0.199	mg/L	0.0553	0.199	mg/L	0.0553	27.87%
Cd 228.802†	8.8	0.00063	mg/L	0.000213	0.00063	mg/L	0.000213	33.92%
Co 228.616†	1.3	0.00020	mg/L	0.000146	0.00020	mg/L	0.000146	72.80%
Cr 267.716†	73.8	0.00017	mg/L	0.000077	0.00017	mg/L	0.000077	44.70%

Cu 327.393†	240.9	0.00138	mg/L	0.000696	0.00138	mg/L	0.000696 50.60%
Fe 239.562†	10.6	0.0191	mg/L	0.00084	0.0191	mg/L	0.00084 4.37%
Mg 279.077†	27.3	0.0295	mg/L	0.00120	0.0295	mg/L	0.00120 4.05%
Mn 257.610†	858.3	0.00169	mg/L	0.000008	0.00169	mg/L	0.000008 0.49%
Mo 202.031†	-1.3	-0.00003	mg/L	0.000129	-0.00003	mg/L	0.000129 387.21%
Ni 231.604†	39.5	0.00121	mg/L	0.000229	0.00121	mg/L	0.000229 18.95%
Pb 220.353†	-6.3	-0.00104	mg/L	0.000221	-0.00104	mg/L	0.000221 21.23%
Sb 206.836†	1.3	0.00196	mg/L	0.001606	0.00196	mg/L	0.001606 82.06%
Se 196.026†	5.0	0.00109	mg/L	0.002992	0.00109	mg/L	0.002992 273.51%
Si 251.611†	4609.0	0.134	mg/L	0.0044	0.134	mg/L	0.0044 3.27%
Sn 189.927†	27.9	0.00396	mg/L	0.000495	0.00396	mg/L	0.000495 12.49%
Ti 334.940†	1680.4	0.00228	mg/L	0.000081	0.00228	mg/L	0.000081 3.57%
Tl 190.801†	-1.1	-0.00021	mg/L	0.001361	-0.00021	mg/L	0.001361 639.68%
V 290.880†	-372.4	-0.00126	mg/L	0.000531	-0.00126	mg/L	0.000531 42.11%
Zn 206.200†	139.3	0.00387	mg/L	0.000162	0.00387	mg/L	0.000162 4.17%
K 766.490†	187.1	0.0889	mg/L	0.02706	0.0889	mg/L	0.02706 30.43%
Na 589.592†	1511.2	0.112	mg/L	0.0612	0.112	mg/L	0.0612 54.55%
Sr 407.771†	531.1	0.00024	mg/L	0.000022	0.00024	mg/L	0.000022 9.15%
Li 670.784†	3.3	0.00099	mg/L	0.001516	0.00099	mg/L	0.001516 153.68%

Sequence No.: 55 **Autosampler Location: 139**
Sample ID: L1102035701 **Date Collected: 2/18/2011 9:51:54 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035701

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102035701

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4990428.5						56767.59	1.14%
YRADIAL	307282.9						3566.41	1.16%
Ga 417.206	1193539.7						15454.29	1.29%
GaRADIAL	58899.3						1312.59	2.23%
Ag 328.068†	318.5	0.00200	mg/L	0.000119	0.00200	mg/L	0.000119	5.96%
Al 396.153†	29.2	-0.00112	mg/L	0.009905	-0.00112	mg/L	0.009905	880.81%
As 188.979†	7.3	0.00504	mg/L	0.001393	0.00504	mg/L	0.001393	27.64%
Ba 233.527†	26808.9	0.454	mg/L	0.0057	0.454	mg/L	0.0057	1.25%
Be 234.861†	-239.8	-0.00042	mg/L	0.000023	-0.00042	mg/L	0.000023	5.41%
B 249.677†	523.4	0.0116	mg/L	0.00035	0.0116	mg/L	0.00035	3.01%
Ca 227.546†	9081.6	85.5	mg/L	1.09	85.5	mg/L	1.09	1.28%
Cd 228.802†	25.5	0.00151	mg/L	0.000110	0.00151	mg/L	0.000110	7.29%
Co 228.616†	-10.4	-0.00055	mg/L	0.000086	-0.00055	mg/L	0.000086	15.66%
Cr 267.716†	65.0	0.00009	mg/L	0.000125	0.00009	mg/L	0.000125	140.52%
Cu 327.393†	-322.7	-0.00253	mg/L	0.000144	-0.00253	mg/L	0.000144	5.69%
Fe 239.562†	9.9	0.0176	mg/L	0.00524	0.0176	mg/L	0.00524	29.82%
Mg 279.077†	1127.2	1.37	mg/L	0.020	1.37	mg/L	0.020	1.45%
Mn 257.610†	7847.2	0.0191	mg/L	0.00027	0.0191	mg/L	0.00027	1.39%
Mo 202.031†	1.8	0.00020	mg/L	0.000441	0.00020	mg/L	0.000441	219.78%
Ni 231.604†	229.3	0.00669	mg/L	0.000046	0.00669	mg/L	0.000046	0.68%
Pb 220.353†	21.6	0.00776	mg/L	0.000725	0.00776	mg/L	0.000725	9.34%
Sb 206.836†	16.8	0.0119	mg/L	0.00168	0.0119	mg/L	0.00168	14.14%
Se 196.026†	-32.5	-0.00442	mg/L	0.001552	-0.00442	mg/L	0.001552	35.13%
Si 251.611†	14386.7	0.420	mg/L	0.0083	0.420	mg/L	0.0083	1.99%
Sn 189.927†	34.9	0.00518	mg/L	0.001536	0.00518	mg/L	0.001536	29.66%
Ti 334.940†	1540.2	0.00294	mg/L	0.000074	0.00294	mg/L	0.000074	2.54%
Tl 190.801†	108.0	0.0567	mg/L	0.00069	0.0567	mg/L	0.00069	1.22%
V 290.880†	-284.9	-0.00069	mg/L	0.000966	-0.00069	mg/L	0.000966	139.07%
Zn 206.200†	458.3	0.0135	mg/L	0.00034	0.0135	mg/L	0.00034	2.52%
K 766.490†	1036.8	0.250	mg/L	0.0782	0.250	mg/L	0.0782	31.36%
Na 589.592†	2051443.2	161	mg/L	5.0	161	mg/L	5.0	3.13%
Sr 407.771†	56639.4	0.0552	mg/L	0.00407	0.0552	mg/L	0.00407	7.38%
Li 670.784†	224.0	0.00374	mg/L	0.001823	0.00374	mg/L	0.001823	48.81%

Sequence No.: 56 **Autosampler Location: 140**
Sample ID: L1102035701PS WG356971-01 **Date Collected: 2/18/2011 9:58:39 PM**

Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035701PS WG356971-01

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102035701PS WG356971-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4857520.7						42217.53	0.87%
YRADIAL	304202.1						7272.03	2.39%
Ga 417.206	1178983.9						8364.36	0.71%
GaRADIAL	59249.8						2005.52	3.38%
Ag 328.068†	44775.4	0.223	mg/L	0.0016	0.223	mg/L	0.0016	0.70%
Al 396.153†	27622.9	5.52	mg/L	0.019	5.52	mg/L	0.019	0.35%
As 188.979†	250.5	0.226	mg/L	0.0012	0.226	mg/L	0.0012	0.51%
Ba 233.527†	52546.7	0.891	mg/L	0.0122	0.891	mg/L	0.0122	1.38%
Be 234.861†	16314.1	0.0281	mg/L	0.00017	0.0281	mg/L	0.00017	0.61%
B 249.677†	58243.1	1.11	mg/L	0.006	1.11	mg/L	0.006	0.56%
Ca 227.546†	9002.2	84.9	mg/L	0.51	84.9	mg/L	0.51	0.60%
Cd 228.802†	500.8	0.0274	mg/L	0.00020	0.0274	mg/L	0.00020	0.74%
Co 228.616†	1783.8	0.0903	mg/L	0.00088	0.0903	mg/L	0.00088	0.98%
Cr 267.716†	26969.3	0.238	mg/L	0.0022	0.238	mg/L	0.0022	0.91%
Cu 327.393†	40571.3	0.282	mg/L	0.0015	0.282	mg/L	0.0015	0.51%
Fe 239.562†	846.9	1.83	mg/L	0.055	1.83	mg/L	0.055	3.00%
Mg 279.077†	4787.5	5.83	mg/L	0.149	5.83	mg/L	0.149	2.56%
Mn 257.610†	112442.5	0.257	mg/L	0.0034	0.257	mg/L	0.0034	1.33%
Mo 202.031†	6564.1	0.491	mg/L	0.0045	0.491	mg/L	0.0045	0.91%
Ni 231.604†	8227.5	0.239	mg/L	0.0025	0.239	mg/L	0.0025	1.06%
Pb 220.353†	1408.0	0.244	mg/L	0.0017	0.244	mg/L	0.0017	0.68%
Sb 206.836†	1073.2	0.690	mg/L	0.0035	0.690	mg/L	0.0035	0.51%
Se 196.026†	274.5	0.215	mg/L	0.0053	0.215	mg/L	0.0053	2.48%
Si 251.611†	112659.1	3.29	mg/L	0.018	3.29	mg/L	0.018	0.53%
Sn 189.927†	24.9	0.00345	mg/L	0.001046	0.00345	mg/L	0.001046	30.31%
Ti 334.940†	354241.1	0.488	mg/L	0.0037	0.488	mg/L	0.0037	0.75%
Tl 190.801†	480.3	0.283	mg/L	0.0021	0.283	mg/L	0.0021	0.73%
V 290.880†	71155.7	0.477	mg/L	0.0060	0.477	mg/L	0.0060	1.26%
Zn 206.200†	16028.2	0.486	mg/L	0.0057	0.486	mg/L	0.0057	1.18%
K 766.490†	71257.9	27.0	mg/L	0.30	27.0	mg/L	0.30	1.09%
Na 589.592†	2232395.4	177	mg/L	7.2	177	mg/L	7.2	4.09%
Sr 407.771†	459345.8	0.450	mg/L	0.0517	0.450	mg/L	0.0517	11.51%
Li 670.784†	42898.7	0.535	mg/L	0.0052	0.535	mg/L	0.0052	0.97%

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Sequence No.: 57 **Autosampler Location: 141**
Sample ID: L1102035701DL WG356971-02 **Date Collected: 2/18/2011 10:05:26 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035701DL WG356971-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102035701DL WG356971-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5159880.0						43216.75	0.84%
YRADIAL	318445.5						4515.47	1.42%
Ga 417.206	1240732.7						19503.86	1.57%
GaRADIAL	61161.3						1571.36	2.57%
Ag 328.068†	103.7	0.00094	mg/L	0.000258	0.00094	mg/L	0.000258	27.44%
Al 396.153†	114.0	0.0159	mg/L	0.00736	0.0159	mg/L	0.00736	46.41%
As 188.979†	3.1	0.00256	mg/L	0.000910	0.00256	mg/L	0.000910	35.57%
Ba 233.527†	5386.6	0.0910	mg/L	0.00119	0.0910	mg/L	0.00119	1.31%
Be 234.861†	-143.1	-0.00025	mg/L	0.000012	-0.00025	mg/L	0.000012	4.92%
B 249.677†	222.5	0.00587	mg/L	0.000440	0.00587	mg/L	0.000440	7.49%

Ca 227.546†	1761.5	16.5	mg/L	0.13	16.5	mg/L	0.13	0.78%
Cd 228.802†	7.2	0.00053	mg/L	0.000105	0.00053	mg/L	0.000105	19.88%
Co 228.616†	4.8	0.00035	mg/L	0.000032	0.00035	mg/L	0.000032	8.93%
Cr 267.716†	8.7	-0.00040	mg/L	0.000134	-0.00040	mg/L	0.000134	33.23%
Cu 327.393†	-43.8	-0.00060	mg/L	0.000826	-0.00060	mg/L	0.000826	137.26%
Fe 239.562†	3.3	0.00329	mg/L	0.000429	0.00329	mg/L	0.000429	13.06%
Mg 279.077†	218.5	0.262	mg/L	0.0113	0.262	mg/L	0.0113	4.30%
Mn 257.610†	1622.1	0.00371	mg/L	0.000037	0.00371	mg/L	0.000037	0.99%
Mo 202.031†	3.9	0.00036	mg/L	0.000249	0.00036	mg/L	0.000249	69.79%
Ni 231.604†	40.3	0.00122	mg/L	0.000158	0.00122	mg/L	0.000158	12.99%
Pb 220.353†	-4.6	0.00003	mg/L	0.001602	0.00003	mg/L	0.001602	>999.9%
Sb 206.836†	0.7	0.00162	mg/L	0.000473	0.00162	mg/L	0.000473	29.19%
Se 196.026†	-8.4	-0.00443	mg/L	0.005889	-0.00443	mg/L	0.005889	133.00%
Si 251.611†	3083.8	0.0897	mg/L	0.00206	0.0897	mg/L	0.00206	2.30%
Sn 189.927†	10.7	0.00100	mg/L	0.000911	0.00100	mg/L	0.000911	91.13%
Ti 334.940†	355.4	0.00062	mg/L	0.000189	0.00062	mg/L	0.000189	30.57%
Tl 190.801†	36.6	0.0206	mg/L	0.00514	0.0206	mg/L	0.00514	24.96%
V 290.880†	-359.4	-0.00118	mg/L	0.000309	-0.00118	mg/L	0.000309	26.22%
Zn 206.200†	173.6	0.00491	mg/L	0.000038	0.00491	mg/L	0.000038	0.78%
K 766.490†	291.0	0.0985	mg/L	0.03250	0.0985	mg/L	0.03250	33.00%
Na 589.592†	407816.8	29.9	mg/L	0.18	29.9	mg/L	0.18	0.61%
Sr 407.771†	11166.2	0.0107	mg/L	0.00074	0.0107	mg/L	0.00074	6.97%
Li 670.784†	185.8	0.00326	mg/L	0.001675	0.00326	mg/L	0.001675	51.38%

Sequence No.: 58 **Autosampler Location: 142**
Sample ID: L1102035801 **Date Collected: 2/18/2011 10:12:12 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035801

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102035801

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	4994398.3						55839.08	1.12%
YRADIAL	313632.7						5224.48	1.67%
Ga 417.206	1187521.3						16172.28	1.36%
GaRADIAL	59717.0						1223.27	2.05%
Ag 328.068†	328.2	0.00204	mg/L	0.000610	0.00204	mg/L	0.000610	29.93%
Al 396.153†	291.0	0.0513	mg/L	0.00456	0.0513	mg/L	0.00456	8.88%
As 188.979†	6.9	0.00444	mg/L	0.002982	0.00444	mg/L	0.002982	67.21%
Ba 233.527†	17841.2	0.302	mg/L	0.0042	0.302	mg/L	0.0042	1.40%
Be 234.861†	-226.1	-0.00041	mg/L	0.000037	-0.00041	mg/L	0.000037	8.87%
B 249.677†	885.2	0.0189	mg/L	0.00036	0.0189	mg/L	0.00036	1.90%
Ca 227.546†	10095.4	95.0	mg/L	1.27	95.0	mg/L	1.27	1.34%
Cd 228.802†	20.2	0.00122	mg/L	0.000120	0.00122	mg/L	0.000120	9.86%
Co 228.616†	-5.2	-0.00024	mg/L	0.000212	-0.00024	mg/L	0.000212	88.32%
Cr 267.716†	149.2	0.00083	mg/L	0.000034	0.00083	mg/L	0.000034	4.06%
Cu 327.393†	-212.6	-0.00174	mg/L	0.000205	-0.00174	mg/L	0.000205	11.73%
Fe 239.562†	60.4	0.127	mg/L	0.0023	0.127	mg/L	0.0023	1.80%
Mg 279.077†	824.8	1.00	mg/L	0.011	1.00	mg/L	0.011	1.06%
Mn 257.610†	10999.7	0.0262	mg/L	0.00031	0.0262	mg/L	0.00031	1.19%
Mo 202.031†	9.9	0.00082	mg/L	0.000362	0.00082	mg/L	0.000362	44.43%
Ni 231.604†	115.7	0.00338	mg/L	0.000258	0.00338	mg/L	0.000258	7.62%
Pb 220.353†	-15.1	0.00203	mg/L	0.000767	0.00203	mg/L	0.000767	37.81%
Sb 206.836†	14.4	0.0104	mg/L	0.00379	0.0104	mg/L	0.00379	36.54%
Se 196.026†	-40.7	-0.00793	mg/L	0.007835	-0.00793	mg/L	0.007835	98.81%
Si 251.611†	9097.4	0.266	mg/L	0.0049	0.266	mg/L	0.0049	1.83%
Sn 189.927†	28.3	0.00403	mg/L	0.000635	0.00403	mg/L	0.000635	15.74%
Ti 334.940†	3278.0	0.00542	mg/L	0.000093	0.00542	mg/L	0.000093	1.71%
Tl 190.801†	107.4	0.0555	mg/L	0.00466	0.0555	mg/L	0.00466	8.40%
V 290.880†	-42.7	0.00094	mg/L	0.000762	0.00094	mg/L	0.000762	81.02%
Zn 206.200†	2855.6	0.0861	mg/L	0.00081	0.0861	mg/L	0.00081	0.94%
K 766.490†	1028.1	0.245	mg/L	0.0204	0.245	mg/L	0.0204	8.32%
Na 589.592†	2068983.6	163	mg/L	1.4	163	mg/L	1.4	0.85%
Sr 407.771†	75436.6	0.0736	mg/L	0.00630	0.0736	mg/L	0.00630	8.56%
Li 670.784†	189.8	0.00331	mg/L	0.001048	0.00331	mg/L	0.001048	31.66%

Sequence No.: 59 **Autosampler Location: 143**
Sample ID: L1102038202 **Date Collected: 2/18/2011 10:18:59 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102038202

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102038202

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4983896.0						17225.11	0.35%
YRADIAL	313577.8						6555.84	2.09%
Ga 417.206	1170992.2						2069.73	0.18%
GaRADIAL	59030.0						210.16	0.36%
Ag 328.068†	-90.4	-0.00020	mg/L	0.000135	-0.00020	mg/L	0.000135	67.49%
Al 396.153†	11351.9	2.27	mg/L	0.023	2.27	mg/L	0.023	1.04%
As 188.979†	-0.3	-0.00002	mg/L	0.003248	-0.00002	mg/L	0.003248	>999.9%
Ba 233.527†	1468.4	0.0246	mg/L	0.00008	0.0246	mg/L	0.00008	0.32%
Be 234.861†	353.7	-0.00008	mg/L	0.000094	-0.00008	mg/L	0.000094	114.04%
B 249.677†	3075.7	0.0732	mg/L	0.00062	0.0732	mg/L	0.00062	0.85%
Ca 227.546†	550.0	5.15	mg/L	0.069	5.15	mg/L	0.069	1.35%
Cd 228.802†	12.4	0.00086	mg/L	0.000112	0.00086	mg/L	0.000112	13.00%
Co 228.616†	41.2	0.00210	mg/L	0.000095	0.00210	mg/L	0.000095	4.52%
Cr 267.716†	406.2	0.00304	mg/L	0.000093	0.00304	mg/L	0.000093	3.06%
Cu 327.393†	4842.5	0.0337	mg/L	0.00071	0.0337	mg/L	0.00071	2.10%
Fe 239.562†	1573.6	3.41	mg/L	0.038	3.41	mg/L	0.038	1.11%
Mg 279.077†	957.9	1.16	mg/L	0.019	1.16	mg/L	0.019	1.68%
Mn 257.610†	37425.2	0.0861	mg/L	0.00076	0.0861	mg/L	0.00076	0.88%
Mo 202.031†	2.5	0.00044	mg/L	0.000409	0.00044	mg/L	0.000409	92.97%
Ni 231.604†	488.5	0.0143	mg/L	0.00004	0.0143	mg/L	0.00004	0.28%
Pb 220.353†	107.5	0.0183	mg/L	0.00016	0.0183	mg/L	0.00016	0.88%
Sb 206.836†	2.1	0.00246	mg/L	0.000841	0.00246	mg/L	0.000841	34.15%
Se 196.026†	4.6	0.00301	mg/L	0.004574	0.00301	mg/L	0.004574	152.16%
Si 251.611†	43908.8	1.28	mg/L	0.013	1.28	mg/L	0.013	1.01%
Sn 189.927†	28.1	0.00401	mg/L	0.000913	0.00401	mg/L	0.000913	22.79%
Ti 334.940†	17793.2	0.0245	mg/L	0.00014	0.0245	mg/L	0.00014	0.57%
Tl 190.801†	8.7	0.00552	mg/L	0.001853	0.00552	mg/L	0.001853	33.56%
V 290.880†	223.8	0.00299	mg/L	0.000532	0.00299	mg/L	0.000532	17.80%
Zn 206.200†	16546.1	0.501	mg/L	0.0049	0.501	mg/L	0.0049	0.97%
K 766.490†	1653.4	0.478	mg/L	0.0220	0.478	mg/L	0.0220	4.61%
Na 589.592†	2113681.2	167	mg/L	2.2	167	mg/L	2.2	1.35%
Sr 407.771†	12695.4	0.0118	mg/L	0.00086	0.0118	mg/L	0.00086	7.33%
Li 670.784†	589.9	0.00829	mg/L	0.002326	0.00829	mg/L	0.002326	28.05%

Sequence No.: 60 **Autosampler Location: 144**
Sample ID: L1102038701 **Date Collected: 2/18/2011 10:25:40 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102038701

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102038701

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4991391.3						60721.52	1.22%
YRADIAL	309444.6						4891.81	1.58%
Ga 417.206	1183316.6						22845.65	1.93%
GaRADIAL	58587.5						315.79	0.54%
Ag 328.068†	353.2	0.00212	mg/L	0.000272	0.00212	mg/L	0.000272	12.82%
Al 396.153†	476.8	0.0886	mg/L	0.00634	0.0886	mg/L	0.00634	7.15%

As 188.979†	9.1	0.00672 mg/L	0.002285	0.00672 mg/L	0.002285	33.99%
Ba 233.527†	5608.7	0.0947 mg/L	0.00109	0.0947 mg/L	0.00109	1.15%
Be 234.861†	-221.1	-0.00042 mg/L	0.000020	-0.00042 mg/L	0.000020	4.84%
B 249.677†	2054.5	0.0409 mg/L	0.00116	0.0409 mg/L	0.00116	2.83%
Ca 227.546†	8848.7	83.3 mg/L	1.47	83.3 mg/L	1.47	1.76%
Cd 228.802†	448.6	0.0249 mg/L	0.00044	0.0249 mg/L	0.00044	1.76%
Co 228.616†	1.8	0.00019 mg/L	0.000238	0.00019 mg/L	0.000238	127.35%
Cr 267.716†	58.5	0.00007 mg/L	0.000168	0.00007 mg/L	0.000168	236.73%
Cu 327.393†	448.8	0.00295 mg/L	0.001179	0.00295 mg/L	0.001179	39.93%
Fe 239.562†	109.2	0.233 mg/L	0.0046	0.233 mg/L	0.0046	1.99%
Mg 279.077†	1164.8	1.41 mg/L	0.021	1.41 mg/L	0.021	1.51%
Mn 257.610†	36589.0	0.0841 mg/L	0.00108	0.0841 mg/L	0.00108	1.28%
Mo 202.031†	2.9	0.00031 mg/L	0.000274	0.00031 mg/L	0.000274	88.10%
Ni 231.604†	40.1	0.00119 mg/L	0.000239	0.00119 mg/L	0.000239	20.08%
Pb 220.353†	10.5	0.00577 mg/L	0.000440	0.00577 mg/L	0.000440	7.62%
Sb 206.836†	13.6	0.00984 mg/L	0.001601	0.00984 mg/L	0.001601	16.27%
Se 196.026†	-35.2	-0.00691 mg/L	0.001741	-0.00691 mg/L	0.001741	25.19%
Si 251.611†	17112.6	0.500 mg/L	0.0008	0.500 mg/L	0.0008	0.17%
Sn 189.927†	30.5	0.00442 mg/L	0.000488	0.00442 mg/L	0.000488	11.05%
Ti 334.940†	1651.0	0.00307 mg/L	0.000070	0.00307 mg/L	0.000070	2.29%
Tl 190.801†	98.7	0.0515 mg/L	0.00185	0.0515 mg/L	0.00185	3.60%
V 290.880†	-201.3	-0.00010 mg/L	0.001352	-0.00010 mg/L	0.001352	>999.9%
Zn 206.200†	57780.3	1.75 mg/L	0.020	1.75 mg/L	0.020	1.14%
K 766.490†	2411.4	0.765 mg/L	0.0155	0.765 mg/L	0.0155	2.03%
Na 589.592†	2107989.7	166 mg/L	1.8	166 mg/L	1.8	1.07%
Sr 407.771†	216225.0	0.212 mg/L	0.0142	0.212 mg/L	0.0142	6.73%
Li 670.784†	82.7	0.00198 mg/L	0.000085	0.00198 mg/L	0.000085	4.29%

Sequence No.: 61 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/18/2011 10:32:31 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4994175.9						53030.73	1.06%
YRADIAL	310993.8						2837.08	0.91%
Ga 417.206	1187770.2						12044.41	1.01%
GaRADIAL	59455.3						929.72	1.56%
Ag 328.068†	89987.1	0.448	mg/L	0.0045	0.448	mg/L	0.0045	1.01%
QC value greater than the upper limit for Ag 328.068 Recovery = 112.06%								
Al 396.153†	57122.4	11.4	mg/L	0.06	11.4	mg/L	0.06	0.49%
QC value greater than the upper limit for Al 396.153 Recovery = 114.30%								
As 188.979†	499.1	0.453	mg/L	0.0053	0.453	mg/L	0.0053	1.17%
QC value greater than the upper limit for As 188.979 Recovery = 113.25%								
Ba 233.527†	55465.0	0.941	mg/L	0.0067	0.941	mg/L	0.0067	0.71%
QC value within limits for Ba 233.527 Recovery = 94.12%								
Be 234.861†	33554.9	0.0578	mg/L	0.00070	0.0578	mg/L	0.00070	1.21%
QC value greater than the upper limit for Be 234.861 Recovery = 115.57%								
B 249.677†	29376.9	0.561	mg/L	0.0050	0.561	mg/L	0.0050	0.89%
QC value greater than the upper limit for B 249.677 Recovery = 112.12%								
Ca 227.546†	1162.5	11.2	mg/L	0.19	11.2	mg/L	0.19	1.68%
QC value greater than the upper limit for Ca 227.546 Recovery = 112.04%								
Cd 228.802†	989.5	0.0540	mg/L	0.00079	0.0540	mg/L	0.00079	1.45%
QC value within limits for Cd 228.802 Recovery = 108.09%								
Co 228.616†	3630.9	0.184	mg/L	0.0024	0.184	mg/L	0.0024	1.32%
QC value within limits for Co 228.616 Recovery = 91.98%								
Cr 267.716†	52865.3	0.467	mg/L	0.0044	0.467	mg/L	0.0044	0.94%
QC value within limits for Cr 267.716 Recovery = 93.38%								
Cu 327.393†	81529.0	0.567	mg/L	0.0053	0.567	mg/L	0.0053	0.94%
QC value greater than the upper limit for Cu 327.393 Recovery = 113.39%								
Fe 239.562†	1698.6	3.68	mg/L	0.056	3.68	mg/L	0.056	1.51%
QC value within limits for Fe 239.562 Recovery = 91.95%								
Mg 279.077†	7613.3	9.27	mg/L	0.094	9.27	mg/L	0.094	1.02%

QC value within limits for Mg 279.077 Recovery = 92.68%
Mn 257.610† 208839.3 0.476 mg/L 0.0031 0.476 mg/L 0.0031 0.65%
QC value within limits for Mn 257.610 Recovery = 95.12%
Mo 202.031† 12623.9 0.944 mg/L 0.0088 0.944 mg/L 0.0088 0.93%
QC value within limits for Mo 202.031 Recovery = 94.42%
Ni 231.604† 16065.6 0.468 mg/L 0.0045 0.468 mg/L 0.0045 0.97%
QC value within limits for Ni 231.604 Recovery = 93.51%
Pb 220.353† 2802.5 0.478 mg/L 0.0045 0.478 mg/L 0.0045 0.95%
QC value within limits for Pb 220.353 Recovery = 95.60%
Sb 206.836† 2171.6 1.40 mg/L 0.016 1.40 mg/L 0.016 1.12%
QC value greater than the upper limit for Sb 206.836 Recovery = 116.28%
Se 196.026† 625.5 0.448 mg/L 0.0080 0.448 mg/L 0.0080 1.78%
QC value greater than the upper limit for Se 196.026 Recovery = 112.02%
Si 251.611† 193064.7 5.63 mg/L 0.056 5.63 mg/L 0.056 0.99%
QC value greater than the upper limit for Si 251.611 Recovery = 112.66%
Sn 189.927† 5454.1 0.940 mg/L 0.0124 0.940 mg/L 0.0124 1.31%
QC value within limits for Sn 189.927 Recovery = 94.05%
Ti 334.940† 691623.9 0.951 mg/L 0.0032 0.951 mg/L 0.0032 0.34%
QC value within limits for Ti 334.940 Recovery = 95.10%
Tl 190.801† 799.7 0.484 mg/L 0.0052 0.484 mg/L 0.0052 1.08%
QC value within limits for Tl 190.801 Recovery = 96.83%
V 290.880† 138042.3 0.925 mg/L 0.0065 0.925 mg/L 0.0065 0.71%
QC value within limits for V 290.880 Recovery = 92.46%
Zn 206.200† 31127.1 0.944 mg/L 0.0038 0.944 mg/L 0.0038 0.40%
QC value within limits for Zn 206.200 Recovery = 94.44%
K 766.490† 143568.6 55.2 mg/L 0.63 55.2 mg/L 0.63 1.13%
QC value greater than the upper limit for K 766.490 Recovery = 110.48%
Na 589.592† 756827.0 56.2 mg/L 0.37 56.2 mg/L 0.37 0.66%
QC value greater than the upper limit for Na 589.592 Recovery = 112.40%
Sr 407.771† 824710.5 0.807 mg/L 0.0810 0.807 mg/L 0.0810 10.03%
QC value less than the lower limit for Sr 407.771 Recovery = 80.74%
Li 670.784† 89245.2 1.11 mg/L 0.006 1.11 mg/L 0.006 0.57%
QC value greater than the upper limit for Li 670.784 Recovery = 111.24%
QC Failed. Continue with analysis.

Sequence No.: 62 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/18/2011 10:39:14 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	5175958.3						120652.74	2.33%
YRADIAL	320531.7						4508.75	1.41%
Ga 417.206	1235142.8						23172.65	1.88%
GaRADIAL	60954.6						280.46	0.46%
Ag 328.068†	-29.3	0.00028	mg/L	0.001167	0.00028	mg/L	0.001167	413.86%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	10.8	-0.00482	mg/L	0.004142	-0.00482	mg/L	0.004142	85.85%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	4.6	0.00427	mg/L	0.002166	0.00427	mg/L	0.002166	50.74%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	2.7	-0.00015	mg/L	0.000121	-0.00015	mg/L	0.000121	80.24%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-128.4	-0.00023	mg/L	0.000017	-0.00023	mg/L	0.000017	7.67%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	110.5	0.00375	mg/L	0.000092	0.00375	mg/L	0.000092	2.45%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-0.8	-0.0604	mg/L	0.04486	-0.0604	mg/L	0.04486	74.33%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	4.4	0.00036	mg/L	0.000031	0.00036	mg/L	0.000031	8.62%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	4.5	0.00037	mg/L	0.000305	0.00037	mg/L	0.000305	82.42%
QC value within limits for Co 228.616 Recovery = Not calculated								

Cr 267.716†	-10.3	-0.00057 mg/L	0.000108	-0.00057 mg/L	0.000108	19.00%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	-68.0	-0.00077 mg/L	0.000307	-0.00077 mg/L	0.000307	39.77%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 239.562†	0.5	-0.00271 mg/L	0.005026	-0.00271 mg/L	0.005026	185.19%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Mg 279.077†	-9.3	-0.0150 mg/L	0.00437	-0.0150 mg/L	0.00437	29.12%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	-6.4	-0.00028 mg/L	0.000011	-0.00028 mg/L	0.000011	3.91%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	1.7	0.00019 mg/L	0.000506	0.00019 mg/L	0.000506	267.38%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Ni 231.604†	-9.9	-0.00023 mg/L	0.000070	-0.00023 mg/L	0.000070	30.43%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-5.1	-0.00084 mg/L	0.000888	-0.00084 mg/L	0.000888	105.20%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-3.0	-0.00077 mg/L	0.002131	-0.00077 mg/L	0.002131	276.32%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	2.3	-0.00093 mg/L	0.000994	-0.00093 mg/L	0.000994	106.55%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	84.4	0.00198 mg/L	0.000305	0.00198 mg/L	0.000305	15.42%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	2.5	-0.00042 mg/L	0.000279	-0.00042 mg/L	0.000279	65.91%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	201.6	0.00024 mg/L	0.000192	0.00024 mg/L	0.000192	80.14%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-3.8	-0.00178 mg/L	0.001268	-0.00178 mg/L	0.001268	71.13%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 290.880†	-402.8	-0.00147 mg/L	0.001366	-0.00147 mg/L	0.001366	93.13%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	8.5	-0.00010 mg/L	0.000087	-0.00010 mg/L	0.000087	89.99%
QC value within limits for Zn 206.200 Recovery = Not calculated						
K 766.490†	144.0	0.0727 mg/L	0.02360	0.0727 mg/L	0.02360	32.46%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 589.592†	383.8	0.0308 mg/L	0.01372	0.0308 mg/L	0.01372	44.55%
QC value within limits for Na 589.592 Recovery = Not calculated						
Sr 407.771†	88.8	-0.00019 mg/L	0.000044	-0.00019 mg/L	0.000044	23.32%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Li 670.784†	-55.2	0.00026 mg/L	0.002432	0.00026 mg/L	0.002432	940.97%
QC value within limits for Li 670.784 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 63 **Autosampler Location: 145**
Sample ID: L1102043801 WG356954-01 **Date Collected: 2/18/2011 10:45:52 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043801 WG356954-01

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102043801 WG356954-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5035025.8						29111.55	0.58%
YRADIAL	307163.5						6465.76	2.10%
Ga 417.206	1200471.7						8637.79	0.72%
GaRADIAL	58685.7						582.66	0.99%
Ag 328.068†	-30.0	0.00014	mg/L	0.000830	0.00014	mg/L	0.000830	588.96%
Al 396.153†	631.3	0.120	mg/L	0.0092	0.120	mg/L	0.0092	7.70%
As 188.979†	0.5	0.00044	mg/L	0.002145	0.00044	mg/L	0.002145	492.19%
Ba 233.527†	2306.8	0.0388	mg/L	0.00014	0.0388	mg/L	0.00014	0.35%
Be 234.861†	28.5	-0.00035	mg/L	0.000061	-0.00035	mg/L	0.000061	17.37%
B 249.677†	67369.4	1.29	mg/L	0.023	1.29	mg/L	0.023	1.80%
Ca 227.546†	1392.2	13.1	mg/L	0.08	13.1	mg/L	0.08	0.63%
Cd 228.802†	23.2	0.00144	mg/L	0.000082	0.00144	mg/L	0.000082	5.70%
Co 228.616†	23.7	0.00128	mg/L	0.000202	0.00128	mg/L	0.000202	15.78%
Cr 267.716†	99.6	0.00732	mg/L	0.000039	0.00732	mg/L	0.000039	0.54%
Cu 327.393†	21.0	0.0107	mg/L	0.00047	0.0107	mg/L	0.00047	4.38%

Fe 239.562†	974.9	2.11 mg/L	0.017	2.11 mg/L	0.017	0.82%
Mg 279.077†	49229.6	59.9 mg/L	0.37	59.9 mg/L	0.37	0.61%
Mn 257.610†	27158.8	0.0703 mg/L	0.00108	0.0703 mg/L	0.00108	1.54%
Mo 202.031†	218.9	0.0165 mg/L	0.00081	0.0165 mg/L	0.00081	4.92%
Ni 231.604†	35.4	0.00108 mg/L	0.000258	0.00108 mg/L	0.000258	23.92%
Pb 220.353†	1.3	0.00085 mg/L	0.001678	0.00085 mg/L	0.001678	197.58%
Sb 206.836†	73.7	0.0485 mg/L	0.00098	0.0485 mg/L	0.00098	2.02%
Se 196.026†	-14.9	-0.00923 mg/L	0.004574	-0.00923 mg/L	0.004574	49.53%
Si 251.611†	22534.4	0.658 mg/L	0.0129	0.658 mg/L	0.0129	1.96%
Sn 189.927†	26.4	0.00370 mg/L	0.000202	0.00370 mg/L	0.000202	5.45%
Ti 334.940†	1370.4	0.00198 mg/L	0.000134	0.00198 mg/L	0.000134	6.77%
Tl 190.801†	27.5	0.0156 mg/L	0.00157	0.0156 mg/L	0.00157	10.04%
V 290.880†	-1882.4	-0.0112 mg/L	0.00096	-0.0112 mg/L	0.00096	8.52%
Zn 206.200†	5741037.3	174 mg/L	1.0	174 mg/L	1.0	0.56%
K 766.490†	25129.1	9.55 mg/L	0.045	9.55 mg/L	0.045	0.47%
Na 589.592†	133006.1	9.65 mg/L	0.052	9.65 mg/L	0.052	0.54%
Sr 407.771†	32227.5	0.0310 mg/L	0.00324	0.0310 mg/L	0.00324	10.43%
Li 670.784†	244.9	0.00400 mg/L	0.000753	0.00400 mg/L	0.000753	18.84%

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Sequence No.: 64 **Autosampler Location: 146**
Sample ID: L1102043801S WG356954-04 **Date Collected: 2/18/2011 10:52:35 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043801S WG356954-04

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102043801S WG356954-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	4935983.6						51886.06	1.05%
YRADIAL	309802.9						8650.59	2.79%
Ga 417.206	1186431.4						27080.61	2.28%
GaRADIAL	59229.7						2245.35	3.79%
Ag 328.068†	44750.4	0.223	mg/L	0.0046	0.223	mg/L	0.0046	2.08%
Al 396.153†	29482.8	5.90	mg/L	0.018	5.90	mg/L	0.018	0.31%
As 188.979†	245.5	0.223	mg/L	0.0028	0.223	mg/L	0.0028	1.24%
Ba 233.527†	29947.9	0.508	mg/L	0.0044	0.508	mg/L	0.0044	0.87%
Be 234.861†	16275.1	0.0277	mg/L	0.00062	0.0277	mg/L	0.00062	2.24%
B 249.677†	125577.0	2.39	mg/L	0.044	2.39	mg/L	0.044	1.86%
Ca 227.546†	2015.9	19.1	mg/L	0.30	19.1	mg/L	0.30	1.56%
Cd 228.802†	501.6	0.0275	mg/L	0.00054	0.0275	mg/L	0.00054	1.98%
Co 228.616†	1779.4	0.0901	mg/L	0.00100	0.0901	mg/L	0.00100	1.11%
Cr 267.716†	26841.7	0.244	mg/L	0.0023	0.244	mg/L	0.0023	0.96%
Cu 327.393†	40330.7	0.291	mg/L	0.0062	0.291	mg/L	0.0062	2.13%
Fe 239.562†	1835.4	3.97	mg/L	0.158	3.97	mg/L	0.158	3.97%
Mg 279.077†	52441.2	63.8	mg/L	0.78	63.8	mg/L	0.78	1.23%
Mn 257.610†	135163.9	0.316	mg/L	0.0030	0.316	mg/L	0.0030	0.96%
Mo 202.031†	6719.9	0.503	mg/L	0.0052	0.503	mg/L	0.0052	1.04%
Ni 231.604†	7909.6	0.230	mg/L	0.0027	0.230	mg/L	0.0027	1.16%
Pb 220.353†	1384.9	0.237	mg/L	0.0016	0.237	mg/L	0.0016	0.66%
Sb 206.836†	1131.6	0.728	mg/L	0.0182	0.728	mg/L	0.0182	2.51%
Se 196.026†	290.7	0.211	mg/L	0.0087	0.211	mg/L	0.0087	4.11%
Si 251.611†	125138.2	3.65	mg/L	0.079	3.65	mg/L	0.079	2.17%
Sn 189.927†	25.8	0.00360	mg/L	0.000859	0.00360	mg/L	0.000859	23.85%
Ti 334.940†	351888.8	0.484	mg/L	0.0040	0.484	mg/L	0.0040	0.83%
Tl 190.801†	418.4	0.252	mg/L	0.0038	0.252	mg/L	0.0038	1.52%
V 290.880†	69011.8	0.463	mg/L	0.0043	0.463	mg/L	0.0043	0.93%
Zn 206.200†	5747763.4	174	mg/L	1.6	174	mg/L	1.6	0.89%
K 766.490†	95729.6	36.6	mg/L	0.13	36.6	mg/L	0.13	0.36%
Na 589.592†	506579.4	37.2	mg/L	0.18	37.2	mg/L	0.18	0.48%
Sr 407.771†	444289.5	0.435	mg/L	0.0374	0.435	mg/L	0.0374	8.60%
Li 670.784†	44488.8	0.555	mg/L	0.0032	0.555	mg/L	0.0032	0.59%

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Sequence No.: 65 **Autosampler Location: 147**
Sample ID: L1102043801SD WG356954-05 **Date Collected: 2/18/2011 10:59:18 PM**
Analyst: PDM **Data Type: Original**

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043801SD WG356954-05

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102043801SD WG356954-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4951451.8						47085.81	0.95%
YRADIAL	310543.7						6280.43	2.02%
Ga 417.206	1193025.1						2941.22	0.25%
GaRADIAL	58978.1						1240.22	2.10%
Ag 328.068†	44278.9	0.221	mg/L	0.0007	0.221	mg/L	0.0007	0.34%
Al 396.153†	29323.0	5.86	mg/L	0.038	5.86	mg/L	0.038	0.65%
As 188.979†	242.8	0.220	mg/L	0.0058	0.220	mg/L	0.0058	2.64%
Ba 233.527†	29727.0	0.504	mg/L	0.0054	0.504	mg/L	0.0054	1.06%
Be 234.861†	16188.9	0.0275	mg/L	0.00011	0.0275	mg/L	0.00011	0.40%
B 249.677†	124805.7	2.37	mg/L	0.010	2.37	mg/L	0.010	0.43%
Ca 227.546†	1986.1	18.8	mg/L	0.06	18.8	mg/L	0.06	0.32%
Cd 228.802†	491.5	0.0269	mg/L	0.00021	0.0269	mg/L	0.00021	0.77%
Co 228.616†	1767.9	0.0895	mg/L	0.00036	0.0895	mg/L	0.00036	0.41%
Cr 267.716†	26749.2	0.243	mg/L	0.0022	0.243	mg/L	0.0022	0.90%
Cu 327.393†	40287.6	0.291	mg/L	0.0011	0.291	mg/L	0.0011	0.38%
Fe 239.562†	1807.6	3.91	mg/L	0.049	3.91	mg/L	0.049	1.26%
Mg 279.077†	52336.3	63.7	mg/L	0.12	63.7	mg/L	0.12	0.19%
Mn 257.610†	132175.1	0.310	mg/L	0.0034	0.310	mg/L	0.0034	1.10%
Mo 202.031†	6670.0	0.499	mg/L	0.0032	0.499	mg/L	0.0032	0.63%
Ni 231.604†	7833.6	0.228	mg/L	0.0015	0.228	mg/L	0.0015	0.64%
Pb 220.353†	1365.9	0.234	mg/L	0.0022	0.234	mg/L	0.0022	0.96%
Sb 206.836†	1119.3	0.720	mg/L	0.0041	0.720	mg/L	0.0041	0.56%
Se 196.026†	288.3	0.209	mg/L	0.0058	0.209	mg/L	0.0058	2.78%
Si 251.611†	125652.3	3.67	mg/L	0.013	3.67	mg/L	0.013	0.35%
Sn 189.927†	24.1	0.00332	mg/L	0.001037	0.00332	mg/L	0.001037	31.27%
Ti 334.940†	355973.4	0.490	mg/L	0.0061	0.490	mg/L	0.0061	1.24%
Tl 190.801†	419.0	0.253	mg/L	0.0011	0.253	mg/L	0.0011	0.44%
V 290.880†	68453.8	0.459	mg/L	0.0043	0.459	mg/L	0.0043	0.94%
Zn 206.200†	5728296.7	173	mg/L	1.6	173	mg/L	1.6	0.95%
K 766.490†	95656.0	36.6	mg/L	0.18	36.6	mg/L	0.18	0.49%
Na 589.592†	506989.8	37.3	mg/L	0.67	37.3	mg/L	0.67	1.81%
Sr 407.771†	444127.0	0.434	mg/L	0.0489	0.434	mg/L	0.0489	11.27%
Li 670.784†	44396.6	0.554	mg/L	0.0058	0.554	mg/L	0.0058	1.05%

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Sequence No.: 66 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 2/18/2011 11:06:02 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4965638.7						39446.39	0.79%
YRADIAL	313627.3						4029.43	1.28%
Ga 417.206	1187546.0						15472.47	1.30%
GaRADIAL	60015.3						648.05	1.08%
Ag 328.068†	90057.3	0.449	mg/L	0.0066	0.449	mg/L	0.0066	1.48%
Al 396.153†	56711.6	11.3	mg/L	0.04	11.3	mg/L	0.04	0.37%
As 188.979†	502.1	0.456	mg/L	0.0062	0.456	mg/L	0.0062	1.37%
Ba 233.527†	55803.1	0.947	mg/L	0.0118	0.947	mg/L	0.0118	1.25%
Be 234.861†	33537.9	0.0578	mg/L	0.00104	0.0578	mg/L	0.00104	1.80%
B 249.677†	30234.0	0.577	mg/L	0.0091	0.577	mg/L	0.0091	1.58%
Ca 227.546†	1154.5	11.1	mg/L	0.22	11.1	mg/L	0.22	2.02%

Cd 228.802†	988.1	0.0539	mg/L	0.00053	0.0539	mg/L	0.00053	0.98%
Co 228.616†	3633.9	0.184	mg/L	0.0015	0.184	mg/L	0.0015	0.82%
Cr 267.716†	53250.2	0.470	mg/L	0.0058	0.470	mg/L	0.0058	1.23%
Cu 327.393†	81852.4	0.569	mg/L	0.0067	0.569	mg/L	0.0067	1.18%
Fe 239.562†	1667.6	3.61	mg/L	0.025	3.61	mg/L	0.025	0.70%
Mg 279.077†	7483.0	9.11	mg/L	0.009	9.11	mg/L	0.009	0.10%
Mn 257.610†	210295.7	0.479	mg/L	0.0055	0.479	mg/L	0.0055	1.15%
Mo 202.031†	12695.6	0.950	mg/L	0.0080	0.950	mg/L	0.0080	0.85%
Ni 231.604†	16128.2	0.469	mg/L	0.0039	0.469	mg/L	0.0039	0.84%
Pb 220.353†	2801.8	0.478	mg/L	0.0063	0.478	mg/L	0.0063	1.32%
Sb 206.836†	2153.0	1.38	mg/L	0.022	1.38	mg/L	0.022	1.56%
Se 196.026†	622.0	0.446	mg/L	0.0058	0.446	mg/L	0.0058	1.29%
Si 251.611†	193879.4	5.66	mg/L	0.086	5.66	mg/L	0.086	1.53%
Sn 189.927†	5455.3	0.941	mg/L	0.0085	0.941	mg/L	0.0085	0.91%
Ti 334.940†	688452.4	0.947	mg/L	0.0017	0.947	mg/L	0.0017	0.18%
Tl 190.801†	813.6	0.492	mg/L	0.0053	0.492	mg/L	0.0053	1.08%
V 290.880†	139345.8	0.933	mg/L	0.0106	0.933	mg/L	0.0106	1.14%
Zn 206.200†	32574.7	0.988	mg/L	0.0155	0.988	mg/L	0.0155	1.57%
K 766.490†	142633.1	54.9	mg/L	0.47	54.9	mg/L	0.47	0.86%
Na 589.592†	753998.2	56.0	mg/L	0.71	56.0	mg/L	0.71	1.28%
Sr 407.771†	833560.6	0.816	mg/L	0.0770	0.816	mg/L	0.0770	9.43%
Li 670.784†	88518.5	1.10	mg/L	0.008	1.10	mg/L	0.008	0.70%

Sequence No.: 67 **Autosampler Location: 5**
Sample ID: CCB **Date Collected: 2/18/2011 11:12:47 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5190178.6						23088.82	0.44%
YRADIAL	321769.9						5723.40	1.78%
Ga 417.206	1232348.1						12609.75	1.02%
GaRADIAL	61266.9						1814.33	2.96%
Ag 328.068†	-23.0	0.00031	mg/L	0.000976	0.00031	mg/L	0.000976	311.28%
Al 396.153†	25.8	-0.00182	mg/L	0.008335	-0.00182	mg/L	0.008335	458.98%
As 188.979†	0.9	0.00086	mg/L	0.004696	0.00086	mg/L	0.004696	545.51%
Ba 233.527†	8.4	-0.00005	mg/L	0.000027	-0.00005	mg/L	0.000027	50.26%
Be 234.861†	-125.0	-0.00022	mg/L	0.000033	-0.00022	mg/L	0.000033	14.89%
B 249.677†	622.8	0.0135	mg/L	0.00158	0.0135	mg/L	0.00158	11.76%
Ca 227.546†	-4.8	-0.0979	mg/L	0.01575	-0.0979	mg/L	0.01575	16.09%
Cd 228.802†	5.1	0.00042	mg/L	0.000107	0.00042	mg/L	0.000107	25.47%
Co 228.616†	4.9	0.00039	mg/L	0.000329	0.00039	mg/L	0.000329	84.25%
Cr 267.716†	-10.1	-0.00057	mg/L	0.000052	-0.00057	mg/L	0.000052	9.07%
Cu 327.393†	-29.2	-0.00050	mg/L	0.001188	-0.00050	mg/L	0.001188	237.11%
Fe 239.562†	2.2	0.00087	mg/L	0.000315	0.00087	mg/L	0.000315	36.38%
Mg 279.077†	-7.8	-0.0133	mg/L	0.00492	-0.0133	mg/L	0.00492	37.14%
Mn 257.610†	5.3	-0.00025	mg/L	0.000018	-0.00025	mg/L	0.000018	7.20%
Mo 202.031†	-2.3	-0.00011	mg/L	0.000368	-0.00011	mg/L	0.000368	349.64%
Ni 231.604†	-7.8	-0.00017	mg/L	0.000057	-0.00017	mg/L	0.000057	32.98%
Pb 220.353†	-7.0	-0.00116	mg/L	0.000245	-0.00116	mg/L	0.000245	21.01%
Sb 206.836†	1.2	0.00191	mg/L	0.002377	0.00191	mg/L	0.002377	124.71%
Se 196.026†	-1.0	-0.00327	mg/L	0.006980	-0.00327	mg/L	0.006980	213.18%
Si 251.611†	115.5	0.00289	mg/L	0.000402	0.00289	mg/L	0.000402	13.90%
Sn 189.927†	2.1	-0.00049	mg/L	0.000768	-0.00049	mg/L	0.000768	156.54%
Ti 334.940†	197.8	0.00023	mg/L	0.000179	0.00023	mg/L	0.000179	76.56%
Tl 190.801†	4.7	0.00323	mg/L	0.000607	0.00323	mg/L	0.000607	18.79%
V 290.880†	-383.5	-0.00134	mg/L	0.000886	-0.00134	mg/L	0.000886	66.32%
Zn 206.200†	450.3	0.0133	mg/L	0.00070	0.0133	mg/L	0.00070	5.27%
K 766.490†	207.5	0.0967	mg/L	0.03639	0.0967	mg/L	0.03639	37.61%
Na 589.592†	-264.9	-0.0160	mg/L	0.01008	-0.0160	mg/L	0.01008	63.01%
Sr 407.771†	65.5	-0.00021	mg/L	0.000057	-0.00021	mg/L	0.000057	26.94%
Li 670.784†	-15.9	0.00075	mg/L	0.001483	0.00075	mg/L	0.001483	198.26%

Sequence No.: 68 **Autosampler Location:** 94
Sample ID: L1102040202 **Date Collected:** 2/18/2011 11:19:27 PM
Analyst: PDM **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040202

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040202

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5293400.1						69937.77	1.32%
YRADIAL	328928.2						2293.41	0.70%
Ga 417.206	1306670.9						28477.06	2.18%
GaRADIAL	63743.1						881.19	1.38%
Ag 328.068†	37.3	0.00060	mg/L	0.000397	0.00060	mg/L	0.000397	66.13%
Al 396.153†	866.9	0.167	mg/L	0.0140	0.167	mg/L	0.0140	8.41%
As 188.979†	1.4	0.00130	mg/L	0.000640	0.00130	mg/L	0.000640	49.10%
Ba 233.527†	564.6	0.00936	mg/L	0.000115	0.00936	mg/L	0.000115	1.23%
Be 234.861†	-67.1	-0.00015	mg/L	0.000039	-0.00015	mg/L	0.000039	25.29%
B 249.677†	698.5	0.0155	mg/L	0.00049	0.0155	mg/L	0.00049	3.17%
Ca 227.546†	201.5	1.83	mg/L	0.037	1.83	mg/L	0.037	2.00%
Cd 228.802†	0.5	0.00017	mg/L	0.000204	0.00017	mg/L	0.000204	122.43%
Co 228.616†	9.9	0.00063	mg/L	0.000124	0.00063	mg/L	0.000124	19.64%
Cr 267.716†	50.6	-0.00004	mg/L	0.000091	-0.00004	mg/L	0.000091	223.38%
Cu 327.393†	112.2	0.00050	mg/L	0.000731	0.00050	mg/L	0.000731	145.96%
Fe 239.562†	78.2	0.166	mg/L	0.0056	0.166	mg/L	0.0056	3.36%
Mg 279.077†	608.2	0.737	mg/L	0.0064	0.737	mg/L	0.0064	0.86%
Mn 257.610†	5321.5	0.0127	mg/L	0.00012	0.0127	mg/L	0.00012	0.95%
Mo 202.031†	3.0	0.00030	mg/L	0.000219	0.00030	mg/L	0.000219	73.05%
Ni 231.604†	19.4	0.00062	mg/L	0.000135	0.00062	mg/L	0.000135	21.82%
Pb 220.353†	-8.7	-0.00137	mg/L	0.000942	-0.00137	mg/L	0.000942	68.99%
Sb 206.836†	-2.5	-0.00043	mg/L	0.001076	-0.00043	mg/L	0.001076	252.01%
Se 196.026†	-1.7	-0.00330	mg/L	0.003290	-0.00330	mg/L	0.003290	99.81%
Si 251.611†	168695.4	4.93	mg/L	0.128	4.93	mg/L	0.128	2.58%
Sn 189.927†	5.2	0.00005	mg/L	0.000388	0.00005	mg/L	0.000388	737.94%
Ti 334.940†	1988.0	0.00271	mg/L	0.000191	0.00271	mg/L	0.000191	7.03%
Tl 190.801†	9.1	0.00572	mg/L	0.002845	0.00572	mg/L	0.002845	49.73%
V 290.880†	-424.8	-0.00160	mg/L	0.001824	-0.00160	mg/L	0.001824	113.95%
Zn 206.200†	317.7	0.00927	mg/L	0.000317	0.00927	mg/L	0.000317	3.43%
K 766.490†	1205.9	0.473	mg/L	0.0403	0.473	mg/L	0.0403	8.51%
Na 589.592†	24507.2	1.77	mg/L	0.034	1.77	mg/L	0.034	1.90%
Sr 407.771†	10061.1	0.00956	mg/L	0.000746	0.00956	mg/L	0.000746	7.80%
Li 670.784†	68.8	0.00180	mg/L	0.000851	0.00180	mg/L	0.000851	47.22%

Sequence No.: 69 **Autosampler Location:** 95
Sample ID: L1102040207 WG356765-01 **Date Collected:** 2/18/2011 11:26:14 PM
Analyst: PDM **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040207 WG356765-01

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040207 WG356765-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5227475.7						17128.19	0.33%
YRADIAL	339979.4						4438.02	1.31%
Ga 417.206	1297848.4						5623.76	0.43%
GaRADIAL	65060.0						1407.89	2.16%
Ag 328.068†	26.3	0.00055	mg/L	0.000440	0.00055	mg/L	0.000440	80.15%
Al 396.153†	697.3	0.133	mg/L	0.0077	0.133	mg/L	0.0077	5.82%
As 188.979†	-0.5	-0.00049	mg/L	0.002509	-0.00049	mg/L	0.002509	507.41%

Ba 233.527†	506.4	0.00838 mg/L	0.000105	0.00838 mg/L	0.000105	1.25%
Be 234.861†	-74.6	-0.00016 mg/L	0.000024	-0.00016 mg/L	0.000024	15.17%
B 249.677†	682.8	0.0151 mg/L	0.00129	0.0151 mg/L	0.00129	8.57%
Ca 227.546†	183.2	1.66 mg/L	0.033	1.66 mg/L	0.033	1.97%
Cd 228.802†	4.0	0.00037 mg/L	0.000057	0.00037 mg/L	0.000057	15.50%
Co 228.616†	6.4	0.00046 mg/L	0.000092	0.00046 mg/L	0.000092	20.07%
Cr 267.716†	71.0	0.00014 mg/L	0.000161	0.00014 mg/L	0.000161	114.30%
Cu 327.393†	73.3	0.00023 mg/L	0.001012	0.00023 mg/L	0.001012	444.02%
Fe 239.562†	65.6	0.138 mg/L	0.0022	0.138 mg/L	0.0022	1.57%
Mg 279.077†	633.3	0.767 mg/L	0.0065	0.767 mg/L	0.0065	0.85%
Mn 257.610†	4818.7	0.0116 mg/L	0.00007	0.0116 mg/L	0.00007	0.58%
Mo 202.031†	4.0	0.00037 mg/L	0.000298	0.00037 mg/L	0.000298	80.35%
Ni 231.604†	12.3	0.00041 mg/L	0.000130	0.00041 mg/L	0.000130	31.71%
Pb 220.353†	-3.0	-0.00040 mg/L	0.000763	-0.00040 mg/L	0.000763	189.56%
Sb 206.836†	-1.7	0.00006 mg/L	0.000247	0.00006 mg/L	0.000247	403.31%
Se 196.026†	-3.2	-0.00439 mg/L	0.003368	-0.00439 mg/L	0.003368	76.76%
Si 251.611†	180065.1	5.27 mg/L	0.077	5.27 mg/L	0.077	1.46%
Sn 189.927†	3.8	-0.00020 mg/L	0.000739	-0.00020 mg/L	0.000739	370.21%
Ti 334.940†	1747.5	0.00238 mg/L	0.000298	0.00238 mg/L	0.000298	12.53%
Tl 190.801†	11.3	0.00700 mg/L	0.001976	0.00700 mg/L	0.001976	28.24%
V 290.880†	-280.4	-0.00064 mg/L	0.000643	-0.00064 mg/L	0.000643	101.06%
Zn 206.200†	225.7	0.00648 mg/L	0.000209	0.00648 mg/L	0.000209	3.23%
K 766.490†	1059.3	0.417 mg/L	0.0210	0.417 mg/L	0.0210	5.02%
Na 589.592†	26364.1	1.91 mg/L	0.036	1.91 mg/L	0.036	1.89%
Sr 407.771†	10211.1	0.00971 mg/L	0.000868	0.00971 mg/L	0.000868	8.94%
Li 670.784†	-10.8	0.00081 mg/L	0.001710	0.00081 mg/L	0.001710	210.64%

Sequence No.: 70 **Autosampler Location: 96**
Sample ID: L1102040208S WG356765-04 **Date Collected: 2/18/2011 11:32:55 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040208S WG356765-04

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040208S WG356765-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5117729.7						34666.27	0.68%
YRADIAL	329210.2						5936.67	1.80%
Ga 417.206	1263509.3						8350.98	0.66%
GaRADIAL	62446.1						344.74	0.55%
Ag 328.068†	44171.6	0.220	mg/L	0.0048	0.220	mg/L	0.0048	2.18%
Al 396.153†	29563.0	5.91	mg/L	0.014	5.91	mg/L	0.014	0.23%
As 188.979†	235.0	0.213	mg/L	0.0050	0.213	mg/L	0.0050	2.36%
Ba 233.527†	28613.1	0.485	mg/L	0.0113	0.485	mg/L	0.0113	2.33%
Be 234.861†	16444.2	0.0283	mg/L	0.00081	0.0283	mg/L	0.00081	2.88%
B 249.677†	58648.8	1.11	mg/L	0.024	1.11	mg/L	0.024	2.12%
Ca 227.546†	749.4	7.15	mg/L	0.118	7.15	mg/L	0.118	1.65%
Cd 228.802†	474.6	0.0261	mg/L	0.00012	0.0261	mg/L	0.00012	0.47%
Co 228.616†	1820.5	0.0923	mg/L	0.00109	0.0923	mg/L	0.00109	1.18%
Cr 267.716†	26733.9	0.236	mg/L	0.0056	0.236	mg/L	0.0056	2.37%
Cu 327.393†	40073.9	0.279	mg/L	0.0069	0.279	mg/L	0.0069	2.47%
Fe 239.562†	907.3	1.96	mg/L	0.020	1.96	mg/L	0.020	1.04%
Mg 279.077†	4413.5	5.37	mg/L	0.057	5.37	mg/L	0.057	1.06%
Mn 257.610†	111714.8	0.255	mg/L	0.0054	0.255	mg/L	0.0054	2.12%
Mo 202.031†	6359.1	0.476	mg/L	0.0123	0.476	mg/L	0.0123	2.59%
Ni 231.604†	8188.0	0.238	mg/L	0.0043	0.238	mg/L	0.0043	1.80%
Pb 220.353†	1393.0	0.238	mg/L	0.0027	0.238	mg/L	0.0027	1.12%
Sb 206.836†	1047.9	0.674	mg/L	0.0047	0.674	mg/L	0.0047	0.70%
Se 196.026†	300.1	0.214	mg/L	0.0095	0.214	mg/L	0.0095	4.45%
Si 251.611†	282274.0	8.25	mg/L	0.181	8.25	mg/L	0.181	2.19%
Sn 189.927†	2876.2	0.496	mg/L	0.0065	0.496	mg/L	0.0065	1.32%
Ti 334.940†	350197.1	0.482	mg/L	0.0029	0.482	mg/L	0.0029	0.60%
Tl 190.801†	411.2	0.249	mg/L	0.0026	0.249	mg/L	0.0026	1.03%
V 290.880†	69641.1	0.467	mg/L	0.0106	0.467	mg/L	0.0106	2.28%
Zn 206.200†	15721.2	0.477	mg/L	0.0102	0.477	mg/L	0.0102	2.14%
K 766.490†	71913.7	27.4	mg/L	0.16	27.4	mg/L	0.16	0.60%

Na 589.592†	405109.5	29.7	mg/L	0.29	29.7	mg/L	0.29	0.98%
Sr 407.771†	436711.5	0.427	mg/L	0.0368	0.427	mg/L	0.0368	8.60%
Li 670.784†	45127.5	0.563	mg/L	0.0016	0.563	mg/L	0.0016	0.28%

Sequence No.: 71 **Autosampler Location: 97**
Sample ID: L1102040209SD WG356765-05 **Date Collected: 2/18/2011 11:39:40 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040209SD WG356765-05

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040209SD WG356765-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5060405.0						54421.27	1.08%
YRADIAL	324538.5						7291.88	2.25%
Ga 417.206	1246071.6						24954.54	2.00%
GaRADIAL	61618.3						1495.20	2.43%
Ag 328.068†	45122.1	0.225	mg/L	0.0050	0.225	mg/L	0.0050	2.22%
Al 396.153†	30344.8	6.07	mg/L	0.015	6.07	mg/L	0.015	0.25%
As 188.979†	240.1	0.218	mg/L	0.0093	0.218	mg/L	0.0093	4.27%
Ba 233.527†	29278.3	0.497	mg/L	0.0062	0.497	mg/L	0.0062	1.24%
Be 234.861†	16761.5	0.0289	mg/L	0.00083	0.0289	mg/L	0.00083	2.87%
B 249.677†	59972.0	1.14	mg/L	0.033	1.14	mg/L	0.033	2.92%
Ca 227.546†	781.4	7.45	mg/L	0.180	7.45	mg/L	0.180	2.41%
Cd 228.802†	490.2	0.0269	mg/L	0.00038	0.0269	mg/L	0.00038	1.40%
Co 228.616†	1876.4	0.0951	mg/L	0.00131	0.0951	mg/L	0.00131	1.38%
Cr 267.716†	27251.1	0.240	mg/L	0.0021	0.240	mg/L	0.0021	0.86%
Cu 327.393†	40826.8	0.284	mg/L	0.0077	0.284	mg/L	0.0077	2.73%
Fe 239.562†	924.4	2.00	mg/L	0.058	2.00	mg/L	0.058	2.91%
Mg 279.077†	4529.2	5.51	mg/L	0.127	5.51	mg/L	0.127	2.30%
Mn 257.610†	113867.5	0.260	mg/L	0.0030	0.260	mg/L	0.0030	1.14%
Mo 202.031†	6506.0	0.487	mg/L	0.0039	0.487	mg/L	0.0039	0.81%
Ni 231.604†	8332.6	0.243	mg/L	0.0019	0.243	mg/L	0.0019	0.77%
Pb 220.353†	1438.4	0.245	mg/L	0.0045	0.245	mg/L	0.0045	1.83%
Sb 206.836†	1072.7	0.690	mg/L	0.0136	0.690	mg/L	0.0136	1.97%
Se 196.026†	306.7	0.219	mg/L	0.0058	0.219	mg/L	0.0058	2.63%
Si 251.611†	286733.1	8.38	mg/L	0.213	8.38	mg/L	0.213	2.54%
Sn 189.927†	3086.5	0.532	mg/L	0.0075	0.532	mg/L	0.0075	1.40%
Ti 334.940†	359618.0	0.494	mg/L	0.0056	0.494	mg/L	0.0056	1.14%
Tl 190.801†	421.9	0.255	mg/L	0.0009	0.255	mg/L	0.0009	0.36%
V 290.880†	71015.1	0.476	mg/L	0.0063	0.476	mg/L	0.0063	1.32%
Zn 206.200†	16025.3	0.486	mg/L	0.0043	0.486	mg/L	0.0043	0.89%
K 766.490†	73821.6	28.2	mg/L	0.08	28.2	mg/L	0.08	0.27%
Na 589.592†	415016.4	30.4	mg/L	0.45	30.4	mg/L	0.45	1.48%
Sr 407.771†	443147.6	0.434	mg/L	0.0442	0.434	mg/L	0.0442	10.18%
Li 670.784†	46159.6	0.576	mg/L	0.0047	0.576	mg/L	0.0047	0.82%

Sequence No.: 72 **Autosampler Location: 98**
Sample ID: L1102040214 **Date Collected: 2/18/2011 11:46:21 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040214

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040214

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5278166.9						48510.84	0.92%
YRADIAL	327474.9						3418.95	1.04%
Ga 417.206	1303558.4						7615.86	0.58%

GaRADIAL	63430.4					1461.62	2.30%
Ag 328.068†	24.0	0.00053	mg/L	0.000654	0.00053 mg/L	0.000654	122.82%
Al 396.153†	549.3	0.103	mg/L	0.0313	0.103 mg/L	0.0313	30.37%
As 188.979†	0.9	0.00079	mg/L	0.001856	0.00079 mg/L	0.001856	234.44%
Ba 233.527†	545.1	0.00903	mg/L	0.000124	0.00903 mg/L	0.000124	1.37%
Be 234.861†	-67.1	-0.00016	mg/L	0.000018	-0.00016 mg/L	0.000018	11.59%
B 249.677†	1103.5	0.0233	mg/L	0.00051	0.0233 mg/L	0.00051	2.18%
Ca 227.546†	222.1	2.02	mg/L	0.019	2.02 mg/L	0.019	0.92%
Cd 228.802†	2.8	0.00029	mg/L	0.000138	0.00029 mg/L	0.000138	47.08%
Co 228.616†	3.3	0.00030	mg/L	0.000208	0.00030 mg/L	0.000208	69.62%
Cr 267.716†	52.1	-0.00003	mg/L	0.000071	-0.00003 mg/L	0.000071	253.28%
Cu 327.393†	120.9	0.00056	mg/L	0.000518	0.00056 mg/L	0.000518	92.22%
Fe 239.562†	84.9	0.180	mg/L	0.0025	0.180 mg/L	0.0025	1.41%
Mg 279.077†	754.0	0.914	mg/L	0.0210	0.914 mg/L	0.0210	2.30%
Mn 257.610†	7710.6	0.0182	mg/L	0.00018	0.0182 mg/L	0.00018	0.97%
Mo 202.031†	0.6	0.00012	mg/L	0.000284	0.00012 mg/L	0.000284	239.39%
Ni 231.604†	-0.3	0.00004	mg/L	0.000170	0.00004 mg/L	0.000170	386.25%
Pb 220.353†	-8.8	-0.00138	mg/L	0.000933	-0.00138 mg/L	0.000933	67.66%
Sb 206.836†	-0.8	0.00062	mg/L	0.001404	0.00062 mg/L	0.001404	226.72%
Se 196.026†	-3.4	-0.00443	mg/L	0.004998	-0.00443 mg/L	0.004998	112.90%
Si 251.611†	195802.3	5.73	mg/L	0.044	5.73 mg/L	0.044	0.77%
Sn 189.927†	6.1	0.00021	mg/L	0.000887	0.00021 mg/L	0.000887	421.25%
Ti 334.940†	1407.2	0.00192	mg/L	0.000150	0.00192 mg/L	0.000150	7.82%
Tl 190.801†	6.9	0.00439	mg/L	0.001499	0.00439 mg/L	0.001499	34.13%
V 290.880†	-405.5	-0.00147	mg/L	0.000998	-0.00147 mg/L	0.000998	67.87%
Zn 206.200†	147.5	0.00411	mg/L	0.000078	0.00411 mg/L	0.000078	1.90%
K 766.490†	1447.9	0.564	mg/L	0.0125	0.564 mg/L	0.0125	2.22%
Na 589.592†	33471.2	2.42	mg/L	0.019	2.42 mg/L	0.019	0.80%
Sr 407.771†	12856.3	0.0123	mg/L	0.00095	0.0123 mg/L	0.00095	7.69%
Li 670.784†	-43.7	0.00040	mg/L	0.001663	0.00040 mg/L	0.001663	414.30%

Sequence No.: 73 **Autosampler Location: 99**
Sample ID: L1102040217 **Date Collected: 2/18/2011 11:53:03 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040217

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040217

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5289721.6						41452.71	0.78%
YRADIAL	325416.9						4450.80	1.37%
Ga 417.206	1309737.8						12523.91	0.96%
GaRADIAL	62976.1						753.89	1.20%
Ag 328.068†	38.5	0.00061	mg/L	0.001172	0.00061	mg/L	0.001172	193.74%
Al 396.153†	558.8	0.105	mg/L	0.0166	0.105	mg/L	0.0166	15.83%
As 188.979†	-0.7	-0.00061	mg/L	0.000408	-0.00061	mg/L	0.000408	66.37%
Ba 233.527†	534.2	0.00885	mg/L	0.000065	0.00885	mg/L	0.000065	0.74%
Be 234.861†	-55.9	-0.00014	mg/L	0.000025	-0.00014	mg/L	0.000025	18.46%
B 249.677†	968.5	0.0207	mg/L	0.00083	0.0207	mg/L	0.00083	4.00%
Ca 227.546†	222.3	2.03	mg/L	0.036	2.03	mg/L	0.036	1.79%
Cd 228.802†	1.3	0.00022	mg/L	0.000047	0.00022	mg/L	0.000047	21.35%
Co 228.616†	8.1	0.00054	mg/L	0.000157	0.00054	mg/L	0.000157	28.84%
Cr 267.716†	56.0	0.00001	mg/L	0.000105	0.00001	mg/L	0.000105	>999.9%
Cu 327.393†	54.2	0.00010	mg/L	0.001370	0.00010	mg/L	0.001370	>999.9%
Fe 239.562†	86.9	0.185	mg/L	0.0047	0.185	mg/L	0.0047	2.55%
Mg 279.077†	739.9	0.897	mg/L	0.0133	0.897	mg/L	0.0133	1.48%
Mn 257.610†	7504.2	0.0177	mg/L	0.00011	0.0177	mg/L	0.00011	0.60%
Mo 202.031†	3.7	0.00035	mg/L	0.000221	0.00035	mg/L	0.000221	62.93%
Ni 231.604†	2.2	0.00012	mg/L	0.000059	0.00012	mg/L	0.000059	49.47%
Pb 220.353†	-5.1	-0.00076	mg/L	0.000798	-0.00076	mg/L	0.000798	105.41%
Sb 206.836†	-0.9	0.00060	mg/L	0.001868	0.00060	mg/L	0.001868	309.26%
Se 196.026†	1.5	-0.00091	mg/L	0.001241	-0.00091	mg/L	0.001241	136.74%
Si 251.611†	192012.5	5.62	mg/L	0.051	5.62	mg/L	0.051	0.90%
Sn 189.927†	2.7	-0.00039	mg/L	0.000295	-0.00039	mg/L	0.000295	76.42%
Ti 334.940†	1586.5	0.00216	mg/L	0.000265	0.00216	mg/L	0.000265	12.26%

Tl 190.801†	3.3	0.00224 mg/L	0.003149	0.00224 mg/L	0.003149	140.28%
V 290.880†	-351.4	-0.00111 mg/L	0.000894	-0.00111 mg/L	0.000894	80.75%
Zn 206.200†	130.1	0.00358 mg/L	0.000223	0.00358 mg/L	0.000223	6.22%
K 766.490†	1371.1	0.535 mg/L	0.0387	0.535 mg/L	0.0387	7.24%
Na 589.592†	32306.7	2.34 mg/L	0.036	2.34 mg/L	0.036	1.54%
Sr 407.771†	12135.2	0.0116 mg/L	0.00102	0.0116 mg/L	0.00102	8.81%
Li 670.784†	-93.6	-0.00022 mg/L	0.001298	-0.00022 mg/L	0.001298	589.25%

Sequence No.: 74 **Autosampler Location: 100**
Sample ID: L1102040220 **Date Collected: 2/18/2011 11:59:44 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040220

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040220

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5233476.4						21649.49	0.41%
YRADIAL	332820.4						4682.50	1.41%
Ga 417.206	1257378.5						8799.61	0.70%
GaRADIAL	63282.6						400.41	0.63%
Ag 328.068†	-19.0	0.00033	mg/L	0.000869	0.00033	mg/L	0.000869	261.27%
Al 396.153†	30.2	-0.00093	mg/L	0.005064	-0.00093	mg/L	0.005064	543.03%
As 188.979†	0.2	0.00020	mg/L	0.001757	0.00020	mg/L	0.001757	867.75%
Ba 233.527†	-1.6	-0.00022	mg/L	0.000021	-0.00022	mg/L	0.000021	9.36%
Be 234.861†	-127.6	-0.00023	mg/L	0.000021	-0.00023	mg/L	0.000021	9.34%
B 249.677†	863.0	0.0180	mg/L	0.00035	0.0180	mg/L	0.00035	1.95%
Ca 227.546†	2.0	-0.0345	mg/L	0.05964	-0.0345	mg/L	0.05964	172.83%
Cd 228.802†	4.8	0.00041	mg/L	0.000060	0.00041	mg/L	0.000060	14.48%
Co 228.616†	8.4	0.00057	mg/L	0.000202	0.00057	mg/L	0.000202	35.53%
Cr 267.716†	44.6	-0.00008	mg/L	0.000057	-0.00008	mg/L	0.000057	67.47%
Cu 327.393†	-15.7	-0.00041	mg/L	0.000292	-0.00041	mg/L	0.000292	71.41%
Fe 239.562†	2.8	0.00212	mg/L	0.001578	0.00212	mg/L	0.001578	74.56%
Mg 279.077†	-11.7	-0.0180	mg/L	0.00852	-0.0180	mg/L	0.00852	47.37%
Mn 257.610†	8.0	-0.00025	mg/L	0.000009	-0.00025	mg/L	0.000009	3.63%
Mo 202.031†	-3.0	-0.00016	mg/L	0.000053	-0.00016	mg/L	0.000053	32.68%
Ni 231.604†	-7.0	-0.00015	mg/L	0.000160	-0.00015	mg/L	0.000160	107.91%
Pb 220.353†	-5.2	-0.00086	mg/L	0.000546	-0.00086	mg/L	0.000546	63.60%
Sb 206.836†	-3.3	-0.00095	mg/L	0.000971	-0.00095	mg/L	0.000971	102.52%
Se 196.026†	3.6	0.00004	mg/L	0.003842	0.00004	mg/L	0.003842	>999.9%
Si 251.611†	183.6	0.00488	mg/L	0.000098	0.00488	mg/L	0.000098	2.01%
Sn 189.927†	3.1	-0.00031	mg/L	0.000724	-0.00031	mg/L	0.000724	235.03%
Ti 334.940†	195.1	0.00023	mg/L	0.000110	0.00023	mg/L	0.000110	47.53%
Tl 190.801†	4.7	0.00323	mg/L	0.002093	0.00323	mg/L	0.002093	64.74%
V 290.880†	-434.3	-0.00168	mg/L	0.000674	-0.00168	mg/L	0.000674	40.20%
Zn 206.200†	103.2	0.00277	mg/L	0.000099	0.00277	mg/L	0.000099	3.56%
K 766.490†	-34.3	0.00529	mg/L	0.029824	0.00529	mg/L	0.029824	564.16%
Na 589.592†	-885.1	-0.0607	mg/L	0.00485	-0.0607	mg/L	0.00485	7.98%
Sr 407.771†	44.4	-0.00023	mg/L	0.000021	-0.00023	mg/L	0.000021	9.03%
Li 670.784†	-155.4	-0.00099	mg/L	0.001907	-0.00099	mg/L	0.001907	192.71%

Sequence No.: 75 **Autosampler Location: 101**
Sample ID: L1102040220PS WG356832-01 **Date Collected: 2/19/2011 12:06:23 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040220PS WG356832-01

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040220PS WG356832-01

Analyte	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	5035821.3						41050.35	0.82%
YRADIAL	319381.1						6574.52	2.06%
Ga 417.206	1228648.5						26533.30	2.16%
GaRADIAL	61018.6						727.85	1.19%
Ag 328.068†	44513.2	0.222	mg/L	0.0030	0.222	mg/L	0.0030	1.33%
Al 396.153†	28357.5	5.67	mg/L	0.043	5.67	mg/L	0.043	0.76%
As 188.979†	244.6	0.222	mg/L	0.0050	0.222	mg/L	0.0050	2.24%
Ba 233.527†	28072.0	0.476	mg/L	0.0015	0.476	mg/L	0.0015	0.32%
Be 234.861†	16383.8	0.0282	mg/L	0.00040	0.0282	mg/L	0.00040	1.40%
B 249.677†	59140.2	1.12	mg/L	0.019	1.12	mg/L	0.019	1.67%
Ca 227.546†	565.3	5.43	mg/L	0.096	5.43	mg/L	0.096	1.76%
Cd 228.802†	486.7	0.0267	mg/L	0.00047	0.0267	mg/L	0.00047	1.77%
Co 228.616†	1836.3	0.0931	mg/L	0.00067	0.0931	mg/L	0.00067	0.72%
Cr 267.716†	26673.4	0.235	mg/L	0.0015	0.235	mg/L	0.0015	0.62%
Cu 327.393†	40121.5	0.279	mg/L	0.0039	0.279	mg/L	0.0039	1.40%
Fe 239.562†	824.4	1.78	mg/L	0.023	1.78	mg/L	0.023	1.29%
Mg 279.077†	3766.6	4.58	mg/L	0.061	4.58	mg/L	0.061	1.34%
Mn 257.610†	106245.4	0.242	mg/L	0.0012	0.242	mg/L	0.0012	0.51%
Mo 202.031†	6362.6	0.476	mg/L	0.0029	0.476	mg/L	0.0029	0.60%
Ni 231.604†	8202.3	0.239	mg/L	0.0010	0.239	mg/L	0.0010	0.43%
Pb 220.353†	1414.6	0.241	mg/L	0.0025	0.241	mg/L	0.0025	1.06%
Sb 206.836†	1066.9	0.686	mg/L	0.0119	0.686	mg/L	0.0119	1.73%
Se 196.026†	302.0	0.215	mg/L	0.0031	0.215	mg/L	0.0031	1.46%
Si 251.611†	97557.5	2.85	mg/L	0.042	2.85	mg/L	0.042	1.47%
Sn 189.927†	0.4	-0.00078	mg/L	0.000877	-0.00078	mg/L	0.000877	111.79%
Ti 334.940†	343646.4	0.472	mg/L	0.0012	0.472	mg/L	0.0012	0.25%
Tl 190.801†	408.0	0.247	mg/L	0.0043	0.247	mg/L	0.0043	1.73%
V 290.880†	69356.9	0.465	mg/L	0.0020	0.465	mg/L	0.0020	0.44%
Zn 206.200†	15724.6	0.477	mg/L	0.0016	0.477	mg/L	0.0016	0.34%
K 766.490†	70489.4	26.9	mg/L	0.33	26.9	mg/L	0.33	1.21%
Na 589.592†	374395.7	27.4	mg/L	0.17	27.4	mg/L	0.17	0.60%
Sr 407.771†	423175.0	0.414	mg/L	0.0397	0.414	mg/L	0.0397	9.58%
Li 670.784†	44021.7	0.549	mg/L	0.0013	0.549	mg/L	0.0013	0.24%

Sequence No.: 76 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 2/19/2011 12:13:07 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4938261.0						54522.91	1.10%
YRADIAL	313058.8						5802.27	1.85%
Ga 417.206	1184447.2						21279.18	1.80%
GaRADIAL	59414.3						791.70	1.33%
Ag 328.068†	89518.3	0.446	mg/L	0.0044	0.446	mg/L	0.0044	0.98%
Al 396.153†	56456.7	11.3	mg/L	0.05	11.3	mg/L	0.05	0.46%
As 188.979†	500.7	0.454	mg/L	0.0105	0.454	mg/L	0.0105	2.31%
Ba 233.527†	55845.1	0.948	mg/L	0.0083	0.948	mg/L	0.0083	0.87%
Be 234.861†	33450.8	0.0577	mg/L	0.00076	0.0577	mg/L	0.00076	1.32%
B 249.677†	30259.8	0.577	mg/L	0.0057	0.577	mg/L	0.0057	0.99%
Ca 227.546†	1153.0	11.1	mg/L	0.13	11.1	mg/L	0.13	1.15%
Cd 228.802†	986.6	0.0539	mg/L	0.00069	0.0539	mg/L	0.00069	1.28%
Co 228.616†	3651.5	0.185	mg/L	0.0016	0.185	mg/L	0.0016	0.89%
Cr 267.716†	53139.5	0.469	mg/L	0.0025	0.469	mg/L	0.0025	0.53%
Cu 327.393†	80451.7	0.559	mg/L	0.0064	0.559	mg/L	0.0064	1.14%
Fe 239.562†	1651.6	3.58	mg/L	0.032	3.58	mg/L	0.032	0.91%
Mg 279.077†	7411.9	9.02	mg/L	0.098	9.02	mg/L	0.098	1.09%
Mn 257.610†	209713.6	0.478	mg/L	0.0031	0.478	mg/L	0.0031	0.66%
Mo 202.031†	12976.9	0.971	mg/L	0.0079	0.971	mg/L	0.0079	0.82%
Ni 231.604†	16091.8	0.468	mg/L	0.0037	0.468	mg/L	0.0037	0.78%
Pb 220.353†	2823.2	0.482	mg/L	0.0045	0.482	mg/L	0.0045	0.92%
Sb 206.836†	2154.6	1.38	mg/L	0.018	1.38	mg/L	0.018	1.31%

Se 196.026†	622.3	0.446	mg/L	0.0023	0.446	mg/L	0.0023	0.51%
Si 251.611†	191748.3	5.59	mg/L	0.067	5.59	mg/L	0.067	1.20%
Sn 189.927†	5484.8	0.946	mg/L	0.0063	0.946	mg/L	0.0063	0.67%
Ti 334.940†	689643.7	0.948	mg/L	0.0077	0.948	mg/L	0.0077	0.81%
Tl 190.801†	806.4	0.488	mg/L	0.0070	0.488	mg/L	0.0070	1.44%
V 290.880†	138409.8	0.927	mg/L	0.0046	0.927	mg/L	0.0046	0.50%
Zn 206.200†	31569.2	0.958	mg/L	0.0095	0.958	mg/L	0.0095	1.00%
K 766.490†	142002.7	54.6	mg/L	0.08	54.6	mg/L	0.08	0.14%
Na 589.592†	751150.0	55.8	mg/L	1.00	55.8	mg/L	1.00	1.80%
Sr 407.771†	819303.2	0.802	mg/L	0.0662	0.802	mg/L	0.0662	8.25%
Li 670.784†	87703.7	1.09	mg/L	0.013	1.09	mg/L	0.013	1.17%

Sequence No.: 77 **Autosampler Location: 5**
Sample ID: CCB **Date Collected: 2/19/2011 12:19:51 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5302066.9						60078.31	1.13%
YRADIAL	323927.1						4752.94	1.47%
Ga 417.206	1245056.3						15292.84	1.23%
GaRADIAL	61326.5						1856.11	3.03%
Ag 328.068†	204.5	0.00144	mg/L	0.000748	0.00144	mg/L	0.000748	51.86%
Al 396.153†	-69.4	-0.0209	mg/L	0.00127	-0.0209	mg/L	0.00127	6.07%
As 188.979†	-3.0	-0.00275	mg/L	0.003621	-0.00275	mg/L	0.003621	131.47%
Ba 233.527†	5.0	-0.00011	mg/L	0.000013	-0.00011	mg/L	0.000013	11.21%
Be 234.861†	-126.6	-0.00022	mg/L	0.000026	-0.00022	mg/L	0.000026	11.67%
B 249.677†	887.9	0.0185	mg/L	0.00114	0.0185	mg/L	0.00114	6.19%
Ca 227.546†	-0.3	-0.0555	mg/L	0.04361	-0.0555	mg/L	0.04361	78.54%
Cd 228.802†	5.1	0.00045	mg/L	0.000076	0.00045	mg/L	0.000076	17.00%
Co 228.616†	4.6	0.00038	mg/L	0.000151	0.00038	mg/L	0.000151	40.11%
Cr 267.716†	6.5	-0.00042	mg/L	0.000074	-0.00042	mg/L	0.000074	17.54%
Cu 327.393†	-34.3	-0.00054	mg/L	0.000602	-0.00054	mg/L	0.000602	112.03%
Fe 239.562†	0.8	-0.00211	mg/L	0.003652	-0.00211	mg/L	0.003652	173.44%
Mg 279.077†	-7.3	-0.0126	mg/L	0.00233	-0.0126	mg/L	0.00233	18.53%
Mn 257.610†	-4.0	-0.00028	mg/L	0.000013	-0.00028	mg/L	0.000013	4.78%
Mo 202.031†	4.4	0.00039	mg/L	0.000213	0.00039	mg/L	0.000213	53.89%
Ni 231.604†	-14.8	-0.00038	mg/L	0.000067	-0.00038	mg/L	0.000067	17.91%
Pb 220.353†	-8.8	-0.00146	mg/L	0.000218	-0.00146	mg/L	0.000218	14.94%
Sb 206.836†	-0.6	0.00079	mg/L	0.001243	0.00079	mg/L	0.001243	158.18%
Se 196.026†	-0.5	-0.00290	mg/L	0.004808	-0.00290	mg/L	0.004808	165.97%
Si 251.611†	116.7	0.00292	mg/L	0.000362	0.00292	mg/L	0.000362	12.41%
Sn 189.927†	6.9	0.00035	mg/L	0.000445	0.00035	mg/L	0.000445	127.04%
Ti 334.940†	242.6	0.00030	mg/L	0.000034	0.00030	mg/L	0.000034	11.33%
Tl 190.801†	2.2	0.00175	mg/L	0.000949	0.00175	mg/L	0.000949	54.22%
V 290.880†	-437.1	-0.00169	mg/L	0.000572	-0.00169	mg/L	0.000572	33.73%
Zn 206.200†	39.0	0.00083	mg/L	0.000089	0.00083	mg/L	0.000089	10.77%
K 766.490†	168.5	0.0820	mg/L	0.02298	0.0820	mg/L	0.02298	28.02%
Na 589.592†	-542.6	-0.0360	mg/L	0.00132	-0.0360	mg/L	0.00132	3.67%
Sr 407.771†	107.0	-0.00017	mg/L	0.000031	-0.00017	mg/L	0.000031	18.13%
Li 670.784†	-93.2	-0.00022	mg/L	0.001271	-0.00022	mg/L	0.001271	591.16%

Sequence No.: 78 **Autosampler Location: 102**
Sample ID: L1102040220DL WG356832-02 **Date Collected: 2/19/2011 12:26:30 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040220DL WG356832-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040220DL WG356832-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5206741.8						37535.61	0.72%
YRADIAL	327976.3						4093.88	1.25%
Ga 417.206	1246141.1						4046.84	0.32%
GaRADIAL	61794.4						1413.97	2.29%
Ag 328.068†	34.8	0.00060	mg/L	0.000337	0.00060	mg/L	0.000337	55.97%
Al 396.153†	-2.5	-0.00749	mg/L	0.017326	-0.00749	mg/L	0.017326	231.38%
As 188.979†	-1.4	-0.00129	mg/L	0.004208	-0.00129	mg/L	0.004208	326.84%
Ba 233.527†	5.1	-0.00011	mg/L	0.000136	-0.00011	mg/L	0.000136	125.17%
Be 234.861†	-131.6	-0.00023	mg/L	0.000008	-0.00023	mg/L	0.000008	3.34%
B 249.677†	853.5	0.0178	mg/L	0.00165	0.0178	mg/L	0.00165	9.29%
Ca 227.546†	-9.2	-0.140	mg/L	0.0452	-0.140	mg/L	0.0452	32.37%
Cd 228.802†	3.1	0.00032	mg/L	0.000158	0.00032	mg/L	0.000158	48.80%
Co 228.616†	3.5	0.00032	mg/L	0.000299	0.00032	mg/L	0.000299	93.27%
Cr 267.716†	-1.9	-0.00050	mg/L	0.000098	-0.00050	mg/L	0.000098	19.77%
Cu 327.393†	11.7	-0.00022	mg/L	0.001112	-0.00022	mg/L	0.001112	507.06%
Fe 239.562†	-1.3	-0.00663	mg/L	0.009239	-0.00663	mg/L	0.009239	139.27%
Mg 279.077†	-9.1	-0.0148	mg/L	0.00374	-0.0148	mg/L	0.00374	25.37%
Mn 257.610†	47.8	-0.00016	mg/L	0.000023	-0.00016	mg/L	0.000023	14.55%
Mo 202.031†	0.6	0.00011	mg/L	0.000351	0.00011	mg/L	0.000351	317.18%
Ni 231.604†	-13.0	-0.00033	mg/L	0.000206	-0.00033	mg/L	0.000206	63.22%
Pb 220.353†	-4.0	-0.00066	mg/L	0.000203	-0.00066	mg/L	0.000203	30.78%
Sb 206.836†	-2.3	-0.00029	mg/L	0.001815	-0.00029	mg/L	0.001815	632.79%
Se 196.026†	9.2	0.00400	mg/L	0.001995	0.00400	mg/L	0.001995	49.92%
Si 251.611†	176.7	0.00468	mg/L	0.000080	0.00468	mg/L	0.000080	1.71%
Sn 189.927†	5.3	0.00007	mg/L	0.001003	0.00007	mg/L	0.001003	>999.9%
Ti 334.940†	229.6	0.00028	mg/L	0.000191	0.00028	mg/L	0.000191	68.79%
Tl 190.801†	5.9	0.00395	mg/L	0.002699	0.00395	mg/L	0.002699	68.36%
V 290.880†	-350.2	-0.00111	mg/L	0.000162	-0.00111	mg/L	0.000162	14.53%
Zn 206.200†	106.4	0.00287	mg/L	0.000059	0.00287	mg/L	0.000059	2.05%
K 766.490†	144.7	0.0730	mg/L	0.00923	0.0730	mg/L	0.00923	12.64%
Na 589.592†	-511.7	-0.0338	mg/L	0.00589	-0.0338	mg/L	0.00589	17.43%
Sr 407.771†	90.4	-0.00019	mg/L	0.000090	-0.00019	mg/L	0.000090	48.31%
Li 670.784†	-113.0	-0.00046	mg/L	0.000898	-0.00046	mg/L	0.000898	194.34%

Sequence No.: 79 **Autosampler Location: 103**
Sample ID: L1102040223 **Date Collected: 2/19/2011 12:33:10 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040223

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040223

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5253501.2						32689.70	0.62%
YRADIAL	324915.3						1847.93	0.57%
Ga 417.206	1263837.8						19132.50	1.51%
GaRADIAL	61806.8						626.25	1.01%
Ag 328.068†	25.5	0.00055	mg/L	0.000356	0.00055	mg/L	0.000356	64.27%
Al 396.153†	-1.2	-0.00723	mg/L	0.016815	-0.00723	mg/L	0.016815	232.51%
As 188.979†	0.7	0.00065	mg/L	0.004193	0.00065	mg/L	0.004193	646.00%
Ba 233.527†	2.3	-0.00016	mg/L	0.000119	-0.00016	mg/L	0.000119	75.40%
Be 234.861†	-132.1	-0.00023	mg/L	0.000010	-0.00023	mg/L	0.000010	4.41%
B 249.677†	892.1	0.0186	mg/L	0.00052	0.0186	mg/L	0.00052	2.78%
Ca 227.546†	8.1	0.0239	mg/L	0.10097	0.0239	mg/L	0.10097	422.76%
Cd 228.802†	4.7	0.00041	mg/L	0.000102	0.00041	mg/L	0.000102	25.13%
Co 228.616†	6.7	0.00048	mg/L	0.000382	0.00048	mg/L	0.000382	79.37%
Cr 267.716†	12.4	-0.00037	mg/L	0.000053	-0.00037	mg/L	0.000053	14.21%
Cu 327.393†	170.4	0.00088	mg/L	0.000203	0.00088	mg/L	0.000203	23.05%
Fe 239.562†	3.6	0.00401	mg/L	0.004193	0.00401	mg/L	0.004193	104.48%
Mg 279.077†	-9.0	-0.0147	mg/L	0.00411	-0.0147	mg/L	0.00411	27.91%
Mn 257.610†	18.8	-0.00023	mg/L	0.000009	-0.00023	mg/L	0.000009	4.17%

Mo 202.031†	2.5	0.00025 mg/L	0.000223	0.00025 mg/L	0.000223	88.69%
Ni 231.604†	2.9	0.00014 mg/L	0.000065	0.00014 mg/L	0.000065	47.17%
Pb 220.353†	-6.3	-0.00104 mg/L	0.000349	-0.00104 mg/L	0.000349	33.49%
Sb 206.836†	-3.7	-0.00119 mg/L	0.001915	-0.00119 mg/L	0.001915	160.60%
Se 196.026†	-2.9	-0.00461 mg/L	0.000620	-0.00461 mg/L	0.000620	13.45%
Si 251.611†	218.9	0.00591 mg/L	0.000363	0.00591 mg/L	0.000363	6.14%
Sn 189.927†	1.1	-0.00065 mg/L	0.000293	-0.00065 mg/L	0.000293	44.89%
Ti 334.940†	153.2	0.00017 mg/L	0.000251	0.00017 mg/L	0.000251	144.61%
Tl 190.801†	3.3	0.00238 mg/L	0.003561	0.00238 mg/L	0.003561	149.48%
V 290.880†	-442.1	-0.00173 mg/L	0.000278	-0.00173 mg/L	0.000278	16.08%
Zn 206.200†	88.3	0.00232 mg/L	0.000154	0.00232 mg/L	0.000154	6.63%
K 766.490†	158.2	0.0781 mg/L	0.04957	0.0781 mg/L	0.04957	63.44%
Na 589.592†	-856.9	-0.0587 mg/L	0.00956	-0.0587 mg/L	0.00956	16.28%
Sr 407.771†	61.5	-0.00022 mg/L	0.000065	-0.00022 mg/L	0.000065	30.06%
Li 670.784†	-184.9	-0.00136 mg/L	0.001430	-0.00136 mg/L	0.001430	105.41%

Sequence No.: 80 **Autosampler Location: 104**
Sample ID: L1102041217 **Date Collected: 2/19/2011 12:39:53 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041217

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041217

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5301290.8						86115.22	1.62%
YRADIAL	325265.2						8917.61	2.74%
Ga 417.206	1288614.0						40184.27	3.12%
GaRADIAL	61596.3						1767.00	2.87%
Ag 328.068†	84.8	0.00083	mg/L	0.000281	0.00083	mg/L	0.000281	33.93%
Al 396.153†	1811.1	0.356	mg/L	0.0040	0.356	mg/L	0.0040	1.12%
As 188.979†	1.5	0.00141	mg/L	0.000730	0.00141	mg/L	0.000730	51.96%
Ba 233.527†	201.1	0.00321	mg/L	0.000102	0.00321	mg/L	0.000102	3.18%
Be 234.861†	-54.7	-0.00015	mg/L	0.000037	-0.00015	mg/L	0.000037	24.24%
B 249.677†	1040.1	0.0222	mg/L	0.00129	0.0222	mg/L	0.00129	5.81%
Ca 227.546†	177.8	1.62	mg/L	0.063	1.62	mg/L	0.063	3.86%
Cd 228.802†	3.2	0.00031	mg/L	0.000200	0.00031	mg/L	0.000200	63.68%
Co 228.616†	5.9	0.00041	mg/L	0.000150	0.00041	mg/L	0.000150	37.06%
Cr 267.716†	1098.7	0.00922	mg/L	0.000166	0.00922	mg/L	0.000166	1.80%
Cu 327.393†	10356.3	0.0716	mg/L	0.00157	0.0716	mg/L	0.00157	2.20%
Fe 239.562†	127.4	0.272	mg/L	0.0087	0.272	mg/L	0.0087	3.18%
Mg 279.077†	129.1	0.153	mg/L	0.0072	0.153	mg/L	0.0072	4.68%
Mn 257.610†	2350.7	0.00523	mg/L	0.000101	0.00523	mg/L	0.000101	1.93%
Mo 202.031†	3.6	0.00035	mg/L	0.000356	0.00035	mg/L	0.000356	101.87%
Ni 231.604†	56.6	0.00170	mg/L	0.000200	0.00170	mg/L	0.000200	11.73%
Pb 220.353†	15.8	0.00271	mg/L	0.000967	0.00271	mg/L	0.000967	35.76%
Sb 206.836†	-4.8	-0.00195	mg/L	0.001370	-0.00195	mg/L	0.001370	70.45%
Se 196.026†	4.2	0.00092	mg/L	0.004078	0.00092	mg/L	0.004078	443.28%
Si 251.611†	30166.6	0.882	mg/L	0.0153	0.882	mg/L	0.0153	1.74%
Sn 189.927†	9.9	0.00086	mg/L	0.000230	0.00086	mg/L	0.000230	26.72%
Ti 334.940†	9293.3	0.0128	mg/L	0.00008	0.0128	mg/L	0.00008	0.61%
Tl 190.801†	7.0	0.00461	mg/L	0.004471	0.00461	mg/L	0.004471	96.90%
V 290.880†	-376.9	-0.00127	mg/L	0.000386	-0.00127	mg/L	0.000386	30.39%
Zn 206.200†	544.8	0.0162	mg/L	0.00041	0.0162	mg/L	0.00041	2.52%
K 766.490†	1504.2	0.587	mg/L	0.0647	0.587	mg/L	0.0647	11.02%
Na 589.592†	6881.1	0.500	mg/L	0.0023	0.500	mg/L	0.0023	0.47%
Sr 407.771†	4043.7	0.00365	mg/L	0.000403	0.00365	mg/L	0.000403	11.02%
Li 670.784†	-23.5	0.00065	mg/L	0.001663	0.00065	mg/L	0.001663	254.80%

Sequence No.: 81 **Autosampler Location: 105**
Sample ID: L1102041218 **Date Collected: 2/19/2011 12:46:32 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041218

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041218

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5300201.2						28799.56	0.54%
YRADIAL	328091.2						4382.15	1.34%
Ga 417.206	1271156.2						16935.66	1.33%
GaRADIAL	62141.2						942.07	1.52%
Ag 328.068†	67.9	0.00076	mg/L	0.001008	0.00076	mg/L	0.001008	133.21%
Al 396.153†	571.4	0.108	mg/L	0.0040	0.108	mg/L	0.0040	3.68%
As 188.979†	1.1	0.00105	mg/L	0.002224	0.00105	mg/L	0.002224	211.10%
Ba 233.527†	70.5	0.00100	mg/L	0.000084	0.00100	mg/L	0.000084	8.43%
Be 234.861†	-105.3	-0.00020	mg/L	0.000046	-0.00020	mg/L	0.000046	22.98%
B 249.677†	938.2	0.0196	mg/L	0.00127	0.0196	mg/L	0.00127	6.46%
Ca 227.546†	79.3	0.695	mg/L	0.0703	0.695	mg/L	0.0703	10.11%
Cd 228.802†	1.0	0.00020	mg/L	0.000092	0.00020	mg/L	0.000092	47.01%
Co 228.616†	3.6	0.00031	mg/L	0.000130	0.00031	mg/L	0.000130	41.88%
Cr 267.716†	261.1	0.00183	mg/L	0.000078	0.00183	mg/L	0.000078	4.28%
Cu 327.393†	8762.0	0.0605	mg/L	0.00100	0.0605	mg/L	0.00100	1.65%
Fe 239.562†	33.5	0.0687	mg/L	0.00126	0.0687	mg/L	0.00126	1.84%
Mg 279.077†	30.7	0.0336	mg/L	0.00725	0.0336	mg/L	0.00725	21.55%
Mn 257.610†	1613.5	0.00343	mg/L	0.000048	0.00343	mg/L	0.000048	1.40%
Mo 202.031†	2.6	0.00026	mg/L	0.000336	0.00026	mg/L	0.000336	127.89%
Ni 231.604†	52.5	0.00158	mg/L	0.000090	0.00158	mg/L	0.000090	5.70%
Pb 220.353†	11.1	0.00189	mg/L	0.000331	0.00189	mg/L	0.000331	17.49%
Sb 206.836†	-1.6	0.00013	mg/L	0.001734	0.00013	mg/L	0.001734	>999.9%
Se 196.026†	1.6	-0.00119	mg/L	0.001653	-0.00119	mg/L	0.001653	138.60%
Si 251.611†	9408.9	0.275	mg/L	0.0095	0.275	mg/L	0.0095	3.44%
Sn 189.927†	8.9	0.00068	mg/L	0.000816	0.00068	mg/L	0.000816	119.08%
Ti 334.940†	2980.3	0.00407	mg/L	0.000186	0.00407	mg/L	0.000186	4.56%
Tl 190.801†	3.2	0.00231	mg/L	0.000896	0.00231	mg/L	0.000896	38.88%
V 290.880†	-350.7	-0.00111	mg/L	0.000625	-0.00111	mg/L	0.000625	56.18%
Zn 206.200†	555.7	0.0165	mg/L	0.00015	0.0165	mg/L	0.00015	0.91%
K 766.490†	630.1	0.257	mg/L	0.0234	0.257	mg/L	0.0234	9.13%
Na 589.592†	1791.4	0.132	mg/L	0.0068	0.132	mg/L	0.0068	5.14%
Sr 407.771†	1096.1	0.00079	mg/L	0.000135	0.00079	mg/L	0.000135	17.10%
Li 670.784†	-112.9	-0.00046	mg/L	0.001937	-0.00046	mg/L	0.001937	420.34%

Sequence No.: 82 **Autosampler Location: 106**
Sample ID: L1102041219 **Date Collected: 2/19/2011 12:53:12 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041219

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041219

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5329418.4						96749.11	1.82%
YRADIAL	328698.7						3472.79	1.06%
Ga 417.206	1278151.0						23707.29	1.85%
GaRADIAL	62330.2						937.43	1.50%
Ag 328.068†	140.3	0.00112	mg/L	0.000150	0.00112	mg/L	0.000150	13.42%
Al 396.153†	372.2	0.0676	mg/L	0.01468	0.0676	mg/L	0.01468	21.71%
As 188.979†	2.4	0.00224	mg/L	0.004223	0.00224	mg/L	0.004223	188.42%
Ba 233.527†	44.9	0.00056	mg/L	0.000052	0.00056	mg/L	0.000052	9.16%
Be 234.861†	-116.1	-0.00021	mg/L	0.000005	-0.00021	mg/L	0.000005	2.49%
B 249.677†	839.9	0.0176	mg/L	0.00069	0.0176	mg/L	0.00069	3.91%
Ca 227.546†	28.8	0.218	mg/L	0.0645	0.218	mg/L	0.0645	29.57%
Cd 228.802†	4.0	0.00035	mg/L	0.000099	0.00035	mg/L	0.000099	28.26%
Co 228.616†	3.3	0.00030	mg/L	0.000180	0.00030	mg/L	0.000180	59.53%
Cr 267.716†	101.5	0.00042	mg/L	0.000095	0.00042	mg/L	0.000095	22.85%

Cu 327.393†	2458.1	0.0168 mg/L	0.00016	0.0168 mg/L	0.00016	0.96%
Fe 239.562†	16.7	0.0324 mg/L	0.00691	0.0324 mg/L	0.00691	21.31%
Mg 279.077†	16.3	0.0162 mg/L	0.00589	0.0162 mg/L	0.00589	36.44%
Mn 257.610†	296.6	0.00043 mg/L	0.000019	0.00043 mg/L	0.000019	4.40%
Mo 202.031†	3.5	0.00033 mg/L	0.000243	0.00033 mg/L	0.000243	73.79%
Ni 231.604†	14.8	0.00049 mg/L	0.000325	0.00049 mg/L	0.000325	66.72%
Pb 220.353†	-4.1	-0.00068 mg/L	0.001173	-0.00068 mg/L	0.001173	173.69%
Sb 206.836†	-1.9	-0.00009 mg/L	0.001450	-0.00009 mg/L	0.001450	>999.9%
Se 196.026†	0.5	-0.00213 mg/L	0.001738	-0.00213 mg/L	0.001738	81.50%
Si 251.611†	5220.1	0.152 mg/L	0.0016	0.152 mg/L	0.0016	1.08%
Sn 189.927†	3.8	-0.00020 mg/L	0.000181	-0.00020 mg/L	0.000181	90.86%
Ti 334.940†	1407.5	0.00190 mg/L	0.000209	0.00190 mg/L	0.000209	11.02%
Tl 190.801†	2.2	0.00174 mg/L	0.002097	0.00174 mg/L	0.002097	120.86%
V 290.880†	-414.5	-0.00154 mg/L	0.000677	-0.00154 mg/L	0.000677	43.92%
Zn 206.200†	236.7	0.00682 mg/L	0.000178	0.00682 mg/L	0.000178	2.61%
K 766.490†	239.6	0.109 mg/L	0.0326	0.109 mg/L	0.0326	29.97%
Na 589.592†	-302.3	-0.0187 mg/L	0.00614	-0.0187 mg/L	0.00614	32.85%
Sr 407.771†	702.6	0.00041 mg/L	0.000055	0.00041 mg/L	0.000055	13.59%
Li 670.784†	-218.0	-0.00177 mg/L	0.000681	-0.00177 mg/L	0.000681	38.47%

Sequence No.: 83 **Autosampler Location: 107**
Sample ID: L1102041220 **Date Collected: 2/19/2011 12:59:55 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041220

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041220

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5190665.0						4083.88	0.08%
YRADIAL	326303.1						5506.52	1.69%
Ga 417.206	1237578.3						15762.37	1.27%
GaRADIAL	61593.1						771.32	1.25%
Ag 328.068†	56.4	0.00071	mg/L	0.001417	0.00071	mg/L	0.001417	200.99%
Al 396.153†	252.5	0.0436	mg/L	0.00745	0.0436	mg/L	0.00745	17.09%
As 188.979†	0.8	0.00075	mg/L	0.000674	0.00075	mg/L	0.000674	90.40%
Ba 233.527†	54.1	0.00072	mg/L	0.000040	0.00072	mg/L	0.000040	5.52%
Be 234.861†	-130.4	-0.00023	mg/L	0.000021	-0.00023	mg/L	0.000021	9.03%
B 249.677†	801.1	0.0169	mg/L	0.00103	0.0169	mg/L	0.00103	6.09%
Ca 227.546†	32.2	0.251	mg/L	0.0394	0.251	mg/L	0.0394	15.72%
Cd 228.802†	5.0	0.00042	mg/L	0.000186	0.00042	mg/L	0.000186	44.66%
Co 228.616†	3.7	0.00032	mg/L	0.000241	0.00032	mg/L	0.000241	74.49%
Cr 267.716†	31.3	-0.00020	mg/L	0.000069	-0.00020	mg/L	0.000069	33.76%
Cu 327.393†	2838.0	0.0194	mg/L	0.00024	0.0194	mg/L	0.00024	1.23%
Fe 239.562†	14.6	0.0277	mg/L	0.00222	0.0277	mg/L	0.00222	8.00%
Mg 279.077†	7.4	0.00526	mg/L	0.005881	0.00526	mg/L	0.005881	111.71%
Mn 257.610†	445.5	0.00077	mg/L	0.000003	0.00077	mg/L	0.000003	0.45%
Mo 202.031†	4.3	0.00039	mg/L	0.000444	0.00039	mg/L	0.000444	114.15%
Ni 231.604†	25.1	0.00079	mg/L	0.000151	0.00079	mg/L	0.000151	19.22%
Pb 220.353†	1.7	0.00031	mg/L	0.000704	0.00031	mg/L	0.000704	226.40%
Sb 206.836†	-0.2	0.00102	mg/L	0.002639	0.00102	mg/L	0.002639	258.04%
Se 196.026†	-0.6	-0.00294	mg/L	0.002784	-0.00294	mg/L	0.002784	94.73%
Si 251.611†	4394.9	0.128	mg/L	0.0025	0.128	mg/L	0.0025	1.92%
Sn 189.927†	4.1	-0.00013	mg/L	0.000517	-0.00013	mg/L	0.000517	387.21%
Ti 334.940†	1058.1	0.00142	mg/L	0.000145	0.00142	mg/L	0.000145	10.21%
Tl 190.801†	5.0	0.00339	mg/L	0.000448	0.00339	mg/L	0.000448	13.24%
V 290.880†	-342.4	-0.00106	mg/L	0.001180	-0.00106	mg/L	0.001180	111.33%
Zn 206.200†	251.1	0.00726	mg/L	0.000145	0.00726	mg/L	0.000145	1.99%
K 766.490†	530.6	0.219	mg/L	0.0189	0.219	mg/L	0.0189	8.66%
Na 589.592†	2532.1	0.186	mg/L	0.0015	0.186	mg/L	0.0015	0.82%
Sr 407.771†	729.8	0.00044	mg/L	0.000052	0.00044	mg/L	0.000052	11.90%
Li 670.784†	-158.6	-0.00103	mg/L	0.001249	-0.00103	mg/L	0.001249	121.21%

Sequence No.: 84 **Autosampler Location: 108**
Sample ID: L1102041221 **Date Collected: 2/19/2011 1:06:34 AM**

Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041221

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041221

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5294225.0						81058.23	1.53%
YRADIAL	325759.1						2347.89	0.72%
Ga 417.206	1277034.6						27326.21	2.14%
GaRADIAL	61357.3						1185.59	1.93%
Ag 328.068†	26.7	0.00055	mg/L	0.000766	0.00055	mg/L	0.000766	140.14%
Al 396.153†	283.7	0.0499	mg/L	0.00873	0.0499	mg/L	0.00873	17.50%
As 188.979†	0.4	0.00041	mg/L	0.003371	0.00041	mg/L	0.003371	831.37%
Ba 233.527†	47.7	0.00061	mg/L	0.000087	0.00061	mg/L	0.000087	14.26%
Be 234.861†	-87.1	-0.00020	mg/L	0.000017	-0.00020	mg/L	0.000017	8.10%
B 249.677†	656.2	0.0152	mg/L	0.00180	0.0152	mg/L	0.00180	11.90%
Ca 227.546†	44.2	0.365	mg/L	0.0908	0.365	mg/L	0.0908	24.92%
Cd 228.802†	9.8	0.00068	mg/L	0.000149	0.00068	mg/L	0.000149	21.74%
Co 228.616†	5.0	0.00038	mg/L	0.000344	0.00038	mg/L	0.000344	89.90%
Cr 267.716†	271.0	0.00191	mg/L	0.000119	0.00191	mg/L	0.000119	6.22%
Cu 327.393†	3378.4	0.0232	mg/L	0.00103	0.0232	mg/L	0.00103	4.46%
Fe 239.562†	116.0	0.248	mg/L	0.0050	0.248	mg/L	0.0050	2.01%
Mg 279.077†	17.0	0.0169	mg/L	0.00635	0.0169	mg/L	0.00635	37.64%
Mn 257.610†	1224.9	0.00254	mg/L	0.000034	0.00254	mg/L	0.000034	1.36%
Mo 202.031†	9.8	0.00081	mg/L	0.000131	0.00081	mg/L	0.000131	16.20%
Ni 231.604†	13.7	0.00045	mg/L	0.000232	0.00045	mg/L	0.000232	51.21%
Pb 220.353†	1.6	0.00028	mg/L	0.000247	0.00028	mg/L	0.000247	87.48%
Sb 206.836†	-2.9	-0.00073	mg/L	0.001789	-0.00073	mg/L	0.001789	245.59%
Se 196.026†	1.0	-0.00169	mg/L	0.002763	-0.00169	mg/L	0.002763	163.47%
Si 251.611†	5173.3	0.151	mg/L	0.0058	0.151	mg/L	0.0058	3.88%
Sn 189.927†	6.3	0.00023	mg/L	0.000589	0.00023	mg/L	0.000589	251.73%
Ti 334.940†	1818.1	0.00247	mg/L	0.000103	0.00247	mg/L	0.000103	4.18%
Tl 190.801†	6.1	0.00407	mg/L	0.000740	0.00407	mg/L	0.000740	18.18%
V 290.880†	-298.8	-0.00075	mg/L	0.000666	-0.00075	mg/L	0.000666	88.65%
Zn 206.200†	214.9	0.00616	mg/L	0.000220	0.00616	mg/L	0.000220	3.57%
K 766.490†	919.9	0.366	mg/L	0.0189	0.366	mg/L	0.0189	5.17%
Na 589.592†	3833.4	0.280	mg/L	0.0085	0.280	mg/L	0.0085	3.06%
Sr 407.771†	821.0	0.00050	mg/L	0.000048	0.00050	mg/L	0.000048	9.61%
Li 670.784†	-155.6	-0.00099	mg/L	0.000078	-0.00099	mg/L	0.000078	7.83%

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Sequence No.: 85 **Autosampler Location: 109**
Sample ID: L1102041222 **Date Collected: 2/19/2011 1:13:14 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041222

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102041222

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5192521.6						43981.63	0.85%
YRADIAL	326180.4						8449.69	2.59%
Ga 417.206	1234269.2						13295.07	1.08%
GaRADIAL	60997.1						226.49	0.37%
Ag 328.068†	198.9	0.00141	mg/L	0.000869	0.00141	mg/L	0.000869	61.41%
Al 396.153†	115.9	0.0162	mg/L	0.00729	0.0162	mg/L	0.00729	44.87%
As 188.979†	-0.9	-0.00077	mg/L	0.002430	-0.00077	mg/L	0.002430	313.65%
Ba 233.527†	12.1	0.00001	mg/L	0.000006	0.00001	mg/L	0.000006	63.54%
Be 234.861†	-154.5	-0.00027	mg/L	0.000020	-0.00027	mg/L	0.000020	7.40%
B 249.677†	775.4	0.0164	mg/L	0.00037	0.0164	mg/L	0.00037	2.23%

Ca 227.546†	8.3	0.0257 mg/L	0.03190	0.0257 mg/L	0.03190	124.15%
Cd 228.802†	4.0	0.00038 mg/L	0.000153	0.00038 mg/L	0.000153	40.55%
Co 228.616†	10.5	0.00067 mg/L	0.000157	0.00067 mg/L	0.000157	23.39%
Cr 267.716†	83.6	0.00026 mg/L	0.000066	0.00026 mg/L	0.000066	25.47%
Cu 327.393†	830.6	0.00546 mg/L	0.000834	0.00546 mg/L	0.000834	15.26%
Fe 239.562†	7.3	0.0119 mg/L	0.00485	0.0119 mg/L	0.00485	40.60%
Mg 279.077†	-1.3	-0.00528 mg/L	0.003347	-0.00528 mg/L	0.003347	63.37%
Mn 257.610†	128.4	0.00003 mg/L	0.000015	0.00003 mg/L	0.000015	43.30%
Mo 202.031†	-1.6	-0.00006 mg/L	0.000478	-0.00006 mg/L	0.000478	859.15%
Ni 231.604†	7.9	0.00028 mg/L	0.000036	0.00028 mg/L	0.000036	12.55%
Pb 220.353†	-0.6	-0.00008 mg/L	0.000833	-0.00008 mg/L	0.000833	994.22%
Sb 206.836†	-4.4	-0.00163 mg/L	0.000186	-0.00163 mg/L	0.000186	11.37%
Se 196.026†	-0.5	-0.00289 mg/L	0.002419	-0.00289 mg/L	0.002419	83.74%
Si 251.611†	1631.0	0.0472 mg/L	0.00086	0.0472 mg/L	0.00086	1.82%
Sn 189.927†	2.7	-0.00038 mg/L	0.000375	-0.00038 mg/L	0.000375	98.99%
Ti 334.940†	472.6	0.00061 mg/L	0.000191	0.00061 mg/L	0.000191	31.20%
Tl 190.801†	2.9	0.00215 mg/L	0.001783	0.00215 mg/L	0.001783	83.03%
V 290.880†	-352.6	-0.00113 mg/L	0.000265	-0.00113 mg/L	0.000265	23.49%
Zn 206.200†	106.0	0.00286 mg/L	0.000114	0.00286 mg/L	0.000114	4.00%
K 766.490†	442.7	0.186 mg/L	0.0051	0.186 mg/L	0.0051	2.77%
Na 589.592†	670.6	0.0515 mg/L	0.00104	0.0515 mg/L	0.00104	2.02%
Sr 407.771†	217.3	-0.00006 mg/L	0.000036	-0.00006 mg/L	0.000036	54.85%
Li 670.784†	-88.9	-0.00016 mg/L	0.001929	-0.00016 mg/L	0.001929	>999.9%

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Sequence No.: 86 **Autosampler Location: 110**
Sample ID: L1102043101 **Date Collected: 2/19/2011 1:19:56 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043101

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102043101

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	5299586.0						50914.69	0.96%
YRADIAL	340328.0						5128.03	1.51%
Ga 417.206	1256148.5						14171.73	1.13%
GaRADIAL	63697.7						1227.92	1.93%
Ag 328.068†	50.8	0.00068	mg/L	0.000342	0.00068	mg/L	0.000342	50.39%
Al 396.153†	34.2	-0.00013	mg/L	0.006564	-0.00013	mg/L	0.006564	>999.9%
As 188.979†	-0.1	-0.00004	mg/L	0.000876	-0.00004	mg/L	0.000876	>999.9%
Ba 233.527†	3.9	-0.00013	mg/L	0.000046	-0.00013	mg/L	0.000046	34.83%
Be 234.861†	-131.0	-0.00023	mg/L	0.000010	-0.00023	mg/L	0.000010	4.44%
B 249.677†	536.2	0.0118	mg/L	0.00023	0.0118	mg/L	0.00023	1.97%
Ca 227.546†	-2.2	-0.0737	mg/L	0.05335	-0.0737	mg/L	0.05335	72.39%
Cd 228.802†	3.0	0.00032	mg/L	0.000047	0.00032	mg/L	0.000047	14.83%
Co 228.616†	6.8	0.00049	mg/L	0.000019	0.00049	mg/L	0.000019	3.79%
Cr 267.716†	8.1	-0.00041	mg/L	0.000084	-0.00041	mg/L	0.000084	20.65%
Cu 327.393†	64.2	0.00015	mg/L	0.000762	0.00015	mg/L	0.000762	522.28%
Fe 239.562†	2.4	0.00126	mg/L	0.002902	0.00126	mg/L	0.002902	230.37%
Mg 279.077†	-4.7	-0.00946	mg/L	0.003810	-0.00946	mg/L	0.003810	40.26%
Mn 257.610†	2.2	-0.00026	mg/L	0.000032	-0.00026	mg/L	0.000032	12.13%
Mo 202.031†	1.4	0.00017	mg/L	0.000199	0.00017	mg/L	0.000199	115.67%
Ni 231.604†	-3.6	-0.00005	mg/L	0.000257	-0.00005	mg/L	0.000257	539.19%
Pb 220.353†	-6.7	-0.00111	mg/L	0.000267	-0.00111	mg/L	0.000267	23.96%
Sb 206.836†	0.8	0.00168	mg/L	0.000420	0.00168	mg/L	0.000420	24.94%
Se 196.026†	1.1	-0.00180	mg/L	0.003071	-0.00180	mg/L	0.003071	170.31%
Si 251.611†	365.1	0.0102	mg/L	0.00048	0.0102	mg/L	0.00048	4.70%
Sn 189.927†	-0.7	-0.00098	mg/L	0.000061	-0.00098	mg/L	0.000061	6.20%
Ti 334.940†	183.4	0.00021	mg/L	0.000114	0.00021	mg/L	0.000114	53.09%
Tl 190.801†	-0.8	0.00000	mg/L	0.001469	0.00000	mg/L	0.001469	>999.9%
V 290.880†	-454.3	-0.00181	mg/L	0.000331	-0.00181	mg/L	0.000331	18.27%
Zn 206.200†	67.3	0.00169	mg/L	0.000190	0.00169	mg/L	0.000190	11.27%
K 766.490†	-36.5	0.00448	mg/L	0.022807	0.00448	mg/L	0.022807	509.60%
Na 589.592†	-850.7	-0.0583	mg/L	0.00543	-0.0583	mg/L	0.00543	9.32%
Sr 407.771†	65.6	-0.00021	mg/L	0.000063	-0.00021	mg/L	0.000063	29.75%
Li 670.784†	-174.1	-0.00122	mg/L	0.000688	-0.00122	mg/L	0.000688	56.28%

Sequence No.: 87 **Autosampler Location: 111**
Sample ID: L1102043401 **Date Collected: 2/19/2011 1:26:39 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043401

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102043401

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5150040.5						27195.74	0.53%
YRADIAL	329269.6						4428.01	1.34%
Ga 417.206	1264122.9						9754.94	0.77%
GaRADIAL	62954.6						900.08	1.43%
Ag 328.068†	6.9	0.00044	mg/L	0.000773	0.00044	mg/L	0.000773	174.51%
Al 396.153†	23.7	-0.00222	mg/L	0.022312	-0.00222	mg/L	0.022312	>999.9%
As 188.979†	0.9	0.00059	mg/L	0.001900	0.00059	mg/L	0.001900	324.79%
Ba 233.527†	3268.8	0.0551	mg/L	0.00039	0.0551	mg/L	0.00039	0.70%
Be 234.861†	-108.0	-0.00019	mg/L	0.000023	-0.00019	mg/L	0.000023	11.92%
B 249.677†	1503.4	0.0301	mg/L	0.00017	0.0301	mg/L	0.00017	0.57%
Ca 227.546†	1317.4	12.3	mg/L	0.09	12.3	mg/L	0.09	0.69%
Cd 228.802†	5.3	0.00043	mg/L	0.000105	0.00043	mg/L	0.000105	24.36%
Co 228.616†	2.7	0.00026	mg/L	0.000151	0.00026	mg/L	0.000151	58.38%
Cr 267.716†	212.4	0.00140	mg/L	0.000017	0.00140	mg/L	0.000017	1.21%
Cu 327.393†	-40.6	-0.00058	mg/L	0.000787	-0.00058	mg/L	0.000787	135.24%
Fe 239.562†	0.4	-0.00312	mg/L	0.002856	-0.00312	mg/L	0.002856	91.53%
Mg 279.077†	3899.8	4.74	mg/L	0.050	4.74	mg/L	0.050	1.06%
Mn 257.610†	1012.2	0.00486	mg/L	0.000056	0.00486	mg/L	0.000056	1.15%
Mo 202.031†	-0.5	0.00002	mg/L	0.000258	0.00002	mg/L	0.000258	>999.9%
Ni 231.604†	16.4	0.00052	mg/L	0.000140	0.00052	mg/L	0.000140	26.73%
Pb 220.353†	-10.9	-0.00123	mg/L	0.001670	-0.00123	mg/L	0.001670	135.49%
Sb 206.836†	-0.0	0.00113	mg/L	0.001307	0.00113	mg/L	0.001307	115.23%
Se 196.026†	-6.4	-0.00401	mg/L	0.001866	-0.00401	mg/L	0.001866	46.49%
Si 251.611†	504769.9	14.8	mg/L	0.06	14.8	mg/L	0.06	0.41%
Sn 189.927†	5.0	0.00002	mg/L	0.000961	0.00002	mg/L	0.000961	>999.9%
Ti 334.940†	-5.7	0.00008	mg/L	0.000094	0.00008	mg/L	0.000094	120.94%
Tl 190.801†	31.3	0.0178	mg/L	0.00417	0.0178	mg/L	0.00417	23.35%
V 290.880†	-517.4	-0.00223	mg/L	0.000749	-0.00223	mg/L	0.000749	33.53%
Zn 206.200†	104.6	0.00282	mg/L	0.000114	0.00282	mg/L	0.000114	4.05%
K 766.490†	5183.7	1.97	mg/L	0.008	1.97	mg/L	0.008	0.43%
Na 589.592†	119524.5	8.66	mg/L	0.086	8.66	mg/L	0.086	0.99%
Sr 407.771†	85874.2	0.0839	mg/L	0.00767	0.0839	mg/L	0.00767	9.15%
Li 670.784†	231.6	0.00383	mg/L	0.000298	0.00383	mg/L	0.000298	7.79%

Sequence No.: 88 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 2/19/2011 1:33:37 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4966332.0						74822.63	1.51%
YRADIAL	314959.8						5544.30	1.76%
Ga 417.206	1154228.3						22193.65	1.92%
GaRADIAL	58865.2						1023.57	1.74%
Ag 328.068†	91964.2	0.458	mg/L	0.0167	0.458	mg/L	0.0167	3.64%
Al 396.153†	57657.3	11.5	mg/L	0.09	11.5	mg/L	0.09	0.81%

As 188.979†	511.9	0.465	mg/L	0.0091	0.465	mg/L	0.0091 1.96%
Ba 233.527†	55448.3	0.941	mg/L	0.0336	0.941	mg/L	0.0336 3.57%
Be 234.861†	34513.2	0.0594	mg/L	0.00223	0.0594	mg/L	0.00223 3.74%
B 249.677†	30406.1	0.579	mg/L	0.0235	0.579	mg/L	0.0235 4.06%
Ca 227.546†	1194.8	11.5	mg/L	0.20	11.5	mg/L	0.20 1.75%
Cd 228.802†	1017.0	0.0555	mg/L	0.00142	0.0555	mg/L	0.00142 2.56%
Co 228.616†	3640.9	0.184	mg/L	0.0028	0.184	mg/L	0.0028 1.51%
Cr 267.716†	52789.2	0.466	mg/L	0.0168	0.466	mg/L	0.0168 3.61%
Cu 327.393†	83158.5	0.578	mg/L	0.0247	0.578	mg/L	0.0247 4.27%
Fe 239.562†	1649.8	3.57	mg/L	0.027	3.57	mg/L	0.027 0.76%
Mg 279.077†	7399.5	9.01	mg/L	0.099	9.01	mg/L	0.099 1.10%
Mn 257.610†	208822.8	0.476	mg/L	0.0176	0.476	mg/L	0.0176 3.71%
Mo 202.031†	12517.2	0.936	mg/L	0.0344	0.936	mg/L	0.0344 3.67%
Ni 231.604†	16072.2	0.468	mg/L	0.0170	0.468	mg/L	0.0170 3.63%
Pb 220.353†	2806.0	0.479	mg/L	0.0073	0.479	mg/L	0.0073 1.52%
Sb 206.836†	2227.9	1.43	mg/L	0.027	1.43	mg/L	0.027 1.92%
Se 196.026†	638.2	0.457	mg/L	0.0144	0.457	mg/L	0.0144 3.15%
Si 251.611†	197544.3	5.76	mg/L	0.230	5.76	mg/L	0.230 3.99%
Sn 189.927†	5463.4	0.942	mg/L	0.0141	0.942	mg/L	0.0141 1.50%
Ti 334.940†	686279.5	0.944	mg/L	0.0030	0.944	mg/L	0.0030 0.32%
Tl 190.801†	806.3	0.488	mg/L	0.0081	0.488	mg/L	0.0081 1.67%
V 290.880†	137788.5	0.923	mg/L	0.0361	0.923	mg/L	0.0361 3.91%
Zn 206.200†	31263.4	0.949	mg/L	0.0297	0.949	mg/L	0.0297 3.13%
K 766.490†	145318.6	55.9	mg/L	0.68	55.9	mg/L	0.68 1.21%
Na 589.592†	768380.3	57.1	mg/L	1.31	57.1	mg/L	1.31 2.29%
Sr 407.771†	828016.8	0.811	mg/L	0.0600	0.811	mg/L	0.0600 7.41%
Li 670.784†	90028.4	1.12	mg/L	0.019	1.12	mg/L	0.019 1.68%

Sequence No.: 89 **Autosampler Location: 5**
Sample ID: CCB **Date Collected: 2/19/2011 1:40:19 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5132384.5						6121.26	0.12%
YRADIAL	320427.6						3452.87	1.08%
Ga 417.206	1196963.6						6281.82	0.52%
GaRADIAL	59786.4						718.33	1.20%
Ag 328.068†	-140.7	-0.00027	mg/L	0.000330	-0.00027	mg/L	0.000330	122.41%
Al 396.153†	-17.6	-0.0105	mg/L	0.00541	-0.0105	mg/L	0.00541	51.52%
As 188.979†	-1.6	-0.00142	mg/L	0.001248	-0.00142	mg/L	0.001248	87.74%
Ba 233.527†	5.7	-0.00010	mg/L	0.000105	-0.00010	mg/L	0.000105	107.16%
Be 234.861†	-155.3	-0.00027	mg/L	0.000006	-0.00027	mg/L	0.000006	2.21%
B 249.677†	413.9	0.00950	mg/L	0.000167	0.00950	mg/L	0.000167	1.76%
Ca 227.546†	-3.5	-0.0858	mg/L	0.02840	-0.0858	mg/L	0.02840	33.09%
Cd 228.802†	7.8	0.00059	mg/L	0.000186	0.00059	mg/L	0.000186	31.70%
Co 228.616†	3.7	0.00033	mg/L	0.000218	0.00033	mg/L	0.000218	66.84%
Cr 267.716†	-12.6	-0.00059	mg/L	0.000134	-0.00059	mg/L	0.000134	22.65%
Cu 327.393†	-95.5	-0.00096	mg/L	0.000354	-0.00096	mg/L	0.000354	36.73%
Fe 239.562†	1.2	-0.00130	mg/L	0.002516	-0.00130	mg/L	0.002516	193.85%
Mg 279.077†	-2.0	-0.00613	mg/L	0.001781	-0.00613	mg/L	0.001781	29.06%
Mn 257.610†	7.2	-0.00025	mg/L	0.000005	-0.00025	mg/L	0.000005	1.99%
Mo 202.031†	5.8	0.00050	mg/L	0.000352	0.00050	mg/L	0.000352	71.03%
Ni 231.604†	-13.0	-0.00032	mg/L	0.000091	-0.00032	mg/L	0.000091	28.24%
Pb 220.353†	-3.2	-0.00053	mg/L	0.000854	-0.00053	mg/L	0.000854	161.19%
Sb 206.836†	-1.2	0.00037	mg/L	0.001791	0.00037	mg/L	0.001791	481.66%
Se 196.026†	3.1	-0.00032	mg/L	0.004844	-0.00032	mg/L	0.004844	>999.9%
Si 251.611†	103.2	0.00252	mg/L	0.000134	0.00252	mg/L	0.000134	5.32%
Sn 189.927†	5.1	0.00004	mg/L	0.000818	0.00004	mg/L	0.000818	>999.9%
Ti 334.940†	171.2	0.00020	mg/L	0.000069	0.00020	mg/L	0.000069	34.78%
Tl 190.801†	3.3	0.00241	mg/L	0.001102	0.00241	mg/L	0.001102	45.78%
V 290.880†	-296.0	-0.00075	mg/L	0.000246	-0.00075	mg/L	0.000246	32.79%
Zn 206.200†	26.0	0.00043	mg/L	0.000031	0.00043	mg/L	0.000031	7.24%

K 766.490†	166.5	0.0813	mg/L	0.00921	0.0813	mg/L	0.00921 11.33%
Na 589.592†	-601.1	-0.0403	mg/L	0.01036	-0.0403	mg/L	0.01036 25.74%
Sr 407.771†	79.7	-0.00020	mg/L	0.000045	-0.00020	mg/L	0.000045 22.93%
Li 670.784†	-59.5	0.00020	mg/L	0.001075	0.00020	mg/L	0.001075 525.58%

Sequence No.: 90 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/19/2011 1:47:01 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5160231.7						88190.09	1.71%
YRADIAL	318678.9						7837.95	2.46%
Ga 417.206	1212214.3						44139.82	3.64%
GaRADIAL	59348.7						501.11	0.84%
Ag 328.068†	1766.3	0.00922	mg/L	0.000420	0.00922	mg/L	0.000420	4.55%
Al 396.153†	1201.3	0.234	mg/L	0.0083	0.234	mg/L	0.0083	3.56%
As 188.979†	11.1	0.0101	mg/L	0.00110	0.0101	mg/L	0.00110	10.85%
Ba 233.527†	1168.7	0.0196	mg/L	0.00029	0.0196	mg/L	0.00029	1.47%
Be 234.861†	547.8	0.00094	mg/L	0.000025	0.00094	mg/L	0.000025	2.70%
B 249.677†	916.7	0.0191	mg/L	0.00149	0.0191	mg/L	0.00149	7.82%
Ca 227.546†	18.6	0.129	mg/L	0.0299	0.129	mg/L	0.0299	23.24%
Cd 228.802†	23.1	0.00140	mg/L	0.000317	0.00140	mg/L	0.000317	22.65%
Co 228.616†	78.9	0.00413	mg/L	0.000252	0.00413	mg/L	0.000252	6.11%
Cr 267.716†	1151.4	0.00970	mg/L	0.000155	0.00970	mg/L	0.000155	1.60%
Cu 327.393†	1689.1	0.0115	mg/L	0.00027	0.0115	mg/L	0.00027	2.34%
Fe 239.562†	34.6	0.0711	mg/L	0.00108	0.0711	mg/L	0.00108	1.52%
Mg 279.077†	149.9	0.179	mg/L	0.0064	0.179	mg/L	0.0064	3.59%
Mn 257.610†	4444.4	0.00986	mg/L	0.000150	0.00986	mg/L	0.000150	1.52%
Mo 202.031†	263.2	0.0198	mg/L	0.00066	0.0198	mg/L	0.00066	3.33%
Ni 231.604†	327.4	0.00958	mg/L	0.000134	0.00958	mg/L	0.000134	1.40%
Pb 220.353†	55.3	0.00944	mg/L	0.001333	0.00944	mg/L	0.001333	14.12%
Sb 206.836†	47.1	0.0314	mg/L	0.00220	0.0314	mg/L	0.00220	7.01%
Se 196.026†	16.3	0.00917	mg/L	0.002995	0.00917	mg/L	0.002995	32.65%
Si 251.611†	4097.7	0.119	mg/L	0.0043	0.119	mg/L	0.0043	3.64%
Sn 189.927†	119.4	0.0198	mg/L	0.00017	0.0198	mg/L	0.00017	0.85%
Ti 334.940†	14508.4	0.0199	mg/L	0.00026	0.0199	mg/L	0.00026	1.31%
Tl 190.801†	17.7	0.0112	mg/L	0.00200	0.0112	mg/L	0.00200	17.93%
V 290.880†	2411.7	0.0174	mg/L	0.00066	0.0174	mg/L	0.00066	3.79%
Zn 206.200†	700.5	0.0209	mg/L	0.00027	0.0209	mg/L	0.00027	1.29%
K 766.490†	3070.9	1.18	mg/L	0.016	1.18	mg/L	0.016	1.40%
Na 589.592†	15561.5	1.13	mg/L	0.016	1.13	mg/L	0.016	1.44%
Sr 407.771†	17205.6	0.0166	mg/L	0.00135	0.0166	mg/L	0.00135	8.16%
Li 670.784†	1923.9	0.0249	mg/L	0.00158	0.0249	mg/L	0.00158	6.34%

Sequence No.: 91 **Autosampler Location: 112**
Sample ID: PBW A8 WG356433-02 **Date Collected: 2/19/2011 1:53:38 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW A8 WG356433-02

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: PBW A8 WG356433-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5283354.2						11110.00	0.21%
YRADIAL	326125.1						7101.89	2.18%

Ga 417.206	1256658.1					5274.46	0.42%
GaRADIAL	60665.4					1150.05	1.90%
Ag 328.068†	29.7	0.00057	mg/L	0.001093	0.00057 mg/L	0.001093	190.35%
Al 396.153†	125.5	0.0182	mg/L	0.00800	0.0182 mg/L	0.00800	44.02%
As 188.979†	1.5	0.00139	mg/L	0.001641	0.00139 mg/L	0.001641	117.74%
Ba 233.527†	8.1	-0.00006	mg/L	0.000023	-0.00006 mg/L	0.000023	37.37%
Be 234.861†	-127.2	-0.00022	mg/L	0.000018	-0.00022 mg/L	0.000018	7.91%
B 249.677†	186.4	0.00517	mg/L	0.000373	0.00517 mg/L	0.000373	7.21%
Ca 227.546†	1.7	-0.0371	mg/L	0.09397	-0.0371 mg/L	0.09397	253.61%
Cd 228.802†	3.8	0.00035	mg/L	0.000076	0.00035 mg/L	0.000076	21.67%
Co 228.616†	8.0	0.00055	mg/L	0.000026	0.00055 mg/L	0.000026	4.77%
Cr 267.716†	-10.9	-0.00058	mg/L	0.000131	-0.00058 mg/L	0.000131	22.77%
Cu 327.393†	-18.3	-0.00043	mg/L	0.000861	-0.00043 mg/L	0.000861	201.78%
Fe 239.562†	1.3	-0.00104	mg/L	0.003326	-0.00104 mg/L	0.003326	318.62%
Mg 279.077†	-8.5	-0.0140	mg/L	0.00187	-0.0140 mg/L	0.00187	13.37%
Mn 257.610†	-4.4	-0.00028	mg/L	0.000012	-0.00028 mg/L	0.000012	4.26%
Mo 202.031†	1.3	0.00016	mg/L	0.000320	0.00016 mg/L	0.000320	200.37%
Ni 231.604†	-7.9	-0.00018	mg/L	0.000168	-0.00018 mg/L	0.000168	96.08%
Pb 220.353†	-7.3	-0.00121	mg/L	0.000792	-0.00121 mg/L	0.000792	65.64%
Sb 206.836†	-0.8	0.00067	mg/L	0.001641	0.00067 mg/L	0.001641	243.69%
Se 196.026†	3.2	-0.00026	mg/L	0.001370	-0.00026 mg/L	0.001370	518.71%
Si 251.611†	91.6	0.00219	mg/L	0.000278	0.00219 mg/L	0.000278	12.71%
Sn 189.927†	3.3	-0.00028	mg/L	0.000195	-0.00028 mg/L	0.000195	68.68%
Ti 334.940†	234.3	0.00028	mg/L	0.000101	0.00028 mg/L	0.000101	35.65%
Tl 190.801†	4.6	0.00317	mg/L	0.002433	0.00317 mg/L	0.002433	76.81%
V 290.880†	-449.5	-0.00178	mg/L	0.000051	-0.00178 mg/L	0.000051	2.85%
Zn 206.200†	70.5	0.00178	mg/L	0.000054	0.00178 mg/L	0.000054	3.03%
K 766.490†	4.0	0.0198	mg/L	0.02143	0.0198 mg/L	0.02143	108.30%
Na 589.592†	-705.2	-0.0478	mg/L	0.01093	-0.0478 mg/L	0.01093	22.87%
Sr 407.771†	497.7	0.00021	mg/L	0.000028	0.00021 mg/L	0.000028	13.19%
Li 670.784†	-144.2	-0.00085	mg/L	0.001393	-0.00085 mg/L	0.001393	163.84%

Sequence No.: 92 **Autosampler Location: 113**
Sample ID: LCSW A8 WG356433-03 **Date Collected: 2/19/2011 2:00:23 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW A8 WG356433-03

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: LCSW A8 WG356433-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5027988.2						1298.37	0.03%
YRADIAL	315337.4						3196.16	1.01%
Ga 417.206	1202588.6						15879.42	1.32%
GaRADIAL	58672.6						268.58	0.46%
Ag 328.068†	46570.1	0.232	mg/L	0.0028	0.232	mg/L	0.0028	1.19%
Al 396.153†	29463.9	5.89	mg/L	0.005	5.89	mg/L	0.005	0.09%
As 188.979†	247.8	0.225	mg/L	0.0039	0.225	mg/L	0.0039	1.73%
Ba 233.527†	28834.3	0.489	mg/L	0.0045	0.489	mg/L	0.0045	0.92%
Be 234.861†	17234.1	0.0297	mg/L	0.00040	0.0297	mg/L	0.00040	1.34%
B 249.677†	61125.0	1.16	mg/L	0.015	1.16	mg/L	0.015	1.28%
Ca 227.546†	592.1	5.68	mg/L	0.117	5.68	mg/L	0.117	2.06%
Cd 228.802†	501.8	0.0275	mg/L	0.00040	0.0275	mg/L	0.00040	1.47%
Co 228.616†	1861.1	0.0944	mg/L	0.00033	0.0944	mg/L	0.00033	0.35%
Cr 267.716†	27279.5	0.241	mg/L	0.0026	0.241	mg/L	0.0026	1.07%
Cu 327.393†	42062.3	0.292	mg/L	0.0043	0.292	mg/L	0.0043	1.46%
Fe 239.562†	839.4	1.82	mg/L	0.014	1.82	mg/L	0.014	0.78%
Mg 279.077†	3834.7	4.67	mg/L	0.044	4.67	mg/L	0.044	0.95%
Mn 257.610†	108861.9	0.248	mg/L	0.0025	0.248	mg/L	0.0025	1.01%
Mo 202.031†	6531.9	0.489	mg/L	0.0037	0.489	mg/L	0.0037	0.76%
Ni 231.604†	8335.1	0.243	mg/L	0.0014	0.243	mg/L	0.0014	0.59%
Pb 220.353†	1428.7	0.244	mg/L	0.0020	0.244	mg/L	0.0020	0.84%
Sb 206.836†	1098.0	0.706	mg/L	0.0120	0.706	mg/L	0.0120	1.70%
Se 196.026†	314.3	0.224	mg/L	0.0043	0.224	mg/L	0.0043	1.90%
Si 251.611†	102663.9	3.00	mg/L	0.035	3.00	mg/L	0.035	1.16%
Sn 189.927†	2977.1	0.513	mg/L	0.0015	0.513	mg/L	0.0015	0.28%

Ti 334.940†	350560.8	0.482	mg/L	0.0015	0.482	mg/L	0.0015	0.31%
Tl 190.801†	416.7	0.252	mg/L	0.0042	0.252	mg/L	0.0042	1.65%
V 290.880†	71106.2	0.477	mg/L	0.0048	0.477	mg/L	0.0048	1.01%
Zn 206.200†	16049.8	0.487	mg/L	0.0051	0.487	mg/L	0.0051	1.05%
K 766.490†	73147.4	27.9	mg/L	0.28	27.9	mg/L	0.28	1.01%
Na 589.592†	389956.5	28.5	mg/L	0.18	28.5	mg/L	0.18	0.65%
Sr 407.771†	423111.4	0.414	mg/L	0.0276	0.414	mg/L	0.0276	6.65%
Li 670.784†	45579.5	0.569	mg/L	0.0026	0.569	mg/L	0.0026	0.46%

Sequence No.: 93 **Autosampler Location: 114**
Sample ID: L1102026601 **Date Collected: 2/19/2011 2:07:05 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026601

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5164709.6						50639.02	0.98%
YRADIAL	323227.7						2478.02	0.77%
Ga 417.206	1239183.7						11800.95	0.95%
GaRADIAL	61003.0						934.03	1.53%
Ag 328.068†	94.3	0.00049	mg/L	0.000444	0.00049	mg/L	0.000444	90.17%
Al 396.153†	779.1	0.150	mg/L	0.0012	0.150	mg/L	0.0012	0.77%
As 188.979†	16.1	0.0152	mg/L	0.00247	0.0152	mg/L	0.00247	16.25%
Ba 233.527†	4339.5	0.0733	mg/L	0.00089	0.0733	mg/L	0.00089	1.21%
Be 234.861†	814.4	0.00009	mg/L	0.000059	0.00009	mg/L	0.000059	64.76%
B 249.677†	695.4	0.0452	mg/L	0.00079	0.0452	mg/L	0.00079	1.74%
Ca 227.546†	2182.1	20.5	mg/L	0.29	20.5	mg/L	0.29	1.43%
Cd 228.802†	5.7	0.00043	mg/L	0.000117	0.00043	mg/L	0.000117	26.82%
Co 228.616†	149.6	0.00761	mg/L	0.000147	0.00761	mg/L	0.000147	1.94%
Cr 267.716†	120.3	0.00046	mg/L	0.000056	0.00046	mg/L	0.000056	12.30%
Cu 327.393†	5.6	0.00050	mg/L	0.000996	0.00050	mg/L	0.000996	200.26%
Fe 239.562†	3033.7	6.57	mg/L	0.065	6.57	mg/L	0.065	0.99%
Mg 279.077†	3134.3	3.81	mg/L	0.034	3.81	mg/L	0.034	0.88%
Mn 257.610†	134032.8	0.304	mg/L	0.0013	0.304	mg/L	0.0013	0.41%
Mo 202.031†	8.2	0.00107	mg/L	0.000161	0.00107	mg/L	0.000161	15.08%
Ni 231.604†	69.7	0.00208	mg/L	0.000052	0.00208	mg/L	0.000052	2.51%
Pb 220.353†	-9.0	-0.00082	mg/L	0.001194	-0.00082	mg/L	0.001194	145.45%
Sb 206.836†	5.1	0.00445	mg/L	0.002945	0.00445	mg/L	0.002945	66.10%
Se 196.026†	-21.5	-0.0105	mg/L	0.00629	-0.0105	mg/L	0.00629	59.76%
Si 251.611†	305695.7	8.94	mg/L	0.057	8.94	mg/L	0.057	0.64%
Sn 189.927†	4.7	-0.00004	mg/L	0.000134	-0.00004	mg/L	0.000134	375.95%
Ti 334.940†	1970.4	0.00288	mg/L	0.000865	0.00288	mg/L	0.000865	30.08%
Tl 190.801†	39.4	0.0224	mg/L	0.00183	0.0224	mg/L	0.00183	8.16%
V 290.880†	-386.7	-0.00086	mg/L	0.000653	-0.00086	mg/L	0.000653	75.96%
Zn 206.200†	591.8	0.0174	mg/L	0.00031	0.0174	mg/L	0.00031	1.77%
K 766.490†	6607.3	2.50	mg/L	0.052	2.50	mg/L	0.052	2.10%
Na 589.592†	220449.2	16.0	mg/L	0.11	16.0	mg/L	0.11	0.68%
Sr 407.771†	184883.1	0.180	mg/L	0.0158	0.180	mg/L	0.0158	8.77%
Li 670.784†	87.3	0.00203	mg/L	0.001374	0.00203	mg/L	0.001374	67.55%

Sequence No.: 94 **Autosampler Location: 115**
Sample ID: L1102026602 **Date Collected: 2/19/2011 2:13:45 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026602

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026602

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5216392.1						92799.69	1.78%
YRADIAL	331803.8						8201.86	2.47%
Ga 417.206	1247850.5						25310.10	2.03%
GaRADIAL	62064.8						1281.71	2.07%
Ag 328.068†	7.1	0.00009	mg/L	0.000500	0.00009	mg/L	0.000500	548.32%
Al 396.153†	695.4	0.133	mg/L	0.0019	0.133	mg/L	0.0019	1.45%
As 188.979†	17.8	0.0168	mg/L	0.00144	0.0168	mg/L	0.00144	8.58%
Ba 233.527†	4022.1	0.0679	mg/L	0.00128	0.0679	mg/L	0.00128	1.89%
Be 234.861†	815.3	0.00020	mg/L	0.000091	0.00020	mg/L	0.000091	45.70%
B 249.677†	579.4	0.0405	mg/L	0.00130	0.0405	mg/L	0.00130	3.21%
Ca 227.546†	2049.5	19.3	mg/L	0.35	19.3	mg/L	0.35	1.81%
Cd 228.802†	4.1	0.00033	mg/L	0.000174	0.00033	mg/L	0.000174	52.96%
Co 228.616†	137.7	0.00701	mg/L	0.000161	0.00701	mg/L	0.000161	2.30%
Cr 267.716†	102.4	0.00030	mg/L	0.000085	0.00030	mg/L	0.000085	27.97%
Cu 327.393†	-153.6	-0.00067	mg/L	0.000639	-0.00067	mg/L	0.000639	95.19%
Fe 239.562†	2782.0	6.03	mg/L	0.113	6.03	mg/L	0.113	1.88%
Mg 279.077†	2950.8	3.59	mg/L	0.066	3.59	mg/L	0.066	1.83%
Mn 257.610†	126716.9	0.288	mg/L	0.0064	0.288	mg/L	0.0064	2.24%
Mo 202.031†	8.4	0.00105	mg/L	0.000108	0.00105	mg/L	0.000108	10.31%
Ni 231.604†	63.0	0.00188	mg/L	0.000146	0.00188	mg/L	0.000146	7.79%
Pb 220.353†	-7.8	-0.00066	mg/L	0.001101	-0.00066	mg/L	0.001101	167.69%
Sb 206.836†	4.6	0.00410	mg/L	0.002872	0.00410	mg/L	0.002872	70.11%
Se 196.026†	-14.1	-0.00573	mg/L	0.003040	-0.00573	mg/L	0.003040	53.08%
Si 251.611†	303112.6	8.87	mg/L	0.093	8.87	mg/L	0.093	1.05%
Sn 189.927†	1.2	-0.00065	mg/L	0.000895	-0.00065	mg/L	0.000895	138.55%
Ti 334.940†	1610.7	0.00237	mg/L	0.001716	0.00237	mg/L	0.001716	72.41%
Tl 190.801†	40.6	0.0231	mg/L	0.00163	0.0231	mg/L	0.00163	7.06%
V 290.880†	-398.0	-0.00098	mg/L	0.001029	-0.00098	mg/L	0.001029	105.37%
Zn 206.200†	387.6	0.0113	mg/L	0.00020	0.0113	mg/L	0.00020	1.80%
K 766.490†	6042.1	2.29	mg/L	0.034	2.29	mg/L	0.034	1.48%
Na 589.592†	206453.7	15.0	mg/L	0.19	15.0	mg/L	0.19	1.24%
Sr 407.771†	172713.2	0.168	mg/L	0.0164	0.168	mg/L	0.0164	9.73%
Li 670.784†	100.7	0.00220	mg/L	0.002450	0.00220	mg/L	0.002450	111.39%

Sequence No.: 95 **Autosampler Location: 116**
Sample ID: L1102026603 **Date Collected: 2/19/2011 2:20:31 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026603

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026603

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	4782952.9						56917.14	1.19%
YRADIAL	314375.2						4805.89	1.53%
Ga 417.206	1132261.6						25492.44	2.25%
GaRADIAL	56905.0						819.26	1.44%
Ag 328.068†	453.6	0.00177	mg/L	0.001499	0.00177	mg/L	0.001499	84.54%
Al 396.153†	5990.2	1.20	mg/L	0.033	1.20	mg/L	0.033	2.80%
As 188.979†	24.5	0.0243	mg/L	0.00299	0.0243	mg/L	0.00299	12.30%
Ba 233.527†	3052.7	0.0515	mg/L	0.00047	0.0515	mg/L	0.00047	0.92%
Be 234.861†	2363.4	0.00062	mg/L	0.000226	0.00062	mg/L	0.000226	36.22%
B 249.677†	1290.9	0.103	mg/L	0.0002	0.103	mg/L	0.0002	0.15%
Ca 227.546†	2240.2	21.1	mg/L	0.26	21.1	mg/L	0.26	1.25%
Cd 228.802†	9.4	0.00056	mg/L	0.000321	0.00056	mg/L	0.000321	57.12%
Co 228.616†	117.9	0.00566	mg/L	0.000290	0.00566	mg/L	0.000290	5.12%
Cr 267.716†	1275.2	0.0107	mg/L	0.00051	0.0107	mg/L	0.00051	4.73%
Cu 327.393†	2958.7	0.0222	mg/L	0.00110	0.0222	mg/L	0.00110	4.95%
Fe 239.562†	7794.6	16.9	mg/L	0.25	16.9	mg/L	0.25	1.48%
Mg 279.077†	11984.1	14.6	mg/L	0.15	14.6	mg/L	0.15	1.00%
Mn 257.610†	67652.4	0.161	mg/L	0.0036	0.161	mg/L	0.0036	2.23%
Mo 202.031†	16.1	0.00213	mg/L	0.000193	0.00213	mg/L	0.000193	9.07%
Ni 231.604†	550.0	0.0161	mg/L	0.00017	0.0161	mg/L	0.00017	1.03%
Pb 220.353†	-10.3	-0.00144	mg/L	0.000728	-0.00144	mg/L	0.000728	50.64%

Sb 206.836†	3.7	0.00346	mg/L	0.002231	0.00346	mg/L	0.002231 64.50%
Se 196.026†	-19.0	-0.00485	mg/L	0.009707	-0.00485	mg/L	0.009707 200.11%
Si 251.611†	990496.5	29.0	mg/L	0.35	29.0	mg/L	0.35 1.20%
Sn 189.927†	9.6	0.00081	mg/L	0.000414	0.00081	mg/L	0.000414 51.35%
Ti 334.940†	20144.0	0.0279	mg/L	0.00074	0.0279	mg/L	0.00074 2.66%
Tl 190.801†	41.7	0.0238	mg/L	0.00339	0.0238	mg/L	0.00339 14.25%
V 290.880†	1159.7	0.0103	mg/L	0.00137	0.0103	mg/L	0.00137 13.34%
Zn 206.200†	1376.0	0.0410	mg/L	0.00065	0.0410	mg/L	0.00065 1.59%
K 766.490†	161883.9	62.4	mg/L	0.26	62.4	mg/L	0.26 0.42%
Na 589.592†	1748750.7	135	mg/L	0.8	135	mg/L	0.8 0.60%
Sr 407.771†	308008.5	0.300	mg/L	0.0069	0.300	mg/L	0.0069 2.30%
Li 670.784†	1088.0	0.0145	mg/L	0.00114	0.0145	mg/L	0.00114 7.87%

Sequence No.: 96 **Autosampler Location: 117**
Sample ID: L1102026604 **Date Collected: 2/19/2011 2:26:21 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026604

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026604

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4966242.8						20417.29	0.41%
YRADIAL	319814.8						5532.40	1.73%
Ga 417.206	1205664.1						6249.27	0.52%
GaRADIAL	59512.8						870.62	1.46%
Ag 328.068†	725.6	0.00264	mg/L	0.001097	0.00264	mg/L	0.001097	41.55%
Al 396.153†	7719.4	1.54	mg/L	0.042	1.54	mg/L	0.042	2.74%
As 188.979†	19.7	0.0197	mg/L	0.00107	0.0197	mg/L	0.00107	5.42%
Ba 233.527†	1759.9	0.0296	mg/L	0.00014	0.0296	mg/L	0.00014	0.48%
Be 234.861†	3447.3	0.00039	mg/L	0.000530	0.00039	mg/L	0.000530	134.82%
B 249.677†	3558.2	0.194	mg/L	0.0063	0.194	mg/L	0.0063	3.23%
Ca 227.546†	10614.6	100	mg/L	1.2	100	mg/L	1.2	1.20%
Cd 228.802†	232.4	0.0129	mg/L	0.00046	0.0129	mg/L	0.00046	3.53%
Co 228.616†	83.5	0.00369	mg/L	0.000272	0.00369	mg/L	0.000272	7.37%
Cr 267.716†	475.2	0.00364	mg/L	0.000169	0.00364	mg/L	0.000169	4.65%
Cu 327.393†	439.7	0.00589	mg/L	0.000453	0.00589	mg/L	0.000453	7.70%
Fe 239.562†	12536.1	27.2	mg/L	1.05	27.2	mg/L	1.05	3.86%
Mg 279.077†	4087.2	4.96	mg/L	0.167	4.96	mg/L	0.167	3.38%
Mn 257.610†	75217.5	0.172	mg/L	0.0016	0.172	mg/L	0.0016	0.93%
Mo 202.031†	16.0	0.00264	mg/L	0.000678	0.00264	mg/L	0.000678	25.67%
Ni 231.604†	49.7	0.00147	mg/L	0.000438	0.00147	mg/L	0.000438	29.89%
Pb 220.353†	75.4	0.0164	mg/L	0.00112	0.0164	mg/L	0.00112	6.83%
Sb 206.836†	7.7	0.00605	mg/L	0.004776	0.00605	mg/L	0.004776	78.88%
Se 196.026†	-44.4	0.00041	mg/L	0.002075	0.00041	mg/L	0.002075	509.64%
Si 251.611†	270911.6	7.92	mg/L	0.026	7.92	mg/L	0.026	0.33%
Sn 189.927†	5.4	0.00009	mg/L	0.000412	0.00009	mg/L	0.000412	471.01%
Ti 334.940†	4418.3	0.00704	mg/L	0.000406	0.00704	mg/L	0.000406	5.77%
Tl 190.801†	112.3	0.0582	mg/L	0.00324	0.0582	mg/L	0.00324	5.57%
V 290.880†	527.1	0.00684	mg/L	0.000627	0.00684	mg/L	0.000627	9.17%
Zn 206.200†	2887.2	0.0865	mg/L	0.00048	0.0865	mg/L	0.00048	0.56%
K 766.490†	37120.9	14.1	mg/L	0.09	14.1	mg/L	0.09	0.65%
Na 589.592†	123147.4	8.93	mg/L	0.006	8.93	mg/L	0.006	0.06%
Sr 407.771†	121613.5	0.116	mg/L	0.0031	0.116	mg/L	0.0031	2.64%
Li 670.784†	271.6	0.00433	mg/L	0.001827	0.00433	mg/L	0.001827	42.21%

Sequence No.: 97 **Autosampler Location: 118**
Sample ID: L1102026605 **Date Collected: 2/19/2011 2:32:04 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026605

Analyte	Back Pressure	Flow

All 168.0 kPa 0.50 L/min

Mean Data: L1102026605

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5114764.0						68403.41	1.34%
YRADIAL	316763.6						4259.94	1.34%
Ga 417.206	1212535.3						16492.84	1.36%
GaRADIAL	58695.9						1194.69	2.04%
Ag 328.068†	517.6	0.00230	mg/L	0.001320	0.00230	mg/L	0.001320	57.49%
Al 396.153†	1048.0	0.204	mg/L	0.0057	0.204	mg/L	0.0057	2.78%
As 188.979†	20.6	0.0199	mg/L	0.00044	0.0199	mg/L	0.00044	2.21%
Ba 233.527†	6011.3	0.102	mg/L	0.0018	0.102	mg/L	0.0018	1.78%
Be 234.861†	1497.3	0.00026	mg/L	0.000226	0.00026	mg/L	0.000226	86.77%
B 249.677†	156.5	0.0586	mg/L	0.00225	0.0586	mg/L	0.00225	3.84%
Ca 227.546†	3337.0	31.4	mg/L	0.25	31.4	mg/L	0.25	0.81%
Cd 228.802†	8.6	0.00061	mg/L	0.000169	0.00061	mg/L	0.000169	27.58%
Co 228.616†	240.2	0.0121	mg/L	0.00035	0.0121	mg/L	0.00035	2.91%
Cr 267.716†	143.3	0.00055	mg/L	0.000069	0.00055	mg/L	0.000069	12.49%
Cu 327.393†	-178.0	-0.00020	mg/L	0.000169	-0.00020	mg/L	0.000169	85.60%
Fe 239.562†	5374.1	11.6	mg/L	0.18	11.6	mg/L	0.18	1.55%
Mg 279.077†	4616.0	5.61	mg/L	0.083	5.61	mg/L	0.083	1.47%
Mn 257.610†	247056.8	0.559	mg/L	0.0042	0.559	mg/L	0.0042	0.75%
Mo 202.031†	1.3	0.00085	mg/L	0.000173	0.00085	mg/L	0.000173	20.30%
Ni 231.604†	91.5	0.00271	mg/L	0.000259	0.00271	mg/L	0.000259	9.59%
Pb 220.353†	-16.1	-0.00176	mg/L	0.000478	-0.00176	mg/L	0.000478	27.11%
Sb 206.836†	0.9	0.00177	mg/L	0.002956	0.00177	mg/L	0.002956	167.19%
Se 196.026†	-23.4	-0.00744	mg/L	0.000940	-0.00744	mg/L	0.000940	12.65%
Si 251.611†	330782.9	9.68	mg/L	0.131	9.68	mg/L	0.131	1.35%
Sn 189.927†	24.2	0.00332	mg/L	0.000814	0.00332	mg/L	0.000814	24.48%
Ti 334.940†	1203.4	0.00193	mg/L	0.000189	0.00193	mg/L	0.000189	9.77%
Tl 190.801†	57.9	0.0327	mg/L	0.00574	0.0327	mg/L	0.00574	17.55%
V 290.880†	-453.8	-0.00092	mg/L	0.000467	-0.00092	mg/L	0.000467	50.77%
Zn 206.200†	576.3	0.0168	mg/L	0.00039	0.0168	mg/L	0.00039	2.31%
K 766.490†	4481.7	1.70	mg/L	0.028	1.70	mg/L	0.028	1.66%
Na 589.592†	198536.9	14.4	mg/L	0.13	14.4	mg/L	0.13	0.93%
Sr 407.771†	246124.1	0.239	mg/L	0.0073	0.239	mg/L	0.0073	3.07%
Li 670.784†	462.7	0.00671	mg/L	0.001100	0.00671	mg/L	0.001100	16.40%

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Sequence No.: 98 **Autosampler Location: 119**
Sample ID: L1102026605PS WG356489-01 **Date Collected: 2/19/2011 2:37:47 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026605PS WG356489-01

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026605PS WG356489-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4938805.4						47808.44	0.97%
YRADIAL	318709.6						3977.52	1.25%
Ga 417.206	1157476.5						18503.04	1.60%
GaRADIAL	57990.8						424.28	0.73%
Ag 328.068†	47553.9	0.236	mg/L	0.0042	0.236	mg/L	0.0042	1.78%
Al 396.153†	29907.0	5.98	mg/L	0.092	5.98	mg/L	0.092	1.53%
As 188.979†	275.0	0.251	mg/L	0.0066	0.251	mg/L	0.0066	2.64%
Ba 233.527†	33619.8	0.570	mg/L	0.0037	0.570	mg/L	0.0037	0.64%
Be 234.861†	19159.2	0.0310	mg/L	0.00077	0.0310	mg/L	0.00077	2.50%
B 249.677†	61355.8	1.21	mg/L	0.004	1.21	mg/L	0.004	0.32%
Ca 227.546†	3747.9	35.4	mg/L	0.14	35.4	mg/L	0.14	0.40%
Cd 228.802†	502.3	0.0275	mg/L	0.00026	0.0275	mg/L	0.00026	0.93%
Co 228.616†	2029.6	0.103	mg/L	0.0010	0.103	mg/L	0.0010	0.96%
Cr 267.716†	26769.5	0.236	mg/L	0.0007	0.236	mg/L	0.0007	0.28%
Cu 327.393†	42401.7	0.296	mg/L	0.0031	0.296	mg/L	0.0031	1.05%
Fe 239.562†	5572.7	12.1	mg/L	0.08	12.1	mg/L	0.08	0.69%
Mg 279.077†	7907.1	9.62	mg/L	0.112	9.62	mg/L	0.112	1.16%

Mn 257.610†	335164.0	0.760 mg/L	0.0030	0.760 mg/L	0.0030	0.39%
Mo 202.031†	6486.5	0.486 mg/L	0.0045	0.486 mg/L	0.0045	0.93%
Ni 231.604†	8223.0	0.239 mg/L	0.0021	0.239 mg/L	0.0021	0.87%
Pb 220.353†	1408.4	0.241 mg/L	0.0029	0.241 mg/L	0.0029	1.18%
Sb 206.836†	1115.1	0.717 mg/L	0.0052	0.717 mg/L	0.0052	0.73%
Se 196.026†	291.1	0.218 mg/L	0.0051	0.218 mg/L	0.0051	2.33%
Si 251.611†	416740.5	12.2 mg/L	0.08	12.2 mg/L	0.08	0.66%
Sn 189.927†	13.0	0.00139 mg/L	0.001021	0.00139 mg/L	0.001021	73.37%
Ti 334.940†	354277.5	0.487 mg/L	0.0055	0.487 mg/L	0.0055	1.14%
Tl 190.801†	461.8	0.277 mg/L	0.0052	0.277 mg/L	0.0052	1.87%
V 290.880†	70126.0	0.471 mg/L	0.0011	0.471 mg/L	0.0011	0.23%
Zn 206.200†	16150.3	0.490 mg/L	0.0054	0.490 mg/L	0.0054	1.09%
K 766.490†	76827.7	29.3 mg/L	0.16	29.3 mg/L	0.16	0.56%
Na 589.592†	574248.1	42.3 mg/L	0.11	42.3 mg/L	0.11	0.25%
Sr 407.771†	607172.5	0.593 mg/L	0.0080	0.593 mg/L	0.0080	1.34%
Li 670.784†	46166.1	0.576 mg/L	0.0040	0.576 mg/L	0.0040	0.69%

Sequence No.: 99 **Autosampler Location: 120**
Sample ID: L1102026605DL WG356489-02 **Date Collected: 2/19/2011 2:43:35 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026605DL WG356489-02

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026605DL WG356489-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5269833.4						29000.46	0.55%
YRADIAL	325621.0						6342.96	1.95%
Ga 417.206	1239185.6						11169.58	0.90%
GaRADIAL	59990.9						1590.54	2.65%
Ag 328.068†	41.1	0.00049	mg/L	0.000746	0.00049	mg/L	0.000746	151.08%
Al 396.153†	420.3	0.0774	mg/L	0.00373	0.0774	mg/L	0.00373	4.82%
As 188.979†	2.8	0.00274	mg/L	0.002080	0.00274	mg/L	0.002080	75.94%
Ba 233.527†	1200.7	0.0201	mg/L	0.00018	0.0201	mg/L	0.00018	0.89%
Be 234.861†	267.1	0.00001	mg/L	0.000082	0.00001	mg/L	0.000082	899.34%
B 249.677†	132.0	0.0145	mg/L	0.00197	0.0145	mg/L	0.00197	13.56%
Ca 227.546†	651.2	6.08	mg/L	0.073	6.08	mg/L	0.073	1.21%
Cd 228.802†	5.1	0.00044	mg/L	0.000051	0.00044	mg/L	0.000051	11.74%
Co 228.616†	52.2	0.00275	mg/L	0.000165	0.00275	mg/L	0.000165	6.01%
Cr 267.716†	31.9	-0.00025	mg/L	0.000056	-0.00025	mg/L	0.000056	22.71%
Cu 327.393†	-11.8	-0.00013	mg/L	0.000314	-0.00013	mg/L	0.000314	251.18%
Fe 239.562†	1034.8	2.24	mg/L	0.076	2.24	mg/L	0.076	3.39%
Mg 279.077†	893.0	1.08	mg/L	0.033	1.08	mg/L	0.033	3.02%
Mn 257.610†	49083.5	0.111	mg/L	0.0006	0.111	mg/L	0.0006	0.53%
Mo 202.031†	4.2	0.00051	mg/L	0.000231	0.00051	mg/L	0.000231	45.17%
Ni 231.604†	21.2	0.00067	mg/L	0.000108	0.00067	mg/L	0.000108	16.06%
Pb 220.353†	-8.2	-0.00117	mg/L	0.000884	-0.00117	mg/L	0.000884	75.30%
Sb 206.836†	0.4	0.00145	mg/L	0.001519	0.00145	mg/L	0.001519	105.01%
Se 196.026†	-0.5	-0.00064	mg/L	0.005545	-0.00064	mg/L	0.005545	860.73%
Si 251.611†	65624.1	1.92	mg/L	0.019	1.92	mg/L	0.019	0.99%
Sn 189.927†	12.3	0.00128	mg/L	0.001004	0.00128	mg/L	0.001004	78.25%
Ti 334.940†	592.8	0.00084	mg/L	0.000039	0.00084	mg/L	0.000039	4.68%
Tl 190.801†	13.6	0.00814	mg/L	0.000809	0.00814	mg/L	0.000809	9.94%
V 290.880†	-512.3	-0.00203	mg/L	0.000710	-0.00203	mg/L	0.000710	35.01%
Zn 206.200†	184.8	0.00519	mg/L	0.000089	0.00519	mg/L	0.000089	1.71%
K 766.490†	1039.7	0.409	mg/L	0.0426	0.409	mg/L	0.0426	10.41%
Na 589.592†	39597.9	2.86	mg/L	0.040	2.86	mg/L	0.040	1.39%
Sr 407.771†	51501.0	0.0499	mg/L	0.00446	0.0499	mg/L	0.00446	8.94%
Li 670.784†	67.6	0.00179	mg/L	0.001761	0.00179	mg/L	0.001761	98.52%

Sequence No.: 100 **Autosampler Location: 121**
Sample ID: L1102026606 **Date Collected: 2/19/2011 2:50:14 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026606

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026606

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5037015.1						119492.50	2.37%
YRADIAL	325481.7						4622.41	1.42%
Ga 417.206	1199565.4						42884.63	3.58%
GaRADIAL	59818.5						424.83	0.71%
Ag 328.068†	505.0	0.00223	mg/L	0.000902	0.00223	mg/L	0.000902	40.40%
Al 396.153†	830.6	0.160	mg/L	0.0132	0.160	mg/L	0.0132	8.22%
As 188.979†	21.1	0.0203	mg/L	0.00409	0.0203	mg/L	0.00409	20.17%
Ba 233.527†	5841.2	0.0987	mg/L	0.00186	0.0987	mg/L	0.00186	1.88%
Be 234.861†	1680.9	0.00057	mg/L	0.000169	0.00057	mg/L	0.000169	29.60%
B 249.677†	-84.2	0.0542	mg/L	0.00206	0.0542	mg/L	0.00206	3.81%
Ca 227.546†	3382.7	31.8	mg/L	0.73	31.8	mg/L	0.73	2.30%
Cd 228.802†	8.4	0.00059	mg/L	0.000135	0.00059	mg/L	0.000135	22.72%
Co 228.616†	232.1	0.0117	mg/L	0.00060	0.0117	mg/L	0.00060	5.15%
Cr 267.716†	103.3	0.00019	mg/L	0.000127	0.00019	mg/L	0.000127	65.56%
Cu 327.393†	-22.4	0.00088	mg/L	0.001223	0.00088	mg/L	0.001223	138.16%
Fe 239.562†	5383.6	11.7	mg/L	0.08	11.7	mg/L	0.08	0.67%
Mg 279.077†	4484.8	5.45	mg/L	0.040	5.45	mg/L	0.040	0.73%
Mn 257.610†	252452.2	0.572	mg/L	0.0102	0.572	mg/L	0.0102	1.78%
Mo 202.031†	5.0	0.00113	mg/L	0.000169	0.00113	mg/L	0.000169	14.96%
Ni 231.604†	71.2	0.00211	mg/L	0.000248	0.00211	mg/L	0.000248	11.74%
Pb 220.353†	-17.2	-0.00192	mg/L	0.000361	-0.00192	mg/L	0.000361	18.79%
Sb 206.836†	1.6	0.00221	mg/L	0.003837	0.00221	mg/L	0.003837	173.87%
Se 196.026†	-20.1	-0.00492	mg/L	0.002822	-0.00492	mg/L	0.002822	57.37%
Si 251.611†	330145.6	9.66	mg/L	0.274	9.66	mg/L	0.274	2.84%
Sn 189.927†	16.8	0.00205	mg/L	0.000462	0.00205	mg/L	0.000462	22.53%
Ti 334.940†	1306.5	0.00208	mg/L	0.000203	0.00208	mg/L	0.000203	9.79%
Tl 190.801†	58.3	0.0329	mg/L	0.00551	0.0329	mg/L	0.00551	16.74%
V 290.880†	-359.9	-0.00029	mg/L	0.000528	-0.00029	mg/L	0.000528	182.18%
Zn 206.200†	541.1	0.0158	mg/L	0.00049	0.0158	mg/L	0.00049	3.09%
K 766.490†	4097.1	1.56	mg/L	0.021	1.56	mg/L	0.021	1.37%
Na 589.592†	193612.3	14.1	mg/L	0.03	14.1	mg/L	0.03	0.24%
Sr 407.771†	238188.6	0.232	mg/L	0.0101	0.232	mg/L	0.0101	4.35%
Li 670.784†	267.1	0.00427	mg/L	0.000744	0.00427	mg/L	0.000744	17.41%

Sequence No.: 101 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 2/19/2011 2:55:58 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5051960.4						52557.49	1.04%
YRADIAL	314045.3						7558.29	2.41%
Ga 417.206	1159271.0						25664.14	2.21%
GaRADIAL	57957.9						442.45	0.76%
Ag 328.068†	92131.9	0.459	mg/L	0.0121	0.459	mg/L	0.0121	2.64%
Al 396.153†	57993.0	11.6	mg/L	0.03	11.6	mg/L	0.03	0.27%
As 188.979†	507.0	0.460	mg/L	0.0094	0.460	mg/L	0.0094	2.04%
Ba 233.527†	54741.0	0.929	mg/L	0.0123	0.929	mg/L	0.0123	1.32%
Be 234.861†	34521.7	0.0594	mg/L	0.00166	0.0594	mg/L	0.00166	2.79%
B 249.677†	30319.3	0.578	mg/L	0.0156	0.578	mg/L	0.0156	2.70%
Ca 227.546†	1181.9	11.4	mg/L	0.21	11.4	mg/L	0.21	1.88%
Cd 228.802†	1017.5	0.0555	mg/L	0.00161	0.0555	mg/L	0.00161	2.91%
Co 228.616†	3584.6	0.182	mg/L	0.0017	0.182	mg/L	0.0017	0.91%

Cr 267.716†	52268.3	0.462	mg/L	0.0059	0.462	mg/L	0.0059 1.27%
Cu 327.393†	83249.3	0.579	mg/L	0.0159	0.579	mg/L	0.0159 2.75%
Fe 239.562†	1656.4	3.59	mg/L	0.060	3.59	mg/L	0.060 1.68%
Mg 279.077†	7413.2	9.02	mg/L	0.168	9.02	mg/L	0.168 1.86%
Mn 257.610†	206272.8	0.470	mg/L	0.0065	0.470	mg/L	0.0065 1.38%
Mo 202.031†	12377.6	0.926	mg/L	0.0104	0.926	mg/L	0.0104 1.12%
Ni 231.604†	15895.7	0.463	mg/L	0.0086	0.463	mg/L	0.0086 1.86%
Pb 220.353†	2761.7	0.471	mg/L	0.0045	0.471	mg/L	0.0045 0.95%
Sb 206.836†	2214.6	1.42	mg/L	0.031	1.42	mg/L	0.031 2.21%
Se 196.026†	640.6	0.459	mg/L	0.0163	0.459	mg/L	0.0163 3.56%
Si 251.611†	197348.2	5.76	mg/L	0.161	5.76	mg/L	0.161 2.79%
Sn 189.927†	5375.7	0.927	mg/L	0.0090	0.927	mg/L	0.0090 0.98%
Ti 334.940†	683194.9	0.939	mg/L	0.0041	0.939	mg/L	0.0041 0.44%
Tl 190.801†	793.7	0.480	mg/L	0.0080	0.480	mg/L	0.0080 1.66%
V 290.880†	136122.3	0.912	mg/L	0.0144	0.912	mg/L	0.0144 1.58%
Zn 206.200†	30904.6	0.938	mg/L	0.0121	0.938	mg/L	0.0121 1.30%
K 766.490†	145703.5	56.1	mg/L	0.44	56.1	mg/L	0.44 0.78%
Na 589.592†	770899.5	57.3	mg/L	0.49	57.3	mg/L	0.49 0.85%
Sr 407.771†	838203.3	0.821	mg/L	0.0594	0.821	mg/L	0.0594 7.24%
Li 670.784†	90177.8	1.12	mg/L	0.004	1.12	mg/L	0.004 0.39%

Sequence No.: 102 **Autosampler Location: 5**
Sample ID: CCB **Date Collected: 2/19/2011 3:02:44 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5191907.9						46409.75	0.89%
YRADIAL	316461.5						8995.81	2.84%
Ga 417.206	1174497.2						18239.30	1.55%
GaRADIAL	58323.8						376.46	0.65%
Ag 328.068†	-38.8	0.00023	mg/L	0.001538	0.00023	mg/L	0.001538	658.60%
Al 396.153†	-29.3	-0.0129	mg/L	0.00961	-0.0129	mg/L	0.00961	74.73%
As 188.979†	2.9	0.00268	mg/L	0.001509	0.00268	mg/L	0.001509	56.37%
Ba 233.527†	5.7	-0.00010	mg/L	0.000108	-0.00010	mg/L	0.000108	106.55%
Be 234.861†	-164.2	-0.00029	mg/L	0.000042	-0.00029	mg/L	0.000042	14.58%
B 249.677†	234.0	0.00610	mg/L	0.000456	0.00610	mg/L	0.000456	7.48%
Ca 227.546†	-3.7	-0.0883	mg/L	0.07398	-0.0883	mg/L	0.07398	83.81%
Cd 228.802†	8.5	0.00060	mg/L	0.000107	0.00060	mg/L	0.000107	18.02%
Co 228.616†	3.9	0.00034	mg/L	0.000213	0.00034	mg/L	0.000213	62.81%
Cr 267.716†	3.5	-0.00045	mg/L	0.000046	-0.00045	mg/L	0.000046	10.26%
Cu 327.393†	-131.3	-0.00121	mg/L	0.000427	-0.00121	mg/L	0.000427	35.24%
Fe 239.562†	1.1	-0.00144	mg/L	0.005399	-0.00144	mg/L	0.005399	374.33%
Mg 279.077†	-7.2	-0.0125	mg/L	0.00498	-0.0125	mg/L	0.00498	39.91%
Mn 257.610†	20.2	-0.00022	mg/L	0.000014	-0.00022	mg/L	0.000014	6.09%
Mo 202.031†	6.3	0.00053	mg/L	0.000480	0.00053	mg/L	0.000480	90.13%
Ni 231.604†	-11.5	-0.00028	mg/L	0.000145	-0.00028	mg/L	0.000145	51.87%
Pb 220.353†	-8.3	-0.00138	mg/L	0.000997	-0.00138	mg/L	0.000997	72.11%
Sb 206.836†	-0.5	0.00082	mg/L	0.001848	0.00082	mg/L	0.001848	224.37%
Se 196.026†	1.8	-0.00130	mg/L	0.003450	-0.00130	mg/L	0.003450	266.27%
Si 251.611†	197.7	0.00528	mg/L	0.000313	0.00528	mg/L	0.000313	5.92%
Sn 189.927†	4.9	0.00000	mg/L	0.000150	0.00000	mg/L	0.000150	>999.9%
Ti 334.940†	250.3	0.00031	mg/L	0.000201	0.00031	mg/L	0.000201	65.71%
Tl 190.801†	4.8	0.00327	mg/L	0.001181	0.00327	mg/L	0.001181	36.13%
V 290.880†	-517.6	-0.00223	mg/L	0.000058	-0.00223	mg/L	0.000058	2.59%
Zn 206.200†	21.1	0.00029	mg/L	0.000019	0.00029	mg/L	0.000019	6.61%
K 766.490†	31.6	0.0302	mg/L	0.00989	0.0302	mg/L	0.00989	32.73%
Na 589.592†	-410.5	-0.0265	mg/L	0.00827	-0.0265	mg/L	0.00827	31.20%
Sr 407.771†	84.0	-0.00019	mg/L	0.000091	-0.00019	mg/L	0.000091	47.10%
Li 670.784†	-54.2	0.00027	mg/L	0.000731	0.00027	mg/L	0.000731	270.70%

Sequence No.: 103 **Autosampler Location: 3**

Sample ID: LLCCV **Date Collected: 2/19/2011 3:09:23 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5152868.5						47679.73	0.93%
YRADIAL	321215.7						12533.59	3.90%
Ga 417.206	1180177.5						8400.77	0.71%
GaRADIAL	58681.3						961.64	1.64%
Ag 328.068†	1993.7	0.0103	mg/L	0.00047	0.0103	mg/L	0.00047	4.54%
Al 396.153†	1268.0	0.247	mg/L	0.0020	0.247	mg/L	0.0020	0.82%
As 188.979†	11.0	0.0100	mg/L	0.00067	0.0100	mg/L	0.00067	6.67%
Ba 233.527†	1183.4	0.0199	mg/L	0.00020	0.0199	mg/L	0.00020	1.01%
Be 234.861†	560.5	0.00096	mg/L	0.000009	0.00096	mg/L	0.000009	0.90%
B 249.677†	738.4	0.0157	mg/L	0.00058	0.0157	mg/L	0.00058	3.73%
Ca 227.546†	19.1	0.134	mg/L	0.0855	0.134	mg/L	0.0855	63.93%
Cd 228.802†	25.9	0.00156	mg/L	0.000142	0.00156	mg/L	0.000142	9.13%
Co 228.616†	81.5	0.00427	mg/L	0.000011	0.00427	mg/L	0.000011	0.27%
Cr 267.716†	1155.9	0.00974	mg/L	0.000119	0.00974	mg/L	0.000119	1.22%
Cu 327.393†	1655.2	0.0112	mg/L	0.00140	0.0112	mg/L	0.00140	12.46%
Fe 239.562†	35.0	0.0721	mg/L	0.00176	0.0721	mg/L	0.00176	2.44%
Mg 279.077†	149.1	0.178	mg/L	0.0046	0.178	mg/L	0.0046	2.58%
Mn 257.610†	4487.4	0.00996	mg/L	0.000099	0.00996	mg/L	0.000099	0.99%
Mo 202.031†	263.7	0.0198	mg/L	0.00061	0.0198	mg/L	0.00061	3.08%
Ni 231.604†	326.4	0.00955	mg/L	0.000063	0.00955	mg/L	0.000063	0.66%
Pb 220.353†	52.7	0.00902	mg/L	0.000313	0.00902	mg/L	0.000313	3.47%
Sb 206.836†	45.2	0.0302	mg/L	0.00206	0.0302	mg/L	0.00206	6.82%
Se 196.026†	13.5	0.00716	mg/L	0.006925	0.00716	mg/L	0.006925	96.67%
Si 251.611†	4235.9	0.123	mg/L	0.0013	0.123	mg/L	0.0013	1.09%
Sn 189.927†	121.0	0.0200	mg/L	0.00025	0.0200	mg/L	0.00025	1.25%
Ti 334.940†	14488.4	0.0199	mg/L	0.00039	0.0199	mg/L	0.00039	1.95%
Tl 190.801†	20.2	0.0126	mg/L	0.00073	0.0126	mg/L	0.00073	5.77%
V 290.880†	2536.9	0.0182	mg/L	0.00047	0.0182	mg/L	0.00047	2.58%
Zn 206.200†	708.9	0.0212	mg/L	0.00034	0.0212	mg/L	0.00034	1.59%
K 766.490†	3206.5	1.23	mg/L	0.032	1.23	mg/L	0.032	2.60%
Na 589.592†	16345.1	1.18	mg/L	0.022	1.18	mg/L	0.022	1.83%
Sr 407.771†	17861.9	0.0172	mg/L	0.00126	0.0172	mg/L	0.00126	7.34%
Li 670.784†	1940.1	0.0251	mg/L	0.00081	0.0251	mg/L	0.00081	3.23%

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Sequence No.: 104 **Autosampler Location: 122**
Sample ID: L1102026607 **Date Collected: 2/19/2011 3:16:01 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026607

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026607

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4742840.9						44333.90	0.93%
YRADIAL	318122.4						4175.43	1.31%
Ga 417.206	1113274.2						16394.09	1.47%
GaRADIAL	57220.8						588.70	1.03%
Ag 328.068†	910.5	0.00412	mg/L	0.000691	0.00412	mg/L	0.000691	16.77%
Al 396.153†	1001.9	0.195	mg/L	0.0081	0.195	mg/L	0.0081	4.17%
As 188.979†	17.3	0.0155	mg/L	0.00803	0.0155	mg/L	0.00803	51.87%
Ba 233.527†	2509.2	0.0424	mg/L	0.00054	0.0424	mg/L	0.00054	1.28%
Be 234.861†	2351.9	0.00076	mg/L	0.000048	0.00076	mg/L	0.000048	6.34%

B 249.677†	1498.8	0.105	mg/L	0.0037	0.105	mg/L	0.0037 3.53%
Ca 227.546†	14197.6	134	mg/L	1.3	134	mg/L	1.3 0.94%
Cd 228.802†	10.0	0.00061	mg/L	0.000069	0.00061	mg/L	0.000069 11.31%
Co 228.616†	63.4	0.00283	mg/L	0.000486	0.00283	mg/L	0.000486 17.17%
Cr 267.716†	1511.8	0.0129	mg/L	0.00008	0.0129	mg/L	0.00008 0.63%
Cu 327.393†	-672.9	-0.00302	mg/L	0.000879	-0.00302	mg/L	0.000879 29.10%
Fe 239.562†	7440.0	16.1	mg/L	0.37	16.1	mg/L	0.37 2.32%
Mg 279.077†	13346.4	16.2	mg/L	0.36	16.2	mg/L	0.36 2.20%
Mn 257.610†	59437.0	0.146	mg/L	0.0008	0.146	mg/L	0.0008 0.54%
Mo 202.031†	21.6	0.00252	mg/L	0.000480	0.00252	mg/L	0.000480 19.06%
Ni 231.604†	283.5	0.00826	mg/L	0.000196	0.00826	mg/L	0.000196 2.37%
Pb 220.353†	-25.0	0.00150	mg/L	0.000416	0.00150	mg/L	0.000416 27.71%
Sb 206.836†	10.9	0.00807	mg/L	0.002683	0.00807	mg/L	0.002683 33.27%
Se 196.026†	-56.1	-0.00339	mg/L	0.003992	-0.00339	mg/L	0.003992 117.65%
Si 251.611†	1019053.8	29.8	mg/L	0.36	29.8	mg/L	0.36 1.21%
Sn 189.927†	14.2	0.00161	mg/L	0.000467	0.00161	mg/L	0.000467 29.05%
Ti 334.940†	41058.1	0.0578	mg/L	0.00044	0.0578	mg/L	0.00044 0.77%
Tl 190.801†	135.2	0.0693	mg/L	0.00403	0.0693	mg/L	0.00403 5.81%
V 290.880†	5925.2	0.0421	mg/L	0.00144	0.0421	mg/L	0.00144 3.42%
Zn 206.200†	895.5	0.0264	mg/L	0.00051	0.0264	mg/L	0.00051 1.94%
K 766.490†	527445.7	214	mg/L	1.2	214	mg/L	1.2 0.55%
Na 589.592†	2354489.2	188	mg/L	1.0	188	mg/L	1.0 0.56%
Sr 407.771†	396928.1	0.387	mg/L	0.0091	0.387	mg/L	0.0091 2.34%
Li 670.784†	1228.4	0.0162	mg/L	0.00233	0.0162	mg/L	0.00233 14.36%

Sequence No.: 105 **Autosampler Location: 123**
Sample ID: L1102026608 **Date Collected: 2/19/2011 3:21:51 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026608

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026608

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5054758.7						37630.90	0.74%
YRADIAL	319437.6						4687.26	1.47%
Ga 417.206	1208272.5						16309.60	1.35%
GaRADIAL	59798.6						966.94	1.62%
Ag 328.068†	128.0	0.00087	mg/L	0.000074	0.00087	mg/L	0.000074	8.54%
Al 396.153†	4354.3	0.866	mg/L	0.0105	0.866	mg/L	0.0105	1.21%
As 188.979†	4.9	0.00447	mg/L	0.002164	0.00447	mg/L	0.002164	48.46%
Ba 233.527†	7021.7	0.119	mg/L	0.0023	0.119	mg/L	0.0023	1.97%
Be 234.861†	392.8	-0.00012	mg/L	0.000158	-0.00012	mg/L	0.000158	134.35%
B 249.677†	2181.4	0.0600	mg/L	0.00284	0.0600	mg/L	0.00284	4.74%
Ca 227.546†	2734.1	25.7	mg/L	0.35	25.7	mg/L	0.35	1.37%
Cd 228.802†	3.5	0.00031	mg/L	0.000135	0.00031	mg/L	0.000135	44.21%
Co 228.616†	4.0	0.00018	mg/L	0.000284	0.00018	mg/L	0.000284	157.72%
Cr 267.716†	210.5	0.00136	mg/L	0.000131	0.00136	mg/L	0.000131	9.62%
Cu 327.393†	-97.0	-0.00051	mg/L	0.000588	-0.00051	mg/L	0.000588	114.68%
Fe 239.562†	1786.1	3.87	mg/L	0.059	3.87	mg/L	0.059	1.51%
Mg 279.077†	1124.4	1.36	mg/L	0.028	1.36	mg/L	0.028	2.06%
Mn 257.610†	7112.6	0.0177	mg/L	0.00013	0.0177	mg/L	0.00013	0.76%
Mo 202.031†	10.3	0.00103	mg/L	0.000039	0.00103	mg/L	0.000039	3.77%
Ni 231.604†	15.4	0.00049	mg/L	0.000141	0.00049	mg/L	0.000141	28.92%
Pb 220.353†	-6.8	-0.00003	mg/L	0.000402	-0.00003	mg/L	0.000402	>999.9%
Sb 206.836†	6.0	0.00498	mg/L	0.002890	0.00498	mg/L	0.002890	58.00%
Se 196.026†	-19.7	-0.00891	mg/L	0.003947	-0.00891	mg/L	0.003947	44.28%
Si 251.611†	158856.3	4.65	mg/L	0.090	4.65	mg/L	0.090	1.94%
Sn 189.927†	3.9	-0.00018	mg/L	0.000402	-0.00018	mg/L	0.000402	229.27%
Ti 334.940†	6860.5	0.00965	mg/L	0.000284	0.00965	mg/L	0.000284	2.94%
Tl 190.801†	47.3	0.0263	mg/L	0.00147	0.0263	mg/L	0.00147	5.61%
V 290.880†	348.2	0.00385	mg/L	0.001373	0.00385	mg/L	0.001373	35.65%
Zn 206.200†	126.7	0.00340	mg/L	0.000068	0.00340	mg/L	0.000068	2.00%
K 766.490†	107418.4	41.2	mg/L	0.33	41.2	mg/L	0.33	0.81%
Na 589.592†	205299.2	14.9	mg/L	0.06	14.9	mg/L	0.06	0.42%
Sr 407.771†	46939.0	0.0453	mg/L	0.00388	0.0453	mg/L	0.00388	8.58%

Li 670.784†	66.6	0.00177	mg/L	0.002298	0.00177	mg/L	0.002298 129.49%

Sequence No.: 106 **Autosampler Location: 124**
Sample ID: L1102026609 **Date Collected: 2/19/2011 3:28:31 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026609

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026609

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5298500.1						10600.33	0.20%
YRADIAL	330038.8						10226.43	3.10%
Ga 417.206	1280401.2						9457.36	0.74%
GaRADIAL	61456.6						1064.25	1.73%
Ag 328.068†	74.9	0.00071	mg/L	0.000112	0.00071	mg/L	0.000112	15.88%
Al 396.153†	849.7	0.163	mg/L	0.0068	0.163	mg/L	0.0068	4.17%
As 188.979†	5.4	0.00506	mg/L	0.001127	0.00506	mg/L	0.001127	22.29%
Ba 233.527†	1259.6	0.0211	mg/L	0.00011	0.0211	mg/L	0.00011	0.50%
Be 234.861†	167.6	-0.00007	mg/L	0.000141	-0.00007	mg/L	0.000141	208.80%
B 249.677†	1124.4	0.0308	mg/L	0.00030	0.0308	mg/L	0.00030	0.99%
Ca 227.546†	829.8	7.76	mg/L	0.060	7.76	mg/L	0.060	0.77%
Cd 228.802†	4.3	0.00035	mg/L	0.000060	0.00035	mg/L	0.000060	17.02%
Co 228.616†	4.6	0.00032	mg/L	0.000150	0.00032	mg/L	0.000150	46.77%
Cr 267.716†	48.7	-0.00005	mg/L	0.000003	-0.00005	mg/L	0.000003	6.24%
Cu 327.393†	95.5	0.00056	mg/L	0.000400	0.00056	mg/L	0.000400	71.12%
Fe 239.562†	793.2	1.72	mg/L	0.047	1.72	mg/L	0.047	2.72%
Mg 279.077†	331.3	0.399	mg/L	0.0104	0.399	mg/L	0.0104	2.62%
Mn 257.610†	3738.7	0.00887	mg/L	0.000182	0.00887	mg/L	0.000182	2.06%
Mo 202.031†	7.9	0.00074	mg/L	0.000200	0.00074	mg/L	0.000200	26.90%
Ni 231.604†	-11.9	-0.00030	mg/L	0.000229	-0.00030	mg/L	0.000229	77.21%
Pb 220.353†	-8.9	-0.00119	mg/L	0.000704	-0.00119	mg/L	0.000704	59.31%
Sb 206.836†	1.2	0.00192	mg/L	0.000897	0.00192	mg/L	0.000897	46.76%
Se 196.026†	-7.0	-0.00501	mg/L	0.003983	-0.00501	mg/L	0.003983	79.44%
Si 251.611†	98772.0	2.89	mg/L	0.028	2.89	mg/L	0.028	0.96%
Sn 189.927†	1.4	-0.00061	mg/L	0.000614	-0.00061	mg/L	0.000614	101.04%
Ti 334.940†	1359.6	0.00191	mg/L	0.000327	0.00191	mg/L	0.000327	17.14%
Tl 190.801†	19.7	0.0114	mg/L	0.00350	0.0114	mg/L	0.00350	30.63%
V 290.880†	-383.4	-0.00121	mg/L	0.000520	-0.00121	mg/L	0.000520	43.11%
Zn 206.200†	192.1	0.00543	mg/L	0.000130	0.00543	mg/L	0.000130	2.39%
K 766.490†	4225.7	1.61	mg/L	0.046	1.61	mg/L	0.046	2.88%
Na 589.592†	79997.9	5.79	mg/L	0.049	5.79	mg/L	0.049	0.84%
Sr 407.771†	21271.7	0.0204	mg/L	0.00142	0.0204	mg/L	0.00142	6.97%
Li 670.784†	-88.8	-0.00016	mg/L	0.001039	-0.00016	mg/L	0.001039	647.05%

Sequence No.: 107 **Autosampler Location: 125**
Sample ID: L1102026610 **Date Collected: 2/19/2011 3:35:12 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026610

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026610

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5180933.3						59284.47	1.14%
YRADIAL	327851.0						9017.44	2.75%
Ga 417.206	1226675.3						26955.69	2.20%
GaRADIAL	60771.3						711.21	1.17%
Ag 328.068†	-117.5	-0.00029	mg/L	0.000266	-0.00029	mg/L	0.000266	93.28%

Al 396.153†	1951.1	0.384	mg/L	0.0075	0.384	mg/L	0.0075 1.95%
As 188.979†	3.2	0.00316	mg/L	0.003450	0.00316	mg/L	0.003450 109.06%
Ba 233.527†	1339.3	0.0225	mg/L	0.00024	0.0225	mg/L	0.00024 1.07%
Be 234.861†	270.6	-0.00006	mg/L	0.000110	-0.00006	mg/L	0.000110 174.59%
B 249.677†	1103.6	0.0340	mg/L	0.00131	0.0340	mg/L	0.00131 3.85%
Ca 227.546†	514.6	4.80	mg/L	0.166	4.80	mg/L	0.166 3.45%
Cd 228.802†	9.0	0.00063	mg/L	0.000155	0.00063	mg/L	0.000155 24.78%
Co 228.616†	10.0	0.00057	mg/L	0.000025	0.00057	mg/L	0.000025 4.44%
Cr 267.716†	75.1	0.00017	mg/L	0.000185	0.00017	mg/L	0.000185 106.54%
Cu 327.393†	9.2	0.00007	mg/L	0.000309	0.00007	mg/L	0.000309 469.87%
Fe 239.562†	1183.3	2.56	mg/L	0.046	2.56	mg/L	0.046 1.79%
Mg 279.077†	332.0	0.399	mg/L	0.0059	0.399	mg/L	0.0059 1.47%
Mn 257.610†	4868.9	0.0116	mg/L	0.00031	0.0116	mg/L	0.00031 2.67%
Mo 202.031†	5.1	0.00058	mg/L	0.000275	0.00058	mg/L	0.000275 47.70%
Ni 231.604†	1.0	0.00008	mg/L	0.000272	0.00008	mg/L	0.000272 342.49%
Pb 220.353†	-8.1	-0.00122	mg/L	0.000594	-0.00122	mg/L	0.000594 48.80%
Sb 206.836†	-0.9	0.00058	mg/L	0.001279	0.00058	mg/L	0.001279 221.79%
Se 196.026†	-1.6	-0.00162	mg/L	0.001563	-0.00162	mg/L	0.001563 96.16%
Si 251.611†	118190.1	3.46	mg/L	0.124	3.46	mg/L	0.124 3.59%
Sn 189.927†	1.1	-0.00066	mg/L	0.000463	-0.00066	mg/L	0.000463 69.83%
Ti 334.940†	3977.2	0.00548	mg/L	0.000393	0.00548	mg/L	0.000393 7.18%
Tl 190.801†	15.7	0.00938	mg/L	0.000292	0.00938	mg/L	0.000292 3.11%
V 290.880†	-189.4	0.00016	mg/L	0.000472	0.00016	mg/L	0.000472 299.06%
Zn 206.200†	184.9	0.00519	mg/L	0.000170	0.00519	mg/L	0.000170 3.27%
K 766.490†	3899.8	1.49	mg/L	0.010	1.49	mg/L	0.010 0.70%
Na 589.592†	80014.0	5.79	mg/L	0.045	5.79	mg/L	0.045 0.77%
Sr 407.771†	12640.9	0.0118	mg/L	0.00096	0.0118	mg/L	0.00096 8.16%
Li 670.784†	-91.5	-0.00019	mg/L	0.001649	-0.00019	mg/L	0.001649 847.81%

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Sequence No.: 108 **Autosampler Location: 126**
Sample ID: L1102026611 **Date Collected: 2/19/2011 3:41:51 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026611

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026611

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4694533.2						41492.40	0.88%
YRADIAL	301699.3						5180.04	1.72%
Ga 417.206	1063506.0						12244.01	1.15%
GaRADIAL	55169.0						788.54	1.43%
Ag 328.068†	205.8	-0.00372	mg/L	0.001835	-0.00372	mg/L	0.001835	49.30%
Al 396.153†	9576.5	1.92	mg/L	0.018	1.92	mg/L	0.018	0.91%
As 188.979†	50.0	0.0574	mg/L	0.00262	0.0574	mg/L	0.00262	4.56%
Ba 233.527†	8137.4	0.138	mg/L	0.0008	0.138	mg/L	0.0008	0.55%
Be 234.861†	15327.8	0.00570	mg/L	0.000622	0.00570	mg/L	0.000622	10.90%
B 249.677†	-9786.5	0.286	mg/L	0.0087	0.286	mg/L	0.0087	3.04%
Ca 227.546†	13067.5	123	mg/L	0.4	123	mg/L	0.4	0.31%
Cd 228.802†	15.7	0.00070	mg/L	0.000248	0.00070	mg/L	0.000248	35.49%
Co 228.616†	217.6	0.00854	mg/L	0.000117	0.00854	mg/L	0.000117	1.37%
Cr 267.716†	1903.0	0.0161	mg/L	0.00006	0.0161	mg/L	0.00006	0.39%
Cu 327.393†	5640.1	0.0505	mg/L	0.00049	0.0505	mg/L	0.00049	0.96%
Fe 239.562†	46697.9	101	mg/L	0.2	101	mg/L	0.2	0.16%
Mg 279.077†	14034.0	17.0	mg/L	0.07	17.0	mg/L	0.07	0.40%
Mn 257.610†	272449.6	0.630	mg/L	0.0031	0.630	mg/L	0.0031	0.50%
Mo 202.031†	-1.8	0.00507	mg/L	0.000327	0.00507	mg/L	0.000327	6.45%
Ni 231.604†	513.6	0.0150	mg/L	0.00011	0.0150	mg/L	0.00011	0.74%
Pb 220.353†	-19.5	-0.00185	mg/L	0.001112	-0.00185	mg/L	0.001112	60.05%
Sb 206.836†	15.9	0.0112	mg/L	0.00156	0.0112	mg/L	0.00156	13.89%
Se 196.026†	-109.8	-0.0135	mg/L	0.00628	-0.0135	mg/L	0.00628	46.44%
Si 251.611†	1302243.8	38.1	mg/L	0.22	38.1	mg/L	0.22	0.58%
Sn 189.927†	-22.0	-0.00464	mg/L	0.000700	-0.00464	mg/L	0.000700	15.08%
Ti 334.940†	19332.5	0.0278	mg/L	0.00025	0.0278	mg/L	0.00025	0.89%
Tl 190.801†	123.5	0.0636	mg/L	0.00655	0.0636	mg/L	0.00655	10.30%
V 290.880†	3072.0	0.0295	mg/L	0.00094	0.0295	mg/L	0.00094	3.19%

Zn 206.200†	1557.9	0.0446 mg/L	0.00054	0.0446 mg/L	0.00054	1.22%
K 766.490†	235454.4	91.5 mg/L	0.27	91.5 mg/L	0.27	0.30%
Na 589.592†	3282992.2	275 mg/L	7.4	275 mg/L	7.4	2.68%
Sr 407.771†	425469.9	0.404 mg/L	0.0181	0.404 mg/L	0.0181	4.48%
Li 670.784†	831.4	0.0113 mg/L	0.00132	0.0113 mg/L	0.00132	11.72%

Sequence No.: 109 **Autosampler Location: 127**
Sample ID: L1102026612 W356433-01 **Date Collected: 2/19/2011 3:47:36 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026612 W356433-01

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026612 W356433-01

	Mean Corrected	Calib.			Sample		
Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	5119102.3						43212.33	0.84%
YRADIAL	323059.4						11392.20	3.53%
Ga 417.206	1215164.5						6298.62	0.52%
GaRADIAL	59866.6						712.12	1.19%
Ag 328.068†	-53.7	-0.00006	mg/L	0.000605	-0.00006	mg/L	0.000605	>999.9%
Al 396.153†	1244.7	0.243	mg/L	0.0072	0.243	mg/L	0.0072	2.96%
As 188.979†	3.6	0.00383	mg/L	0.001348	0.00383	mg/L	0.001348	35.23%
Ba 233.527†	1192.2	0.0200	mg/L	0.00028	0.0200	mg/L	0.00028	1.42%
Be 234.861†	565.1	0.00008	mg/L	0.000055	0.00008	mg/L	0.000055	67.96%
B 249.677†	1404.8	0.0482	mg/L	0.00099	0.0482	mg/L	0.00099	2.06%
Ca 227.546†	359.1	3.34	mg/L	0.024	3.34	mg/L	0.024	0.73%
Cd 228.802†	6.3	0.00048	mg/L	0.000167	0.00048	mg/L	0.000167	35.06%
Co 228.616†	17.3	0.00090	mg/L	0.000169	0.00090	mg/L	0.000169	18.74%
Cr 267.716†	49.5	-0.00006	mg/L	0.000057	-0.00006	mg/L	0.000057	100.54%
Cu 327.393†	-159.3	-0.00090	mg/L	0.000993	-0.00090	mg/L	0.000993	110.20%
Fe 239.562†	2004.9	4.34	mg/L	0.095	4.34	mg/L	0.095	2.20%
Mg 279.077†	994.4	1.20	mg/L	0.038	1.20	mg/L	0.038	3.15%
Mn 257.610†	14395.1	0.0332	mg/L	0.00068	0.0332	mg/L	0.00068	2.05%
Mo 202.031†	0.6	0.00033	mg/L	0.000170	0.00033	mg/L	0.000170	51.23%
Ni 231.604†	0.0	0.00005	mg/L	0.000207	0.00005	mg/L	0.000207	378.77%
Pb 220.353†	-12.5	-0.00212	mg/L	0.000952	-0.00212	mg/L	0.000952	44.94%
Sb 206.836†	-0.0	0.00115	mg/L	0.000758	0.00115	mg/L	0.000758	66.07%
Se 196.026†	-4.4	-0.00333	mg/L	0.004755	-0.00333	mg/L	0.004755	142.74%
Si 251.611†	130685.1	3.82	mg/L	0.110	3.82	mg/L	0.110	2.87%
Sn 189.927†	0.2	-0.00081	mg/L	0.000501	-0.00081	mg/L	0.000501	61.56%
Ti 334.940†	2018.7	0.00277	mg/L	0.000300	0.00277	mg/L	0.000300	10.84%
Tl 190.801†	8.5	0.00526	mg/L	0.002380	0.00526	mg/L	0.002380	45.24%
V 290.880†	-70.2	0.00109	mg/L	0.000512	0.00109	mg/L	0.000512	46.86%
Zn 206.200†	132.1	0.00355	mg/L	0.000159	0.00355	mg/L	0.000159	4.47%
K 766.490†	2699.4	1.03	mg/L	0.021	1.03	mg/L	0.021	2.04%
Na 589.592†	116264.3	8.43	mg/L	0.084	8.43	mg/L	0.084	1.00%
Sr 407.771†	16977.1	0.0158	mg/L	0.00136	0.0158	mg/L	0.00136	8.60%
Li 670.784†	-118.5	-0.00053	mg/L	0.000382	-0.00053	mg/L	0.000382	72.13%

Sequence No.: 110 **Autosampler Location: 128**
Sample ID: L1102026612S WG356433-04 **Date Collected: 2/19/2011 3:54:15 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026612S WG356433-04

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026612S WG356433-04

	Mean Corrected	Calib.			Sample		
Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Y 371.029	5181254.8						53458.25	1.03%

YRADIAL	322140.8				3343.71	1.04%
Ga 417.206	1215443.8				16702.65	1.37%
GaRADIAL	59185.9				1090.66	1.84%
Ag 328.068†	44488.7	0.222 mg/L	0.0031	0.222 mg/L	0.0031	1.38%
Al 396.153†	30392.4	6.08 mg/L	0.040	6.08 mg/L	0.040	0.65%
As 188.979†	246.6	0.224 mg/L	0.0035	0.224 mg/L	0.0035	1.55%
Ba 233.527†	27975.3	0.475 mg/L	0.0026	0.475 mg/L	0.0026	0.54%
Be 234.861†	16967.5	0.0283 mg/L	0.00022	0.0283 mg/L	0.00022	0.76%
B 249.677†	59216.9	1.14 mg/L	0.013	1.14 mg/L	0.013	1.17%
Ca 227.546†	938.2	8.94 mg/L	0.041	8.94 mg/L	0.041	0.46%
Cd 228.802†	489.3	0.0268 mg/L	0.00027	0.0268 mg/L	0.00027	1.02%
Co 228.616†	1769.5	0.0896 mg/L	0.00068	0.0896 mg/L	0.00068	0.76%
Cr 267.716†	25386.2	0.224 mg/L	0.0006	0.224 mg/L	0.0006	0.26%
Cu 327.393†	40307.0	0.281 mg/L	0.0052	0.281 mg/L	0.0052	1.86%
Fe 239.562†	2787.2	6.04 mg/L	0.072	6.04 mg/L	0.072	1.20%
Mg 279.077†	4667.2	5.68 mg/L	0.059	5.68 mg/L	0.059	1.04%
Mn 257.610†	115391.1	0.263 mg/L	0.0011	0.263 mg/L	0.0011	0.40%
Mo 202.031†	6051.7	0.453 mg/L	0.0026	0.453 mg/L	0.0026	0.56%
Ni 231.604†	7725.6	0.225 mg/L	0.0016	0.225 mg/L	0.0016	0.73%
Pb 220.353†	1347.4	0.230 mg/L	0.0010	0.230 mg/L	0.0010	0.45%
Sb 206.836†	1069.2	0.688 mg/L	0.0080	0.688 mg/L	0.0080	1.17%
Se 196.026†	297.5	0.214 mg/L	0.0040	0.214 mg/L	0.0040	1.86%
Si 251.611†	230009.6	6.72 mg/L	0.070	6.72 mg/L	0.070	1.04%
Sn 189.927†	2817.0	0.485 mg/L	0.0034	0.485 mg/L	0.0034	0.69%
Ti 334.940†	341450.1	0.470 mg/L	0.0059	0.470 mg/L	0.0059	1.25%
Tl 190.801†	404.8	0.245 mg/L	0.0045	0.245 mg/L	0.0045	1.82%
V 290.880†	66277.9	0.445 mg/L	0.0008	0.445 mg/L	0.0008	0.18%
Zn 206.200†	14880.9	0.451 mg/L	0.0045	0.451 mg/L	0.0045	0.99%
K 766.490†	74292.1	28.3 mg/L	0.30	28.3 mg/L	0.30	1.07%
Na 589.592†	497213.3	36.5 mg/L	0.27	36.5 mg/L	0.27	0.74%
Sr 407.771†	425052.2	0.415 mg/L	0.0402	0.415 mg/L	0.0402	9.67%
Li 670.784†	45016.2	0.562 mg/L	0.0013	0.562 mg/L	0.0013	0.23%

Sequence No.: 111 **Autosampler Location: 129**
Sample ID: L1102026612SD WG356433-05 **Date Collected: 2/19/2011 4:00:56 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026612SD WG356433-05

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026612SD WG356433-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5104076.3						71340.37	1.40%
YRADIAL	321709.2						1801.74	0.56%
Ga 417.206	1183122.6						20302.77	1.72%
GaRADIAL	58896.0						1353.50	2.30%
Ag 328.068†	46366.5	0.231	mg/L	0.0064	0.231	mg/L	0.0064	2.78%
Al 396.153†	30606.7	6.12	mg/L	0.035	6.12	mg/L	0.035	0.56%
As 188.979†	254.5	0.231	mg/L	0.0045	0.231	mg/L	0.0045	1.93%
Ba 233.527†	29041.8	0.493	mg/L	0.0126	0.493	mg/L	0.0126	2.57%
Be 234.861†	17867.4	0.0299	mg/L	0.00082	0.0299	mg/L	0.00082	2.75%
B 249.677†	62388.2	1.20	mg/L	0.032	1.20	mg/L	0.032	2.65%
Ca 227.546†	965.6	9.21	mg/L	0.126	9.21	mg/L	0.126	1.37%
Cd 228.802†	505.0	0.0276	mg/L	0.00040	0.0276	mg/L	0.00040	1.46%
Co 228.616†	1807.8	0.0916	mg/L	0.00146	0.0916	mg/L	0.00146	1.60%
Cr 267.716†	26357.6	0.233	mg/L	0.0050	0.233	mg/L	0.0050	2.17%
Cu 327.393†	42113.4	0.293	mg/L	0.0082	0.293	mg/L	0.0082	2.79%
Fe 239.562†	2799.8	6.07	mg/L	0.074	6.07	mg/L	0.074	1.22%
Mg 279.077†	4693.4	5.71	mg/L	0.048	5.71	mg/L	0.048	0.84%
Mn 257.610†	121001.7	0.276	mg/L	0.0065	0.276	mg/L	0.0065	2.35%
Mo 202.031†	6256.9	0.468	mg/L	0.0081	0.468	mg/L	0.0081	1.74%
Ni 231.604†	8052.9	0.234	mg/L	0.0076	0.234	mg/L	0.0076	3.26%
Pb 220.353†	1375.4	0.235	mg/L	0.0040	0.235	mg/L	0.0040	1.72%
Sb 206.836†	1099.5	0.707	mg/L	0.0107	0.707	mg/L	0.0107	1.51%
Se 196.026†	304.0	0.219	mg/L	0.0045	0.219	mg/L	0.0045	2.04%
Si 251.611†	235206.6	6.87	mg/L	0.047	6.87	mg/L	0.047	0.68%

Sn 189.927†	2849.9	0.491	mg/L	0.0053	0.491	mg/L	0.0053 1.08%
Ti 334.940†	341998.5	0.470	mg/L	0.0019	0.470	mg/L	0.0019 0.40%
Tl 190.801†	402.3	0.243	mg/L	0.0006	0.243	mg/L	0.0006 0.25%
V 290.880†	68901.8	0.462	mg/L	0.0113	0.462	mg/L	0.0113 2.44%
Zn 206.200†	15421.6	0.468	mg/L	0.0117	0.468	mg/L	0.0117 2.49%
K 766.490†	74908.4	28.6	mg/L	0.24	28.6	mg/L	0.24 0.82%
Na 589.592†	500110.2	36.8	mg/L	0.56	36.8	mg/L	0.56 1.53%
Sr 407.771†	425885.9	0.416	mg/L	0.0354	0.416	mg/L	0.0354 8.50%
Li 670.784†	45080.9	0.562	mg/L	0.0012	0.562	mg/L	0.0012 0.21%

Sequence No.: 112 **Autosampler Location: 130**
Sample ID: L1102026613 **Date Collected: 2/19/2011 4:07:38 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026613

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026613

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5021282.7						21791.39	0.43%
YRADIAL	313296.2						9830.30	3.14%
Ga 417.206	1205071.6						13836.65	1.15%
GaRADIAL	57512.9						902.58	1.57%
Ag 328.068†	342.0	0.00186	mg/L	0.000626	0.00186	mg/L	0.000626	33.64%
Al 396.153†	1519.1	0.298	mg/L	0.0106	0.298	mg/L	0.0106	3.57%
As 188.979†	13.0	0.0102	mg/L	0.00541	0.0102	mg/L	0.00541	52.96%
Ba 233.527†	1741.0	0.0293	mg/L	0.00010	0.0293	mg/L	0.00010	0.34%
Be 234.861†	303.8	-0.00014	mg/L	0.000059	-0.00014	mg/L	0.000059	42.06%
B 249.677†	2658.9	0.0670	mg/L	0.00046	0.0670	mg/L	0.00046	0.69%
Ca 227.546†	11310.2	106	mg/L	0.6	106	mg/L	0.6	0.60%
Cd 228.802†	6.1	0.00040	mg/L	0.000009	0.00040	mg/L	0.000009	2.35%
Co 228.616†	5.5	0.00032	mg/L	0.000124	0.00032	mg/L	0.000124	38.59%
Cr 267.716†	81.5	0.00019	mg/L	0.000040	0.00019	mg/L	0.000040	20.79%
Cu 327.393†	-579.7	-0.00394	mg/L	0.000226	-0.00394	mg/L	0.000226	5.74%
Fe 239.562†	1520.2	3.29	mg/L	0.058	3.29	mg/L	0.058	1.76%
Mg 279.077†	6590.5	8.02	mg/L	0.151	8.02	mg/L	0.151	1.88%
Mn 257.610†	46783.8	0.108	mg/L	0.0003	0.108	mg/L	0.0003	0.32%
Mo 202.031†	15.5	0.00140	mg/L	0.000087	0.00140	mg/L	0.000087	6.20%
Ni 231.604†	-5.6	-0.00015	mg/L	0.000119	-0.00015	mg/L	0.000119	80.19%
Pb 220.353†	-23.8	0.00097	mg/L	0.000160	0.00097	mg/L	0.000160	16.49%
Sb 206.836†	7.2	0.00577	mg/L	0.001050	0.00577	mg/L	0.001050	18.21%
Se 196.026†	-33.3	0.00139	mg/L	0.002351	0.00139	mg/L	0.002351	169.42%
Si 251.611†	430706.6	12.6	mg/L	0.11	12.6	mg/L	0.11	0.86%
Sn 189.927†	11.2	0.00109	mg/L	0.000901	0.00109	mg/L	0.000901	82.82%
Ti 334.940†	2226.3	0.00409	mg/L	0.000484	0.00409	mg/L	0.000484	11.85%
Tl 190.801†	115.5	0.0594	mg/L	0.00339	0.0594	mg/L	0.00339	5.70%
V 290.880†	-481.5	-0.00174	mg/L	0.000211	-0.00174	mg/L	0.000211	12.08%
Zn 206.200†	202.3	0.00570	mg/L	0.000101	0.00570	mg/L	0.000101	1.77%
K 766.490†	12922.7	4.90	mg/L	0.087	4.90	mg/L	0.087	1.77%
Na 589.592†	197744.4	14.4	mg/L	0.15	14.4	mg/L	0.15	1.06%
Sr 407.771†	433121.0	0.424	mg/L	0.0350	0.424	mg/L	0.0350	8.25%
Li 670.784†	415.8	0.00612	mg/L	0.000583	0.00612	mg/L	0.000583	9.52%

Sequence No.: 113 **Autosampler Location: 131**
Sample ID: L1102026614 **Date Collected: 2/19/2011 4:14:19 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026614

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: L1102026614

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5216935.3						74826.52	1.43%
YRADIAL	316188.6						6311.19	2.00%
Ga 417.206	1222587.4						24212.64	1.98%
GaRADIAL	58396.1						545.57	0.93%
Ag 328.068†	-3.9	0.00019	mg/L	0.000645	0.00019	mg/L	0.000645	337.61%
Al 396.153†	965.0	0.187	mg/L	0.0021	0.187	mg/L	0.0021	1.15%
As 188.979†	3.9	0.00367	mg/L	0.002825	0.00367	mg/L	0.002825	76.89%
Ba 233.527†	2819.4	0.0475	mg/L	0.00058	0.0475	mg/L	0.00058	1.22%
Be 234.861†	584.0	0.00023	mg/L	0.000056	0.00023	mg/L	0.000056	24.30%
B 249.677†	680.4	0.0320	mg/L	0.00144	0.0320	mg/L	0.00144	4.52%
Ca 227.546†	2209.6	20.7	mg/L	0.33	20.7	mg/L	0.33	1.59%
Cd 228.802†	9.5	0.00064	mg/L	0.000122	0.00064	mg/L	0.000122	19.01%
Co 228.616†	0.2	0.00003	mg/L	0.000178	0.00003	mg/L	0.000178	644.03%
Cr 267.716†	248.5	0.00169	mg/L	0.000030	0.00169	mg/L	0.000030	1.76%
Cu 327.393†	-128.4	-0.00075	mg/L	0.001067	-0.00075	mg/L	0.001067	142.54%
Fe 239.562†	1747.6	3.79	mg/L	0.030	3.79	mg/L	0.030	0.79%
Mg 279.077†	1329.6	1.61	mg/L	0.021	1.61	mg/L	0.021	1.33%
Mn 257.610†	23512.2	0.0561	mg/L	0.00104	0.0561	mg/L	0.00104	1.86%
Mo 202.031†	4.1	0.00057	mg/L	0.000301	0.00057	mg/L	0.000301	52.97%
Ni 231.604†	18.2	0.00057	mg/L	0.000290	0.00057	mg/L	0.000290	50.86%
Pb 220.353†	-11.7	-0.00113	mg/L	0.000297	-0.00113	mg/L	0.000297	26.28%
Sb 206.836†	3.6	0.00342	mg/L	0.001739	0.00342	mg/L	0.001739	50.84%
Se 196.026†	-18.6	-0.00931	mg/L	0.004601	-0.00931	mg/L	0.004601	49.42%
Si 251.611†	522136.1	15.3	mg/L	0.11	15.3	mg/L	0.11	0.73%
Sn 189.927†	4.5	-0.00007	mg/L	0.000454	-0.00007	mg/L	0.000454	625.57%
Ti 334.940†	2529.1	0.00365	mg/L	0.000249	0.00365	mg/L	0.000249	6.82%
Tl 190.801†	40.6	0.0227	mg/L	0.00125	0.0227	mg/L	0.00125	5.51%
V 290.880†	39.0	0.00178	mg/L	0.000360	0.00178	mg/L	0.000360	20.21%
Zn 206.200†	199.7	0.00562	mg/L	0.000168	0.00562	mg/L	0.000168	2.99%
K 766.490†	31358.9	11.9	mg/L	0.11	11.9	mg/L	0.11	0.95%
Na 589.592†	167424.7	12.2	mg/L	0.07	12.2	mg/L	0.07	0.61%
Sr 407.771†	134773.9	0.131	mg/L	0.0123	0.131	mg/L	0.0123	9.37%
Li 670.784†	520.0	0.00742	mg/L	0.000896	0.00742	mg/L	0.000896	12.07%

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Sequence No.: 114 **Autosampler Location: 4**
Sample ID: CCV **Date Collected: 2/19/2011 4:21:00 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4984575.6						78298.33	1.57%
YRADIAL	309475.1						7600.95	2.46%
Ga 417.206	1141122.6						21431.53	1.88%
GaRADIAL	56147.9						654.46	1.17%
Ag 328.068†	95302.3	0.475	mg/L	0.0087	0.475	mg/L	0.0087	1.84%
Al 396.153†	60150.0	12.0	mg/L	0.04	12.0	mg/L	0.04	0.37%
As 188.979†	521.7	0.474	mg/L	0.0056	0.474	mg/L	0.0056	1.18%
Ba 233.527†	56800.0	0.964	mg/L	0.0121	0.964	mg/L	0.0121	1.26%
Be 234.861†	35935.3	0.0619	mg/L	0.00140	0.0619	mg/L	0.00140	2.27%
B 249.677†	31491.3	0.600	mg/L	0.0080	0.600	mg/L	0.0080	1.33%
Ca 227.546†	1217.9	11.7	mg/L	0.12	11.7	mg/L	0.12	1.06%
Cd 228.802†	1043.9	0.0569	mg/L	0.00097	0.0569	mg/L	0.00097	1.70%
Co 228.616†	3660.1	0.185	mg/L	0.0022	0.185	mg/L	0.0022	1.17%
Cr 267.716†	54002.9	0.477	mg/L	0.0077	0.477	mg/L	0.0077	1.61%
Cu 327.393†	86231.0	0.600	mg/L	0.0106	0.600	mg/L	0.0106	1.76%
Fe 239.562†	1691.5	3.66	mg/L	0.066	3.66	mg/L	0.066	1.80%
Mg 279.077†	7596.8	9.25	mg/L	0.199	9.25	mg/L	0.199	2.15%
Mn 257.610†	213659.1	0.487	mg/L	0.0073	0.487	mg/L	0.0073	1.51%
Mo 202.031†	12862.0	0.962	mg/L	0.0127	0.962	mg/L	0.0127	1.33%
Ni 231.604†	16428.5	0.478	mg/L	0.0058	0.478	mg/L	0.0058	1.22%

Pb 220.353†	2824.9	0.482	mg/L	0.0067	0.482	mg/L	0.0067 1.40%
Sb 206.836†	2278.8	1.46	mg/L	0.025	1.46	mg/L	0.025 1.71%
Se 196.026†	656.4	0.470	mg/L	0.0021	0.470	mg/L	0.0021 0.46%
Si 251.611†	205112.8	5.99	mg/L	0.098	5.99	mg/L	0.098 1.63%
Sn 189.927†	5502.0	0.949	mg/L	0.0118	0.949	mg/L	0.0118 1.24%
Ti 334.940†	700750.3	0.964	mg/L	0.0053	0.964	mg/L	0.0053 0.55%
Tl 190.801†	812.8	0.492	mg/L	0.0080	0.492	mg/L	0.0080 1.63%
V 290.880†	140867.1	0.943	mg/L	0.0123	0.943	mg/L	0.0123 1.31%
Zn 206.200†	31930.3	0.969	mg/L	0.0165	0.969	mg/L	0.0165 1.70%
K 766.490†	151393.3	58.3	mg/L	0.33	58.3	mg/L	0.33 0.56%
Na 589.592†	796339.3	59.2	mg/L	0.74	59.2	mg/L	0.74 1.25%
Sr 407.771†	838618.9	0.821	mg/L	0.0683	0.821	mg/L	0.0683 8.32%
Li 670.784†	93302.0	1.16	mg/L	0.015	1.16	mg/L	0.015 1.26%

Sequence No.: 115 **Autosampler Location: 5**
Sample ID: CCB **Date Collected: 2/19/2011 4:27:46 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5225350.9						45028.59	0.86%
YRADIAL	319857.6						5435.87	1.70%
Ga 417.206	1180586.1						11119.50	0.94%
GaRADIAL	57330.3						713.63	1.24%
Ag 328.068†	97.6	0.00091	mg/L	0.000836	0.00091	mg/L	0.000836	91.67%
Al 396.153†	-69.4	-0.0209	mg/L	0.01204	-0.0209	mg/L	0.01204	57.64%
As 188.979†	-1.3	-0.00119	mg/L	0.002899	-0.00119	mg/L	0.002899	244.61%
Ba 233.527†	9.2	-0.00004	mg/L	0.000063	-0.00004	mg/L	0.000063	155.45%
Be 234.861†	-163.5	-0.00029	mg/L	0.000018	-0.00029	mg/L	0.000018	6.20%
B 249.677†	197.1	0.00541	mg/L	0.000253	0.00541	mg/L	0.000253	4.67%
Ca 227.546†	-7.1	-0.120	mg/L	0.0314	-0.120	mg/L	0.0314	26.23%
Cd 228.802†	5.2	0.00044	mg/L	0.000090	0.00044	mg/L	0.000090	20.17%
Co 228.616†	5.5	0.00042	mg/L	0.000170	0.00042	mg/L	0.000170	40.35%
Cr 267.716†	-4.5	-0.00052	mg/L	0.000069	-0.00052	mg/L	0.000069	13.31%
Cu 327.393†	27.2	-0.00011	mg/L	0.000316	-0.00011	mg/L	0.000316	285.78%
Fe 239.562†	1.3	-0.00116	mg/L	0.001337	-0.00116	mg/L	0.001337	115.55%
Mg 279.077†	-8.2	-0.0137	mg/L	0.00065	-0.0137	mg/L	0.00065	4.76%
Mn 257.610†	30.2	-0.00020	mg/L	0.000025	-0.00020	mg/L	0.000025	12.45%
Mo 202.031†	2.4	0.00025	mg/L	0.000209	0.00025	mg/L	0.000209	84.78%
Ni 231.604†	-11.9	-0.00029	mg/L	0.000113	-0.00029	mg/L	0.000113	38.71%
Pb 220.353†	-8.6	-0.00143	mg/L	0.001292	-0.00143	mg/L	0.001292	90.02%
Sb 206.836†	0.4	0.00144	mg/L	0.001411	0.00144	mg/L	0.001411	98.00%
Se 196.026†	0.4	-0.00231	mg/L	0.003690	-0.00231	mg/L	0.003690	159.83%
Si 251.611†	191.0	0.00509	mg/L	0.000385	0.00509	mg/L	0.000385	7.56%
Sn 189.927†	2.9	-0.00034	mg/L	0.000552	-0.00034	mg/L	0.000552	160.81%
Ti 334.940†	282.1	0.00035	mg/L	0.000117	0.00035	mg/L	0.000117	33.39%
Tl 190.801†	3.6	0.00260	mg/L	0.000829	0.00260	mg/L	0.000829	31.90%
V 290.880†	-435.6	-0.00168	mg/L	0.000722	-0.00168	mg/L	0.000722	42.85%
Zn 206.200†	22.1	0.00032	mg/L	0.000088	0.00032	mg/L	0.000088	27.73%
K 766.490†	205.2	0.0959	mg/L	0.04797	0.0959	mg/L	0.04797	50.02%
Na 589.592†	-291.1	-0.0179	mg/L	0.00513	-0.0179	mg/L	0.00513	28.67%
Sr 407.771†	233.6	-0.00005	mg/L	0.000152	-0.00005	mg/L	0.000152	321.73%
Li 670.784†	-106.6	-0.00038	mg/L	0.000413	-0.00038	mg/L	0.000413	107.98%

Sequence No.: 116 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/19/2011 4:34:26 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5201733.3						41068.33	0.79%
YRADIAL	319868.5						5637.57	1.76%
Ga 417.206	1160828.7						19861.43	1.71%
GaRADIAL	57364.1						493.14	0.86%
Ag 328.068†	2162.2	0.0112	mg/L	0.00055	0.0112	mg/L	0.00055	4.94%
Al 396.153†	1223.8	0.238	mg/L	0.0030	0.238	mg/L	0.0030	1.25%
As 188.979†	10.9	0.00993	mg/L	0.001941	0.00993	mg/L	0.001941	19.54%
Ba 233.527†	1167.3	0.0196	mg/L	0.00023	0.0196	mg/L	0.00023	1.19%
Be 234.861†	554.2	0.00095	mg/L	0.000030	0.00095	mg/L	0.000030	3.19%
B 249.677†	755.9	0.0160	mg/L	0.00075	0.0160	mg/L	0.00075	4.67%
Ca 227.546†	19.6	0.138	mg/L	0.0014	0.138	mg/L	0.0014	0.99%
Cd 228.802†	30.1	0.00179	mg/L	0.000080	0.00179	mg/L	0.000080	4.48%
Co 228.616†	84.5	0.00442	mg/L	0.000156	0.00442	mg/L	0.000156	3.52%
Cr 267.716†	1139.9	0.00960	mg/L	0.000115	0.00960	mg/L	0.000115	1.20%
Cu 327.393†	1622.3	0.0110	mg/L	0.00115	0.0110	mg/L	0.00115	10.46%
Fe 239.562†	32.2	0.0660	mg/L	0.00329	0.0660	mg/L	0.00329	4.99%
Mg 279.077†	145.9	0.174	mg/L	0.0042	0.174	mg/L	0.0042	2.40%
Mn 257.610†	4417.8	0.00980	mg/L	0.000180	0.00980	mg/L	0.000180	1.84%
Mo 202.031†	266.9	0.0200	mg/L	0.00037	0.0200	mg/L	0.00037	1.82%
Ni 231.604†	335.7	0.00982	mg/L	0.000330	0.00982	mg/L	0.000330	3.36%
Pb 220.353†	57.6	0.00985	mg/L	0.000933	0.00985	mg/L	0.000933	9.47%
Sb 206.836†	45.8	0.0306	mg/L	0.00279	0.0306	mg/L	0.00279	9.13%
Se 196.026†	14.2	0.00764	mg/L	0.004073	0.00764	mg/L	0.004073	53.34%
Si 251.611†	4364.2	0.127	mg/L	0.0009	0.127	mg/L	0.0009	0.73%
Sn 189.927†	121.6	0.0201	mg/L	0.00075	0.0201	mg/L	0.00075	3.73%
Ti 334.940†	14376.9	0.0197	mg/L	0.00030	0.0197	mg/L	0.00030	1.51%
Tl 190.801†	18.2	0.0114	mg/L	0.00268	0.0114	mg/L	0.00268	23.38%
V 290.880†	2447.1	0.0176	mg/L	0.00085	0.0176	mg/L	0.00085	4.81%
Zn 206.200†	704.1	0.0210	mg/L	0.00022	0.0210	mg/L	0.00022	1.03%
K 766.490†	3343.9	1.28	mg/L	0.036	1.28	mg/L	0.036	2.83%
Na 589.592†	16429.5	1.19	mg/L	0.013	1.19	mg/L	0.013	1.11%
Sr 407.771†	17110.8	0.0165	mg/L	0.00129	0.0165	mg/L	0.00129	7.80%
Li 670.784†	1914.1	0.0248	mg/L	0.00241	0.0248	mg/L	0.00241	9.73%

Sequence No.: 117 **Autosampler Location: 132**
Sample ID: L1102026615 **Date Collected: 2/19/2011 4:41:04 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026615

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026615

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5025480.7						50364.26	1.00%
YRADIAL	310323.7						7027.42	2.26%
Ga 417.206	1179151.0						13070.37	1.11%
GaRADIAL	57010.8						1436.41	2.52%
Ag 328.068†	655.2	0.00341	mg/L	0.000777	0.00341	mg/L	0.000777	22.82%
Al 396.153†	2358.6	0.466	mg/L	0.0076	0.466	mg/L	0.0076	1.62%
As 188.979†	21.5	0.0174	mg/L	0.00414	0.0174	mg/L	0.00414	23.85%
Ba 233.527†	3040.9	0.0513	mg/L	0.00063	0.0513	mg/L	0.00063	1.22%
Be 234.861†	371.7	-0.00005	mg/L	0.000099	-0.00005	mg/L	0.000099	180.82%
B 249.677†	2650.4	0.0673	mg/L	0.00108	0.0673	mg/L	0.00108	1.61%
Ca 227.546†	14566.9	137	mg/L	1.6	137	mg/L	1.6	1.20%
Cd 228.802†	4.7	0.00027	mg/L	0.000092	0.00027	mg/L	0.000092	33.54%
Co 228.616†	7.4	0.00039	mg/L	0.000198	0.00039	mg/L	0.000198	51.30%
Cr 267.716†	132.4	0.00065	mg/L	0.000075	0.00065	mg/L	0.000075	11.62%
Cu 327.393†	-398.7	-0.00265	mg/L	0.000963	-0.00265	mg/L	0.000963	36.30%
Fe 239.562†	1587.1	3.44	mg/L	0.071	3.44	mg/L	0.071	2.05%

Mg 279.077†	5543.2	6.74 mg/L	0.136	6.74 mg/L	0.136	2.01%
Mn 257.610†	36400.1	0.0852 mg/L	0.00142	0.0852 mg/L	0.00142	1.66%
Mo 202.031†	35.5	0.00290 mg/L	0.000633	0.00290 mg/L	0.000633	21.79%
Ni 231.604†	137.0	0.00400 mg/L	0.000239	0.00400 mg/L	0.000239	5.98%
Pb 220.353†	-23.8	0.00246 mg/L	0.000446	0.00246 mg/L	0.000446	18.13%
Sb 206.836†	15.9	0.0113 mg/L	0.00243	0.0113 mg/L	0.00243	21.43%
Se 196.026†	-39.6	0.00459 mg/L	0.007951	0.00459 mg/L	0.007951	173.06%
Si 251.611†	514511.7	15.1 mg/L	0.01	15.1 mg/L	0.01	0.07%
Sn 189.927†	6.1	0.00020 mg/L	0.000521	0.00020 mg/L	0.000521	256.38%
Ti 334.940†	7376.9	0.0115 mg/L	0.00209	0.0115 mg/L	0.00209	18.17%
Tl 190.801†	129.4	0.0649 mg/L	0.00016	0.0649 mg/L	0.00016	0.24%
V 290.880†	-150.1	0.00048 mg/L	0.001065	0.00048 mg/L	0.001065	220.89%
Zn 206.200†	1568.5	0.0471 mg/L	0.00045	0.0471 mg/L	0.00045	0.96%
K 766.490†	16294.4	6.18 mg/L	0.078	6.18 mg/L	0.078	1.26%
Na 589.592†	185261.3	13.5 mg/L	0.23	13.5 mg/L	0.23	1.71%
Sr 407.771†	489569.3	0.479 mg/L	0.0398	0.479 mg/L	0.0398	8.31%
Li 670.784†	959.5	0.0129 mg/L	0.00027	0.0129 mg/L	0.00027	2.13%

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Sequence No.: 118 **Autosampler Location: 133**
Sample ID: L1102026616 **Date Collected: 2/19/2011 4:47:50 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026616

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102026616

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4726415.0						53707.02	1.14%
YRADIAL	315529.7						3840.92	1.22%
Ga 417.206	1069211.2						19531.32	1.83%
GaRADIAL	55297.0						1141.49	2.06%
Ag 328.068†	734.5	0.00269	mg/L	0.002755	0.00269	mg/L	0.002755	102.41%
Al 396.153†	11052.8	2.21	mg/L	0.036	2.21	mg/L	0.036	1.63%
As 188.979†	26.4	0.0252	mg/L	0.00655	0.0252	mg/L	0.00655	26.00%
Ba 233.527†	6350.0	0.107	mg/L	0.0011	0.107	mg/L	0.0011	1.03%
Be 234.861†	3902.6	0.00134	mg/L	0.000350	0.00134	mg/L	0.000350	26.12%
B 249.677†	-404.5	0.115	mg/L	0.0061	0.115	mg/L	0.0061	5.31%
Ca 227.546†	14050.8	132	mg/L	1.2	132	mg/L	1.2	0.89%
Cd 228.802†	19.0	0.00111	mg/L	0.000159	0.00111	mg/L	0.000159	14.39%
Co 228.616†	159.4	0.00747	mg/L	0.000161	0.00747	mg/L	0.000161	2.16%
Cr 267.716†	2775.7	0.0239	mg/L	0.00034	0.0239	mg/L	0.00034	1.44%
Cu 327.393†	13611.1	0.0972	mg/L	0.00439	0.0972	mg/L	0.00439	4.51%
Fe 239.562†	12208.1	26.5	mg/L	0.64	26.5	mg/L	0.64	2.43%
Mg 279.077†	9369.2	11.4	mg/L	0.28	11.4	mg/L	0.28	2.48%
Mn 257.610†	161656.1	0.374	mg/L	0.0086	0.374	mg/L	0.0086	2.30%
Mo 202.031†	35.4	0.00409	mg/L	0.000504	0.00409	mg/L	0.000504	12.33%
Ni 231.604†	1790.5	0.0521	mg/L	0.00022	0.0521	mg/L	0.00022	0.43%
Pb 220.353†	80.7	0.0188	mg/L	0.00126	0.0188	mg/L	0.00126	6.72%
Sb 206.836†	17.7	0.0124	mg/L	0.00365	0.0124	mg/L	0.00365	29.55%
Se 196.026†	-67.4	-0.00838	mg/L	0.004111	-0.00838	mg/L	0.004111	49.03%
Si 251.611†	1068358.8	31.3	mg/L	0.27	31.3	mg/L	0.27	0.85%
Sn 189.927†	4.8	-0.00002	mg/L	0.001663	-0.00002	mg/L	0.001663	>999.9%
Ti 334.940†	38035.4	0.0536	mg/L	0.00173	0.0536	mg/L	0.00173	3.24%
Tl 190.801†	130.1	0.0667	mg/L	0.00500	0.0667	mg/L	0.00500	7.50%
V 290.880†	2820.2	0.0221	mg/L	0.00061	0.0221	mg/L	0.00061	2.74%
Zn 206.200†	4383.8	0.132	mg/L	0.0015	0.132	mg/L	0.0015	1.10%
K 766.490†	210145.4	81.5	mg/L	0.56	81.5	mg/L	0.56	0.69%
Na 589.592†	1606042.0	124	mg/L	1.8	124	mg/L	1.8	1.43%
Sr 407.771†	241527.6	0.233	mg/L	0.0082	0.233	mg/L	0.0082	3.50%
Li 670.784†	1069.6	0.0143	mg/L	0.00141	0.0143	mg/L	0.00141	9.87%

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Sequence No.: 119 **Autosampler Location: 134**
Sample ID: FBLK **Date Collected: 2/19/2011 4:53:34 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**

Dilution: **Sample Prep Vol:**

Nebulizer Parameters: FBLK

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: FBLK

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5265313.0						75648.42	1.44%
YRADIAL	328758.2						2603.67	0.79%
Ga 417.206	1246684.6						19107.10	1.53%
GaRADIAL	59953.4						431.87	0.72%
Ag 328.068†	-55.8	0.00015	mg/L	0.000529	0.00015	mg/L	0.000529	348.49%
Al 396.153†	39.7	0.00098	mg/L	0.022214	0.00098	mg/L	0.022214	>999.9%
As 188.979†	0.7	0.00068	mg/L	0.003270	0.00068	mg/L	0.003270	480.86%
Ba 233.527†	8.9	-0.00004	mg/L	0.000073	-0.00004	mg/L	0.000073	165.32%
Be 234.861†	-107.8	-0.00019	mg/L	0.000021	-0.00019	mg/L	0.000021	11.01%
B 249.677†	92.0	0.00339	mg/L	0.000107	0.00339	mg/L	0.000107	3.15%
Ca 227.546†	-2.1	-0.0740	mg/L	0.02964	-0.0740	mg/L	0.02964	40.06%
Cd 228.802†	4.3	0.00038	mg/L	0.000149	0.00038	mg/L	0.000149	39.06%
Co 228.616†	4.3	0.00036	mg/L	0.000140	0.00036	mg/L	0.000140	39.22%
Cr 267.716†	-17.6	-0.00063	mg/L	0.000057	-0.00063	mg/L	0.000057	8.92%
Cu 327.393†	-20.1	-0.00044	mg/L	0.000573	-0.00044	mg/L	0.000573	130.61%
Fe 239.562†	-0.1	-0.00406	mg/L	0.004544	-0.00406	mg/L	0.004544	111.95%
Mg 279.077†	-10.5	-0.0165	mg/L	0.00395	-0.0165	mg/L	0.00395	23.96%
Mn 257.610†	8.2	-0.00015	mg/L	0.000024	-0.00015	mg/L	0.000024	15.68%
Mo 202.031†	2.1	0.00022	mg/L	0.000338	0.00022	mg/L	0.000338	153.39%
Ni 231.604†	-9.9	-0.00023	mg/L	0.000069	-0.00023	mg/L	0.000069	29.73%
Pb 220.353†	-10.5	-0.00175	mg/L	0.000368	-0.00175	mg/L	0.000368	21.00%
Sb 206.836†	-0.4	0.00088	mg/L	0.002336	0.00088	mg/L	0.002336	264.49%
Se 196.026†	0.6	-0.00218	mg/L	0.002061	-0.00218	mg/L	0.002061	94.68%
Si 251.611†	18512.6	0.541	mg/L	0.0130	0.541	mg/L	0.0130	2.40%
Sn 189.927†	-0.5	-0.00093	mg/L	0.000598	-0.00093	mg/L	0.000598	64.18%
Ti 334.940†	196.2	0.00023	mg/L	0.000044	0.00023	mg/L	0.000044	18.77%
Tl 190.801†	1.7	0.00147	mg/L	0.002449	0.00147	mg/L	0.002449	166.79%
V 290.880†	-305.2	-0.00081	mg/L	0.000321	-0.00081	mg/L	0.000321	39.56%
Zn 206.200†	33.6	0.00066	mg/L	0.000142	0.00066	mg/L	0.000142	21.36%
K 766.490†	197.4	0.0929	mg/L	0.03697	0.0929	mg/L	0.03697	39.78%
Na 589.592†	-177.1	-0.00967	mg/L	0.013703	-0.00967	mg/L	0.013703	141.68%
Sr 407.771†	39.0	-0.00024	mg/L	0.000070	-0.00024	mg/L	0.000070	29.47%
Li 670.784†	-95.5	-0.00024	mg/L	0.000542	-0.00024	mg/L	0.000542	222.84%

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Sequence No.: 120 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/19/2011 5:00:22 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	167.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	4920071.4						88678.23	1.80%
YRADIAL	304495.5						7592.36	2.49%
Ga 417.206	1106774.6						31863.06	2.88%
GaRADIAL	55158.8						262.66	0.48%
Ag 328.068†	98389.7	0.490	mg/L	0.0154	0.490	mg/L	0.0154	3.14%
QC value greater than the upper limit for Ag 328.068 Recovery = 122.50%								
Al 396.153†	61217.7	12.3	mg/L	0.02	12.3	mg/L	0.02	0.14%
QC value greater than the upper limit for Al 396.153 Recovery = 122.51%								
As 188.979†	546.9	0.496	mg/L	0.0124	0.496	mg/L	0.0124	2.51%
QC value greater than the upper limit for As 188.979 Recovery = 124.12%								
Ba 233.527†	57545.5	0.976	mg/L	0.0154	0.976	mg/L	0.0154	1.58%
QC value within limits for Ba 233.527 Recovery = 97.65%								

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Be 234.861†            37069.1      0.0638 mg/L       0.00199      0.0638 mg/L       0.00199   3.12%
   QC value greater than the upper limit for Be 234.861  Recovery = 127.61%
B 249.677†             32183.2       0.613 mg/L        0.0194       0.613 mg/L        0.0194   3.17%
   QC value greater than the upper limit for B 249.677  Recovery = 122.56%
Ca 227.546†             1264.5        12.2 mg/L          0.33        12.2 mg/L          0.33   2.69%
   QC value greater than the upper limit for Ca 227.546  Recovery = 121.74%
Cd 228.802†             1083.1      0.0590 mg/L       0.00168      0.0590 mg/L       0.00168   2.85%
   QC value greater than the upper limit for Cd 228.802  Recovery = 118.01%
Co 228.616†             3741.9       0.190 mg/L        0.0028       0.190 mg/L        0.0028   1.48%
   QC value within limits for Co 228.616  Recovery = 94.80%
Cr 267.716†            54821.0       0.484 mg/L        0.0082       0.484 mg/L        0.0082   1.70%
   QC value within limits for Cr 267.716  Recovery = 96.84%
Cu 327.393†            88642.2       0.616 mg/L        0.0199       0.616 mg/L        0.0199   3.23%
   QC value greater than the upper limit for Cu 327.393  Recovery = 123.26%
Fe 239.562†             1716.2        3.72 mg/L         0.036        3.72 mg/L         0.036   0.98%
   QC value within limits for Fe 239.562  Recovery = 92.90%
Mg 279.077†             7713.4        9.39 mg/L         0.132        9.39 mg/L         0.132   1.40%
   QC value within limits for Mg 279.077  Recovery = 93.90%
Mn 257.610†           216341.8       0.493 mg/L        0.0087       0.493 mg/L        0.0087   1.77%
   QC value within limits for Mn 257.610  Recovery = 98.57%
Mo 202.031†            13084.6       0.979 mg/L        0.0194       0.979 mg/L        0.0194   1.98%
   QC value within limits for Mo 202.031  Recovery = 97.86%
Ni 231.604†            16639.0       0.484 mg/L        0.0061       0.484 mg/L        0.0061   1.26%
   QC value within limits for Ni 231.604  Recovery = 96.85%
Pb 220.353†             2902.8       0.495 mg/L        0.0069       0.495 mg/L        0.0069   1.39%
   QC value within limits for Pb 220.353  Recovery = 99.03%
Sb 206.836†             2369.1        1.52 mg/L         0.038        1.52 mg/L         0.038   2.50%
   QC value greater than the upper limit for Sb 206.836  Recovery = 126.83%
Se 196.026†              678.6       0.486 mg/L        0.0154       0.486 mg/L        0.0154   3.17%
   QC value greater than the upper limit for Se 196.026  Recovery = 121.56%
Si 251.611†           211617.2        6.18 mg/L         0.203        6.18 mg/L         0.203   3.29%
   QC value greater than the upper limit for Si 251.611  Recovery = 123.50%
Sn 189.927†             5639.5       0.972 mg/L        0.0153       0.972 mg/L        0.0153   1.58%
   QC value within limits for Sn 189.927  Recovery = 97.25%
Ti 334.940†           704453.3       0.969 mg/L        0.0064       0.969 mg/L        0.0064   0.66%
   QC value within limits for Ti 334.940  Recovery = 96.86%
Tl 190.801†              824.4       0.499 mg/L        0.0082       0.499 mg/L        0.0082   1.65%
   QC value within limits for Tl 190.801  Recovery = 99.78%
V 290.880†            142698.2       0.956 mg/L        0.0182       0.956 mg/L        0.0182   1.90%
   QC value within limits for V 290.880  Recovery = 95.57%
Zn 206.200†            32607.5       0.989 mg/L        0.0110       0.989 mg/L        0.0110   1.11%
   QC value within limits for Zn 206.200  Recovery = 98.93%
K 766.490†            154159.8        59.4 mg/L          0.31        59.4 mg/L          0.31   0.52%
   QC value greater than the upper limit for K 766.490  Recovery = 118.78%
Na 589.592†           815910.0        60.7 mg/L          0.90        60.7 mg/L          0.90   1.49%
   QC value greater than the upper limit for Na 589.592  Recovery = 121.46%
Sr 407.771†           846675.1       0.829 mg/L        0.0787       0.829 mg/L        0.0787   9.49%
   QC value less than the lower limit for Sr 407.771  Recovery = 82.89%
Li 670.784†            94653.4        1.18 mg/L         0.007        1.18 mg/L         0.007   0.57%
   QC value greater than the upper limit for Li 670.784  Recovery = 117.98%
QC Failed.  Continue with analysis.
```

Sequence No.: 121 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/19/2011 5:07:01 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5271588.1						77378.99	1.47%
YRADIAL	328039.0						4939.71	1.51%
Ga 417.206	1179189.6						13917.45	1.18%
GaRADIAL	58692.6						609.09	1.04%
Ag 328.068†	-14.1	0.00036	mg/L	0.000978	0.00036	mg/L	0.000978	273.30%

```
   QC value within limits for Ag 328.068  Recovery = Not calculated
Al 396.153†              -28.2     -0.0126 mg/L       0.00321     -0.0126 mg/L       0.00321  25.40%
   QC value within limits for Al 396.153  Recovery = Not calculated
As 188.979†               0.7     0.00069 mg/L      0.001413     0.00069 mg/L      0.001413 204.51%
   QC value within limits for As 188.979  Recovery = Not calculated
Ba 233.527†              10.7    -0.00001 mg/L      0.000049    -0.00001 mg/L      0.000049 338.90%
   QC value within limits for Ba 233.527  Recovery = Not calculated
Be 234.861†            -179.7    -0.00031 mg/L      0.000008    -0.00031 mg/L      0.000008   2.42%
   QC value within limits for Be 234.861  Recovery = Not calculated
B 249.677†              152.1     0.00456 mg/L      0.000189     0.00456 mg/L      0.000189   4.15%
   QC value within limits for B 249.677  Recovery = Not calculated
Ca 227.546†              -5.6      -0.106 mg/L        0.0849      -0.106 mg/L        0.0849  80.37%
   QC value less than the lower limit for Ca 227.546  Recovery = Not calculated
Cd 228.802†               4.3     0.00038 mg/L      0.000023     0.00038 mg/L      0.000023   6.01%
   QC value within limits for Cd 228.802  Recovery = Not calculated
Co 228.616†               2.8     0.00028 mg/L      0.000197     0.00028 mg/L      0.000197  69.97%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 267.716†              -2.7    -0.00050 mg/L      0.000122    -0.00050 mg/L      0.000122  24.19%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cu 327.393†            -129.0    -0.00119 mg/L      0.000244    -0.00119 mg/L      0.000244  20.43%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 239.562†               1.3    -0.00113 mg/L      0.001499    -0.00113 mg/L      0.001499 132.66%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Mg 279.077†              -6.3     -0.0114 mg/L       0.00500     -0.0114 mg/L       0.00500  43.95%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†              15.6    -0.00023 mg/L      0.000026    -0.00023 mg/L      0.000026  11.29%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†               4.6     0.00041 mg/L      0.000291     0.00041 mg/L      0.000291  71.05%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Ni 231.604†             -11.0    -0.00026 mg/L      0.000134    -0.00026 mg/L      0.000134  50.78%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†              -8.8    -0.00148 mg/L      0.001393    -0.00148 mg/L      0.001393  94.44%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               0.4     0.00139 mg/L      0.001378     0.00139 mg/L      0.001378  99.28%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†              -1.8    -0.00390 mg/L      0.005921    -0.00390 mg/L      0.005921 151.89%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†             363.7      0.0101 mg/L       0.00039      0.0101 mg/L       0.00039   3.85%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†               1.4    -0.00060 mg/L      0.000586    -0.00060 mg/L      0.000586  97.98%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 334.940†              237.4     0.00029 mg/L      0.000037     0.00029 mg/L      0.000037  13.01%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†               1.5     0.00137 mg/L      0.001385     0.00137 mg/L      0.001385 100.96%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†              -350.4    -0.00112 mg/L      0.000885    -0.00112 mg/L      0.000885  79.35%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†              16.4     0.00015 mg/L      0.000126     0.00015 mg/L      0.000126  86.62%
   QC value within limits for Zn 206.200  Recovery = Not calculated
K 766.490†               247.9       0.112 mg/L        0.0236       0.112 mg/L        0.0236  21.05%
   QC value within limits for K 766.490  Recovery = Not calculated
Na 589.592†             -284.0     -0.0174 mg/L       0.01568     -0.0174 mg/L       0.01568  90.18%
   QC value within limits for Na 589.592  Recovery = Not calculated
Sr 407.771†              153.8    -0.00013 mg/L      0.000121    -0.00013 mg/L      0.000121  96.59%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Li 670.784†               6.4     0.00103 mg/L      0.001722     0.00103 mg/L      0.001722 167.89%
   QC value within limits for Li 670.784  Recovery = Not calculated
QC Failed.  Continue with analysis.
```

Sequence No.: 122 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/19/2011 5:13:37 AM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5173904.9						47943.23	0.93%
YRADIAL	318445.6						5670.93	1.78%
Ga 417.206	1161606.7						13702.39	1.18%
GaRADIAL	57182.7						1749.58	3.06%
Ag 328.068†	2137.8	0.0111	mg/L	0.00088	0.0111	mg/L	0.00088	7.94%
Al 396.153†	1256.4	0.245	mg/L	0.0075	0.245	mg/L	0.0075	3.07%
As 188.979†	8.1	0.00732	mg/L	0.003587	0.00732	mg/L	0.003587	49.01%
Ba 233.527†	1176.8	0.0198	mg/L	0.00023	0.0198	mg/L	0.00023	1.18%
Be 234.861†	551.7	0.00095	mg/L	0.000043	0.00095	mg/L	0.000043	4.51%
B 249.677†	738.2	0.0157	mg/L	0.00109	0.0157	mg/L	0.00109	6.94%
Ca 227.546†	18.8	0.131	mg/L	0.0792	0.131	mg/L	0.0792	60.46%
Cd 228.802†	27.8	0.00168	mg/L	0.000114	0.00168	mg/L	0.000114	6.79%
Co 228.616†	78.4	0.00411	mg/L	0.000101	0.00411	mg/L	0.000101	2.47%
Cr 267.716†	1150.8	0.00969	mg/L	0.000156	0.00969	mg/L	0.000156	1.61%
Cu 327.393†	1731.9	0.0117	mg/L	0.00008	0.0117	mg/L	0.00008	0.65%
Fe 239.562†	35.1	0.0723	mg/L	0.00695	0.0723	mg/L	0.00695	9.61%
Mg 279.077†	151.0	0.180	mg/L	0.0054	0.180	mg/L	0.0054	3.01%
Mn 257.610†	4458.1	0.00989	mg/L	0.000059	0.00989	mg/L	0.000059	0.59%
Mo 202.031†	265.6	0.0199	mg/L	0.00025	0.0199	mg/L	0.00025	1.25%
Ni 231.604†	330.0	0.00966	mg/L	0.000070	0.00966	mg/L	0.000070	0.72%
Pb 220.353†	57.9	0.00989	mg/L	0.000518	0.00989	mg/L	0.000518	5.24%
Sb 206.836†	46.7	0.0312	mg/L	0.00125	0.0312	mg/L	0.00125	4.00%
Se 196.026†	11.1	0.00545	mg/L	0.000766	0.00545	mg/L	0.000766	14.06%
Si 251.611†	4459.3	0.130	mg/L	0.0017	0.130	mg/L	0.0017	1.33%
Sn 189.927†	119.5	0.0198	mg/L	0.00065	0.0198	mg/L	0.00065	3.27%
Ti 334.940†	14609.4	0.0201	mg/L	0.00017	0.0201	mg/L	0.00017	0.86%
Tl 190.801†	21.6	0.0134	mg/L	0.00417	0.0134	mg/L	0.00417	31.00%
V 290.880†	2542.3	0.0182	mg/L	0.00070	0.0182	mg/L	0.00070	3.83%
Zn 206.200†	703.3	0.0210	mg/L	0.00016	0.0210	mg/L	0.00016	0.75%
K 766.490†	3244.5	1.25	mg/L	0.063	1.25	mg/L	0.063	5.04%
Na 589.592†	16580.1	1.20	mg/L	0.011	1.20	mg/L	0.011	0.88%
Sr 407.771†	17152.3	0.0165	mg/L	0.00157	0.0165	mg/L	0.00157	9.53%
Li 670.784†	1886.3	0.0244	mg/L	0.00073	0.0244	mg/L	0.00073	3.00%

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Analysis Begun

Start Time: 2/21/2011 11:56:00 AM **Plasma On Time: 2/21/2011 7:55:44 AM**
Logged In Analyst: peicp2 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N4011401 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\peicp2\Sample Information\MONDAY1.sif
Batch ID:
Results Data Set: 022111H2
Results Library: C:\pe\peicp2\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 1**
Sample ID: S0 **Date Collected: 2/21/2011 11:56:01 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S0

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	5202126.2	93122.23	1.79%		
YRADIAL	327137.1	14156.02	4.33%		
Ga 417.206	1246360.6	18424.88	1.48%		
GaRADIAL	62368.8	3043.03	4.88%		
Ag 328.068†	-1451.4	26.34	1.82%	[0.00]	mg/L
Al 396.153†	-139.8	114.42	81.85%	[0.00]	mg/L
As 188.979†	1.9	3.55	182.76%	[0.00]	mg/L
Ba 233.527†	-52.6	6.31	11.99%	[0.00]	mg/L
Be 234.861†	-575.3	7.44	1.29%	[0.00]	mg/L
B 249.677†	446.8	15.55	3.48%	[0.00]	mg/L
Ca 227.546†	-38.4	2.14	5.57%	[0.00]	mg/L
Cd 228.802†	20.4	2.64	12.91%	[0.00]	mg/L
Co 228.616†	-24.7	4.43	17.92%	[0.00]	mg/L
Cr 267.716†	-44.6	4.17	9.34%	[0.00]	mg/L
Cu 327.393†	-1305.6	22.24	1.70%	[0.00]	mg/L
Fe 239.562†	4.3	1.60	36.91%	[0.00]	mg/L
Mg 279.077†	16.1	2.49	15.42%	[0.00]	mg/L
Mn 257.610†	188.0	8.04	4.28%	[0.00]	mg/L
Mo 202.031†	-30.2	2.03	6.72%	[0.00]	mg/L
Ni 231.604†	0.9	7.57	886.30%	[0.00]	mg/L
Pb 220.353†	32.4	8.19	25.27%	[0.00]	mg/L
Sb 206.836†	17.0	0.53	3.10%	[0.00]	mg/L
Se 196.026†	6.0	3.34	55.19%	[0.00]	mg/L
Si 251.611†	297.7	12.26	4.12%	[0.00]	mg/L
Sn 189.927†	19.5	4.58	23.52%	[0.00]	mg/L
Ti 334.940†	-569.5	47.49	8.34%	[0.00]	mg/L
Tl 190.801†	-30.1	5.69	18.90%	[0.00]	mg/L
V 290.880†	4509.1	130.00	2.88%	[0.00]	mg/L
Zn 206.200†	17.7	8.42	47.43%	[0.00]	mg/L
K 766.490†	91.5	119.89	131.09%	[0.00]	mg/L
Na 589.592†	-15.5	103.35	668.39%	[0.00]	mg/L
Sr 407.771†	-779.0	64.39	8.27%	[0.00]	mg/L
Li 670.784†	251.2	75.71	30.14%	[0.00]	mg/L

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Sequence No.: 2 **Autosampler Location: 2**
Sample ID: S1 **Date Collected: 2/21/2011 12:02:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S1

Analyte	Back Pressure	Flow

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All	169.0 kPa	0.50 L/min

Mean Data: S1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	5162020.5	28440.55	0.55%		
YRADIAL	318113.7	7734.36	2.43%		
Ga 417.206	1229257.6	14219.31	1.16%		
GaRADIAL	60663.7	1210.17	1.99%		
Ag 328.068†	922.0	78.73	8.54%	[0.0040]	mg/L
Al 396.153†	493.2	94.50	19.16%	[0.10]	mg/L
Ba 233.527†	587.5	7.80	1.33%	[0.010]	mg/L
Be 234.861†	284.4	8.47	2.98%	[0.0005]	mg/L
Cd 228.802†	10.9	1.78	16.31%	[0.00050]	mg/L
Co 228.616†	38.5	0.49	1.28%	[0.0020]	mg/L
Cr 267.716†	570.8	22.35	3.92%	[0.0050]	mg/L
Cu 327.393†	694.5	115.02	16.56%	[0.0050]	mg/L
Fe 239.562†	17.2	2.73	15.84%	[0.040]	mg/L
Mg 279.077†	69.0	0.26	0.38%	[0.10]	mg/L
Mn 257.610†	2257.0	6.60	0.29%	[0.0050]	mg/L
Mo 202.031†	131.0	4.69	3.58%	[0.010]	mg/L
Ni 231.604†	160.8	8.19	5.09%	[0.0050]	mg/L
Pb 220.353†	40.5	1.02	2.52%	[0.0050]	mg/L
Sb 206.836†	16.6	2.38	14.32%	[0.012]	mg/L
Si 251.611†	1795.3	62.73	3.49%	[0.050]	mg/L
Sn 189.927†	63.6	6.31	9.92%	[0.010]	mg/L
Ti 334.940†	7163.9	97.97	1.37%	[0.010]	mg/L
V 290.880†	1413.5	96.37	6.82%	[0.010]	mg/L
Zn 206.200†	316.5	5.84	1.84%	[0.010]	mg/L
K 766.490†	1421.2	48.43	3.41%	[0.50]	mg/L
Na 589.592†	7060.3	92.00	1.30%	[0.50]	mg/L
Sr 407.771†	10555.4	887.43	8.41%	[0.010]	mg/L
Li 670.784†	779.1	48.32	6.20%	[0.010]	mg/L

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: S2 **Date Collected: 2/21/2011 12:09:13 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S2

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: S2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 371.029	5172357.1	52969.98	1.02%		
YRADIAL	312631.8	9030.29	2.89%		
Ga 417.206	1237754.8	20116.24	1.63%		
GaRADIAL	60184.1	1681.31	2.79%		
Ag 328.068†	1765.8	90.42	5.12%	[0.0080]	mg/L
Al 396.153†	1001.8	61.00	6.09%	[0.20]	mg/L
As 188.979†	8.9	1.94	21.80%	[0.0080]	mg/L
Ba 233.527†	1170.6	18.95	1.62%	[0.020]	mg/L
Be 234.861†	562.1	11.88	2.11%	[0.0010]	mg/L
B 249.677†	459.5	24.70	5.38%	[0.010]	mg/L
Ca 227.546†	16.7	8.79	52.72%	[0.20]	mg/L
Cd 228.802†	18.5	4.38	23.73%	[0.0010]	mg/L
Co 228.616†	73.8	5.39	7.30%	[0.0040]	mg/L
Cr 267.716†	1167.3	5.03	0.43%	[0.010]	mg/L
Cu 327.393†	1383.3	146.75	10.61%	[0.010]	mg/L
Fe 239.562†	34.1	1.44	4.22%	[0.080]	mg/L
Mg 279.077†	152.6	9.13	5.98%	[0.20]	mg/L
Mn 257.610†	4478.4	69.13	1.54%	[0.010]	mg/L
Mo 202.031†	266.6	3.44	1.29%	[0.020]	mg/L
Ni 231.604†	334.1	12.76	3.82%	[0.010]	mg/L
Pb 220.353†	59.6	8.92	14.96%	[0.010]	mg/L
Sb 206.836†	36.6	1.17	3.19%	[0.024]	mg/L

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Se 196.026†	9.7	1.47	15.20%	[0.0080]	mg/L
Si 251.611†	3465.9	79.44	2.29%	[0.10]	mg/L
Sn 189.927†	111.7	3.82	3.42%	[0.020]	mg/L
Ti 334.940†	14448.8	140.36	0.97%	[0.020]	mg/L
Tl 190.801†	13.4	4.35	32.56%	[0.010]	mg/L
V 290.880†	2873.8	107.85	3.75%	[0.020]	mg/L
Zn 206.200†	639.3	9.61	1.50%	[0.020]	mg/L
K 766.490†	2746.0	80.90	2.95%	[1.00]	mg/L
Na 589.592†	14265.6	214.67	1.50%	[1.00]	mg/L
Sr 407.771†	21317.0	1840.32	8.63%	[0.020]	mg/L
Li 670.784†	1638.3	31.95	1.95%	[0.020]	mg/L

Sequence No.: 4 **Autosampler Location: 4**
Sample ID: S3 **Date Collected: 2/21/2011 12:15:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S3

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: S3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	5014228.3	70974.92	1.42%		
YRADIAL	308328.9	4672.08	1.52%		
Ga 417.206	1204601.1	21371.29	1.77%		
GaRADIAL	59584.0	2052.71	3.45%		
Ag 328.068†	79927.0	818.14	1.02%	[0.40]	mg/L
Al 396.153†	51940.5	470.04	0.90%	[10.00]	mg/L
As 188.979†	421.9	8.48	2.01%	[0.40]	mg/L
Ba 233.527†	57222.0	381.33	0.67%	[1.00]	mg/L
Be 234.861†	28502.1	403.31	1.42%	[0.05]	mg/L
B 249.677†	26246.2	353.73	1.35%	[0.50]	mg/L
Ca 227.546†	1031.3	22.15	2.15%	[10.00]	mg/L
Cd 228.802†	866.6	23.24	2.68%	[0.05]	mg/L
Co 228.616†	3755.6	54.96	1.46%	[0.20]	mg/L
Cr 267.716†	55749.4	636.55	1.14%	[0.50]	mg/L
Cu 327.393†	72160.3	1000.63	1.39%	[0.50]	mg/L
Fe 239.562†	1807.7	50.67	2.80%	[4.00]	mg/L
Mg 279.077†	8163.7	167.68	2.05%	[10.00]	mg/L
Mn 257.610†	218950.3	1247.36	0.57%	[0.50]	mg/L
Mo 202.031†	13074.9	100.07	0.77%	[1.00]	mg/L
Ni 231.604†	16663.9	93.63	0.56%	[0.50]	mg/L
Pb 220.353†	2854.8	46.85	1.64%	[0.50]	mg/L
Sb 206.836†	1862.5	30.53	1.64%	[1.20]	mg/L
Se 196.026†	553.1	17.95	3.24%	[0.40]	mg/L
Si 251.611†	167709.5	1959.22	1.17%	[5.00]	mg/L
Sn 189.927†	5647.0	89.76	1.59%	[1.00]	mg/L
Ti 334.940†	717228.6	3344.73	0.47%	[1.00]	mg/L
Tl 190.801†	825.7	10.56	1.28%	[0.50]	mg/L
V 290.880†	146251.7	1112.58	0.76%	[1.00]	mg/L
Zn 206.200†	31584.9	278.09	0.88%	[1.00]	mg/L
K 766.490†	133481.6	956.52	0.72%	[50.00]	mg/L
Na 589.592†	686485.8	16095.91	2.34%	[50.00]	mg/L
Sr 407.771†	1066539.8	58673.33	5.50%	[1.00]	mg/L
Li 670.784†	83936.7	1186.04	1.41%	[1.00]	mg/L

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: S4 **Date Collected: 2/21/2011 12:22:33 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: S4

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

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Mean Data: S4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Y 371.029	4844561.9	49829.58	1.03%		
YRADIAL	295388.7	3352.03	1.13%		
Ga 417.206	1167096.7	18341.76	1.57%		
GaRADIAL	58757.0	916.62	1.56%		
Ag 328.068†	159136.1	2783.14	1.75%	[0.80]	mg/L
Al 396.153†	101629.1	712.14	0.70%	[20.00]	mg/L
As 188.979†	856.6	17.63	2.06%	[0.80]	mg/L
Ba 233.527†	113843.4	1620.29	1.42%	[2.00]	mg/L
Be 234.861†	57075.1	1152.38	2.02%	[0.10]	mg/L
B 249.677†	53258.5	871.36	1.64%	[1.00]	mg/L
Ca 227.546†	2117.6	40.77	1.93%	[20.00]	mg/L
Cd 228.802†	1750.9	31.25	1.78%	[0.10]	mg/L
Co 228.616†	7552.1	90.17	1.19%	[0.40]	mg/L
Cr 267.716†	110917.8	1472.75	1.33%	[1.00]	mg/L
Cu 327.393†	143687.4	2600.06	1.81%	[1.00]	mg/L
Fe 239.562†	3721.0	47.75	1.28%	[8.00]	mg/L
Mg 279.077†	16835.9	143.16	0.85%	[20.00]	mg/L
Mn 257.610†	435419.8	6018.77	1.38%	[1.00]	mg/L
Mo 202.031†	26209.8	420.62	1.60%	[2.00]	mg/L
Ni 231.604†	33258.7	450.42	1.35%	[1.00]	mg/L
Pb 220.353†	5733.0	76.07	1.33%	[1.00]	mg/L
Sb 206.836†	3760.4	77.06	2.05%	[2.40]	mg/L
Se 196.026†	1131.9	24.33	2.15%	[0.80]	mg/L
Si 251.611†	338217.9	6336.86	1.87%	[10.00]	mg/L
Sn 189.927†	11407.1	143.62	1.26%	[2.00]	mg/L
Ti 334.940†	1438870.2	19614.45	1.36%	[2.00]	mg/L
Tl 190.801†	1646.5	23.64	1.44%	[1.00]	mg/L
V 290.880†	294568.6	3681.58	1.25%	[2.00]	mg/L
Zn 206.200†	63513.6	943.73	1.49%	[2.00]	mg/L
K 766.490†	267316.9	2149.09	0.80%	[100.00]	mg/L
Na 589.592†	1367143.2	11391.69	0.83%	[100.00]	mg/L
Sr 407.771†	2174430.1	202957.93	9.33%	[2.00]	mg/L
Li 670.784†	164571.6	745.96	0.45%	[2.00]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Wt. Lin	129.7	200200	0.00000	0.999852	
Al 396.153	4	Wt. Lin	-21.2	5134	0.00000	0.999939	
As 188.979	3	Wt. Lin	0.4	1062	0.00000	0.999969	
Ba 233.527	4	Wt. Lin	18.0	57170	0.00000	0.999977	
Be 234.861	4	Wt. Lin	-1.5	569000	0.00000	0.999971	
B 249.677	3	Wt. Lin	-70.4	52980	0.00000	0.999978	
Ca 227.546	3	Wt. Lin	-4.3	104.8	0.00000	0.999925	
Cd 228.802	4	Wt. Lin	2.1	17170	0.00000	0.999187	
Co 228.616	4	Wt. Lin	0.6	18720	0.00000	0.999833	
Cr 267.716	4	Wt. Lin	18.5	111900	0.00000	0.999776	
Cu 327.393	4	Wt. Lin	-28.5	143500	0.00000	0.999917	
Fe 239.562	4	Wt. Lin	-1.3	455.5	0.00000	0.999646	
Mg 279.077	4	Wt. Lin	-14.0	830.7	0.00000	0.999896	
Mn 257.610	4	Wt. Lin	77.8	437200	0.00000	0.999983	
Mo 202.031	4	Wt. Lin	0.5	13130	0.00000	0.999945	
Ni 231.604	4	Wt. Lin	-5.1	33420	0.00000	0.999931	
Pb 220.353	4	Wt. Lin	11.2	5532	0.00000	0.995164	
Sb 206.836	4	Wt. Lin	-2.0	1570	0.00000	0.999807	
Se 196.026	3	Wt. Lin	-1.6	1402	0.00000	0.999940	
Si 251.611	4	Wt. Lin	110.9	33640	0.00000	0.999989	
Sn 189.927	4	Wt. Lin	6.2	5592	0.00000	0.998993	
Ti 334.940	4	Wt. Lin	-10.5	719300	0.00000	0.999991	
Tl 190.801	3	Wt. Lin	-3.2	1654	0.00000	0.999997	
V 290.880	4	Wt. Lin	-55.3	146700	0.00000	0.999993	
Zn 206.200	4	Wt. Lin	0.3	31730	0.00000	0.999981	
K 766.490	4	Non Lin, Calc Int	56.4	2664	0.08128	1.000000	
Na 589.592	4	Non Lin, Calc Int	215.7	13780	-1.12691	1.000000	
Sr 407.771	4	Wt. Lin	-216.5	1077000	0.00000	0.999958	
Li 670.784	4	Wt. Lin	-49.9	83400	0.00000	0.999907	

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Sequence No.: 6 **Autosampler Location:** 9
Sample ID: ICV 2nd Vendor **Date Collected:** 2/21/2011 12:29:17 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICV 2nd Vendor

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: ICV 2nd Vendor

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5000218.4						105525.52	2.11%
YRADIAL	309124.7						1743.94	0.56%
Ga 417.206	1201084.5						35308.77	2.94%
GaRADIAL	59450.1						1322.34	2.22%
Ag 328.068†	78130.4	0.391	mg/L	0.0137	0.391	mg/L	0.0137	3.51%
QC value within limits for Ag 328.068 Recovery = 97.66%								
Al 396.153†	52139.7	10.1	mg/L	0.06	10.1	mg/L	0.06	0.55%
QC value within limits for Al 396.153 Recovery = 101.46%								
As 188.979†	413.4	0.385	mg/L	0.0138	0.385	mg/L	0.0138	3.59%
QC value within limits for As 188.979 Recovery = 96.37%								
Ba 233.527†	56890.8	0.997	mg/L	0.0239	0.997	mg/L	0.0239	2.39%
QC value within limits for Ba 233.527 Recovery = 99.74%								
Be 234.861†	27282.5	0.0487	mg/L	0.00155	0.0487	mg/L	0.00155	3.18%
QC value within limits for Be 234.861 Recovery = 97.45%								
B 249.677†	26250.9	0.503	mg/L	0.0153	0.503	mg/L	0.0153	3.04%
QC value within limits for B 249.677 Recovery = 100.62%								
Ca 227.546†	1036.8	10.3	mg/L	0.35	10.3	mg/L	0.35	3.41%
QC value within limits for Ca 227.546 Recovery = 102.67%								
Cd 228.802†	845.5	0.0488	mg/L	0.00171	0.0488	mg/L	0.00171	3.51%
QC value within limits for Cd 228.802 Recovery = 97.50%								
Co 228.616†	3690.8	0.195	mg/L	0.0047	0.195	mg/L	0.0047	2.44%
QC value within limits for Co 228.616 Recovery = 97.31%								
Cr 267.716†	55348.4	0.494	mg/L	0.0108	0.494	mg/L	0.0108	2.19%
QC value within limits for Cr 267.716 Recovery = 98.89%								
Cu 327.393†	71715.4	0.502	mg/L	0.0192	0.502	mg/L	0.0192	3.82%
QC value within limits for Cu 327.393 Recovery = 100.39%								
Fe 239.562†	1819.5	4.00	mg/L	0.026	4.00	mg/L	0.026	0.65%
QC value within limits for Fe 239.562 Recovery = 99.90%								
Mg 279.077†	8214.1	9.91	mg/L	0.031	9.91	mg/L	0.031	0.32%
QC value within limits for Mg 279.077 Recovery = 99.08%								
Mn 257.610†	220350.3	0.508	mg/L	0.0123	0.508	mg/L	0.0123	2.41%
QC value within limits for Mn 257.610 Recovery = 101.69%								
Mo 202.031†	12920.3	0.984	mg/L	0.0246	0.984	mg/L	0.0246	2.50%
QC value within limits for Mo 202.031 Recovery = 98.43%								
Ni 231.604†	16640.4	0.498	mg/L	0.0095	0.498	mg/L	0.0095	1.92%
QC value within limits for Ni 231.604 Recovery = 99.57%								
Pb 220.353†	2853.1	0.519	mg/L	0.0147	0.519	mg/L	0.0147	2.83%
QC value within limits for Pb 220.353 Recovery = 103.76%								
Sb 206.836†	1892.4	1.21	mg/L	0.041	1.21	mg/L	0.041	3.39%
QC value within limits for Sb 206.836 Recovery = 100.93%								
Se 196.026†	546.0	0.394	mg/L	0.0092	0.394	mg/L	0.0092	2.33%
QC value within limits for Se 196.026 Recovery = 98.38%								
Si 251.611†	171552.1	5.08	mg/L	0.169	5.08	mg/L	0.169	3.32%
QC value within limits for Si 251.611 Recovery = 101.62%								
Sn 189.927†	5729.3	1.02	mg/L	0.023	1.02	mg/L	0.023	2.26%
QC value within limits for Sn 189.927 Recovery = 102.35%								
Ti 334.940†	728367.9	1.01	mg/L	0.009	1.01	mg/L	0.009	0.87%
QC value within limits for Ti 334.940 Recovery = 101.26%								
Tl 190.801†	833.6	0.518	mg/L	0.0099	0.518	mg/L	0.0099	1.92%
QC value within limits for Tl 190.801 Recovery = 103.51%								
V 290.880†	142532.9	0.971	mg/L	0.0247	0.971	mg/L	0.0247	2.54%
QC value within limits for V 290.880 Recovery = 97.13%								
Zn 206.200†	31014.8	0.980	mg/L	0.0156	0.980	mg/L	0.0156	1.60%
QC value within limits for Zn 206.200 Recovery = 97.98%								
K 766.490†	131907.2	49.4	mg/L	0.37	49.4	mg/L	0.37	0.76%
QC value within limits for K 766.490 Recovery = 98.72%								
Na 589.592†	661887.3	48.2	mg/L	0.52	48.2	mg/L	0.52	1.08%

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QC value within limits for Na 589.592 Recovery = 96.40%
Sr 407.771† 1048119.8 0.973 mg/L 0.0801 0.973 mg/L 0.0801 8.23%
QC value within limits for Sr 407.771 Recovery = 97.29%
Li 670.784† 83706.1 1.00 mg/L 0.008 1.00 mg/L 0.008 0.77%
QC value within limits for Li 670.784 Recovery = 100.43%
All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 1**
Sample ID: ICB **Date Collected: 2/21/2011 12:35:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	Sample RSD
Y 371.029	5178833.5						54818.67	1.06%
YRADIAL	312611.1						4635.04	1.48%
Ga 417.206	1256346.3						9080.78	0.72%
GaRADIAL	60021.0						746.26	1.24%
Ag 328.068†	64.7	-0.00032	mg/L	0.000637	-0.00032	mg/L	0.000637	197.09%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-41.0	-0.00387	mg/L	0.008606	-0.00387	mg/L	0.008606	222.18%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-1.3	-0.00161	mg/L	0.001494	-0.00161	mg/L	0.001494	92.90%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	9.0	-0.00016	mg/L	0.000077	-0.00016	mg/L	0.000077	48.91%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	25.9	0.00005	mg/L	0.000043	0.00005	mg/L	0.000043	87.53%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	574.5	0.0122	mg/L	0.00064	0.0122	mg/L	0.00064	5.29%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-1.3	0.0288	mg/L	0.01178	0.0288	mg/L	0.01178	40.90%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	0.9	-0.00006	mg/L	0.000106	-0.00006	mg/L	0.000106	172.13%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-0.0	-0.00004	mg/L	0.000206	-0.00004	mg/L	0.000206	570.42%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-12.8	-0.00028	mg/L	0.000122	-0.00028	mg/L	0.000122	43.58%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-47.9	-0.00013	mg/L	0.000231	-0.00013	mg/L	0.000231	171.32%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-2.7	-0.00319	mg/L	0.005548	-0.00319	mg/L	0.005548	173.86%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-10.0	0.00482	mg/L	0.000924	0.00482	mg/L	0.000924	19.16%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	20.3	-0.00013	mg/L	0.000011	-0.00013	mg/L	0.000011	8.24%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-0.4	-0.00007	mg/L	0.000654	-0.00007	mg/L	0.000654	982.90%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-5.0	0.00000	mg/L	0.000293	0.00000	mg/L	0.000293	>999.9%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	7.8	-0.00061	mg/L	0.001530	-0.00061	mg/L	0.001530	250.58%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.3	0.00147	mg/L	0.000803	0.00147	mg/L	0.000803	54.56%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.2	0.00024	mg/L	0.000861	0.00024	mg/L	0.000861	357.24%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	150.0	0.00116	mg/L	0.003399	0.00116	mg/L	0.003399	292.03%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	11.5	0.00095	mg/L	0.000461	0.00095	mg/L	0.000461	48.42%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	38.6	0.00007	mg/L	0.000138	0.00007	mg/L	0.000138	201.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.0	0.00130	mg/L	0.002989	0.00130	mg/L	0.002989	229.80%
QC value within limits for Tl 190.801 Recovery = Not calculated								

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V 290.880† 43.1 0.00067 mg/L 0.000780 0.00067 mg/L 0.000780 116.24%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† -2.5 -0.00009 mg/L 0.000182 -0.00009 mg/L 0.000182 203.92%
QC value within limits for Zn 206.200 Recovery = Not calculated
K 766.490† 237.0 0.0678 mg/L 0.01193 0.0678 mg/L 0.01193 17.60%
QC value within limits for K 766.490 Recovery = Not calculated
Na 589.592† 338.8 0.00894 mg/L 0.004352 0.00894 mg/L 0.004352 48.70%
QC value within limits for Na 589.592 Recovery = Not calculated
Sr 407.771† 69.6 0.00027 mg/L 0.000049 0.00027 mg/L 0.000049 18.42%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† -96.8 -0.00056 mg/L 0.001187 -0.00056 mg/L 0.001187 211.02%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 8 **Autosampler Location: 10**
Sample ID: LLCCV **Date Collected: 2/21/2011 12:42:37 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5235746.5						43490.48	0.83%
YRADIAL	307838.4						8732.36	2.84%
Ga 417.206	1264287.6						9363.71	0.74%
GaRADIAL	59448.0						765.42	1.29%
Ag 328.068†	1652.6	0.00763	mg/L	0.000145	0.00763	mg/L	0.000145	1.91%
QC value greater than the upper limit for Ag 328.068 Recovery = 190.67%								
Al 396.153†	1002.5	0.199	mg/L	0.0086	0.199	mg/L	0.0086	4.31%
QC value greater than the upper limit for Al 396.153 Recovery = 199.12%								
As 188.979†	10.1	0.00906	mg/L	0.001159	0.00906	mg/L	0.001159	12.80%
QC value greater than the upper limit for As 188.979 Recovery = 226.40%								
Ba 233.527†	1159.3	0.0200	mg/L	0.00015	0.0200	mg/L	0.00015	0.76%
QC value greater than the upper limit for Ba 233.527 Recovery = 200.15%								
Be 234.861†	566.6	0.00101	mg/L	0.000012	0.00101	mg/L	0.000012	1.19%
QC value less than the lower limit for Be 234.861 Recovery = 50.72%								
B 249.677†	876.5	0.0180	mg/L	0.00105	0.0180	mg/L	0.00105	5.82%
QC value less than the lower limit for B 249.677 Recovery = 18.00%								
Ca 227.546†	15.8	0.199	mg/L	0.0600	0.199	mg/L	0.0600	30.16%
QC value within limits for Ca 227.546 Recovery = 99.39%								
Cd 228.802†	17.9	0.00090	mg/L	0.000172	0.00090	mg/L	0.000172	19.04%
QC value greater than the upper limit for Cd 228.802 Recovery = 180.28%								
Co 228.616†	76.5	0.00401	mg/L	0.000303	0.00401	mg/L	0.000303	7.56%
QC value greater than the upper limit for Co 228.616 Recovery = 200.29%								
Cr 267.716†	1152.8	0.0101	mg/L	0.00026	0.0101	mg/L	0.00026	2.54%
QC value greater than the upper limit for Cr 267.716 Recovery = 202.75%								
Cu 327.393†	1398.7	0.00998	mg/L	0.000097	0.00998	mg/L	0.000097	0.97%
QC value greater than the upper limit for Cu 327.393 Recovery = 199.69%								
Fe 239.562†	34.6	0.0787	mg/L	0.00256	0.0787	mg/L	0.00256	3.26%
QC value within limits for Fe 239.562 Recovery = 78.70%								
Mg 279.077†	159.9	0.209	mg/L	0.0136	0.209	mg/L	0.0136	6.49%
QC value less than the lower limit for Mg 279.077 Recovery = 41.88%								
Mn 257.610†	4355.0	0.00988	mg/L	0.000167	0.00988	mg/L	0.000167	1.69%
QC value greater than the upper limit for Mn 257.610 Recovery = 197.55%								
Mo 202.031†	262.0	0.0199	mg/L	0.00009	0.0199	mg/L	0.00009	0.43%
QC value greater than the upper limit for Mo 202.031 Recovery = 199.25%								
Ni 231.604†	330.6	0.0100	mg/L	0.00016	0.0100	mg/L	0.00016	1.57%
QC value greater than the upper limit for Ni 231.604 Recovery = 200.81%								
Pb 220.353†	66.2	0.0101	mg/L	0.00038	0.0101	mg/L	0.00038	3.76%
QC value greater than the upper limit for Pb 220.353 Recovery = 201.07%								
Sb 206.836†	38.5	0.0259	mg/L	0.00015	0.0259	mg/L	0.00015	0.57%
QC value greater than the upper limit for Sb 206.836 Recovery = 215.65%								
Se 196.026†	11.1	0.00908	mg/L	0.001595	0.00908	mg/L	0.001595	17.57%
QC value greater than the upper limit for Se 196.026 Recovery = 226.90%								
Si 251.611†	3408.4	0.0977	mg/L	0.00359	0.0977	mg/L	0.00359	3.67%

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QC value greater than the upper limit for Si 251.611 Recovery = 195.44%
Sn 189.927† 118.0 0.0200 mg/L 0.00054 0.0200 mg/L 0.00054 2.70%
QC value greater than the upper limit for Sn 189.927 Recovery = 199.96%
Ti 334.940† 14130.8 0.0197 mg/L 0.00020 0.0197 mg/L 0.00020 1.00%
QC value greater than the upper limit for Ti 334.940 Recovery = 196.60%
Tl 190.801† 8.4 0.00721 mg/L 0.002534 0.00721 mg/L 0.002534 35.12%
QC value greater than the upper limit for Tl 190.801 Recovery = 144.29%
V 290.880† 2771.6 0.0193 mg/L 0.00153 0.0193 mg/L 0.00153 7.96%
QC value greater than the upper limit for V 290.880 Recovery = 192.57%
Zn 206.200† 648.4 0.0205 mg/L 0.00020 0.0205 mg/L 0.00020 1.00%
QC value within limits for Zn 206.200 Recovery = 102.37%
K 766.490† 2798.8 1.03 mg/L 0.008 1.03 mg/L 0.008 0.79%
QC value within limits for K 766.490 Recovery = 102.82%
Na 589.592† 14456.7 1.03 mg/L 0.009 1.03 mg/L 0.009 0.85%
QC value greater than the upper limit for Na 589.592 Recovery = 206.68%
Sr 407.771† 21272.3 0.0199 mg/L 0.00165 0.0199 mg/L 0.00165 8.29%
QC value greater than the upper limit for Sr 407.771 Recovery = 199.43%
Li 670.784† 1661.9 0.0205 mg/L 0.00038 0.0205 mg/L 0.00038 1.87%
QC value greater than the upper limit for Li 670.784 Recovery = 205.26%
QC Failed. Continue with analysis.

Sequence No.: 9 **Autosampler Location: 7**
Sample ID: ICSA **Date Collected: 2/21/2011 12:49:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4580296.0						2209.59	0.05%
YRADIAL	295513.0						6153.86	2.08%
Ga 417.206	1121559.3						16708.40	1.49%
GaRADIAL	58408.1						1106.17	1.89%
Ag 328.068†	943.1	-0.00083	mg/L	0.001024	-0.00083	mg/L	0.001024	123.59%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1258932.5	245	mg/L	0.6	245	mg/L	0.6	0.24%
QC value within limits for Al 396.153 Recovery = 98.09%								
As 188.979†	6.6	-0.00326	mg/L	0.003152	-0.00326	mg/L	0.003152	96.82%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	110.0	-0.00069	mg/L	0.000107	-0.00069	mg/L	0.000107	15.48%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	11204.4	-0.00006	mg/L	0.000269	-0.00006	mg/L	0.000269	414.68%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	-9669.0	0.00071	mg/L	0.007132	0.00071	mg/L	0.007132	>999.9%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	29351.5	280	mg/L	3.6	280	mg/L	3.6	1.30%
QC value within limits for Ca 227.546 Recovery = 112.17%								
Cd 228.802†	1.3	-0.00020	mg/L	0.000078	-0.00020	mg/L	0.000078	38.97%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	25.7	-0.00122	mg/L	0.000281	-0.00122	mg/L	0.000281	22.99%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	654.1	-0.00037	mg/L	0.000231	-0.00037	mg/L	0.000231	61.51%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-1514.9	0.00090	mg/L	0.000338	0.00090	mg/L	0.000338	37.51%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	44622.8	98.0	mg/L	1.01	98.0	mg/L	1.01	1.04%
QC value within limits for Fe 239.562 Recovery = 97.96%								
Mg 279.077†	206689.0	249	mg/L	2.5	249	mg/L	2.5	1.01%
QC value within limits for Mg 279.077 Recovery = 99.51%								
Mn 257.610†	-160.8	0.00025	mg/L	0.000232	0.00025	mg/L	0.000232	91.51%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-7.3	0.00424	mg/L	0.000638	0.00424	mg/L	0.000638	15.05%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	-60.0	-0.00170	mg/L	0.000227	-0.00170	mg/L	0.000227	13.36%
QC value within limits for Ni 231.604 Recovery = Not calculated								

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Pb 220.353†	-88.4	-0.00075 mg/L	0.002021	-0.00075 mg/L	0.002021	270.97%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	22.6	0.0156 mg/L	0.00189	0.0156 mg/L	0.00189	12.13%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	-110.9	0.00091 mg/L	0.004514	0.00091 mg/L	0.004514	497.50%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	243.0	0.00394 mg/L	0.002334	0.00394 mg/L	0.002334	59.30%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-26.2	-0.00579 mg/L	0.001930	-0.00579 mg/L	0.001930	33.31%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	-2068.0	-0.00006 mg/L	0.000098	-0.00006 mg/L	0.000098	158.25%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	155.2	0.0705 mg/L	0.00537	0.0705 mg/L	0.00537	7.62%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 290.880†	-845.5	0.00214 mg/L	0.000524	0.00214 mg/L	0.000524	24.50%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	199.3	0.00404 mg/L	0.000328	0.00404 mg/L	0.000328	8.11%
QC value within limits for Zn 206.200 Recovery = Not calculated						
K 766.490†	121.5	0.0244 mg/L	0.03891	0.0244 mg/L	0.03891	159.39%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 589.592†	546.9	0.0240 mg/L	0.00500	0.0240 mg/L	0.00500	20.81%
QC value within limits for Na 589.592 Recovery = Not calculated						
Sr 407.771†	13959.0	0.00141 mg/L	0.000335	0.00141 mg/L	0.000335	23.83%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Li 670.784†	28.7	0.00094 mg/L	0.001332	0.00094 mg/L	0.001332	141.37%
QC value within limits for Li 670.784 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 8**
Sample ID: ICSAB **Date Collected: 2/21/2011 12:55:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4697141.0						27315.80	0.58%
YRADIAL	302439.8						10838.70	3.58%
Ga 417.206	1147543.9						4020.74	0.35%
GaRADIAL	59424.0						1893.14	3.19%
Ag 328.068†	100888.8	0.499	mg/L	0.0074	0.499	mg/L	0.0074	1.49%
QC value within limits for Ag 328.068 Recovery = 99.78%								
Al 396.153†	1182054.2	230	mg/L	11.5	230	mg/L	11.5	5.01%
QC value within limits for Al 396.153 Recovery = 92.10%								
As 188.979†	270.2	0.247	mg/L	0.0037	0.247	mg/L	0.0037	1.50%
QC value within limits for As 188.979 Recovery = 98.87%								
Ba 233.527†	14176.5	0.246	mg/L	0.0017	0.246	mg/L	0.0017	0.71%
QC value within limits for Ba 233.527 Recovery = 98.42%								
Be 234.861†	154668.7	0.253	mg/L	0.0066	0.253	mg/L	0.0066	2.60%
QC value within limits for Be 234.861 Recovery = 101.11%								
B 249.677†	-9445.3	-0.00625	mg/L	0.014740	-0.00625	mg/L	0.014740	235.66%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	28233.5	270	mg/L	1.9	270	mg/L	1.9	0.72%
QC value within limits for Ca 227.546 Recovery = 108.04%								
Cd 228.802†	7851.4	0.458	mg/L	0.0130	0.458	mg/L	0.0130	2.85%
QC value within limits for Cd 228.802 Recovery = 91.59%								
Co 228.616†	4360.4	0.230	mg/L	0.0027	0.230	mg/L	0.0027	1.15%
QC value within limits for Co 228.616 Recovery = 92.13%								
Cr 267.716†	27811.1	0.243	mg/L	0.0021	0.243	mg/L	0.0021	0.87%
QC value within limits for Cr 267.716 Recovery = 97.07%								
Cu 327.393†	34825.7	0.254	mg/L	0.0047	0.254	mg/L	0.0047	1.85%
QC value within limits for Cu 327.393 Recovery = 101.48%								
Fe 239.562†	43135.8	94.7	mg/L	0.55	94.7	mg/L	0.55	0.58%
QC value within limits for Fe 239.562 Recovery = 94.69%								
Mg 279.077†	199834.9	241	mg/L	1.6	241	mg/L	1.6	0.68%

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QC value within limits for Mg 279.077 Recovery = 96.21%
Mn 257.610† 106258.5 0.245 mg/L 0.0015 0.245 mg/L 0.0015 0.63%
QC value within limits for Mn 257.610 Recovery = 97.89%
Mo 202.031† -3.7 0.00442 mg/L 0.000532 0.00442 mg/L 0.000532 12.04%
QC value within limits for Mo 202.031 Recovery = Not calculated
Ni 231.604† 15446.2 0.462 mg/L 0.0035 0.462 mg/L 0.0035 0.75%
QC value within limits for Ni 231.604 Recovery = 92.42%
Pb 220.353† 2686.2 0.500 mg/L 0.0047 0.500 mg/L 0.0047 0.95%
QC value within limits for Pb 220.353 Recovery = 99.93%
Sb 206.836† 803.6 0.512 mg/L 0.0036 0.512 mg/L 0.0036 0.71%
QC value within limits for Sb 206.836 Recovery = 102.33%
Se 196.026† 229.6 0.242 mg/L 0.0052 0.242 mg/L 0.0052 2.16%
QC value within limits for Se 196.026 Recovery = 96.75%
Si 251.611† 291.3 0.00537 mg/L 0.001301 0.00537 mg/L 0.001301 24.22%
QC value within limits for Si 251.611 Recovery = Not calculated
Sn 189.927† -21.7 -0.00498 mg/L 0.000832 -0.00498 mg/L 0.000832 16.70%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 334.940† -1893.4 0.00000 mg/L 0.000331 0.00000 mg/L 0.000331 >999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated
Tl 190.801† 942.4 0.547 mg/L 0.0027 0.547 mg/L 0.0027 0.49%
QC value within limits for Tl 190.801 Recovery = 109.48%
V 290.880† 35051.0 0.246 mg/L 0.0015 0.246 mg/L 0.0015 0.61%
QC value within limits for V 290.880 Recovery = 98.58%
Zn 206.200† 14575.3 0.458 mg/L 0.0024 0.458 mg/L 0.0024 0.51%
QC value within limits for Zn 206.200 Recovery = 91.70%
K 766.490† 13523.6 5.05 mg/L 0.035 5.05 mg/L 0.035 0.70%
QC value within limits for K 766.490 Recovery = 100.97%
Na 589.592† 68156.5 4.93 mg/L 0.019 4.93 mg/L 0.019 0.38%
QC value within limits for Na 589.592 Recovery = 98.63%
Sr 407.771† 13274.1 0.00116 mg/L 0.000280 0.00116 mg/L 0.000280 24.09%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† 32.1 0.00098 mg/L 0.001855 0.00098 mg/L 0.001855 188.67%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 1:00:44 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4992718.3						22570.41	0.45%
YRADIAL	295700.7						4435.72	1.50%
Ga 417.206	1211192.7						11616.93	0.96%
GaRADIAL	57307.6						926.83	1.62%
Ag 328.068†	78901.0	0.395	mg/L	0.0055	0.395	mg/L	0.0055	1.40%
QC value within limits for Ag 328.068 Recovery = 98.63%								
Al 396.153†	52211.1	10.2	mg/L	0.05	10.2	mg/L	0.05	0.52%
QC value within limits for Al 396.153 Recovery = 101.60%								
As 188.979†	414.1	0.386	mg/L	0.0050	0.386	mg/L	0.0050	1.30%
QC value within limits for As 188.979 Recovery = 96.50%								
Ba 233.527†	57511.0	1.01	mg/L	0.011	1.01	mg/L	0.011	1.08%
QC value within limits for Ba 233.527 Recovery = 100.83%								
Be 234.861†	28123.2	0.0502	mg/L	0.00070	0.0502	mg/L	0.00070	1.40%
QC value within limits for Be 234.861 Recovery = 100.42%								
B 249.677†	26441.4	0.507	mg/L	0.0085	0.507	mg/L	0.0085	1.68%
QC value within limits for B 249.677 Recovery = 101.41%								
Ca 227.546†	1010.7	10.0	mg/L	0.14	10.0	mg/L	0.14	1.43%
QC value within limits for Ca 227.546 Recovery = 100.20%								
Cd 228.802†	849.6	0.0490	mg/L	0.00090	0.0490	mg/L	0.00090	1.84%
QC value within limits for Cd 228.802 Recovery = 98.02%								
Co 228.616†	3727.5	0.197	mg/L	0.0009	0.197	mg/L	0.0009	0.45%
QC value within limits for Co 228.616 Recovery = 98.30%								

Approved: February 22, 2011

Pierce Morris

Cr 267.716†	56080.8	0.501 mg/L	0.0058	0.501 mg/L	0.0058	1.16%
QC value within limits for Cr 267.716 Recovery = 100.21%						
Cu 327.393†	71342.5	0.499 mg/L	0.0095	0.499 mg/L	0.0095	1.90%
QC value within limits for Cu 327.393 Recovery = 99.87%						
Fe 239.562†	1852.4	4.07 mg/L	0.049	4.07 mg/L	0.049	1.20%
QC value within limits for Fe 239.562 Recovery = 101.71%						
Mg 279.077†	8421.1	10.2 mg/L	0.09	10.2 mg/L	0.09	0.92%
QC value within limits for Mg 279.077 Recovery = 101.57%						
Mn 257.610†	219749.8	0.507 mg/L	0.0066	0.507 mg/L	0.0066	1.30%
QC value within limits for Mn 257.610 Recovery = 101.42%						
Mo 202.031†	13144.1	1.00 mg/L	0.007	1.00 mg/L	0.007	0.75%
QC value within limits for Mo 202.031 Recovery = 100.14%						
Ni 231.604†	16789.9	0.502 mg/L	0.0061	0.502 mg/L	0.0061	1.22%
QC value within limits for Ni 231.604 Recovery = 100.47%						
Pb 220.353†	2851.6	0.519 mg/L	0.0026	0.519 mg/L	0.0026	0.50%
QC value within limits for Pb 220.353 Recovery = 103.72%						
Sb 206.836†	1821.2	1.17 mg/L	0.015	1.17 mg/L	0.015	1.28%
QC value within limits for Sb 206.836 Recovery = 97.16%						
Se 196.026†	542.8	0.391 mg/L	0.0103	0.391 mg/L	0.0103	2.64%
QC value within limits for Se 196.026 Recovery = 97.79%						
Si 251.611†	166846.1	4.94 mg/L	0.075	4.94 mg/L	0.075	1.52%
QC value within limits for Si 251.611 Recovery = 98.82%						
Sn 189.927†	5626.7	1.01 mg/L	0.003	1.01 mg/L	0.003	0.32%
QC value within limits for Sn 189.927 Recovery = 100.51%						
Ti 334.940†	719920.7	1.00 mg/L	0.008	1.00 mg/L	0.008	0.76%
QC value within limits for Ti 334.940 Recovery = 100.09%						
Tl 190.801†	824.1	0.512 mg/L	0.0018	0.512 mg/L	0.0018	0.34%
QC value within limits for Tl 190.801 Recovery = 102.33%						
V 290.880†	146798.6	1.00 mg/L	0.012	1.00 mg/L	0.012	1.20%
QC value within limits for V 290.880 Recovery = 100.04%						
Zn 206.200†	31849.3	1.01 mg/L	0.006	1.01 mg/L	0.006	0.61%
QC value within limits for Zn 206.200 Recovery = 100.61%						
K 766.490†	133700.0	50.0 mg/L	0.35	50.0 mg/L	0.35	0.70%
QC value within limits for K 766.490 Recovery = 100.06%						
Na 589.592†	685187.1	49.9 mg/L	0.36	49.9 mg/L	0.36	0.71%
QC value within limits for Na 589.592 Recovery = 99.81%						
Sr 407.771†	1066363.4	0.990 mg/L	0.0637	0.990 mg/L	0.0637	6.44%
QC value within limits for Sr 407.771 Recovery = 98.98%						
Li 670.784†	83510.0	1.00 mg/L	0.004	1.00 mg/L	0.004	0.38%
QC value within limits for Li 670.784 Recovery = 100.19%						

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 1:07:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5234424.1						53847.55	1.03%
YRADIAL	319176.3						7224.78	2.26%
Ga 417.206	1253922.9						39468.18	3.15%
GaRADIAL	61025.9						886.83	1.45%
Ag 328.068†	5.5	-0.00062	mg/L	0.000487	-0.00062	mg/L	0.000487	78.46%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-88.6	-0.0131	mg/L	0.00084	-0.0131	mg/L	0.00084	6.40%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.3	0.00084	mg/L	0.002830	0.00084	mg/L	0.002830	336.50%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	6.9	-0.00019	mg/L	0.000068	-0.00019	mg/L	0.000068	34.85%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-1.8	0.00000	mg/L	0.000043	0.00000	mg/L	0.000043	>999.9%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	254.5	0.00614	mg/L	0.000604	0.00614	mg/L	0.000604	9.83%

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QC value within limits for B 249.677 Recovery = Not calculated
Ca 227.546† -3.6 0.00662 mg/L 0.036103 0.00662 mg/L 0.036103 545.22%
QC value within limits for Ca 227.546 Recovery = Not calculated
Cd 228.802† 2.6 0.00002 mg/L 0.000068 0.00002 mg/L 0.000068 305.60%
QC value within limits for Cd 228.802 Recovery = Not calculated
Co 228.616† -1.1 -0.00009 mg/L 0.000412 -0.00009 mg/L 0.000412 450.60%
QC value within limits for Co 228.616 Recovery = Not calculated
Cr 267.716† -5.6 -0.00022 mg/L 0.000051 -0.00022 mg/L 0.000051 23.67%
QC value within limits for Cr 267.716 Recovery = Not calculated
Cu 327.393† 27.5 0.00039 mg/L 0.000504 0.00039 mg/L 0.000504 129.49%
QC value within limits for Cu 327.393 Recovery = Not calculated
Fe 239.562† -1.9 -0.00135 mg/L 0.000255 -0.00135 mg/L 0.000255 18.87%
QC value within limits for Fe 239.562 Recovery = Not calculated
Mg 279.077† -10.5 0.00413 mg/L 0.008240 0.00413 mg/L 0.008240 199.28%
QC value within limits for Mg 279.077 Recovery = Not calculated
Mn 257.610† 1.1 -0.00017 mg/L 0.000004 -0.00017 mg/L 0.000004 2.33%
QC value within limits for Mn 257.610 Recovery = Not calculated
Mo 202.031† 5.9 0.00041 mg/L 0.000229 0.00041 mg/L 0.000229 56.10%
QC value within limits for Mo 202.031 Recovery = Not calculated
Ni 231.604† -1.4 0.00011 mg/L 0.000242 0.00011 mg/L 0.000242 220.42%
QC value within limits for Ni 231.604 Recovery = Not calculated
Pb 220.353† 10.3 -0.00016 mg/L 0.000758 -0.00016 mg/L 0.000758 482.38%
QC value within limits for Pb 220.353 Recovery = Not calculated
Sb 206.836† -1.2 0.00048 mg/L 0.001785 0.00048 mg/L 0.001785 370.64%
QC value within limits for Sb 206.836 Recovery = Not calculated
Se 196.026† 0.7 0.00164 mg/L 0.005652 0.00164 mg/L 0.005652 343.95%
QC value within limits for Se 196.026 Recovery = Not calculated
Si 251.611† 10.9 -0.00298 mg/L 0.000553 -0.00298 mg/L 0.000553 18.56%
QC value within limits for Si 251.611 Recovery = Not calculated
Sn 189.927† 10.2 0.00072 mg/L 0.000495 0.00072 mg/L 0.000495 69.22%
QC value within limits for Sn 189.927 Recovery = Not calculated
Ti 334.940† -47.0 -0.00005 mg/L 0.000140 -0.00005 mg/L 0.000140 277.28%
QC value within limits for Ti 334.940 Recovery = Not calculated
Tl 190.801† -4.0 -0.00048 mg/L 0.002223 -0.00048 mg/L 0.002223 463.88%
QC value within limits for Tl 190.801 Recovery = Not calculated
V 290.880† -104.4 -0.00034 mg/L 0.000916 -0.00034 mg/L 0.000916 273.25%
QC value within limits for V 290.880 Recovery = Not calculated
Zn 206.200† 0.3 0.00000 mg/L 0.000076 0.00000 mg/L 0.000076 >999.9%
QC value within limits for Zn 206.200 Recovery = Not calculated
K 766.490† 103.2 0.0176 mg/L 0.01400 0.0176 mg/L 0.01400 79.72%
QC value within limits for K 766.490 Recovery = Not calculated
Na 589.592† 125.7 -0.00653 mg/L 0.000997 -0.00653 mg/L 0.000997 15.27%
QC value within limits for Na 589.592 Recovery = Not calculated
Sr 407.771† 4.8 0.00021 mg/L 0.000087 0.00021 mg/L 0.000087 42.41%
QC value within limits for Sr 407.771 Recovery = Not calculated
Li 670.784† -22.6 0.00033 mg/L 0.000972 0.00033 mg/L 0.000972 296.53%
QC value within limits for Li 670.784 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 38**
Sample ID: PBW 59 WG356954-02 **Date Collected: 2/21/2011 1:14:02 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW 59 WG356954-02

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: PBW 59 WG356954-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5277773.0						86227.40	1.63%
YRADIAL	325456.3						4406.49	1.35%
Ga 417.206	1213523.0						15971.08	1.32%
GaRADIAL	62332.3						607.06	0.97%
Ag 328.068†	-26.2	-0.00078	mg/L	0.000709	-0.00078	mg/L	0.000709	91.02%
Al 396.153†	-64.0	-0.00835	mg/L	0.005406	-0.00835	mg/L	0.005406	64.75%
As 188.979†	0.6	0.00019	mg/L	0.001738	0.00019	mg/L	0.001738	911.08%
Ba 233.527†	8.2	-0.00017	mg/L	0.000044	-0.00017	mg/L	0.000044	25.44%

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Be 234.861†	-97.3	-0.00017 mg/L	0.000011	-0.00017 mg/L	0.000011	6.74%
B 249.677†	212.5	0.00533 mg/L	0.000045	0.00533 mg/L	0.000045	0.85%
Ca 227.546†	14.9	0.183 mg/L	0.0506	0.183 mg/L	0.0506	27.60%
Cd 228.802†	3.0	0.00005 mg/L	0.000106	0.00005 mg/L	0.000106	231.81%
Co 228.616†	0.7	0.00000 mg/L	0.000239	0.00000 mg/L	0.000239	>999.9%
Cr 267.716†	25.2	0.00006 mg/L	0.000144	0.00006 mg/L	0.000144	235.85%
Cu 327.393†	-60.0	-0.00022 mg/L	0.000083	-0.00022 mg/L	0.000083	37.68%
Fe 239.562†	-2.7	-0.00314 mg/L	0.002176	-0.00314 mg/L	0.002176	69.19%
Mg 279.077†	84.5	0.119 mg/L	0.0021	0.119 mg/L	0.0021	1.74%
Mn 257.610†	-27.2	-0.00024 mg/L	0.000013	-0.00024 mg/L	0.000013	5.38%
Mo 202.031†	-3.7	-0.00032 mg/L	0.000498	-0.00032 mg/L	0.000498	156.97%
Ni 231.604†	4.7	0.00029 mg/L	0.000313	0.00029 mg/L	0.000313	106.26%
Pb 220.353†	7.8	-0.00061 mg/L	0.000555	-0.00061 mg/L	0.000555	91.33%
Sb 206.836†	4.0	0.00381 mg/L	0.001228	0.00381 mg/L	0.001228	32.21%
Se 196.026†	4.4	0.00429 mg/L	0.002910	0.00429 mg/L	0.002910	67.81%
Si 251.611†	17.6	-0.00277 mg/L	0.000328	-0.00277 mg/L	0.000328	11.86%
Sn 189.927†	11.8	0.00101 mg/L	0.000566	0.00101 mg/L	0.000566	56.20%
Ti 334.940†	-315.7	-0.00042 mg/L	0.000063	-0.00042 mg/L	0.000063	14.96%
Tl 190.801†	-7.3	-0.00249 mg/L	0.003417	-0.00249 mg/L	0.003417	137.12%
V 290.880†	-67.7	-0.00008 mg/L	0.000463	-0.00008 mg/L	0.000463	549.58%
Zn 206.200†	606.9	0.0191 mg/L	0.00023	0.0191 mg/L	0.00023	1.19%
K 766.490†	146.4	0.0338 mg/L	0.02677	0.0338 mg/L	0.02677	79.29%
Na 589.592†	743.3	0.0383 mg/L	0.00278	0.0383 mg/L	0.00278	7.25%
Sr 407.771†	1521.0	0.00161 mg/L	0.000125	0.00161 mg/L	0.000125	7.74%
Li 670.784†	-131.8	-0.00098 mg/L	0.000770	-0.00098 mg/L	0.000770	78.40%

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Sequence No.: 14 **Autosampler Location: 39**
Sample ID: LCSW 59 WG356954-03 **Date Collected: 2/21/2011 1:20:41 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 59 WG356954-03

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: LCSW 59 WG356954-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5183132.4						47362.82	0.91%
YRADIAL	311747.5						4977.09	1.60%
Ga 417.206	1225424.9						31454.99	2.57%
GaRADIAL	60470.3						271.48	0.45%
Ag 328.068†	38010.9	0.190	mg/L	0.0067	0.190	mg/L	0.0067	3.54%
Al 396.153†	24793.9	4.83	mg/L	0.069	4.83	mg/L	0.069	1.42%
As 188.979†	195.1	0.182	mg/L	0.0059	0.182	mg/L	0.0059	3.26%
Ba 233.527†	27542.4	0.483	mg/L	0.0102	0.483	mg/L	0.0102	2.11%
Be 234.861†	13046.3	0.0233	mg/L	0.00082	0.0233	mg/L	0.00082	3.51%
B 249.677†	49588.5	0.941	mg/L	0.0373	0.941	mg/L	0.0373	3.97%
Ca 227.546†	465.2	4.64	mg/L	0.118	4.64	mg/L	0.118	2.54%
Cd 228.802†	405.2	0.0233	mg/L	0.00092	0.0233	mg/L	0.00092	3.94%
Co 228.616†	1775.2	0.0936	mg/L	0.00120	0.0936	mg/L	0.00120	1.29%
Cr 267.716†	26778.6	0.239	mg/L	0.0046	0.239	mg/L	0.0046	1.91%
Cu 327.393†	34973.8	0.245	mg/L	0.0101	0.245	mg/L	0.0101	4.12%
Fe 239.562†	887.8	1.95	mg/L	0.012	1.95	mg/L	0.012	0.60%
Mg 279.077†	4052.6	4.90	mg/L	0.036	4.90	mg/L	0.036	0.73%
Mn 257.610†	106428.7	0.246	mg/L	0.0056	0.246	mg/L	0.0056	2.27%
Mo 202.031†	6289.8	0.479	mg/L	0.0123	0.479	mg/L	0.0123	2.57%
Ni 231.604†	8043.8	0.241	mg/L	0.0063	0.241	mg/L	0.0063	2.63%
Pb 220.353†	1341.6	0.243	mg/L	0.0035	0.243	mg/L	0.0035	1.45%
Sb 206.836†	882.9	0.566	mg/L	0.0128	0.566	mg/L	0.0128	2.26%
Se 196.026†	254.5	0.184	mg/L	0.0093	0.184	mg/L	0.0093	5.08%
Si 251.611†	82538.5	2.44	mg/L	0.103	2.44	mg/L	0.103	4.21%
Sn 189.927†	-1.9	-0.00144	mg/L	0.001364	-0.00144	mg/L	0.001364	94.97%
Ti 334.940†	346562.5	0.482	mg/L	0.0089	0.482	mg/L	0.0089	1.85%
Tl 190.801†	382.3	0.239	mg/L	0.0037	0.239	mg/L	0.0037	1.56%
V 290.880†	70368.4	0.480	mg/L	0.0121	0.480	mg/L	0.0121	2.52%
Zn 206.200†	14723.7	0.465	mg/L	0.0090	0.465	mg/L	0.0090	1.94%
K 766.490†	64147.3	24.0	mg/L	0.22	24.0	mg/L	0.22	0.90%
Na 589.592†	330271.1	24.0	mg/L	0.46	24.0	mg/L	0.46	1.93%

Approved: February 22, 2011

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Sr 407.771†	507751.4	0.471	mg/L	0.0376	0.471	mg/L	0.0376 7.97%
Li 670.784†	40485.5	0.486	mg/L	0.0043	0.486	mg/L	0.0043 0.89%

Sequence No.: 15 **Autosampler Location: 40**
Sample ID: FBLK WG356907-01 **Date Collected: 2/21/2011 1:27:25 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: FBLK WG356907-01

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: FBLK WG356907-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5007855.3						23375.44	0.47%
YRADIAL	306309.4						6650.87	2.17%
Ga 417.206	1195118.8						17144.14	1.43%
GaRADIAL	58081.1						1623.25	2.79%
Ag 328.068†	-31.8	-0.00080	mg/L	0.001374	-0.00080	mg/L	0.001374	171.02%
Al 396.153†	-97.0	-0.0148	mg/L	0.01580	-0.0148	mg/L	0.01580	106.94%
As 188.979†	1.1	0.00062	mg/L	0.002330	0.00062	mg/L	0.002330	374.40%
Ba 233.527†	10.0	-0.00014	mg/L	0.000075	-0.00014	mg/L	0.000075	55.49%
Be 234.861†	-94.4	-0.00017	mg/L	0.000006	-0.00017	mg/L	0.000006	3.70%
B 249.677†	544.2	0.0116	mg/L	0.00017	0.0116	mg/L	0.00017	1.47%
Ca 227.546†	-2.3	0.0197	mg/L	0.01527	0.0197	mg/L	0.01527	77.69%
Cd 228.802†	5.5	0.00019	mg/L	0.000157	0.00019	mg/L	0.000157	83.74%
Co 228.616†	-4.8	-0.00029	mg/L	0.000199	-0.00029	mg/L	0.000199	67.92%
Cr 267.716†	52.8	0.00031	mg/L	0.000088	0.00031	mg/L	0.000088	28.44%
Cu 327.393†	-70.3	-0.00029	mg/L	0.001101	-0.00029	mg/L	0.001101	383.45%
Fe 239.562†	2.4	0.00806	mg/L	0.002996	0.00806	mg/L	0.002996	37.18%
Mg 279.077†	3.8	0.0214	mg/L	0.00687	0.0214	mg/L	0.00687	32.06%
Mn 257.610†	91.7	0.00135	mg/L	0.000037	0.00135	mg/L	0.000037	2.71%
Mo 202.031†	-3.3	-0.00029	mg/L	0.000379	-0.00029	mg/L	0.000379	132.11%
Ni 231.604†	12.1	0.00051	mg/L	0.000151	0.00051	mg/L	0.000151	29.28%
Pb 220.353†	15.6	0.00079	mg/L	0.001045	0.00079	mg/L	0.001045	131.84%
Sb 206.836†	5.6	0.00479	mg/L	0.000976	0.00479	mg/L	0.000976	20.36%
Se 196.026†	2.3	0.00274	mg/L	0.001598	0.00274	mg/L	0.001598	58.32%
Si 251.611†	2050.6	0.0577	mg/L	0.00051	0.0577	mg/L	0.00051	0.89%
Sn 189.927†	10.6	0.00080	mg/L	0.000089	0.00080	mg/L	0.000089	11.16%
Ti 334.940†	1192.6	0.00167	mg/L	0.000281	0.00167	mg/L	0.000281	16.81%
Tl 190.801†	-11.1	-0.00477	mg/L	0.001914	-0.00477	mg/L	0.001914	40.14%
V 290.880†	282.2	0.00230	mg/L	0.000458	0.00230	mg/L	0.000458	19.92%
Zn 206.200†	173.4	0.00546	mg/L	0.000110	0.00546	mg/L	0.000110	2.02%
K 766.490†	606.7	0.0642	mg/L	0.02259	0.0642	mg/L	0.02259	35.21%
Na 589.592†	1939694.0	142	mg/L	1.3	142	mg/L	1.3	0.89%
Sr 407.771†	425.9	0.00060	mg/L	0.000026	0.00060	mg/L	0.000026	4.37%
Li 670.784†	47.5	0.00117	mg/L	0.000936	0.00117	mg/L	0.000936	80.16%

Sequence No.: 16 **Autosampler Location: 41**
Sample ID: FBLK WG356907-02 **Date Collected: 2/21/2011 1:34:06 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: FBLK WG356907-02

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: FBLK WG356907-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5271273.8						39471.25	0.75%
YRADIAL	312057.0						2631.89	0.84%
Ga 417.206	1239073.3						18178.57	1.47%
GaRADIAL	60267.0						1316.92	2.19%

Approved: February 22, 2011

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Ag 328.068†	-191.9	-0.00161 mg/L	0.000104	-0.00161 mg/L	0.000104	6.48%
Al 396.153†	119.9	0.0275 mg/L	0.00686	0.0275 mg/L	0.00686	24.95%
As 188.979†	0.5	0.00006 mg/L	0.001866	0.00006 mg/L	0.001866	>999.9%
Ba 233.527†	22.6	0.00008 mg/L	0.000091	0.00008 mg/L	0.000091	113.79%
Be 234.861†	-82.4	-0.00015 mg/L	0.000007	-0.00015 mg/L	0.000007	4.76%
B 249.677†	319.1	0.00744 mg/L	0.000394	0.00744 mg/L	0.000394	5.29%
Ca 227.546†	22.1	0.253 mg/L	0.0661	0.253 mg/L	0.0661	26.11%
Cd 228.802†	5.9	0.00022 mg/L	0.000117	0.00022 mg/L	0.000117	53.16%
Co 228.616†	-1.9	-0.00014 mg/L	0.000329	-0.00014 mg/L	0.000329	230.10%
Cr 267.716†	80.6	0.00055 mg/L	0.000116	0.00055 mg/L	0.000116	20.89%
Cu 327.393†	150.4	0.00125 mg/L	0.000202	0.00125 mg/L	0.000202	16.11%
Fe 239.562†	11.2	0.0274 mg/L	0.00278	0.0274 mg/L	0.00278	10.16%
Mg 279.077†	27.1	0.0494 mg/L	0.00434	0.0494 mg/L	0.00434	8.77%
Mn 257.610†	887.5	0.00188 mg/L	0.000029	0.00188 mg/L	0.000029	1.54%
Mo 202.031†	-7.1	-0.00058 mg/L	0.000277	-0.00058 mg/L	0.000277	47.79%
Ni 231.604†	54.6	0.00179 mg/L	0.000244	0.00179 mg/L	0.000244	13.67%
Pb 220.353†	7.4	-0.00068 mg/L	0.000618	-0.00068 mg/L	0.000618	91.03%
Sb 206.836†	1.6	0.00225 mg/L	0.000929	0.00225 mg/L	0.000929	41.31%
Se 196.026†	4.2	0.00418 mg/L	0.002532	0.00418 mg/L	0.002532	60.58%
Si 251.611†	3993.3	0.115 mg/L	0.0080	0.115 mg/L	0.0080	6.92%
Sn 189.927†	11.6	0.00098 mg/L	0.000304	0.00098 mg/L	0.000304	31.13%
Ti 334.940†	1423.1	0.00200 mg/L	0.000003	0.00200 mg/L	0.000003	0.17%
Tl 190.801†	-9.7	-0.00394 mg/L	0.002263	-0.00394 mg/L	0.002263	57.39%
V 290.880†	-51.1	0.00003 mg/L	0.001573	0.00003 mg/L	0.001573	>999.9%
Zn 206.200†	142.5	0.00448 mg/L	0.000023	0.00448 mg/L	0.000023	0.51%
K 766.490†	133.5	0.0289 mg/L	0.03570	0.0289 mg/L	0.03570	123.64%
Na 589.592†	981.8	0.0556 mg/L	0.00198	0.0556 mg/L	0.00198	3.57%
Sr 407.771†	572.7	0.00073 mg/L	0.000099	0.00073 mg/L	0.000099	13.52%
Li 670.784†	-24.7	0.00030 mg/L	0.000628	0.00030 mg/L	0.000628	207.86%

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Sequence No.: 17 **Autosampler Location: 45**
Sample ID: L1102038701 **Date Collected: 2/21/2011 1:40:50 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102038701

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102038701

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5026234.7						57500.33	1.14%
YRADIAL	315516.3						3902.88	1.24%
Ga 417.206	1190520.7						20933.26	1.76%
GaRADIAL	60360.8						917.31	1.52%
Ag 328.068†	247.0	0.00051	mg/L	0.000274	0.00051	mg/L	0.000274	53.50%
Al 396.153†	395.8	0.0812	mg/L	0.01085	0.0812	mg/L	0.01085	13.36%
As 188.979†	8.3	0.00601	mg/L	0.003576	0.00601	mg/L	0.003576	59.45%
Ba 233.527†	5688.8	0.0992	mg/L	0.00171	0.0992	mg/L	0.00171	1.73%
Be 234.861†	-58.9	-0.00014	mg/L	0.000012	-0.00014	mg/L	0.000012	8.47%
B 249.677†	1958.1	0.0388	mg/L	0.00102	0.0388	mg/L	0.00102	2.62%
Ca 227.546†	7764.8	74.1	mg/L	1.85	74.1	mg/L	1.85	2.50%
Cd 228.802†	399.2	0.0231	mg/L	0.00028	0.0231	mg/L	0.00028	1.21%
Co 228.616†	-3.3	-0.00025	mg/L	0.000260	-0.00025	mg/L	0.000260	102.46%
Cr 267.716†	66.7	0.00046	mg/L	0.000075	0.00046	mg/L	0.000075	16.07%
Cu 327.393†	486.6	0.00373	mg/L	0.000770	0.00373	mg/L	0.000770	20.61%
Fe 239.562†	112.0	0.249	mg/L	0.0040	0.249	mg/L	0.0040	1.61%
Mg 279.077†	1215.0	1.48	mg/L	0.020	1.48	mg/L	0.020	1.36%
Mn 257.610†	37894.9	0.0881	mg/L	0.00287	0.0881	mg/L	0.00287	3.26%
Mo 202.031†	-0.8	-0.00007	mg/L	0.000185	-0.00007	mg/L	0.000185	267.33%
Ni 231.604†	52.2	0.00168	mg/L	0.000090	0.00168	mg/L	0.000090	5.39%
Pb 220.353†	18.6	0.00489	mg/L	0.002341	0.00489	mg/L	0.002341	47.91%
Sb 206.836†	14.9	0.0108	mg/L	0.00101	0.0108	mg/L	0.00101	9.39%
Se 196.026†	-26.8	0.00059	mg/L	0.003679	0.00059	mg/L	0.003679	625.30%
Si 251.611†	14578.0	0.430	mg/L	0.0152	0.430	mg/L	0.0152	3.53%
Sn 189.927†	11.8	0.00100	mg/L	0.000802	0.00100	mg/L	0.000802	80.17%
Ti 334.940†	1515.5	0.00286	mg/L	0.000267	0.00286	mg/L	0.000267	9.33%
Tl 190.801†	91.1	0.0505	mg/L	0.00260	0.0505	mg/L	0.00260	5.14%

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V 290.880†	9.7	0.00046 mg/L	0.000667	0.00046 mg/L	0.000667	145.82%
Zn 206.200†	57706.7	1.82 mg/L	0.047	1.82 mg/L	0.047	2.57%
K 766.490†	2114.5	0.634 mg/L	0.0452	0.634 mg/L	0.0452	7.13%
Na 589.592†	1880214.5	138 mg/L	1.3	138 mg/L	1.3	0.93%
Sr 407.771†	273027.5	0.254 mg/L	0.0215	0.254 mg/L	0.0215	8.47%
Li 670.784†	110.5	0.00192 mg/L	0.000630	0.00192 mg/L	0.000630	32.77%

Sequence No.: 18 **Autosampler Location: 46**
Sample ID: L1102038701PS WG356971-01 **Date Collected: 2/21/2011 1:47:40 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102038701PS WG356971-01

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102038701PS WG356971-01

	Mean Corrected	Calib.		Sample		
Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
Y 371.029	4893156.1				33937.51	0.69%
YRADIAL	302455.9				7265.22	2.40%
Ga 417.206	1182816.2				6222.46	0.53%
GaRADIAL	59170.0				219.26	0.37%
Ag 328.068†	39624.5	0.198 mg/L	0.0021	0.198 mg/L	0.0021	1.09%
Al 396.153†	25809.0	5.02 mg/L	0.017	5.02 mg/L	0.017	0.35%
As 188.979†	213.5	0.197 mg/L	0.0014	0.197 mg/L	0.0014	0.69%
Ba 233.527†	33168.2	0.581 mg/L	0.0111	0.581 mg/L	0.0111	1.90%
Be 234.861†	13780.0	0.0246 mg/L	0.00036	0.0246 mg/L	0.00036	1.45%
B 249.677†	53329.5	1.01 mg/L	0.016	1.01 mg/L	0.016	1.62%
Ca 227.546†	7575.1	72.5 mg/L	0.07	72.5 mg/L	0.07	0.09%
Cd 228.802†	779.8	0.0451 mg/L	0.00028	0.0451 mg/L	0.00028	0.62%
Co 228.616†	1842.6	0.0971 mg/L	0.00115	0.0971 mg/L	0.00115	1.19%
Cr 267.716†	28011.6	0.250 mg/L	0.0048	0.250 mg/L	0.0048	1.91%
Cu 327.393†	36476.5	0.256 mg/L	0.0041	0.256 mg/L	0.0041	1.60%
Fe 239.562†	1001.0	2.20 mg/L	0.037	2.20 mg/L	0.037	1.68%
Mg 279.077†	5196.2	6.27 mg/L	0.106	6.27 mg/L	0.106	1.69%
Mn 257.610†	143619.0	0.332 mg/L	0.0058	0.332 mg/L	0.0058	1.76%
Mo 202.031†	6720.0	0.512 mg/L	0.0034	0.512 mg/L	0.0034	0.67%
Ni 231.604†	8301.0	0.248 mg/L	0.0021	0.248 mg/L	0.0021	0.85%
Pb 220.353†	1425.9	0.262 mg/L	0.0017	0.262 mg/L	0.0017	0.63%
Sb 206.836†	929.1	0.595 mg/L	0.0018	0.595 mg/L	0.0018	0.30%
Se 196.026†	243.6	0.193 mg/L	0.0036	0.193 mg/L	0.0036	1.85%
Si 251.611†	99481.0	2.95 mg/L	0.030	2.95 mg/L	0.030	1.01%
Sn 189.927†	5.4	-0.00013 mg/L	0.001723	-0.00013 mg/L	0.001723	>999.9%
Ti 334.940†	361072.6	0.503 mg/L	0.0019	0.503 mg/L	0.0019	0.38%
Tl 190.801†	483.4	0.294 mg/L	0.0035	0.294 mg/L	0.0035	1.18%
V 290.880†	74654.4	0.509 mg/L	0.0088	0.509 mg/L	0.0088	1.74%
Zn 206.200†	68164.7	2.15 mg/L	0.035	2.15 mg/L	0.035	1.61%
K 766.490†	68109.2	25.4 mg/L	0.21	25.4 mg/L	0.21	0.84%
Na 589.592†	2051127.1	151 mg/L	2.1	151 mg/L	2.1	1.40%
Sr 407.771†	781560.7	0.726 mg/L	0.0604	0.726 mg/L	0.0604	8.32%
Li 670.784†	41066.9	0.493 mg/L	0.0015	0.493 mg/L	0.0015	0.30%

Sequence No.: 19 **Autosampler Location: 47**
Sample ID: L1102038701DL WG356971-02 **Date Collected: 2/21/2011 1:54:23 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102038701DL WG356971-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102038701DL WG356971-02

	Mean Corrected	Calib.		Sample		
Analyte	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD

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Y 371.029	5097763.7					20392.27	0.40%
YRADIAL	315012.8					9908.98	3.15%
Ga 417.206	1239901.4					8921.33	0.72%
GaRADIAL	60241.5					736.35	1.22%
Ag 328.068†	-6.8	-0.00070	mg/L	0.000304	-0.00070 mg/L	0.000304	43.59%
Al 396.153†	66.5	0.0171	mg/L	0.00422	0.0171 mg/L	0.00422	24.72%
As 188.979†	5.1	0.00419	mg/L	0.002897	0.00419 mg/L	0.002897	69.09%
Ba 233.527†	1101.7	0.0190	mg/L	0.00107	0.0190 mg/L	0.00107	5.64%
Be 234.861†	-0.7	-0.00001	mg/L	0.000006	-0.00001 mg/L	0.000006	72.78%
B 249.677†	738.3	0.0154	mg/L	0.00083	0.0154 mg/L	0.00083	5.36%
Ca 227.546†	1414.7	13.5	mg/L	0.83	13.5 mg/L	0.83	6.11%
Cd 228.802†	75.7	0.00425	mg/L	0.000296	0.00425 mg/L	0.000296	6.95%
Co 228.616†	-3.1	-0.00021	mg/L	0.000212	-0.00021 mg/L	0.000212	103.12%
Cr 267.716†	-2.5	-0.00018	mg/L	0.000113	-0.00018 mg/L	0.000113	62.69%
Cu 327.393†	30.3	0.00044	mg/L	0.000694	0.00044 mg/L	0.000694	157.69%
Fe 239.562†	26.3	0.0606	mg/L	0.00462	0.0606 mg/L	0.00462	7.62%
Mg 279.077†	282.4	0.357	mg/L	0.0117	0.357 mg/L	0.0117	3.28%
Mn 257.610†	7579.0	0.0175	mg/L	0.00152	0.0175 mg/L	0.00152	8.69%
Mo 202.031†	-2.1	-0.00019	mg/L	0.000237	-0.00019 mg/L	0.000237	125.57%
Ni 231.604†	12.4	0.00051	mg/L	0.000242	0.00051 mg/L	0.000242	47.41%
Pb 220.353†	10.1	0.00045	mg/L	0.001495	0.00045 mg/L	0.001495	332.69%
Sb 206.836†	6.9	0.00568	mg/L	0.001626	0.00568 mg/L	0.001626	28.62%
Se 196.026†	-6.4	-0.00007	mg/L	0.004336	-0.00007 mg/L	0.004336	>999.9%
Si 251.611†	3058.6	0.0876	mg/L	0.00703	0.0876 mg/L	0.00703	8.03%
Sn 189.927†	7.1	0.00016	mg/L	0.000822	0.00016 mg/L	0.000822	501.76%
Ti 334.940†	124.8	0.00032	mg/L	0.000062	0.00032 mg/L	0.000062	19.08%
Tl 190.801†	28.3	0.0178	mg/L	0.00217	0.0178 mg/L	0.00217	12.16%
V 290.880†	103.5	0.00109	mg/L	0.000350	0.00109 mg/L	0.000350	32.20%
Zn 206.200†	11542.2	0.364	mg/L	0.0296	0.364 mg/L	0.0296	8.12%
K 766.490†	599.3	0.171	mg/L	0.0192	0.171 mg/L	0.0192	11.22%
Na 589.592†	454334.5	33.0	mg/L	0.29	33.0 mg/L	0.29	0.87%
Sr 407.771†	65979.2	0.0615	mg/L	0.00429	0.0615 mg/L	0.00429	6.98%
Li 670.784†	179.7	0.00275	mg/L	0.000532	0.00275 mg/L	0.000532	19.33%

Sequence No.: 20 **Autosampler Location: 48**
Sample ID: L1102043801 WG356954-01 **Date Collected: 2/21/2011 2:01:07 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043801 WG356954-01

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102043801 WG356954-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5073911.3						25525.99	0.50%
YRADIAL	315167.7						4280.29	1.36%
Ga 417.206	1221064.2						7767.60	0.64%
GaRADIAL	60510.1						240.58	0.40%
Ag 328.068†	-103.1	-0.00131	mg/L	0.000854	-0.00131	mg/L	0.000854	65.24%
Al 396.153†	657.8	0.132	mg/L	0.0024	0.132	mg/L	0.0024	1.79%
As 188.979†	2.4	0.00185	mg/L	0.004897	0.00185	mg/L	0.004897	265.12%
Ba 233.527†	2368.8	0.0411	mg/L	0.00016	0.0411	mg/L	0.00016	0.38%
Be 234.861†	111.4	-0.00022	mg/L	0.000105	-0.00022	mg/L	0.000105	47.30%
B 249.677†	60008.9	1.14	mg/L	0.006	1.14	mg/L	0.006	0.48%
Ca 227.546†	1232.9	11.8	mg/L	0.02	11.8	mg/L	0.02	0.20%
Cd 228.802†	19.0	0.00098	mg/L	0.000321	0.00098	mg/L	0.000321	32.71%
Co 228.616†	21.2	0.00103	mg/L	0.000457	0.00103	mg/L	0.000457	44.54%
Cr 267.716†	174.2	0.00857	mg/L	0.000173	0.00857	mg/L	0.000173	2.02%
Cu 327.393†	-9.9	0.0114	mg/L	0.00080	0.0114	mg/L	0.00080	6.98%
Fe 239.562†	1027.7	2.26	mg/L	0.018	2.26	mg/L	0.018	0.79%
Mg 279.077†	53196.2	64.1	mg/L	0.17	64.1	mg/L	0.17	0.27%
Mn 257.610†	28100.3	0.0737	mg/L	0.00049	0.0737	mg/L	0.00049	0.67%
Mo 202.031†	239.6	0.0183	mg/L	0.00082	0.0183	mg/L	0.00082	4.47%
Ni 231.604†	52.6	0.00172	mg/L	0.000414	0.00172	mg/L	0.000414	24.11%
Pb 220.353†	18.8	0.00193	mg/L	0.000850	0.00193	mg/L	0.000850	44.06%
Sb 206.836†	64.1	0.0422	mg/L	0.00241	0.0422	mg/L	0.00241	5.70%
Se 196.026†	-13.8	-0.00501	mg/L	0.003083	-0.00501	mg/L	0.003083	61.56%

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Si 251.611†	19503.6	0.576	mg/L	0.0064	0.576	mg/L	0.0064 1.12%
Sn 189.927†	9.1	0.00052	mg/L	0.000839	0.00052	mg/L	0.000839 161.18%
Ti 334.940†	992.3	0.00151	mg/L	0.000195	0.00151	mg/L	0.000195 12.90%
Tl 190.801†	23.7	0.0152	mg/L	0.00435	0.0152	mg/L	0.00435 28.50%
V 290.880†	-1516.5	-0.00980	mg/L	0.000351	-0.00980	mg/L	0.000351 3.58%
Zn 206.200†	5720363.5	180	mg/L	2.4	180	mg/L	2.4 1.31%
K 766.490†	23502.9	8.79	mg/L	0.023	8.79	mg/L	0.023 0.26%
Na 589.592†	120820.4	8.76	mg/L	0.082	8.76	mg/L	0.082 0.94%
Sr 407.771†	40736.5	0.0378	mg/L	0.00316	0.0378	mg/L	0.00316 8.37%
Li 670.784†	299.9	0.00419	mg/L	0.000910	0.00419	mg/L	0.000910 21.69%

Sequence No.: 21 **Autosampler Location: 49**
Sample ID: L1102043801S WG356954-04 **Date Collected: 2/21/2011 2:07:54 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043801S WG356954-04

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102043801S WG356954-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4955338.7						36993.49	0.75%
YRADIAL	307671.8						4949.46	1.61%
Ga 417.206	1207662.9						8590.14	0.71%
GaRADIAL	58757.8						1787.45	3.04%
Ag 328.068†	39015.5	0.195	mg/L	0.0024	0.195	mg/L	0.0024	1.25%
Al 396.153†	27163.5	5.29	mg/L	0.044	5.29	mg/L	0.044	0.84%
As 188.979†	207.0	0.193	mg/L	0.0050	0.193	mg/L	0.0050	2.60%
Ba 233.527†	30818.2	0.540	mg/L	0.0078	0.540	mg/L	0.0078	1.44%
Be 234.861†	13634.9	0.0239	mg/L	0.00027	0.0239	mg/L	0.00027	1.11%
B 249.677†	111588.1	2.12	mg/L	0.028	2.12	mg/L	0.028	1.30%
Ca 227.546†	1763.3	17.0	mg/L	0.22	17.0	mg/L	0.22	1.27%
Cd 228.802†	431.6	0.0248	mg/L	0.00043	0.0248	mg/L	0.00043	1.73%
Co 228.616†	1832.0	0.0965	mg/L	0.00090	0.0965	mg/L	0.00090	0.94%
Cr 267.716†	28162.5	0.259	mg/L	0.0039	0.259	mg/L	0.0039	1.51%
Cu 327.393†	35488.5	0.260	mg/L	0.0036	0.260	mg/L	0.0036	1.38%
Fe 239.562†	1988.5	4.37	mg/L	0.174	4.37	mg/L	0.174	3.98%
Mg 279.077†	57581.1	69.3	mg/L	0.91	69.3	mg/L	0.91	1.32%
Mn 257.610†	141042.8	0.334	mg/L	0.0042	0.334	mg/L	0.0042	1.26%
Mo 202.031†	6924.5	0.528	mg/L	0.0056	0.528	mg/L	0.0056	1.06%
Ni 231.604†	8197.9	0.245	mg/L	0.0023	0.245	mg/L	0.0023	0.95%
Pb 220.353†	1422.2	0.258	mg/L	0.0026	0.258	mg/L	0.0026	1.01%
Sb 206.836†	969.9	0.622	mg/L	0.0063	0.622	mg/L	0.0063	1.01%
Se 196.026†	255.2	0.188	mg/L	0.0051	0.188	mg/L	0.0051	2.70%
Si 251.611†	107655.5	3.19	mg/L	0.030	3.19	mg/L	0.030	0.93%
Sn 189.927†	-3.6	-0.00175	mg/L	0.000798	-0.00175	mg/L	0.000798	45.68%
Ti 334.940†	370090.8	0.515	mg/L	0.0064	0.515	mg/L	0.0064	1.24%
Tl 190.801†	415.1	0.258	mg/L	0.0022	0.258	mg/L	0.0022	0.85%
V 290.880†	72911.5	0.497	mg/L	0.0058	0.497	mg/L	0.0058	1.16%
Zn 206.200†	5740826.4	181	mg/L	1.2	181	mg/L	1.2	0.67%
K 766.490†	90644.5	33.9	mg/L	0.16	33.9	mg/L	0.16	0.46%
Na 589.592†	466494.4	33.9	mg/L	0.43	33.9	mg/L	0.43	1.28%
Sr 407.771†	570944.5	0.530	mg/L	0.0389	0.530	mg/L	0.0389	7.34%
Li 670.784†	43054.3	0.517	mg/L	0.0026	0.517	mg/L	0.0026	0.50%

Sequence No.: 22 **Autosampler Location: 50**
Sample ID: L1102043801SD WG356954-05 **Date Collected: 2/21/2011 2:14:35 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043801SD WG356954-05

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Approved: February 22, 2011

Pierre Morris

Mean Data: L1102043801SD WG356954-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4899265.8						51939.19	1.06%
YRADIAL	305824.5						9750.44	3.19%
Ga 417.206	1181400.4						3220.90	0.27%
GaRADIAL	58490.3						924.46	1.58%
Ag 328.068†	39864.8	0.199	mg/L	0.0007	0.199	mg/L	0.0007	0.34%
Al 396.153†	26991.2	5.25	mg/L	0.054	5.25	mg/L	0.054	1.02%
As 188.979†	207.0	0.193	mg/L	0.0026	0.193	mg/L	0.0026	1.33%
Ba 233.527†	31187.9	0.547	mg/L	0.0087	0.547	mg/L	0.0087	1.59%
Be 234.861†	13895.5	0.0244	mg/L	0.00006	0.0244	mg/L	0.00006	0.25%
B 249.677†	114787.2	2.18	mg/L	0.016	2.18	mg/L	0.016	0.74%
Ca 227.546†	1795.8	17.3	mg/L	0.13	17.3	mg/L	0.13	0.77%
Cd 228.802†	439.7	0.0253	mg/L	0.00006	0.0253	mg/L	0.00006	0.24%
Co 228.616†	1846.9	0.0973	mg/L	0.00097	0.0973	mg/L	0.00097	1.00%
Cr 267.716†	28540.3	0.262	mg/L	0.0030	0.262	mg/L	0.0030	1.13%
Cu 327.393†	36248.2	0.265	mg/L	0.0024	0.265	mg/L	0.0024	0.90%
Fe 239.562†	1936.7	4.25	mg/L	0.084	4.25	mg/L	0.084	1.98%
Mg 279.077†	56842.3	68.4	mg/L	0.30	68.4	mg/L	0.30	0.44%
Mn 257.610†	140269.3	0.333	mg/L	0.0056	0.333	mg/L	0.0056	1.67%
Mo 202.031†	6978.5	0.532	mg/L	0.0081	0.532	mg/L	0.0081	1.52%
Ni 231.604†	8292.0	0.248	mg/L	0.0034	0.248	mg/L	0.0034	1.39%
Pb 220.353†	1427.3	0.259	mg/L	0.0026	0.259	mg/L	0.0026	1.00%
Sb 206.836†	982.2	0.629	mg/L	0.0005	0.629	mg/L	0.0005	0.08%
Se 196.026†	256.9	0.190	mg/L	0.0028	0.190	mg/L	0.0028	1.48%
Si 251.611†	111995.6	3.32	mg/L	0.045	3.32	mg/L	0.045	1.34%
Sn 189.927†	3.6	-0.00046	mg/L	0.000872	-0.00046	mg/L	0.000872	191.46%
Ti 334.940†	375531.9	0.522	mg/L	0.0098	0.522	mg/L	0.0098	1.88%
Tl 190.801†	422.7	0.262	mg/L	0.0037	0.262	mg/L	0.0037	1.39%
V 290.880†	73991.5	0.505	mg/L	0.0082	0.505	mg/L	0.0082	1.63%
Zn 206.200†	5811521.2	183	mg/L	0.8	183	mg/L	0.8	0.41%
K 766.490†	90361.6	33.8	mg/L	0.18	33.8	mg/L	0.18	0.53%
Na 589.592†	465508.9	33.9	mg/L	0.21	33.9	mg/L	0.21	0.63%
Sr 407.771†	561212.4	0.521	mg/L	0.0498	0.521	mg/L	0.0498	9.56%
Li 670.784†	43012.3	0.516	mg/L	0.0051	0.516	mg/L	0.0051	1.00%

Sequence No.: 23 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 2:21:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4935531.6						31129.54	0.63%
YRADIAL	302216.9						2676.36	0.89%
Ga 417.206	1182744.6						7687.46	0.65%
GaRADIAL	58283.8						894.66	1.54%
Ag 328.068†	79496.0	0.397	mg/L	0.0068	0.397	mg/L	0.0068	1.71%
QC value within limits for Ag 328.068 Recovery = 99.37%								
Al 396.153†	51970.0	10.1	mg/L	0.04	10.1	mg/L	0.04	0.35%
QC value within limits for Al 396.153 Recovery = 101.13%								
As 188.979†	421.8	0.393	mg/L	0.0064	0.393	mg/L	0.0064	1.64%
QC value within limits for As 188.979 Recovery = 98.33%								
Ba 233.527†	57205.6	1.00	mg/L	0.016	1.00	mg/L	0.016	1.58%
QC value within limits for Ba 233.527 Recovery = 100.30%								
Be 234.861†	28159.8	0.0503	mg/L	0.00081	0.0503	mg/L	0.00081	1.61%
QC value within limits for Be 234.861 Recovery = 100.56%								
B 249.677†	28158.1	0.539	mg/L	0.0098	0.539	mg/L	0.0098	1.81%
QC value within limits for B 249.677 Recovery = 107.82%								
Ca 227.546†	1028.7	10.2	mg/L	0.09	10.2	mg/L	0.09	0.92%
QC value within limits for Ca 227.546 Recovery = 101.85%								
Cd 228.802†	869.6	0.0502	mg/L	0.00033	0.0502	mg/L	0.00033	0.66%

Approved: February 22, 2011

Pierre Morris

QC value within limits for Cd 228.802 Recovery = 100.30%
Co 228.616† 3776.4 0.199 mg/L 0.0014 0.199 mg/L 0.0014 0.68%
QC value within limits for Co 228.616 Recovery = 99.61%
Cr 267.716† 55509.4 0.496 mg/L 0.0077 0.496 mg/L 0.0077 1.54%
QC value within limits for Cr 267.716 Recovery = 99.19%
Cu 327.393† 72018.5 0.504 mg/L 0.0109 0.504 mg/L 0.0109 2.15%
QC value within limits for Cu 327.393 Recovery = 100.81%
Fe 239.562† 1820.5 4.00 mg/L 0.046 4.00 mg/L 0.046 1.14%
QC value within limits for Fe 239.562 Recovery = 99.96%
Mg 279.077† 8240.4 9.94 mg/L 0.105 9.94 mg/L 0.105 1.06%
QC value within limits for Mg 279.077 Recovery = 99.40%
Mn 257.610† 218959.0 0.505 mg/L 0.0004 0.505 mg/L 0.0004 0.09%
QC value within limits for Mn 257.610 Recovery = 101.06%
Mo 202.031† 13061.2 0.995 mg/L 0.0127 0.995 mg/L 0.0127 1.27%
QC value within limits for Mo 202.031 Recovery = 99.50%
Ni 231.604† 16615.2 0.497 mg/L 0.0074 0.497 mg/L 0.0074 1.48%
QC value within limits for Ni 231.604 Recovery = 99.42%
Pb 220.353† 2884.2 0.524 mg/L 0.0049 0.524 mg/L 0.0049 0.94%
QC value within limits for Pb 220.353 Recovery = 104.89%
Sb 206.836† 1864.1 1.19 mg/L 0.005 1.19 mg/L 0.005 0.38%
QC value within limits for Sb 206.836 Recovery = 99.44%
Se 196.026† 550.5 0.397 mg/L 0.0053 0.397 mg/L 0.0053 1.33%
QC value within limits for Se 196.026 Recovery = 99.18%
Si 251.611† 168438.0 4.99 mg/L 0.011 4.99 mg/L 0.011 0.21%
QC value within limits for Si 251.611 Recovery = 99.77%
Sn 189.927† 5700.2 1.02 mg/L 0.006 1.02 mg/L 0.006 0.55%
QC value within limits for Sn 189.927 Recovery = 101.83%
Ti 334.940† 721267.7 1.00 mg/L 0.005 1.00 mg/L 0.005 0.48%
QC value within limits for Ti 334.940 Recovery = 100.27%
Tl 190.801† 830.0 0.515 mg/L 0.0029 0.515 mg/L 0.0029 0.57%
QC value within limits for Tl 190.801 Recovery = 103.04%
V 290.880† 146849.7 1.00 mg/L 0.001 1.00 mg/L 0.001 0.12%
QC value within limits for V 290.880 Recovery = 100.07%
Zn 206.200† 31903.8 1.01 mg/L 0.013 1.01 mg/L 0.013 1.31%
QC value within limits for Zn 206.200 Recovery = 100.78%
K 766.490† 133351.0 49.9 mg/L 0.57 49.9 mg/L 0.57 1.14%
QC value within limits for K 766.490 Recovery = 99.80%
Na 589.592† 684010.5 49.8 mg/L 0.35 49.8 mg/L 0.35 0.71%
QC value within limits for Na 589.592 Recovery = 99.64%
Sr 407.771† 1053025.7 0.977 mg/L 0.0626 0.977 mg/L 0.0626 6.40%
QC value within limits for Sr 407.771 Recovery = 97.75%
Li 670.784† 83972.6 1.01 mg/L 0.005 1.01 mg/L 0.005 0.53%
QC value within limits for Li 670.784 Recovery = 100.75%
All analyte(s) passed QC.

Sequence No.: 24 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 2:27:58 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5207895.1						59454.21	1.14%
YRADIAL	322776.7						5567.52	1.72%
Ga 417.206	1237910.4						14734.85	1.19%
GaRADIAL	61536.4						2016.11	3.28%
Ag 328.068†	15.3	-0.00057	mg/L	0.000877	-0.00057	mg/L	0.000877	153.21%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-52.8	-0.00616	mg/L	0.010494	-0.00616	mg/L	0.010494	170.27%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-1.1	-0.00138	mg/L	0.000490	-0.00138	mg/L	0.000490	35.39%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	0.8	-0.00030	mg/L	0.000034	-0.00030	mg/L	0.000034	11.17%
QC value within limits for Ba 233.527 Recovery = Not calculated								

Approved: February 22, 2011
Pierre Morris

Be 234.861†	-2.6	0.00000 mg/L	0.000016	0.00000 mg/L	0.000016	771.38%	
QC value within limits for Be 234.861 Recovery = Not calculated							
B 249.677†	1787.4	0.0351 mg/L	0.00149	0.0351 mg/L	0.00149	4.25%	
QC value within limits for B 249.677 Recovery = Not calculated							
Ca 227.546†	-0.8	0.0333 mg/L	0.01348	0.0333 mg/L	0.01348	40.44%	
QC value within limits for Ca 227.546 Recovery = Not calculated							
Cd 228.802†	3.7	0.00010 mg/L	0.000131	0.00010 mg/L	0.000131	129.52%	
QC value within limits for Cd 228.802 Recovery = Not calculated							
Co 228.616†	0.6	0.00000 mg/L	0.000050	0.00000 mg/L	0.000050	>999.9%	
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 267.716†	-6.4	-0.00022 mg/L	0.000061	-0.00022 mg/L	0.000061	27.40%	
QC value within limits for Cr 267.716 Recovery = Not calculated							
Cu 327.393†	-0.9	0.00019 mg/L	0.000456	0.00019 mg/L	0.000456	236.32%	
QC value within limits for Cu 327.393 Recovery = Not calculated							
Fe 239.562†	-0.7	0.00124 mg/L	0.004854	0.00124 mg/L	0.004854	390.86%	
QC value within limits for Fe 239.562 Recovery = Not calculated							
Mg 279.077†	-10.7	0.00396 mg/L	0.002471	0.00396 mg/L	0.002471	62.40%	
QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	16.0	-0.00014 mg/L	0.000016	-0.00014 mg/L	0.000016	11.32%	
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	0.9	0.00003 mg/L	0.000246	0.00003 mg/L	0.000246	779.71%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Ni 231.604†	5.1	0.00030 mg/L	0.000156	0.00030 mg/L	0.000156	51.18%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	0.4	-0.00195 mg/L	0.000440	-0.00195 mg/L	0.000440	22.56%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	0.2	0.00141 mg/L	0.001372	0.00141 mg/L	0.001372	97.54%	
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	0.3	0.00137 mg/L	0.001964	0.00137 mg/L	0.001964	143.43%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	48.2	-0.00186 mg/L	0.000334	-0.00186 mg/L	0.000334	17.91%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	2.6	-0.00063 mg/L	0.000530	-0.00063 mg/L	0.000530	83.65%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 334.940†	-23.3	-0.00002 mg/L	0.000337	-0.00002 mg/L	0.000337	>999.9%	
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	-0.6	0.00156 mg/L	0.001694	0.00156 mg/L	0.001694	108.46%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 290.880†	-133.5	-0.00053 mg/L	0.001165	-0.00053 mg/L	0.001165	219.01%	
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	187.9	0.00591 mg/L	0.000360	0.00591 mg/L	0.000360	6.08%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
K 766.490†	78.2	0.00819 mg/L	0.034147	0.00819 mg/L	0.034147	417.10%	
QC value within limits for K 766.490 Recovery = Not calculated							
Na 589.592†	454.6	0.0173 mg/L	0.00533	0.0173 mg/L	0.00533	30.75%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Sr 407.771†	54.6	0.00025 mg/L	0.000102	0.00025 mg/L	0.000102	40.44%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Li 670.784†	-130.8	-0.00097 mg/L	0.001365	-0.00097 mg/L	0.001365	140.67%	
QC value within limits for Li 670.784 Recovery = Not calculated							

All analyte(s) passed QC.
User canceled analysis.

Approved: February 22, 2011

Pierre Morris

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Analysis Begun

Start Time: 2/21/2011 2:36:40 PM **Plasma On Time: 2/21/2011 7:55:44 AM**
Logged In Analyst: peicp2 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N4011401 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\peicp2\Sample Information\MONDAY1.sif
Batch ID:
Results Data Set: 022111H2
Results Library: C:\pe\peicp2\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 42**
Sample ID: L1102035701 **Date Collected: 2/21/2011 2:36:41 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035701

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102035701

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4971961.9						34224.45	0.69%
YRADIAL	309390.5						2237.08	0.72%
Ga 417.206	1172775.1						21182.88	1.81%
GaRADIAL	58561.6						1015.66	1.73%
Ag 328.068†	385.0	0.00126	mg/L	0.000564	0.00126	mg/L	0.000564	44.74%
Al 396.153†	-2.1	0.00373	mg/L	0.007960	0.00373	mg/L	0.007960	213.58%
As 188.979†	8.2	0.00582	mg/L	0.003520	0.00582	mg/L	0.003520	60.45%
Ba 233.527†	27878.8	0.487	mg/L	0.0043	0.487	mg/L	0.0043	0.88%
Be 234.861†	-103.8	-0.00018	mg/L	0.000045	-0.00018	mg/L	0.000045	24.87%
B 249.677†	2084.3	0.0407	mg/L	0.00094	0.0407	mg/L	0.00094	2.32%
Ca 227.546†	8178.8	78.1	mg/L	1.30	78.1	mg/L	1.30	1.66%
Cd 228.802†	21.5	0.00107	mg/L	0.000210	0.00107	mg/L	0.000210	19.52%
Co 228.616†	-12.3	-0.00086	mg/L	0.000162	-0.00086	mg/L	0.000162	18.78%
Cr 267.716†	91.8	0.00065	mg/L	0.000060	0.00065	mg/L	0.000060	9.29%
Cu 327.393†	-371.8	-0.00239	mg/L	0.000755	-0.00239	mg/L	0.000755	31.65%
Fe 239.562†	9.4	0.0234	mg/L	0.00470	0.0234	mg/L	0.00470	20.11%
Mg 279.077†	1195.2	1.46	mg/L	0.010	1.46	mg/L	0.010	0.72%
Mn 257.610†	8205.8	0.0201	mg/L	0.00013	0.0201	mg/L	0.00013	0.65%
Mo 202.031†	-5.9	-0.00049	mg/L	0.000295	-0.00049	mg/L	0.000295	60.75%
Ni 231.604†	252.2	0.00766	mg/L	0.000082	0.00766	mg/L	0.000082	1.07%
Pb 220.353†	40.5	0.00905	mg/L	0.000847	0.00905	mg/L	0.000847	9.36%
Sb 206.836†	18.9	0.0133	mg/L	0.00085	0.0133	mg/L	0.00085	6.41%
Se 196.026†	-36.9	-0.00573	mg/L	0.001967	-0.00573	mg/L	0.001967	34.34%
Si 251.611†	12910.3	0.380	mg/L	0.0062	0.380	mg/L	0.0062	1.62%
Sn 189.927†	9.7	0.00064	mg/L	0.001512	0.00064	mg/L	0.001512	235.85%
Ti 334.940†	1155.5	0.00240	mg/L	0.000127	0.00240	mg/L	0.000127	5.29%
Tl 190.801†	92.5	0.0509	mg/L	0.00391	0.0509	mg/L	0.00391	7.68%
V 290.880†	164.8	0.00148	mg/L	0.000818	0.00148	mg/L	0.000818	55.21%
Zn 206.200†	554.7	0.0175	mg/L	0.00001	0.0175	mg/L	0.00001	0.08%
K 766.490†	902.6	0.181	mg/L	0.0206	0.181	mg/L	0.0206	11.36%
Na 589.592†	1858922.5	136	mg/L	1.1	136	mg/L	1.1	0.82%
Sr 407.771†	69761.7	0.0650	mg/L	0.00579	0.0650	mg/L	0.00579	8.92%
Li 670.784†	155.8	0.00247	mg/L	0.001651	0.00247	mg/L	0.001651	66.94%

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Sequence No.: 2 **Autosampler Location: 43**
Sample ID: L1102035801 **Date Collected: 2/21/2011 2:43:25 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102035801

Analyte	Back Pressure	Flow

Approved: February 22, 2011

Pierre Morris

All	169.0 kPa	0.50 L/min

Mean Data: L1102035801

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5097886.0						62797.22	1.23%
YRADIAL	310540.0						3496.33	1.13%
Ga 417.206	1214448.2						12033.62	0.99%
GaRADIAL	59220.3						795.25	1.34%
Ag 328.068†	419.4	0.00142	mg/L	0.000474	0.00142	mg/L	0.000474	33.29%
Al 396.153†	192.6	0.0416	mg/L	0.00612	0.0416	mg/L	0.00612	14.70%
As 188.979†	9.3	0.00675	mg/L	0.002635	0.00675	mg/L	0.002635	39.03%
Ba 233.527†	17643.3	0.308	mg/L	0.0051	0.308	mg/L	0.0051	1.64%
Be 234.861†	-68.2	-0.00014	mg/L	0.000007	-0.00014	mg/L	0.000007	4.66%
B 249.677†	1916.2	0.0381	mg/L	0.00072	0.0381	mg/L	0.00072	1.90%
Ca 227.546†	8680.7	82.8	mg/L	0.56	82.8	mg/L	0.56	0.67%
Cd 228.802†	15.0	0.00069	mg/L	0.000086	0.00069	mg/L	0.000086	12.47%
Co 228.616†	-8.8	-0.00062	mg/L	0.000399	-0.00062	mg/L	0.000399	64.53%
Cr 267.716†	149.5	0.00116	mg/L	0.000044	0.00116	mg/L	0.000044	3.82%
Cu 327.393†	-134.5	-0.00071	mg/L	0.000714	-0.00071	mg/L	0.000714	100.67%
Fe 239.562†	61.2	0.137	mg/L	0.0090	0.137	mg/L	0.0090	6.56%
Mg 279.077†	874.6	1.07	mg/L	0.012	1.07	mg/L	0.012	1.11%
Mn 257.610†	11356.0	0.0272	mg/L	0.00027	0.0272	mg/L	0.00027	1.00%
Mo 202.031†	0.5	0.00001	mg/L	0.000342	0.00001	mg/L	0.000342	>999.9%
Ni 231.604†	133.4	0.00410	mg/L	0.000253	0.00410	mg/L	0.000253	6.17%
Pb 220.353†	-5.0	0.00105	mg/L	0.001043	0.00105	mg/L	0.001043	99.68%
Sb 206.836†	21.2	0.0148	mg/L	0.00292	0.0148	mg/L	0.00292	19.74%
Se 196.026†	-28.9	0.00122	mg/L	0.010980	0.00122	mg/L	0.010980	900.99%
Si 251.611†	7552.7	0.221	mg/L	0.0015	0.221	mg/L	0.0015	0.67%
Sn 189.927†	14.4	0.00148	mg/L	0.000931	0.00148	mg/L	0.000931	62.85%
Ti 334.940†	2923.0	0.00491	mg/L	0.000225	0.00491	mg/L	0.000225	4.58%
Tl 190.801†	100.9	0.0556	mg/L	0.00094	0.0556	mg/L	0.00094	1.69%
V 290.880†	239.4	0.00200	mg/L	0.000245	0.00200	mg/L	0.000245	12.21%
Zn 206.200†	2845.5	0.0897	mg/L	0.00105	0.0897	mg/L	0.00105	1.18%
K 766.490†	930.4	0.193	mg/L	0.0227	0.193	mg/L	0.0227	11.78%
Na 589.592†	1845273.5	135	mg/L	1.5	135	mg/L	1.5	1.11%
Sr 407.771†	91009.3	0.0847	mg/L	0.00753	0.0847	mg/L	0.00753	8.89%
Li 670.784†	174.6	0.00269	mg/L	0.001686	0.00269	mg/L	0.001686	62.64%

Sequence No.: 3 **Autosampler Location: 44**
Sample ID: L1102038202 **Date Collected: 2/21/2011 2:50:06 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102038202

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102038202

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5037362.6						23162.38	0.46%
YRADIAL	315491.0						2201.43	0.70%
Ga 417.206	1187631.2						12637.18	1.06%
GaRADIAL	59475.9						548.83	0.92%
Ag 328.068†	76.2	-0.00046	mg/L	0.000715	-0.00046	mg/L	0.000715	155.22%
Al 396.153†	10331.9	2.02	mg/L	0.006	2.02	mg/L	0.006	0.31%
As 188.979†	2.0	0.00182	mg/L	0.004194	0.00182	mg/L	0.004194	230.72%
Ba 233.527†	1513.7	0.0262	mg/L	0.00023	0.0262	mg/L	0.00023	0.87%
Be 234.861†	395.9	-0.00004	mg/L	0.000083	-0.00004	mg/L	0.000083	205.58%
B 249.677†	3551.2	0.0834	mg/L	0.00133	0.0834	mg/L	0.00133	1.59%
Ca 227.546†	500.2	4.84	mg/L	0.082	4.84	mg/L	0.082	1.70%
Cd 228.802†	10.7	0.00052	mg/L	0.000098	0.00052	mg/L	0.000098	18.91%
Co 228.616†	43.6	0.00213	mg/L	0.000325	0.00213	mg/L	0.000325	15.24%
Cr 267.716†	421.5	0.00354	mg/L	0.000040	0.00354	mg/L	0.000040	1.12%
Cu 327.393†	4195.4	0.0299	mg/L	0.00070	0.0299	mg/L	0.00070	2.32%
Fe 239.562†	1691.9	3.72	mg/L	0.015	3.72	mg/L	0.015	0.40%
Mg 279.077†	1033.5	1.26	mg/L	0.005	1.26	mg/L	0.005	0.36%

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Mn 257.610†	38923.6	0.0906	mg/L	0.00065	0.0906	mg/L	0.00065 0.71%
Mo 202.031†	-8.5	-0.00049	mg/L	0.000450	-0.00049	mg/L	0.000450 92.67%
Ni 231.604†	518.5	0.0157	mg/L	0.00033	0.0157	mg/L	0.00033 2.10%
Pb 220.353†	117.9	0.0194	mg/L	0.00066	0.0194	mg/L	0.00066 3.38%
Sb 206.836†	3.8	0.00368	mg/L	0.002074	0.00368	mg/L	0.002074 56.36%
Se 196.026†	-1.0	0.00271	mg/L	0.002058	0.00271	mg/L	0.002058 75.86%
Si 251.611†	37774.4	1.12	mg/L	0.018	1.12	mg/L	0.018 1.60%
Sn 189.927†	10.7	0.00081	mg/L	0.000572	0.00081	mg/L	0.000572 71.08%
Ti 334.940†	18030.5	0.0251	mg/L	0.00048	0.0251	mg/L	0.00048 1.92%
Tl 190.801†	0.4	0.00216	mg/L	0.003034	0.00216	mg/L	0.003034 140.58%
V 290.880†	676.6	0.00527	mg/L	0.000467	0.00527	mg/L	0.000467 8.87%
Zn 206.200†	16688.9	0.526	mg/L	0.0049	0.526	mg/L	0.0049 0.94%
K 766.490†	1489.5	0.397	mg/L	0.0185	0.397	mg/L	0.0185 4.65%
Na 589.592†	1919454.8	141	mg/L	1.1	141	mg/L	1.1 0.79%
Sr 407.771†	15100.8	0.0138	mg/L	0.00091	0.0138	mg/L	0.00091 6.60%
Li 670.784†	576.5	0.00751	mg/L	0.000928	0.00751	mg/L	0.000928 12.36%

Sequence No.: 4 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 2:56:46 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4895467.1						80299.76	1.64%
YRADIAL	308414.7						3132.53	1.02%
Ga 417.206	1171441.2						20741.11	1.77%
GaRADIAL	59381.0						1600.68	2.70%
Ag 328.068†	79787.2	0.399	mg/L	0.0057	0.399	mg/L	0.0057	1.43%
QC value within limits for Ag 328.068 Recovery = 99.74%								
Al 396.153†	51718.8	10.1	mg/L	0.04	10.1	mg/L	0.04	0.43%
QC value within limits for Al 396.153 Recovery = 100.64%								
As 188.979†	431.0	0.402	mg/L	0.0078	0.402	mg/L	0.0078	1.94%
QC value within limits for As 188.979 Recovery = 100.45%								
Ba 233.527†	57685.7	1.01	mg/L	0.014	1.01	mg/L	0.014	1.37%
QC value within limits for Ba 233.527 Recovery = 101.14%								
Be 234.861†	28545.7	0.0510	mg/L	0.00068	0.0510	mg/L	0.00068	1.34%
QC value within limits for Be 234.861 Recovery = 102.03%								
B 249.677†	27186.3	0.521	mg/L	0.0081	0.521	mg/L	0.0081	1.55%
QC value within limits for B 249.677 Recovery = 104.15%								
Ca 227.546†	1044.4	10.3	mg/L	0.15	10.3	mg/L	0.15	1.42%
QC value within limits for Ca 227.546 Recovery = 103.41%								
Cd 228.802†	874.8	0.0504	mg/L	0.00090	0.0504	mg/L	0.00090	1.79%
QC value within limits for Cd 228.802 Recovery = 100.83%								
Co 228.616†	3805.4	0.201	mg/L	0.0033	0.201	mg/L	0.0033	1.67%
QC value within limits for Co 228.616 Recovery = 100.39%								
Cr 267.716†	56064.1	0.501	mg/L	0.0062	0.501	mg/L	0.0062	1.25%
QC value within limits for Cr 267.716 Recovery = 100.18%								
Cu 327.393†	72380.4	0.507	mg/L	0.0091	0.507	mg/L	0.0091	1.79%
QC value within limits for Cu 327.393 Recovery = 101.31%								
Fe 239.562†	1808.8	3.97	mg/L	0.100	3.97	mg/L	0.100	2.51%
QC value within limits for Fe 239.562 Recovery = 99.32%								
Mg 279.077†	8156.2	9.84	mg/L	0.197	9.84	mg/L	0.197	2.00%
QC value within limits for Mg 279.077 Recovery = 98.38%								
Mn 257.610†	219991.2	0.508	mg/L	0.0065	0.508	mg/L	0.0065	1.28%
QC value within limits for Mn 257.610 Recovery = 101.53%								
Mo 202.031†	13503.2	1.03	mg/L	0.017	1.03	mg/L	0.017	1.63%
QC value within limits for Mo 202.031 Recovery = 102.87%								
Ni 231.604†	16817.1	0.503	mg/L	0.0070	0.503	mg/L	0.0070	1.39%
QC value within limits for Ni 231.604 Recovery = 100.63%								
Pb 220.353†	2896.6	0.527	mg/L	0.0083	0.527	mg/L	0.0083	1.58%
QC value within limits for Pb 220.353 Recovery = 105.37%								
Sb 206.836†	1883.3	1.21	mg/L	0.024	1.21	mg/L	0.024	1.97%
QC value within limits for Sb 206.836 Recovery = 100.47%								

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Se 196.026†	560.6	0.404 mg/L	0.0106	0.404 mg/L	0.0106	2.62%
QC value within limits for Se 196.026 Recovery = 100.99%						
Si 251.611†	169274.0	5.01 mg/L	0.075	5.01 mg/L	0.075	1.49%
QC value within limits for Si 251.611 Recovery = 100.26%						
Sn 189.927†	5743.7	1.03 mg/L	0.018	1.03 mg/L	0.018	1.76%
QC value within limits for Sn 189.927 Recovery = 102.61%						
Ti 334.940†	718261.0	0.999 mg/L	0.0047	0.999 mg/L	0.0047	0.48%
QC value within limits for Ti 334.940 Recovery = 99.86%						
Tl 190.801†	833.6	0.517 mg/L	0.0048	0.517 mg/L	0.0048	0.93%
QC value within limits for Tl 190.801 Recovery = 103.47%						
V 290.880†	146903.8	1.00 mg/L	0.014	1.00 mg/L	0.014	1.37%
QC value within limits for V 290.880 Recovery = 100.11%						
Zn 206.200†	31961.1	1.01 mg/L	0.012	1.01 mg/L	0.012	1.22%
QC value within limits for Zn 206.200 Recovery = 100.96%						
K 766.490†	132845.3	49.7 mg/L	0.25	49.7 mg/L	0.25	0.50%
QC value within limits for K 766.490 Recovery = 99.42%						
Na 589.592†	682852.0	49.7 mg/L	0.37	49.7 mg/L	0.37	0.75%
QC value within limits for Na 589.592 Recovery = 99.47%						
Sr 407.771†	1025826.4	0.952 mg/L	0.0893	0.952 mg/L	0.0893	9.38%
QC value within limits for Sr 407.771 Recovery = 95.22%						
Li 670.784†	83658.0	1.00 mg/L	0.005	1.00 mg/L	0.005	0.47%
QC value within limits for Li 670.784 Recovery = 100.37%						

All analyte(s) passed QC.

Sequence No.: 5 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 3:03:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5213082.6						21050.84	0.40%
YRADIAL	313957.2						1434.93	0.46%
Ga 417.206	1241024.7						1152.86	0.09%
GaRADIAL	60384.5						937.05	1.55%
Ag 328.068†	50.6	-0.00039	mg/L	0.000791	-0.00039	mg/L	0.000791	200.68%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-21.6	-0.00009	mg/L	0.004549	-0.00009	mg/L	0.004549	>999.9%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.1	0.00062	mg/L	0.000646	0.00062	mg/L	0.000646	104.21%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	17.3	-0.00001	mg/L	0.000399	-0.00001	mg/L	0.000399	>999.9%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	0.3	0.00000	mg/L	0.000010	0.00000	mg/L	0.000010	264.52%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	771.8	0.0159	mg/L	0.00005	0.0159	mg/L	0.00005	0.34%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-5.0	-0.00698	mg/L	0.040106	-0.00698	mg/L	0.040106	574.74%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	0.7	-0.00009	mg/L	0.000185	-0.00009	mg/L	0.000185	211.95%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	4.1	0.00019	mg/L	0.000082	0.00019	mg/L	0.000082	43.89%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-19.4	-0.00034	mg/L	0.000047	-0.00034	mg/L	0.000047	13.82%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-39.8	-0.00008	mg/L	0.000411	-0.00008	mg/L	0.000411	520.12%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-2.4	-0.00257	mg/L	0.002582	-0.00257	mg/L	0.002582	100.33%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-12.1	0.00227	mg/L	0.008413	0.00227	mg/L	0.008413	370.23%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	14.4	-0.00014	mg/L	0.000018	-0.00014	mg/L	0.000018	12.41%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.3	0.00006	mg/L	0.000371	0.00006	mg/L	0.000371	580.10%

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QC value within limits for Mo 202.031 Recovery = Not calculated

Ni 231.604†	3.2	0.00025 mg/L	0.000212	0.00025 mg/L	0.000212	85.58%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	5.6	-0.00100 mg/L	0.000670	-0.00100 mg/L	0.000670	66.72%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	-2.0	0.00000 mg/L	0.000517	0.00000 mg/L	0.000517	>999.9%	
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	-0.2	0.00100 mg/L	0.002125	0.00100 mg/L	0.002125	211.73%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	21.5	-0.00266 mg/L	0.000659	-0.00266 mg/L	0.000659	24.80%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	2.8	-0.00059 mg/L	0.000327	-0.00059 mg/L	0.000327	55.17%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 334.940†	1.6	0.00002 mg/L	0.000043	0.00002 mg/L	0.000043	253.49%	
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	-3.0	0.00013 mg/L	0.004334	0.00013 mg/L	0.004334	>999.9%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 290.880†	20.9	0.00052 mg/L	0.000385	0.00052 mg/L	0.000385	74.13%	
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	46.8	0.00146 mg/L	0.000071	0.00146 mg/L	0.000071	4.82%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
K 766.490†	69.9	0.00503 mg/L	0.013714	0.00503 mg/L	0.013714	272.88%	
QC value within limits for K 766.490 Recovery = Not calculated							
Na 589.592†	598.5	0.0278 mg/L	0.00724	0.0278 mg/L	0.00724	26.08%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Sr 407.771†	56.8	0.00025 mg/L	0.000029	0.00025 mg/L	0.000029	11.29%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Li 670.784†	11.9	0.00074 mg/L	0.001485	0.00074 mg/L	0.001485	200.61%	
QC value within limits for Li 670.784 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 6 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/21/2011 3:10:02 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5154271.7						61090.23	1.19%
YRADIAL	315324.7						6133.64	1.95%
Ga 417.206	1247107.6						17653.14	1.42%
GaRADIAL	60599.7						526.87	0.87%
Ag 328.068†	1763.8	0.00818	mg/L	0.000453	0.00818	mg/L	0.000453	5.54%
Al 396.153†	1143.9	0.227	mg/L	0.0085	0.227	mg/L	0.0085	3.74%
As 188.979†	8.8	0.00785	mg/L	0.002459	0.00785	mg/L	0.002459	31.33%
Ba 233.527†	1191.5	0.0206	mg/L	0.00039	0.0206	mg/L	0.00039	1.88%
Be 234.861†	568.0	0.00102	mg/L	0.000007	0.00102	mg/L	0.000007	0.68%
B 249.677†	1095.6	0.0221	mg/L	0.00038	0.0221	mg/L	0.00038	1.71%
Ca 227.546†	19.6	0.235	mg/L	0.0283	0.235	mg/L	0.0283	12.05%
Cd 228.802†	17.3	0.00088	mg/L	0.000154	0.00088	mg/L	0.000154	17.51%
Co 228.616†	80.0	0.00419	mg/L	0.000485	0.00419	mg/L	0.000485	11.58%
Cr 267.716†	1197.9	0.0105	mg/L	0.00012	0.0105	mg/L	0.00012	1.16%
Cu 327.393†	1449.2	0.0103	mg/L	0.00066	0.0103	mg/L	0.00066	6.42%
Fe 239.562†	38.0	0.0861	mg/L	0.00347	0.0861	mg/L	0.00347	4.03%
Mg 279.077†	169.8	0.221	mg/L	0.0067	0.221	mg/L	0.0067	3.02%
Mn 257.610†	4595.4	0.0104	mg/L	0.00021	0.0104	mg/L	0.00021	2.06%
Mo 202.031†	271.1	0.0206	mg/L	0.00013	0.0206	mg/L	0.00013	0.63%
Ni 231.604†	345.9	0.0105	mg/L	0.00012	0.0105	mg/L	0.00012	1.14%
Pb 220.353†	66.0	0.0100	mg/L	0.00128	0.0100	mg/L	0.00128	12.81%
Sb 206.836†	37.8	0.0254	mg/L	0.00160	0.0254	mg/L	0.00160	6.30%
Se 196.026†	9.6	0.00804	mg/L	0.003131	0.00804	mg/L	0.003131	38.93%
Si 251.611†	3964.9	0.114	mg/L	0.0021	0.114	mg/L	0.0021	1.88%
Sn 189.927†	128.2	0.0218	mg/L	0.00033	0.0218	mg/L	0.00033	1.50%
Ti 334.940†	14812.4	0.0206	mg/L	0.00036	0.0206	mg/L	0.00036	1.75%

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Tl 190.801†	13.7	0.0104 mg/L	0.00266	0.0104 mg/L	0.00266	25.53%
V 290.880†	3045.5	0.0211 mg/L	0.00050	0.0211 mg/L	0.00050	2.38%
Zn 206.200†	728.6	0.0230 mg/L	0.00028	0.0230 mg/L	0.00028	1.22%
K 766.490†	2928.2	1.08 mg/L	0.018	1.08 mg/L	0.018	1.67%
Na 589.592†	15016.7	1.07 mg/L	0.002	1.07 mg/L	0.002	0.22%
Sr 407.771†	21751.7	0.0204 mg/L	0.00166	0.0204 mg/L	0.00166	8.14%
Li 670.784†	1720.0	0.0212 mg/L	0.00100	0.0212 mg/L	0.00100	4.69%

User canceled analysis.

Approved: February 22, 2011

Pierce Morris

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Analysis Begun

Start Time: 2/21/2011 3:18:00 PM **Plasma On Time: 2/21/2011 7:55:44 AM**
Logged In Analyst: peicp2 **Technique: ICP Continuous**
Spectrometer Model: Optima 4300 DV, S/N 077N4011401 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\peicp2\Sample Information\MONDAY1.sif
Batch ID:
Results Data Set: 022111H2
Results Library: C:\pe\peicp2\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 51**
Sample ID: PBW A8 WG356433-02 **Date Collected: 2/21/2011 3:18:02 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW A8 WG356433-02

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: PBW A8 WG356433-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5195281.3						101666.74	1.96%
YRADIAL	313825.3						6965.78	2.22%
Ga 417.206	1287901.3						26656.80	2.07%
GaRADIAL	60501.5						921.79	1.52%
Ag 328.068†	178.6	0.00025	mg/L	0.000710	0.00025	mg/L	0.000710	289.56%
Al 396.153†	23.4	0.00867	mg/L	0.004993	0.00867	mg/L	0.004993	57.56%
As 188.979†	0.9	0.00050	mg/L	0.001226	0.00050	mg/L	0.001226	244.17%
Ba 233.527†	1.3	-0.00029	mg/L	0.000063	-0.00029	mg/L	0.000063	21.77%
Be 234.861†	20.7	0.00004	mg/L	0.000017	0.00004	mg/L	0.000017	42.46%
B 249.677†	413.8	0.00912	mg/L	0.000551	0.00912	mg/L	0.000551	6.05%
Ca 227.546†	-2.8	0.0142	mg/L	0.05369	0.0142	mg/L	0.05369	378.60%
Cd 228.802†	1.5	-0.00004	mg/L	0.000071	-0.00004	mg/L	0.000071	162.02%
Co 228.616†	-0.9	-0.00008	mg/L	0.000064	-0.00008	mg/L	0.000064	80.74%
Cr 267.716†	-1.3	-0.00018	mg/L	0.000026	-0.00018	mg/L	0.000026	14.76%
Cu 327.393†	7.8	0.00025	mg/L	0.000646	0.00025	mg/L	0.000646	255.04%
Fe 239.562†	-2.6	-0.00284	mg/L	0.003755	-0.00284	mg/L	0.003755	132.38%
Mg 279.077†	-15.2	-0.00142	mg/L	0.003375	-0.00142	mg/L	0.003375	238.21%
Mn 257.610†	1.6	-0.00017	mg/L	0.000022	-0.00017	mg/L	0.000022	12.72%
Mo 202.031†	4.1	0.00027	mg/L	0.000315	0.00027	mg/L	0.000315	114.95%
Ni 231.604†	-1.5	0.00011	mg/L	0.000106	0.00011	mg/L	0.000106	99.87%
Pb 220.353†	8.1	-0.00056	mg/L	0.001379	-0.00056	mg/L	0.001379	248.27%
Sb 206.836†	-1.5	0.00031	mg/L	0.001556	0.00031	mg/L	0.001556	497.43%
Se 196.026†	1.2	0.00195	mg/L	0.004130	0.00195	mg/L	0.004130	211.40%
Si 251.611†	46.5	-0.00192	mg/L	0.000867	-0.00192	mg/L	0.000867	45.23%
Sn 189.927†	4.2	-0.00034	mg/L	0.000814	-0.00034	mg/L	0.000814	236.36%
Ti 334.940†	-58.0	-0.00007	mg/L	0.000065	-0.00007	mg/L	0.000065	99.42%
Tl 190.801†	-4.3	-0.00065	mg/L	0.001894	-0.00065	mg/L	0.001894	290.88%
V 290.880†	54.9	0.00075	mg/L	0.000310	0.00075	mg/L	0.000310	41.35%
Zn 206.200†	265.8	0.00837	mg/L	0.000289	0.00837	mg/L	0.000289	3.45%
K 766.490†	34.2	-0.00834	mg/L	0.017711	-0.00834	mg/L	0.017711	212.36%
Na 589.592†	535.0	0.0232	mg/L	0.00642	0.0232	mg/L	0.00642	27.71%
Sr 407.771†	682.5	0.00084	mg/L	0.000095	0.00084	mg/L	0.000095	11.34%
Li 670.784†	-34.2	0.00019	mg/L	0.000457	0.00019	mg/L	0.000457	243.37%

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Sequence No.: 2 **Autosampler Location: 52**
Sample ID: LCSW A8 WG356433-03 **Date Collected: 2/21/2011 3:24:42 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW A8 WG356433-03

Analyte	Back Pressure	Flow

Approved: February 22, 2011
Pierre Morris

All	170.0 kPa	0.50 L/min

Mean Data: LCSW A8 WG356433-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5081958.9						21373.02	0.42%
YRADIAL	316904.8						5525.46	1.74%
Ga 417.206	1262737.5						19007.53	1.51%
GaRADIAL	60746.7						736.28	1.21%
Ag 328.068†	38877.7	0.194	mg/L	0.0041	0.194	mg/L	0.0041	2.14%
Al 396.153†	26373.0	5.13	mg/L	0.015	5.13	mg/L	0.015	0.30%
As 188.979†	200.9	0.187	mg/L	0.0014	0.187	mg/L	0.0014	0.72%
Ba 233.527†	28847.3	0.506	mg/L	0.0046	0.506	mg/L	0.0046	0.90%
Be 234.861†	13665.6	0.0244	mg/L	0.00052	0.0244	mg/L	0.00052	2.14%
B 249.677†	51504.9	0.976	mg/L	0.0221	0.976	mg/L	0.0221	2.26%
Ca 227.546†	501.2	4.99	mg/L	0.084	4.99	mg/L	0.084	1.68%
Cd 228.802†	412.9	0.0238	mg/L	0.00028	0.0238	mg/L	0.00028	1.16%
Co 228.616†	1875.6	0.0989	mg/L	0.00048	0.0989	mg/L	0.00048	0.48%
Cr 267.716†	27833.0	0.249	mg/L	0.0022	0.249	mg/L	0.0022	0.88%
Cu 327.393†	35120.3	0.246	mg/L	0.0054	0.246	mg/L	0.0054	2.21%
Fe 239.562†	886.8	1.95	mg/L	0.018	1.95	mg/L	0.018	0.92%
Mg 279.077†	4078.1	4.93	mg/L	0.052	4.93	mg/L	0.052	1.05%
Mn 257.610†	111522.7	0.257	mg/L	0.0018	0.257	mg/L	0.0018	0.72%
Mo 202.031†	6578.5	0.501	mg/L	0.0052	0.501	mg/L	0.0052	1.03%
Ni 231.604†	8438.5	0.253	mg/L	0.0037	0.253	mg/L	0.0037	1.45%
Pb 220.353†	1431.9	0.259	mg/L	0.0022	0.259	mg/L	0.0022	0.86%
Sb 206.836†	899.1	0.576	mg/L	0.0117	0.576	mg/L	0.0117	2.02%
Se 196.026†	263.5	0.190	mg/L	0.0051	0.190	mg/L	0.0051	2.69%
Si 251.611†	84479.9	2.50	mg/L	0.058	2.50	mg/L	0.058	2.31%
Sn 189.927†	3026.3	0.540	mg/L	0.0053	0.540	mg/L	0.0053	0.99%
Ti 334.940†	358268.5	0.498	mg/L	0.0039	0.498	mg/L	0.0039	0.78%
Tl 190.801†	413.7	0.258	mg/L	0.0011	0.258	mg/L	0.0011	0.43%
V 290.880†	73412.7	0.500	mg/L	0.0050	0.500	mg/L	0.0050	1.01%
Zn 206.200†	15740.9	0.497	mg/L	0.0033	0.497	mg/L	0.0033	0.67%
K 766.490†	66431.5	24.9	mg/L	0.13	24.9	mg/L	0.13	0.52%
Na 589.592†	346117.9	25.1	mg/L	0.35	25.1	mg/L	0.35	1.41%
Sr 407.771†	533451.7	0.495	mg/L	0.0413	0.495	mg/L	0.0413	8.34%
Li 670.784†	42734.1	0.513	mg/L	0.0040	0.513	mg/L	0.0040	0.78%

Sequence No.: 3 **Autosampler Location: 53**
Sample ID: L1102026601 **Date Collected: 2/21/2011 3:31:20 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026601

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026601

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5191069.5						41935.95	0.81%
YRADIAL	309374.1						1874.53	0.61%
Ga 417.206	1322822.1						16051.23	1.21%
GaRADIAL	60681.6						980.73	1.62%
Ag 328.068†	162.0	-0.00030	mg/L	0.000730	-0.00030	mg/L	0.000730	245.81%
Al 396.153†	817.4	0.164	mg/L	0.0024	0.164	mg/L	0.0024	1.44%
As 188.979†	13.4	0.0129	mg/L	0.00313	0.0129	mg/L	0.00313	24.25%
Ba 233.527†	4451.5	0.0775	mg/L	0.00069	0.0775	mg/L	0.00069	0.89%
Be 234.861†	922.9	0.00016	mg/L	0.000198	0.00016	mg/L	0.000198	126.79%
B 249.677†	748.8	0.0501	mg/L	0.00129	0.0501	mg/L	0.00129	2.56%
Ca 227.546†	1835.7	17.6	mg/L	0.27	17.6	mg/L	0.27	1.52%
Cd 228.802†	1.3	-0.00005	mg/L	0.000155	-0.00005	mg/L	0.000155	312.08%
Co 228.616†	152.6	0.00789	mg/L	0.000423	0.00789	mg/L	0.000423	5.37%
Cr 267.716†	128.3	0.00085	mg/L	0.000084	0.00085	mg/L	0.000084	9.97%
Cu 327.393†	15.3	0.00117	mg/L	0.000436	0.00117	mg/L	0.000436	37.27%
Fe 239.562†	3410.0	7.49	mg/L	0.019	7.49	mg/L	0.019	0.25%
Mg 279.077†	3533.4	4.27	mg/L	0.006	4.27	mg/L	0.006	0.14%

Approved: February 22, 2011

Pierre Morris

Mn 257.610†	140148.6	0.322	mg/L	0.0025	0.322	mg/L	0.0025	0.77%
Mo 202.031†	1.4	0.00050	mg/L	0.000363	0.00050	mg/L	0.000363	72.07%
Ni 231.604†	84.3	0.00266	mg/L	0.000260	0.00266	mg/L	0.000260	9.76%
Pb 220.353†	2.4	-0.00110	mg/L	0.000962	-0.00110	mg/L	0.000962	87.59%
Sb 206.836†	3.3	0.00333	mg/L	0.000529	0.00333	mg/L	0.000529	15.87%
Se 196.026†	-17.3	-0.00420	mg/L	0.002846	-0.00420	mg/L	0.002846	67.85%
Si 251.611†	257828.6	7.66	mg/L	0.069	7.66	mg/L	0.069	0.90%
Sn 189.927†	3.5	-0.00047	mg/L	0.001050	-0.00047	mg/L	0.001050	222.25%
Ti 334.940†	2866.7	0.00418	mg/L	0.000558	0.00418	mg/L	0.000558	13.36%
Tl 190.801†	37.7	0.0236	mg/L	0.00262	0.0236	mg/L	0.00262	11.07%
V 290.880†	28.9	0.00114	mg/L	0.001308	0.00114	mg/L	0.001308	114.39%
Zn 206.200†	586.7	0.0183	mg/L	0.00013	0.0183	mg/L	0.00013	0.72%
K 766.490†	6202.0	2.29	mg/L	0.038	2.29	mg/L	0.038	1.64%
Na 589.592†	199427.8	14.5	mg/L	0.16	14.5	mg/L	0.16	1.12%
Sr 407.771†	239048.4	0.221	mg/L	0.0218	0.221	mg/L	0.0218	9.85%
Li 670.784†	252.3	0.00362	mg/L	0.000052	0.00362	mg/L	0.000052	1.44%

Sequence No.: 4 **Autosampler Location: 54**
Sample ID: L1102026602 **Date Collected: 2/21/2011 3:37:59 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026602

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102026602

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5072686.7						46182.47	0.91%
YRADIAL	316629.7						2536.84	0.80%
Ga 417.206	1271838.6						16692.13	1.31%
GaRADIAL	61596.9						1332.42	2.16%
Ag 328.068†	80.3	-0.00066	mg/L	0.000662	-0.00066	mg/L	0.000662	100.03%
Al 396.153†	712.8	0.143	mg/L	0.0022	0.143	mg/L	0.0022	1.50%
As 188.979†	10.5	0.0101	mg/L	0.00221	0.0101	mg/L	0.00221	21.83%
Ba 233.527†	4236.3	0.0738	mg/L	0.00066	0.0738	mg/L	0.00066	0.90%
Be 234.861†	889.3	0.00025	mg/L	0.000142	0.00025	mg/L	0.000142	57.60%
B 249.677†	735.7	0.0464	mg/L	0.00076	0.0464	mg/L	0.00076	1.64%
Ca 227.546†	1772.3	17.0	mg/L	0.13	17.0	mg/L	0.13	0.79%
Cd 228.802†	-1.1	-0.00018	mg/L	0.000198	-0.00018	mg/L	0.000198	112.42%
Co 228.616†	145.0	0.00749	mg/L	0.000285	0.00749	mg/L	0.000285	3.80%
Cr 267.716†	131.3	0.00088	mg/L	0.000011	0.00088	mg/L	0.000011	1.20%
Cu 327.393†	-120.2	0.00014	mg/L	0.000289	0.00014	mg/L	0.000289	202.73%
Fe 239.562†	3070.5	6.74	mg/L	0.090	6.74	mg/L	0.090	1.33%
Mg 279.077†	3264.6	3.94	mg/L	0.043	3.94	mg/L	0.043	1.09%
Mn 257.610†	134957.9	0.311	mg/L	0.0036	0.311	mg/L	0.0036	1.15%
Mo 202.031†	1.5	0.00047	mg/L	0.000183	0.00047	mg/L	0.000183	38.87%
Ni 231.604†	79.8	0.00253	mg/L	0.000154	0.00253	mg/L	0.000154	6.07%
Pb 220.353†	3.4	-0.00092	mg/L	0.000808	-0.00092	mg/L	0.000808	88.23%
Sb 206.836†	6.0	0.00506	mg/L	0.001138	0.00506	mg/L	0.001138	22.49%
Se 196.026†	-16.6	-0.00414	mg/L	0.001895	-0.00414	mg/L	0.001895	45.74%
Si 251.611†	267058.6	7.93	mg/L	0.148	7.93	mg/L	0.148	1.86%
Sn 189.927†	1.2	-0.00089	mg/L	0.000763	-0.00089	mg/L	0.000763	85.32%
Ti 334.940†	4531.5	0.00648	mg/L	0.006410	0.00648	mg/L	0.006410	98.87%
Tl 190.801†	34.2	0.0216	mg/L	0.00251	0.0216	mg/L	0.00251	11.64%
V 290.880†	127.1	0.00176	mg/L	0.001269	0.00176	mg/L	0.001269	72.23%
Zn 206.200†	392.2	0.0122	mg/L	0.00020	0.0122	mg/L	0.00020	1.66%
K 766.490†	5544.5	2.05	mg/L	0.036	2.05	mg/L	0.036	1.77%
Na 589.592†	186855.0	13.6	mg/L	0.28	13.6	mg/L	0.28	2.05%
Sr 407.771†	220993.1	0.205	mg/L	0.0153	0.205	mg/L	0.0153	7.46%
Li 670.784†	42.0	0.00110	mg/L	0.001328	0.00110	mg/L	0.001328	120.58%

Sequence No.: 5 **Autosampler Location: 55**
Sample ID: L1102026603 **Date Collected: 2/21/2011 3:44:38 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Approved: February 22, 2011

Pierre Morris

Nebulizer Parameters: L1102026603

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026603

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4782818.1						61779.60	1.29%
YRADIAL	298529.2						4623.13	1.55%
Ga 417.206	1150158.1						16466.24	1.43%
GaRADIAL	56690.8						454.88	0.80%
Ag 328.068†	319.0	-0.00011	mg/L	0.000613	-0.00011	mg/L	0.000613	536.38%
Al 396.153†	5582.6	1.09	mg/L	0.012	1.09	mg/L	0.012	1.05%
As 188.979†	18.7	0.0195	mg/L	0.00480	0.0195	mg/L	0.00480	24.54%
Ba 233.527†	3146.1	0.0547	mg/L	0.00084	0.0547	mg/L	0.00084	1.53%
Be 234.861†	2223.7	-0.00004	mg/L	0.000084	-0.00004	mg/L	0.000084	220.23%
B 249.677†	1207.4	0.115	mg/L	0.0010	0.115	mg/L	0.0010	0.84%
Ca 227.546†	1972.4	18.9	mg/L	0.16	18.9	mg/L	0.16	0.82%
Cd 228.802†	7.3	0.00023	mg/L	0.000200	0.00023	mg/L	0.000200	85.56%
Co 228.616†	122.2	0.00589	mg/L	0.000416	0.00589	mg/L	0.000416	7.06%
Cr 267.716†	1393.4	0.0122	mg/L	0.00006	0.0122	mg/L	0.00006	0.49%
Cu 327.393†	2700.1	0.0213	mg/L	0.00029	0.0213	mg/L	0.00029	1.37%
Fe 239.562†	8972.3	19.7	mg/L	0.09	19.7	mg/L	0.09	0.46%
Mg 279.077†	13514.0	16.3	mg/L	0.15	16.3	mg/L	0.15	0.91%
Mn 257.610†	71770.6	0.172	mg/L	0.0024	0.172	mg/L	0.0024	1.42%
Mo 202.031†	19.0	0.00242	mg/L	0.000125	0.00242	mg/L	0.000125	5.19%
Ni 231.604†	578.9	0.0175	mg/L	0.00025	0.0175	mg/L	0.00025	1.43%
Pb 220.353†	6.1	-0.00087	mg/L	0.001092	-0.00087	mg/L	0.001092	125.41%
Sb 206.836†	5.8	0.00491	mg/L	0.001087	0.00491	mg/L	0.001087	22.15%
Se 196.026†	-21.2	-0.00222	mg/L	0.006199	-0.00222	mg/L	0.006199	278.96%
Si 251.611†	865813.9	25.7	mg/L	0.38	25.7	mg/L	0.38	1.46%
Sn 189.927†	6.6	0.00008	mg/L	0.000941	0.00008	mg/L	0.000941	>999.9%
Ti 334.940†	22057.9	0.0309	mg/L	0.00154	0.0309	mg/L	0.00154	4.98%
Tl 190.801†	34.7	0.0218	mg/L	0.00333	0.0218	mg/L	0.00333	15.28%
V 290.880†	1694.6	0.0134	mg/L	0.00084	0.0134	mg/L	0.00084	6.27%
Zn 206.200†	1356.8	0.0424	mg/L	0.00054	0.0424	mg/L	0.00054	1.28%
K 766.490†	149932.0	56.0	mg/L	0.43	56.0	mg/L	0.43	0.77%
Na 589.592†	1563496.7	115	mg/L	0.4	115	mg/L	0.4	0.36%
Sr 407.771†	405424.5	0.374	mg/L	0.0063	0.374	mg/L	0.0063	1.69%
Li 670.784†	1109.8	0.0139	mg/L	0.00210	0.0139	mg/L	0.00210	15.13%

Sequence No.: 6 **Autosampler Location: 56**
Sample ID: L1102026604 **Date Collected: 2/21/2011 3:50:20 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026604

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026604

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4975829.2						33161.37	0.67%
YRADIAL	310684.2						3802.07	1.22%
Ga 417.206	1242519.0						9876.93	0.79%
GaRADIAL	60282.2						377.89	0.63%
Ag 328.068†	646.3	0.00103	mg/L	0.001144	0.00103	mg/L	0.001144	111.41%
Al 396.153†	6989.0	1.37	mg/L	0.012	1.37	mg/L	0.012	0.85%
As 188.979†	18.1	0.0190	mg/L	0.00352	0.0190	mg/L	0.00352	18.51%
Ba 233.527†	1816.8	0.0315	mg/L	0.00035	0.0315	mg/L	0.00035	1.13%
Be 234.861†	3338.3	-0.00023	mg/L	0.000155	-0.00023	mg/L	0.000155	68.55%
B 249.677†	3026.7	0.198	mg/L	0.0021	0.198	mg/L	0.0021	1.08%
Ca 227.546†	9211.3	88.0	mg/L	1.00	88.0	mg/L	1.00	1.14%
Cd 228.802†	202.9	0.0116	mg/L	0.00037	0.0116	mg/L	0.00037	3.16%
Co 228.616†	78.3	0.00333	mg/L	0.000282	0.00333	mg/L	0.000282	8.48%

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Cr 267.716†	502.8	0.00425 mg/L	0.000079	0.00425 mg/L	0.000079	1.86%
Cu 327.393†	425.4	0.00666 mg/L	0.000304	0.00666 mg/L	0.000304	4.55%
Fe 239.562†	13823.3	30.3 mg/L	0.56	30.3 mg/L	0.56	1.83%
Mg 279.077†	4557.0	5.49 mg/L	0.084	5.49 mg/L	0.084	1.53%
Mn 257.610†	78053.7	0.181 mg/L	0.0018	0.181 mg/L	0.0018	1.01%
Mo 202.031†	13.0	0.00249 mg/L	0.000472	0.00249 mg/L	0.000472	18.95%
Ni 231.604†	64.7	0.00205 mg/L	0.000093	0.00205 mg/L	0.000093	4.54%
Pb 220.353†	95.7	0.0182 mg/L	0.00218	0.0182 mg/L	0.00218	11.95%
Sb 206.836†	10.3	0.00782 mg/L	0.000625	0.00782 mg/L	0.000625	7.99%
Se 196.026†	-51.4	-0.00263 mg/L	0.003002	-0.00263 mg/L	0.003002	113.92%
Si 251.611†	229854.7	6.83 mg/L	0.062	6.83 mg/L	0.062	0.91%
Sn 189.927†	-0.6	-0.00121 mg/L	0.000727	-0.00121 mg/L	0.000727	59.88%
Ti 334.940†	4155.1	0.00667 mg/L	0.000269	0.00667 mg/L	0.000269	4.04%
Tl 190.801†	112.6	0.0624 mg/L	0.00135	0.0624 mg/L	0.00135	2.16%
V 290.880†	939.4	0.00910 mg/L	0.000764	0.00910 mg/L	0.000764	8.39%
Zn 206.200†	2860.4	0.0895 mg/L	0.00058	0.0895 mg/L	0.00058	0.65%
K 766.490†	34441.3	12.9 mg/L	0.05	12.9 mg/L	0.05	0.39%
Na 589.592†	111130.1	8.05 mg/L	0.038	8.05 mg/L	0.038	0.47%
Sr 407.771†	158019.6	0.143 mg/L	0.0032	0.143 mg/L	0.0032	2.24%
Li 670.784†	169.9	0.00264 mg/L	0.000937	0.00264 mg/L	0.000937	35.55%

Sequence No.: 7 **Autosampler Location: 57**
Sample ID: L1102026605 **Date Collected: 2/21/2011 3:56:01 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026605

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026605

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5163599.3						31302.37	0.61%
YRADIAL	318618.3						2507.54	0.79%
Ga 417.206	1284506.9						17112.51	1.33%
GaRADIAL	61351.2						145.19	0.24%
Ag 328.068†	456.6	0.00088	mg/L	0.001321	0.00088	mg/L	0.001321	149.42%
Al 396.153†	1843.1	0.364	mg/L	0.0210	0.364	mg/L	0.0210	5.76%
As 188.979†	17.6	0.0173	mg/L	0.00279	0.0173	mg/L	0.00279	16.06%
Ba 233.527†	6160.8	0.107	mg/L	0.0006	0.107	mg/L	0.0006	0.60%
Be 234.861†	1464.6	0.00016	mg/L	0.000148	0.00016	mg/L	0.000148	90.75%
B 249.677†	50.5	0.0593	mg/L	0.00212	0.0593	mg/L	0.00212	3.58%
Ca 227.546†	2802.0	26.8	mg/L	0.16	26.8	mg/L	0.16	0.60%
Cd 228.802†	6.0	0.00024	mg/L	0.000174	0.00024	mg/L	0.000174	73.47%
Co 228.616†	240.5	0.0124	mg/L	0.00020	0.0124	mg/L	0.00020	1.60%
Cr 267.716†	184.0	0.00123	mg/L	0.000112	0.00123	mg/L	0.000112	9.15%
Cu 327.393†	-70.9	0.00113	mg/L	0.000800	0.00113	mg/L	0.000800	70.58%
Fe 239.562†	5622.5	12.3	mg/L	0.19	12.3	mg/L	0.19	1.54%
Mg 279.077†	4812.1	5.80	mg/L	0.120	5.80	mg/L	0.120	2.07%
Mn 257.610†	255818.8	0.587	mg/L	0.0052	0.587	mg/L	0.0052	0.89%
Mo 202.031†	3.8	0.00098	mg/L	0.000557	0.00098	mg/L	0.000557	56.52%
Ni 231.604†	109.9	0.00342	mg/L	0.000362	0.00342	mg/L	0.000362	10.57%
Pb 220.353†	-6.2	-0.00245	mg/L	0.002098	-0.00245	mg/L	0.002098	85.54%
Sb 206.836†	5.6	0.00484	mg/L	0.001109	0.00484	mg/L	0.001109	22.92%
Se 196.026†	-21.7	-0.00338	mg/L	0.002024	-0.00338	mg/L	0.002024	59.80%
Si 251.611†	286505.8	8.51	mg/L	0.152	8.51	mg/L	0.152	1.78%
Sn 189.927†	12.4	0.00111	mg/L	0.000163	0.00111	mg/L	0.000163	14.66%
Ti 334.940†	8846.0	0.0126	mg/L	0.00283	0.0126	mg/L	0.00283	22.46%
Tl 190.801†	57.8	0.0354	mg/L	0.00097	0.0354	mg/L	0.00097	2.74%
V 290.880†	-123.3	0.00048	mg/L	0.001516	0.00048	mg/L	0.001516	317.57%
Zn 206.200†	580.4	0.0180	mg/L	0.00020	0.0180	mg/L	0.00020	1.08%
K 766.490†	3923.8	1.44	mg/L	0.066	1.44	mg/L	0.066	4.58%
Na 589.592†	175404.4	12.7	mg/L	0.08	12.7	mg/L	0.08	0.64%
Sr 407.771†	306667.1	0.283	mg/L	0.0053	0.283	mg/L	0.0053	1.88%
Li 670.784†	431.1	0.00577	mg/L	0.001355	0.00577	mg/L	0.001355	23.50%

Sequence No.: 8 **Autosampler Location: 58**

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Sample ID: L1102026606 **Date Collected: 2/21/2011 4:01:44 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026606

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102026606

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5034885.8						61931.42	1.23%
YRADIAL	316849.7						9761.30	3.08%
Ga 417.206	1258554.8						21766.98	1.73%
GaRADIAL	60358.8						1094.04	1.81%
Ag 328.068†	413.8	0.00064	mg/L	0.001568	0.00064	mg/L	0.001568	246.84%
Al 396.153†	965.5	0.193	mg/L	0.0084	0.193	mg/L	0.0084	4.37%
As 188.979†	17.8	0.0176	mg/L	0.00150	0.0176	mg/L	0.00150	8.53%
Ba 233.527†	5939.6	0.104	mg/L	0.0024	0.104	mg/L	0.0024	2.35%
Be 234.861†	1487.7	0.00006	mg/L	0.000232	0.00006	mg/L	0.000232	375.35%
B 249.677†	-123.7	0.0595	mg/L	0.00178	0.0595	mg/L	0.00178	3.00%
Ca 227.546†	2880.6	27.6	mg/L	0.17	27.6	mg/L	0.17	0.63%
Cd 228.802†	3.6	0.00010	mg/L	0.000155	0.00010	mg/L	0.000155	157.49%
Co 228.616†	243.2	0.0126	mg/L	0.00053	0.0126	mg/L	0.00053	4.19%
Cr 267.716†	108.5	0.00055	mg/L	0.000043	0.00055	mg/L	0.000043	7.85%
Cu 327.393†	-0.0	0.00170	mg/L	0.000331	0.00170	mg/L	0.000331	19.48%
Fe 239.562†	5945.1	13.1	mg/L	0.37	13.1	mg/L	0.37	2.84%
Mg 279.077†	4953.2	5.97	mg/L	0.139	5.97	mg/L	0.139	2.33%
Mn 257.610†	258960.2	0.594	mg/L	0.0038	0.594	mg/L	0.0038	0.64%
Mo 202.031†	0.7	0.00078	mg/L	0.000611	0.00078	mg/L	0.000611	78.24%
Ni 231.604†	92.6	0.00291	mg/L	0.000538	0.00291	mg/L	0.000538	18.51%
Pb 220.353†	-4.2	-0.00209	mg/L	0.001288	-0.00209	mg/L	0.001288	61.61%
Sb 206.836†	4.1	0.00385	mg/L	0.000679	0.00385	mg/L	0.000679	17.63%
Se 196.026†	-25.7	-0.00581	mg/L	0.001387	-0.00581	mg/L	0.001387	23.89%
Si 251.611†	275155.8	8.18	mg/L	0.056	8.18	mg/L	0.056	0.69%
Sn 189.927†	15.7	0.00171	mg/L	0.000388	0.00171	mg/L	0.000388	22.70%
Ti 334.940†	3575.8	0.00526	mg/L	0.000773	0.00526	mg/L	0.000773	14.68%
Tl 190.801†	53.5	0.0327	mg/L	0.00365	0.0327	mg/L	0.00365	11.15%
V 290.880†	-36.4	0.00112	mg/L	0.000844	0.00112	mg/L	0.000844	75.13%
Zn 206.200†	526.6	0.0163	mg/L	0.00037	0.0163	mg/L	0.00037	2.28%
K 766.490†	3861.4	1.42	mg/L	0.025	1.42	mg/L	0.025	1.80%
Na 589.592†	174143.9	12.6	mg/L	0.10	12.6	mg/L	0.10	0.77%
Sr 407.771†	306114.4	0.283	mg/L	0.0023	0.283	mg/L	0.0023	0.82%
Li 670.784†	397.3	0.00536	mg/L	0.001125	0.00536	mg/L	0.001125	20.99%

Sequence No.: 9 **Autosampler Location: 59**
Sample ID: L1102026606PS WG356489-01 **Date Collected: 2/21/2011 4:07:26 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026606PS WG356489-01

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026606PS WG356489-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5060145.2						51020.64	1.01%
YRADIAL	314303.8						5982.79	1.90%
Ga 417.206	1241094.8						42662.17	3.44%
GaRADIAL	59697.2						1082.51	1.81%
Ag 328.068†	39334.8	0.196	mg/L	0.0061	0.196	mg/L	0.0061	3.10%
Al 396.153†	27201.1	5.30	mg/L	0.018	5.30	mg/L	0.018	0.34%
As 188.979†	219.1	0.205	mg/L	0.0099	0.205	mg/L	0.0099	4.81%
Ba 233.527†	33476.6	0.587	mg/L	0.0067	0.587	mg/L	0.0067	1.15%
Be 234.861†	15247.0	0.0249	mg/L	0.00094	0.0249	mg/L	0.00094	3.77%

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B 249.677†	50954.8	1.02	mg/L	0.027	1.02	mg/L	0.027	2.63%
Ca 227.546†	3109.7	29.9	mg/L	0.90	29.9	mg/L	0.90	3.02%
Cd 228.802†	412.4	0.0237	mg/L	0.00084	0.0237	mg/L	0.00084	3.55%
Co 228.616†	2040.7	0.107	mg/L	0.0013	0.107	mg/L	0.0013	1.19%
Cr 267.716†	27435.0	0.245	mg/L	0.0024	0.245	mg/L	0.0024	1.00%
Cu 327.393†	35162.4	0.248	mg/L	0.0080	0.248	mg/L	0.0080	3.25%
Fe 239.562†	6126.5	13.5	mg/L	0.51	13.5	mg/L	0.51	3.76%
Mg 279.077†	8518.4	10.3	mg/L	0.38	10.3	mg/L	0.38	3.66%
Mn 257.610†	333254.2	0.766	mg/L	0.0063	0.766	mg/L	0.0063	0.82%
Mo 202.031†	6501.5	0.496	mg/L	0.0005	0.496	mg/L	0.0005	0.11%
Ni 231.604†	8290.3	0.248	mg/L	0.0027	0.248	mg/L	0.0027	1.07%
Pb 220.353†	1395.4	0.253	mg/L	0.0016	0.253	mg/L	0.0016	0.64%
Sb 206.836†	912.4	0.585	mg/L	0.0209	0.585	mg/L	0.0209	3.57%
Se 196.026†	245.9	0.188	mg/L	0.0072	0.188	mg/L	0.0072	3.82%
Si 251.611†	330769.5	9.82	mg/L	0.265	9.82	mg/L	0.265	2.69%
Sn 189.927†	17.0	0.00193	mg/L	0.000823	0.00193	mg/L	0.000823	42.53%
Ti 334.940†	365746.2	0.509	mg/L	0.0090	0.509	mg/L	0.0090	1.76%
Tl 190.801†	460.6	0.285	mg/L	0.0058	0.285	mg/L	0.0058	2.05%
V 290.880†	72270.8	0.494	mg/L	0.0049	0.494	mg/L	0.0049	0.98%
Zn 206.200†	15926.7	0.503	mg/L	0.0077	0.503	mg/L	0.0077	1.53%
K 766.490†	69688.9	26.1	mg/L	0.06	26.1	mg/L	0.06	0.25%
Na 589.592†	495895.8	36.1	mg/L	0.05	36.1	mg/L	0.05	0.13%
Sr 407.771†	775251.5	0.718	mg/L	0.0129	0.718	mg/L	0.0129	1.79%
Li 670.784†	42544.5	0.511	mg/L	0.0023	0.511	mg/L	0.0023	0.44%

Sequence No.: 10 **Autosampler Location: 60**
Sample ID: L1102026606DL WG356489-02 **Date Collected: 2/21/2011 4:13:10 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026606DL WG356489-02

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026606DL WG356489-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5231963.9						36186.48	0.69%
YRADIAL	313262.8						2823.81	0.90%
Ga 417.206	1267948.9						24764.74	1.95%
GaRADIAL	60658.2						1174.49	1.94%
Ag 328.068†	-6.3	-0.00083	mg/L	0.001274	-0.00083	mg/L	0.001274	152.91%
Al 396.153†	298.8	0.0625	mg/L	0.00082	0.0625	mg/L	0.00082	1.31%
As 188.979†	3.9	0.00351	mg/L	0.002852	0.00351	mg/L	0.002852	81.33%
Ba 233.527†	1172.2	0.0202	mg/L	0.00023	0.0202	mg/L	0.00023	1.13%
Be 234.861†	359.3	0.00014	mg/L	0.000130	0.00014	mg/L	0.000130	93.96%
B 249.677†	254.1	0.0179	mg/L	0.00080	0.0179	mg/L	0.00080	4.45%
Ca 227.546†	558.9	5.38	mg/L	0.121	5.38	mg/L	0.121	2.25%
Cd 228.802†	0.4	-0.00010	mg/L	0.000071	-0.00010	mg/L	0.000071	71.63%
Co 228.616†	49.0	0.00251	mg/L	0.000138	0.00251	mg/L	0.000138	5.48%
Cr 267.716†	18.2	-0.00005	mg/L	0.000034	-0.00005	mg/L	0.000034	65.46%
Cu 327.393†	-58.7	0.00008	mg/L	0.000062	0.00008	mg/L	0.000062	76.91%
Fe 239.562†	1153.1	2.53	mg/L	0.040	2.53	mg/L	0.040	1.58%
Mg 279.077†	980.4	1.20	mg/L	0.009	1.20	mg/L	0.009	0.74%
Mn 257.610†	51180.7	0.117	mg/L	0.0013	0.117	mg/L	0.0013	1.14%
Mo 202.031†	-3.0	-0.00012	mg/L	0.000092	-0.00012	mg/L	0.000092	76.70%
Ni 231.604†	19.2	0.00072	mg/L	0.000371	0.00072	mg/L	0.000371	51.42%
Pb 220.353†	6.0	-0.00080	mg/L	0.000720	-0.00080	mg/L	0.000720	90.47%
Sb 206.836†	3.1	0.00321	mg/L	0.001647	0.00321	mg/L	0.001647	51.35%
Se 196.026†	-2.7	0.00143	mg/L	0.004229	0.00143	mg/L	0.004229	295.17%
Si 251.611†	55573.0	1.65	mg/L	0.023	1.65	mg/L	0.023	1.42%
Sn 189.927†	8.0	0.00033	mg/L	0.000890	0.00033	mg/L	0.000890	270.03%
Ti 334.940†	279.6	0.00046	mg/L	0.000145	0.00046	mg/L	0.000145	31.66%
Tl 190.801†	11.6	0.00864	mg/L	0.003716	0.00864	mg/L	0.003716	43.00%
V 290.880†	-102.6	-0.00013	mg/L	0.000566	-0.00013	mg/L	0.000566	439.85%
Zn 206.200†	155.4	0.00483	mg/L	0.000077	0.00483	mg/L	0.000077	1.59%
K 766.490†	807.6	0.279	mg/L	0.0360	0.279	mg/L	0.0360	12.88%
Na 589.592†	34791.6	2.51	mg/L	0.032	2.51	mg/L	0.032	1.28%
Sr 407.771†	64422.3	0.0597	mg/L	0.00424	0.0597	mg/L	0.00424	7.09%

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Li 670.784†	63.7	0.00136 mg/L	0.000242	0.00136 mg/L	0.000242	17.80%

Sequence No.: 11 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 4:19:48 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4954791.4						25038.28	0.51%
YRADIAL	303787.6						11125.15	3.66%
Ga 417.206	1200677.3						4977.51	0.41%
GaRADIAL	58808.4						1027.78	1.75%
Ag 328.068†	79335.6	0.397	mg/L	0.0039	0.397	mg/L	0.0039	0.97%
QC value within limits for Ag 328.068 Recovery = 99.17%								
Al 396.153†	51598.4	10.0	mg/L	0.07	10.0	mg/L	0.07	0.65%
QC value within limits for Al 396.153 Recovery = 100.41%								
As 188.979†	417.4	0.389	mg/L	0.0063	0.389	mg/L	0.0063	1.62%
QC value within limits for As 188.979 Recovery = 97.29%								
Ba 233.527†	57692.0	1.01	mg/L	0.012	1.01	mg/L	0.012	1.16%
QC value within limits for Ba 233.527 Recovery = 101.15%								
Be 234.861†	28308.4	0.0506	mg/L	0.00060	0.0506	mg/L	0.00060	1.18%
QC value within limits for Be 234.861 Recovery = 101.11%								
B 249.677†	26573.7	0.509	mg/L	0.0037	0.509	mg/L	0.0037	0.73%
QC value within limits for B 249.677 Recovery = 101.87%								
Ca 227.546†	1025.3	10.2	mg/L	0.11	10.2	mg/L	0.11	1.04%
QC value within limits for Ca 227.546 Recovery = 101.59%								
Cd 228.802†	861.4	0.0497	mg/L	0.00031	0.0497	mg/L	0.00031	0.63%
QC value within limits for Cd 228.802 Recovery = 99.39%								
Co 228.616†	3754.6	0.198	mg/L	0.0011	0.198	mg/L	0.0011	0.54%
QC value within limits for Co 228.616 Recovery = 99.03%								
Cr 267.716†	56120.9	0.501	mg/L	0.0057	0.501	mg/L	0.0057	1.13%
QC value within limits for Cr 267.716 Recovery = 100.28%								
Cu 327.393†	72237.9	0.506	mg/L	0.0053	0.506	mg/L	0.0053	1.05%
QC value within limits for Cu 327.393 Recovery = 101.12%								
Fe 239.562†	1820.6	4.00	mg/L	0.093	4.00	mg/L	0.093	2.33%
QC value within limits for Fe 239.562 Recovery = 99.96%								
Mg 279.077†	8229.6	9.93	mg/L	0.264	9.93	mg/L	0.264	2.66%
QC value within limits for Mg 279.077 Recovery = 99.27%								
Mn 257.610†	220135.5	0.508	mg/L	0.0061	0.508	mg/L	0.0061	1.19%
QC value within limits for Mn 257.610 Recovery = 101.59%								
Mo 202.031†	13173.6	1.00	mg/L	0.017	1.00	mg/L	0.017	1.65%
QC value within limits for Mo 202.031 Recovery = 100.36%								
Ni 231.604†	16794.5	0.502	mg/L	0.0059	0.502	mg/L	0.0059	1.17%
QC value within limits for Ni 231.604 Recovery = 100.50%								
Pb 220.353†	2856.3	0.519	mg/L	0.0018	0.519	mg/L	0.0018	0.34%
QC value within limits for Pb 220.353 Recovery = 103.89%								
Sb 206.836†	1843.3	1.18	mg/L	0.009	1.18	mg/L	0.009	0.76%
QC value within limits for Sb 206.836 Recovery = 98.33%								
Se 196.026†	552.6	0.398	mg/L	0.0043	0.398	mg/L	0.0043	1.08%
QC value within limits for Se 196.026 Recovery = 99.54%								
Si 251.611†	168281.7	4.98	mg/L	0.042	4.98	mg/L	0.042	0.84%
QC value within limits for Si 251.611 Recovery = 99.67%								
Sn 189.927†	5673.8	1.01	mg/L	0.003	1.01	mg/L	0.003	0.27%
QC value within limits for Sn 189.927 Recovery = 101.36%								
Ti 334.940†	718837.1	0.999	mg/L	0.0034	0.999	mg/L	0.0034	0.34%
QC value within limits for Ti 334.940 Recovery = 99.94%								
Tl 190.801†	825.5	0.512	mg/L	0.0008	0.512	mg/L	0.0008	0.15%
QC value within limits for Tl 190.801 Recovery = 102.49%								
V 290.880†	147284.1	1.00	mg/L	0.012	1.00	mg/L	0.012	1.16%
QC value within limits for V 290.880 Recovery = 100.37%								
Zn 206.200†	31664.7	1.00	mg/L	0.013	1.00	mg/L	0.013	1.29%
QC value within limits for Zn 206.200 Recovery = 100.03%								
K 766.490†	132903.0	49.7	mg/L	0.46	49.7	mg/L	0.46	0.92%

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QC value within limits for K 766.490 Recovery = 99.47%

Na 589.592†	679068.3	49.5 mg/L	0.56	49.5 mg/L	0.56	1.14%
QC value within limits for Na 589.592 Recovery = 98.91%							
Sr 407.771†	1066870.7	0.990 mg/L	0.0729	0.990 mg/L	0.0729	7.36%
QC value within limits for Sr 407.771 Recovery = 99.03%							
Li 670.784†	83291.3	0.999 mg/L	0.0054	0.999 mg/L	0.0054	0.54%
QC value within limits for Li 670.784 Recovery = 99.93%							

All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 4:26:25 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5194377.1						19715.35	0.38%
YRADIAL	309231.2						2417.54	0.78%
Ga 417.206	1237517.9						6531.19	0.53%
GaRADIAL	59939.0						849.44	1.42%
Ag 328.068†	-16.5	-0.00073	mg/L	0.000129	-0.00073	mg/L	0.000129	17.72%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-49.9	-0.00560	mg/L	0.004975	-0.00560	mg/L	0.004975	88.86%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.5	0.00014	mg/L	0.002789	0.00014	mg/L	0.002789	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.1	-0.00026	mg/L	0.000042	-0.00026	mg/L	0.000042	16.09%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-3.2	0.00000	mg/L	0.000019	0.00000	mg/L	0.000019	546.24%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	386.1	0.00863	mg/L	0.000075	0.00863	mg/L	0.000075	0.87%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-1.1	0.0302	mg/L	0.08404	0.0302	mg/L	0.08404	277.90%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	0.3	-0.00011	mg/L	0.000157	-0.00011	mg/L	0.000157	146.98%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	7.2	0.00035	mg/L	0.000707	0.00035	mg/L	0.000707	202.13%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.6	-0.00022	mg/L	0.000071	-0.00022	mg/L	0.000071	31.51%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	13.2	0.00029	mg/L	0.000061	0.00029	mg/L	0.000061	20.95%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-0.3	0.00212	mg/L	0.002722	0.00212	mg/L	0.002722	128.53%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-13.4	0.00066	mg/L	0.010738	0.00066	mg/L	0.010738	>999.9%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	16.2	-0.00014	mg/L	0.000011	-0.00014	mg/L	0.000011	7.80%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	0.1	-0.00003	mg/L	0.000013	-0.00003	mg/L	0.000013	38.83%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	2.7	0.00023	mg/L	0.000218	0.00023	mg/L	0.000218	93.50%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	6.6	-0.00082	mg/L	0.000661	-0.00082	mg/L	0.000661	80.50%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-3.1	-0.00075	mg/L	0.001925	-0.00075	mg/L	0.001925	257.11%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-4.2	-0.00188	mg/L	0.005491	-0.00188	mg/L	0.005491	292.71%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	32.4	-0.00233	mg/L	0.000469	-0.00233	mg/L	0.000469	20.14%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	8.6	0.00044	mg/L	0.000604	0.00044	mg/L	0.000604	137.85%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-22.4	-0.00002	mg/L	0.000028	-0.00002	mg/L	0.000028	174.70%
QC value within limits for Ti 334.940 Recovery = Not calculated								

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Tl 190.801†	-2.3	0.00054 mg/L	0.000629	0.00054 mg/L	0.000629	117.24%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 290.880†	-77.2	-0.00015 mg/L	0.000554	-0.00015 mg/L	0.000554	372.57%	
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	13.2	0.00041 mg/L	0.000134	0.00041 mg/L	0.000134	33.02%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
K 766.490†	107.9	0.0193 mg/L	0.01406	0.0193 mg/L	0.01406	72.75%	
QC value within limits for K 766.490 Recovery = Not calculated							
Na 589.592†	417.2	0.0146 mg/L	0.00995	0.0146 mg/L	0.00995	68.09%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Sr 407.771†	25.0	0.00022 mg/L	0.000015	0.00022 mg/L	0.000015	6.81%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Li 670.784†	-28.0	0.00026 mg/L	0.000840	0.00026 mg/L	0.000840	320.47%	
QC value within limits for Li 670.784 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/21/2011 4:33:01 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5116743.5						34964.77	0.68%
YRADIAL	304996.2						5126.90	1.68%
Ga 417.206	1237315.4						4235.85	0.34%
GaRADIAL	59098.2						199.58	0.34%
Ag 328.068†	1534.0	0.00704	mg/L	0.000533	0.00704	mg/L	0.000533	7.58%
Al 396.153†	1103.7	0.219	mg/L	0.0105	0.219	mg/L	0.0105	4.78%
As 188.979†	8.4	0.00752	mg/L	0.001065	0.00752	mg/L	0.001065	14.17%
Ba 233.527†	1191.3	0.0206	mg/L	0.00012	0.0206	mg/L	0.00012	0.59%
Be 234.861†	581.5	0.00104	mg/L	0.000003	0.00104	mg/L	0.000003	0.33%
B 249.677†	800.7	0.0166	mg/L	0.00045	0.0166	mg/L	0.00045	2.70%
Ca 227.546†	18.0	0.220	mg/L	0.0315	0.220	mg/L	0.0315	14.34%
Cd 228.802†	19.7	0.00101	mg/L	0.000089	0.00101	mg/L	0.000089	8.74%
Co 228.616†	72.5	0.00379	mg/L	0.000311	0.00379	mg/L	0.000311	8.20%
Cr 267.716†	1202.8	0.0106	mg/L	0.00007	0.0106	mg/L	0.00007	0.70%
Cu 327.393†	1433.4	0.0102	mg/L	0.00044	0.0102	mg/L	0.00044	4.34%
Fe 239.562†	40.2	0.0910	mg/L	0.00745	0.0910	mg/L	0.00745	8.19%
Mg 279.077†	172.7	0.225	mg/L	0.0045	0.225	mg/L	0.0045	2.00%
Mn 257.610†	4586.7	0.0104	mg/L	0.00015	0.0104	mg/L	0.00015	1.48%
Mo 202.031†	263.5	0.0200	mg/L	0.00022	0.0200	mg/L	0.00022	1.10%
Ni 231.604†	337.2	0.0102	mg/L	0.00011	0.0102	mg/L	0.00011	1.11%
Pb 220.353†	67.0	0.0102	mg/L	0.00133	0.0102	mg/L	0.00133	13.00%
Sb 206.836†	38.0	0.0255	mg/L	0.00099	0.0255	mg/L	0.00099	3.89%
Se 196.026†	18.7	0.0145	mg/L	0.00529	0.0145	mg/L	0.00529	36.33%
Si 251.611†	3999.8	0.115	mg/L	0.0017	0.115	mg/L	0.0017	1.49%
Sn 189.927†	120.3	0.0204	mg/L	0.00028	0.0204	mg/L	0.00028	1.35%
Ti 334.940†	14639.6	0.0204	mg/L	0.00059	0.0204	mg/L	0.00059	2.88%
Tl 190.801†	11.0	0.00879	mg/L	0.000753	0.00879	mg/L	0.000753	8.57%
V 290.880†	3045.2	0.0211	mg/L	0.00099	0.0211	mg/L	0.00099	4.67%
Zn 206.200†	702.9	0.0222	mg/L	0.00019	0.0222	mg/L	0.00019	0.88%
K 766.490†	2840.3	1.04	mg/L	0.026	1.04	mg/L	0.026	2.48%
Na 589.592†	14871.1	1.06	mg/L	0.006	1.06	mg/L	0.006	0.58%
Sr 407.771†	22686.3	0.0213	mg/L	0.00160	0.0213	mg/L	0.00160	7.53%
Li 670.784†	1627.3	0.0201	mg/L	0.00224	0.0201	mg/L	0.00224	11.16%

Sequence No.: 14 **Autosampler Location: 61**
Sample ID: L1102026607 **Date Collected: 2/21/2011 4:39:41 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

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Nebulizer Parameters: L1102026607

Analyte	Back Pressure	Flow
All	171.0 kPa	0.50 L/min

Mean Data: L1102026607

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4803749.6						29181.11	0.61%
YRADIAL	308869.8						7232.26	2.34%
Ga 417.206	1199400.9						19764.66	1.65%
GaRADIAL	58918.2						892.56	1.51%
Ag 328.068†	609.5	0.00147	mg/L	0.000938	0.00147	mg/L	0.000938	63.76%
Al 396.153†	910.3	0.183	mg/L	0.0125	0.183	mg/L	0.0125	6.84%
As 188.979†	11.8	0.0110	mg/L	0.00086	0.0110	mg/L	0.00086	7.79%
Ba 233.527†	2568.9	0.0447	mg/L	0.00027	0.0447	mg/L	0.00027	0.59%
Be 234.861†	2029.5	-0.00001	mg/L	0.000119	-0.00001	mg/L	0.000119	>999.9%
B 249.677†	1222.6	0.107	mg/L	0.0019	0.107	mg/L	0.0019	1.73%
Ca 227.546†	11880.1	113	mg/L	0.8	113	mg/L	0.8	0.68%
Cd 228.802†	1.3	-0.00010	mg/L	0.000077	-0.00010	mg/L	0.000077	73.53%
Co 228.616†	64.7	0.00281	mg/L	0.000404	0.00281	mg/L	0.000404	14.37%
Cr 267.716†	1556.3	0.0137	mg/L	0.00028	0.0137	mg/L	0.00028	2.02%
Cu 327.393†	-555.2	-0.00152	mg/L	0.000308	-0.00152	mg/L	0.000308	20.25%
Fe 239.562†	8133.6	17.9	mg/L	0.45	17.9	mg/L	0.45	2.49%
Mg 279.077†	14748.3	17.8	mg/L	0.58	17.8	mg/L	0.58	3.25%
Mn 257.610†	61702.7	0.151	mg/L	0.0016	0.151	mg/L	0.0016	1.08%
Mo 202.031†	15.8	0.00209	mg/L	0.000615	0.00209	mg/L	0.000615	29.40%
Ni 231.604†	316.7	0.00958	mg/L	0.000464	0.00958	mg/L	0.000464	4.84%
Pb 220.353†	-7.3	0.00131	mg/L	0.000442	0.00131	mg/L	0.000442	33.77%
Sb 206.836†	14.9	0.0107	mg/L	0.00406	0.0107	mg/L	0.00406	38.02%
Se 196.026†	-49.3	0.00079	mg/L	0.003699	0.00079	mg/L	0.003699	471.11%
Si 251.611†	839451.9	24.9	mg/L	0.50	24.9	mg/L	0.50	2.00%
Sn 189.927†	2.6	-0.00064	mg/L	0.000713	-0.00064	mg/L	0.000713	110.85%
Ti 334.940†	42362.4	0.0600	mg/L	0.00074	0.0600	mg/L	0.00074	1.24%
Tl 190.801†	123.5	0.0673	mg/L	0.00228	0.0673	mg/L	0.00228	3.38%
V 290.880†	6815.2	0.0482	mg/L	0.00134	0.0482	mg/L	0.00134	2.79%
Zn 206.200†	868.5	0.0270	mg/L	0.00013	0.0270	mg/L	0.00013	0.47%
K 766.490†	477152.9	178	mg/L	0.3	178	mg/L	0.3	0.19%
Na 589.592†	2058909.0	151	mg/L	0.7	151	mg/L	0.7	0.48%
Sr 407.771†	517247.6	0.478	mg/L	0.0080	0.478	mg/L	0.0080	1.68%
Li 670.784†	1236.5	0.0154	mg/L	0.00265	0.0154	mg/L	0.00265	17.19%

Sequence No.: 15 **Autosampler Location: 62**
Sample ID: L1102026608 **Date Collected: 2/21/2011 4:45:26 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026608

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026608

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5079777.6						59367.94	1.17%
YRADIAL	314066.0						6341.78	2.02%
Ga 417.206	1273758.5						20740.99	1.63%
GaRADIAL	61795.2						841.32	1.36%
Ag 328.068†	137.6	-0.00018	mg/L	0.000401	-0.00018	mg/L	0.000401	225.65%
Al 396.153†	4209.2	0.824	mg/L	0.0066	0.824	mg/L	0.0066	0.80%
As 188.979†	3.1	0.00267	mg/L	0.002531	0.00267	mg/L	0.002531	94.77%
Ba 233.527†	7198.7	0.126	mg/L	0.0014	0.126	mg/L	0.0014	1.12%
Be 234.861†	518.3	0.00006	mg/L	0.000087	0.00006	mg/L	0.000087	146.45%
B 249.677†	1873.3	0.0556	mg/L	0.00010	0.0556	mg/L	0.00010	0.17%
Ca 227.546†	2299.1	22.0	mg/L	0.38	22.0	mg/L	0.38	1.74%
Cd 228.802†	1.4	-0.00007	mg/L	0.000284	-0.00007	mg/L	0.000284	419.77%
Co 228.616†	1.9	-0.00012	mg/L	0.000107	-0.00012	mg/L	0.000107	92.75%
Cr 267.716†	230.2	0.00187	mg/L	0.000097	0.00187	mg/L	0.000097	5.18%

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Cu 327.393†	-37.3	0.00045 mg/L	0.000285	0.00045 mg/L	0.000285	63.65%
Fe 239.562†	1934.4	4.25 mg/L	0.046	4.25 mg/L	0.046	1.09%
Mg 279.077†	1218.6	1.48 mg/L	0.028	1.48 mg/L	0.028	1.86%
Mn 257.610†	7422.3	0.0186 mg/L	0.00020	0.0186 mg/L	0.00020	1.09%
Mo 202.031†	5.1	0.00056 mg/L	0.000249	0.00056 mg/L	0.000249	44.09%
Ni 231.604†	21.7	0.00079 mg/L	0.000171	0.00079 mg/L	0.000171	21.76%
Pb 220.353†	2.5	-0.00067 mg/L	0.001009	-0.00067 mg/L	0.001009	149.96%
Sb 206.836†	5.6	0.00480 mg/L	0.001575	0.00480 mg/L	0.001575	32.85%
Se 196.026†	-22.7	-0.00814 mg/L	0.002135	-0.00814 mg/L	0.002135	26.24%
Si 251.611†	137586.8	4.09 mg/L	0.080	4.09 mg/L	0.080	1.96%
Sn 189.927†	6.6	0.00008 mg/L	0.000423	0.00008 mg/L	0.000423	545.58%
Ti 334.940†	9932.0	0.0140 mg/L	0.00225	0.0140 mg/L	0.00225	16.03%
Tl 190.801†	38.5	0.0234 mg/L	0.00288	0.0234 mg/L	0.00288	12.27%
V 290.880†	649.0	0.00512 mg/L	0.000398	0.00512 mg/L	0.000398	7.77%
Zn 206.200†	111.8	0.00343 mg/L	0.000119	0.00343 mg/L	0.000119	3.48%
K 766.490†	96110.7	36.0 mg/L	0.31	36.0 mg/L	0.31	0.87%
Na 589.592†	179012.2	13.0 mg/L	0.15	13.0 mg/L	0.15	1.16%
Sr 407.771†	59582.3	0.0550 mg/L	0.00416	0.0550 mg/L	0.00416	7.56%
Li 670.784†	27.5	0.00093 mg/L	0.000474	0.00093 mg/L	0.000474	51.03%

Sequence No.: 16 **Autosampler Location: 63**
Sample ID: L1102026609 **Date Collected: 2/21/2011 4:52:03 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026609

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026609

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5222911.4						62334.41	1.19%
YRADIAL	322767.8						6140.33	1.90%
Ga 417.206	1340433.7						23053.63	1.72%
GaRADIAL	63959.9						315.55	0.49%
Ag 328.068†	73.9	-0.00038	mg/L	0.000725	-0.00038	mg/L	0.000725	191.86%
Al 396.153†	735.0	0.147	mg/L	0.0021	0.147	mg/L	0.0021	1.42%
As 188.979†	3.1	0.00265	mg/L	0.002869	0.00265	mg/L	0.002869	108.14%
Ba 233.527†	1294.6	0.0223	mg/L	0.00026	0.0223	mg/L	0.00026	1.16%
Be 234.861†	290.9	0.00013	mg/L	0.000065	0.00013	mg/L	0.000065	48.85%
B 249.677†	975.5	0.0284	mg/L	0.00131	0.0284	mg/L	0.00131	4.63%
Ca 227.546†	689.9	6.62	mg/L	0.111	6.62	mg/L	0.111	1.68%
Cd 228.802†	0.8	-0.00010	mg/L	0.000083	-0.00010	mg/L	0.000083	83.19%
Co 228.616†	1.1	-0.00004	mg/L	0.000311	-0.00004	mg/L	0.000311	800.12%
Cr 267.716†	53.2	0.00031	mg/L	0.000086	0.00031	mg/L	0.000086	28.11%
Cu 327.393†	-14.3	0.00032	mg/L	0.000090	0.00032	mg/L	0.000090	28.06%
Fe 239.562†	860.1	1.89	mg/L	0.012	1.89	mg/L	0.012	0.64%
Mg 279.077†	354.0	0.442	mg/L	0.0046	0.442	mg/L	0.0046	1.04%
Mn 257.610†	3979.5	0.00956	mg/L	0.000117	0.00956	mg/L	0.000117	1.23%
Mo 202.031†	1.1	0.00014	mg/L	0.000309	0.00014	mg/L	0.000309	215.49%
Ni 231.604†	3.6	0.00025	mg/L	0.000261	0.00025	mg/L	0.000261	102.70%
Pb 220.353†	2.8	-0.00128	mg/L	0.000984	-0.00128	mg/L	0.000984	77.01%
Sb 206.836†	-0.2	0.00112	mg/L	0.001355	0.00112	mg/L	0.001355	120.61%
Se 196.026†	-5.6	-0.00052	mg/L	0.003316	-0.00052	mg/L	0.003316	641.42%
Si 251.611†	84477.0	2.51	mg/L	0.051	2.51	mg/L	0.051	2.03%
Sn 189.927†	0.9	-0.00093	mg/L	0.000091	-0.00093	mg/L	0.000091	9.74%
Ti 334.940†	1463.3	0.00212	mg/L	0.000256	0.00212	mg/L	0.000256	12.11%
Tl 190.801†	14.3	0.0100	mg/L	0.00076	0.0100	mg/L	0.00076	7.55%
V 290.880†	76.6	0.00104	mg/L	0.000953	0.00104	mg/L	0.000953	91.36%
Zn 206.200†	180.1	0.00562	mg/L	0.000121	0.00562	mg/L	0.000121	2.15%
K 766.490†	3747.5	1.38	mg/L	0.057	1.38	mg/L	0.057	4.16%
Na 589.592†	70565.1	5.11	mg/L	0.036	5.11	mg/L	0.036	0.71%
Sr 407.771†	28415.5	0.0264	mg/L	0.00192	0.0264	mg/L	0.00192	7.29%
Li 670.784†	28.0	0.00093	mg/L	0.001678	0.00093	mg/L	0.001678	179.79%

Sequence No.: 17 **Autosampler Location: 64**
Sample ID: L1102026610 **Date Collected: 2/21/2011 4:58:41 PM**

Approved: February 22, 2011

Pierre Morris

Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026610

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026610

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5164695.7						16604.07	0.32%
YRADIAL	313272.9						10798.26	3.45%
Ga 417.206	1301852.2						24365.12	1.87%
GaRADIAL	61932.1						1868.50	3.02%
Ag 328.068†	-52.4	-0.00105	mg/L	0.000331	-0.00105	mg/L	0.000331	31.38%
Al 396.153†	1902.3	0.375	mg/L	0.0238	0.375	mg/L	0.0238	6.35%
As 188.979†	2.6	0.00239	mg/L	0.001308	0.00239	mg/L	0.001308	54.78%
Ba 233.527†	1379.2	0.0238	mg/L	0.00015	0.0238	mg/L	0.00015	0.62%
Be 234.861†	445.1	0.00021	mg/L	0.000030	0.00021	mg/L	0.000030	14.07%
B 249.677†	874.9	0.0307	mg/L	0.00045	0.0307	mg/L	0.00045	1.46%
Ca 227.546†	424.5	4.10	mg/L	0.114	4.10	mg/L	0.114	2.78%
Cd 228.802†	2.9	0.00003	mg/L	0.000059	0.00003	mg/L	0.000059	201.29%
Co 228.616†	3.9	0.00007	mg/L	0.000111	0.00007	mg/L	0.000111	149.48%
Cr 267.716†	83.3	0.00057	mg/L	0.000136	0.00057	mg/L	0.000136	23.86%
Cu 327.393†	-22.2	0.00038	mg/L	0.000500	0.00038	mg/L	0.000500	131.52%
Fe 239.562†	1300.2	2.86	mg/L	0.078	2.86	mg/L	0.078	2.75%
Mg 279.077†	362.9	0.452	mg/L	0.0178	0.452	mg/L	0.0178	3.94%
Mn 257.610†	5038.4	0.0121	mg/L	0.00017	0.0121	mg/L	0.00017	1.43%
Mo 202.031†	-3.4	-0.00016	mg/L	0.000281	-0.00016	mg/L	0.000281	179.03%
Ni 231.604†	6.4	0.00034	mg/L	0.000103	0.00034	mg/L	0.000103	30.18%
Pb 220.353†	12.7	0.00035	mg/L	0.001479	0.00035	mg/L	0.001479	423.51%
Sb 206.836†	3.1	0.00326	mg/L	0.001679	0.00326	mg/L	0.001679	51.56%
Se 196.026†	1.3	0.00405	mg/L	0.003196	0.00405	mg/L	0.003196	78.99%
Si 251.611†	97554.7	2.90	mg/L	0.049	2.90	mg/L	0.049	1.68%
Sn 189.927†	4.5	-0.00030	mg/L	0.000522	-0.00030	mg/L	0.000522	176.64%
Ti 334.940†	5245.1	0.00735	mg/L	0.000790	0.00735	mg/L	0.000790	10.75%
Tl 190.801†	4.9	0.00463	mg/L	0.002740	0.00463	mg/L	0.002740	59.22%
V 290.880†	166.6	0.00173	mg/L	0.000837	0.00173	mg/L	0.000837	48.35%
Zn 206.200†	165.1	0.00513	mg/L	0.000215	0.00513	mg/L	0.000215	4.19%
K 766.490†	3675.2	1.35	mg/L	0.074	1.35	mg/L	0.074	5.46%
Na 589.592†	71826.0	5.20	mg/L	0.150	5.20	mg/L	0.150	2.89%
Sr 407.771†	17225.6	0.0159	mg/L	0.00108	0.0159	mg/L	0.00108	6.78%
Li 670.784†	-35.7	0.00017	mg/L	0.000732	0.00017	mg/L	0.000732	428.79%

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Sequence No.: 18 **Autosampler Location: 65**
Sample ID: L1102026611 **Date Collected: 2/21/2011 5:05:22 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026611

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026611

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4623185.9						17850.78	0.39%
YRADIAL	292512.7						3547.38	1.21%
Ga 417.206	1115584.4						7217.87	0.65%
GaRADIAL	56883.5						522.44	0.92%
Ag 328.068†	-31.8	-0.00656	mg/L	0.001034	-0.00656	mg/L	0.001034	15.77%
Al 396.153†	8498.9	1.67	mg/L	0.008	1.67	mg/L	0.008	0.50%
As 188.979†	35.8	0.0468	mg/L	0.00201	0.0468	mg/L	0.00201	4.29%
Ba 233.527†	8596.7	0.150	mg/L	0.0006	0.150	mg/L	0.0006	0.40%
Be 234.861†	13202.1	0.00062	mg/L	0.000629	0.00062	mg/L	0.000629	101.41%
B 249.677†	-9390.4	0.346	mg/L	0.0131	0.346	mg/L	0.0131	3.78%

Approved: February 22, 2011

Pierre Morris

Ca 227.546†	11254.5	108	mg/L	0.7	108	mg/L	0.7	0.65%
Cd 228.802†	9.7	0.00019	mg/L	0.000146	0.00019	mg/L	0.000146	74.76%
Co 228.616†	210.4	0.00815	mg/L	0.000326	0.00815	mg/L	0.000326	4.00%
Cr 267.716†	2023.8	0.0177	mg/L	0.00012	0.0177	mg/L	0.00012	0.69%
Cu 327.393†	4799.6	0.0466	mg/L	0.00065	0.0466	mg/L	0.00065	1.40%
Fe 239.562†	51200.1	112	mg/L	1.1	112	mg/L	1.1	0.98%
Mg 279.077†	15417.7	18.5	mg/L	0.10	18.5	mg/L	0.10	0.56%
Mn 257.610†	290220.8	0.678	mg/L	0.0054	0.678	mg/L	0.0054	0.80%
Mo 202.031†	-19.4	0.00418	mg/L	0.001228	0.00418	mg/L	0.001228	29.38%
Ni 231.604†	556.0	0.0167	mg/L	0.00030	0.0167	mg/L	0.00030	1.79%
Pb 220.353†	-0.1	-0.00188	mg/L	0.002848	-0.00188	mg/L	0.002848	151.71%
Sb 206.836†	15.8	0.0112	mg/L	0.00296	0.0112	mg/L	0.00296	26.49%
Se 196.026†	-100.4	-0.00264	mg/L	0.004167	-0.00264	mg/L	0.004167	157.83%
Si 251.611†	1083540.4	32.2	mg/L	0.17	32.2	mg/L	0.17	0.53%
Sn 189.927†	-30.9	-0.00663	mg/L	0.000929	-0.00663	mg/L	0.000929	14.01%
Ti 334.940†	20450.2	0.0295	mg/L	0.00020	0.0295	mg/L	0.00020	0.67%
Tl 190.801†	119.5	0.0658	mg/L	0.00794	0.0658	mg/L	0.00794	12.06%
V 290.880†	3714.8	0.0343	mg/L	0.00127	0.0343	mg/L	0.00127	3.70%
Zn 206.200†	1576.8	0.0472	mg/L	0.00050	0.0472	mg/L	0.00050	1.06%
K 766.490†	214282.1	80.0	mg/L	0.46	80.0	mg/L	0.46	0.58%
Na 589.592†	2902747.3	214	mg/L	2.0	214	mg/L	2.0	0.92%
Sr 407.771†	578968.3	0.524	mg/L	0.0039	0.524	mg/L	0.0039	0.75%
Li 670.784†	887.3	0.0112	mg/L	0.00085	0.0112	mg/L	0.00085	7.54%

Sequence No.: 19 **Autosampler Location: 66**
Sample ID: L1102026612 W356433-01 **Date Collected: 2/21/2011 5:11:06 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026612 W356433-01

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026612 W356433-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5125118.6						53701.54	1.05%
YRADIAL	305232.2						9106.86	2.98%
Ga 417.206	1329310.7						22111.28	1.66%
GaRADIAL	59978.5						1791.28	2.99%
Ag 328.068†	72.0	-0.00054	mg/L	0.000523	-0.00054	mg/L	0.000523	96.95%
Al 396.153†	1258.0	0.250	mg/L	0.0049	0.250	mg/L	0.0049	1.98%
As 188.979†	1.0	0.00120	mg/L	0.000602	0.00120	mg/L	0.000602	50.37%
Ba 233.527†	1218.1	0.0210	mg/L	0.00031	0.0210	mg/L	0.00031	1.48%
Be 234.861†	562.1	0.00000	mg/L	0.000065	0.00000	mg/L	0.000065	>999.9%
B 249.677†	931.9	0.0417	mg/L	0.00126	0.0417	mg/L	0.00126	3.03%
Ca 227.546†	291.9	2.84	mg/L	0.064	2.84	mg/L	0.064	2.26%
Cd 228.802†	0.4	-0.00011	mg/L	0.000018	-0.00011	mg/L	0.000018	17.07%
Co 228.616†	10.3	0.00037	mg/L	0.000120	0.00037	mg/L	0.000120	32.41%
Cr 267.716†	62.1	0.00037	mg/L	0.000103	0.00037	mg/L	0.000103	27.62%
Cu 327.393†	30.7	0.00099	mg/L	0.000190	0.00099	mg/L	0.000190	19.24%
Fe 239.562†	2252.1	4.95	mg/L	0.179	4.95	mg/L	0.179	3.62%
Mg 279.077†	1121.6	1.36	mg/L	0.052	1.36	mg/L	0.052	3.81%
Mn 257.610†	15001.6	0.0350	mg/L	0.00081	0.0350	mg/L	0.00081	2.33%
Mo 202.031†	-5.6	-0.00021	mg/L	0.000136	-0.00021	mg/L	0.000136	64.57%
Ni 231.604†	6.8	0.00035	mg/L	0.000140	0.00035	mg/L	0.000140	39.71%
Pb 220.353†	10.3	-0.00024	mg/L	0.001002	-0.00024	mg/L	0.001002	426.02%
Sb 206.836†	-0.6	0.00090	mg/L	0.001665	0.00090	mg/L	0.001665	185.23%
Se 196.026†	-2.2	0.00205	mg/L	0.000798	0.00205	mg/L	0.000798	39.00%
Si 251.611†	106723.9	3.17	mg/L	0.082	3.17	mg/L	0.082	2.58%
Sn 189.927†	0.8	-0.00096	mg/L	0.000762	-0.00096	mg/L	0.000762	79.65%
Ti 334.940†	3576.8	0.00502	mg/L	0.000837	0.00502	mg/L	0.000837	16.69%
Tl 190.801†	5.6	0.00516	mg/L	0.003194	0.00516	mg/L	0.003194	61.92%
V 290.880†	255.9	0.00250	mg/L	0.001286	0.00250	mg/L	0.001286	51.44%
Zn 206.200†	113.1	0.00344	mg/L	0.000094	0.00344	mg/L	0.000094	2.74%
K 766.490†	2394.9	0.870	mg/L	0.0346	0.870	mg/L	0.0346	3.98%
Na 589.592†	103134.7	7.47	mg/L	0.204	7.47	mg/L	0.204	2.73%
Sr 407.771†	22525.5	0.0205	mg/L	0.00084	0.0205	mg/L	0.00084	4.12%
Li 670.784†	26.2	0.00091	mg/L	0.000476	0.00091	mg/L	0.000476	52.19%

Approved: February 22, 2011

Pierre Morris

Sequence No.: 20 **Autosampler Location: 67**
Sample ID: L1102026612S WG356433-04 **Date Collected: 2/21/2011 5:17:43 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026612S WG356433-04

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026612S WG356433-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5034737.4						27388.66	0.54%
YRADIAL	304593.9						2956.18	0.97%
Ga 417.206	1265191.6						2099.84	0.17%
GaRADIAL	59644.3						1444.83	2.42%
Ag 328.068†	38325.2	0.191	mg/L	0.0007	0.191	mg/L	0.0007	0.35%
Al 396.153†	27441.7	5.34	mg/L	0.016	5.34	mg/L	0.016	0.31%
As 188.979†	202.9	0.190	mg/L	0.0018	0.190	mg/L	0.0018	0.95%
Ba 233.527†	29857.6	0.523	mg/L	0.0040	0.523	mg/L	0.0040	0.76%
Be 234.861†	13899.3	0.0238	mg/L	0.00015	0.0238	mg/L	0.00015	0.63%
B 249.677†	51493.6	0.999	mg/L	0.0006	0.999	mg/L	0.0006	0.06%
Ca 227.546†	813.7	7.98	mg/L	0.069	7.98	mg/L	0.069	0.86%
Cd 228.802†	413.3	0.0238	mg/L	0.00015	0.0238	mg/L	0.00015	0.62%
Co 228.616†	1899.5	0.100	mg/L	0.0003	0.100	mg/L	0.0003	0.28%
Cr 267.716†	27790.4	0.248	mg/L	0.0007	0.248	mg/L	0.0007	0.28%
Cu 327.393†	34816.5	0.244	mg/L	0.0024	0.244	mg/L	0.0024	0.98%
Fe 239.562†	3124.5	6.86	mg/L	0.145	6.86	mg/L	0.145	2.12%
Mg 279.077†	5273.7	6.36	mg/L	0.105	6.36	mg/L	0.105	1.65%
Mn 257.610†	124908.0	0.289	mg/L	0.0023	0.289	mg/L	0.0023	0.78%
Mo 202.031†	6500.8	0.495	mg/L	0.0029	0.495	mg/L	0.0029	0.59%
Ni 231.604†	8347.0	0.250	mg/L	0.0019	0.250	mg/L	0.0019	0.76%
Pb 220.353†	1440.7	0.261	mg/L	0.0016	0.261	mg/L	0.0016	0.60%
Sb 206.836†	898.7	0.576	mg/L	0.0022	0.576	mg/L	0.0022	0.38%
Se 196.026†	260.2	0.191	mg/L	0.0025	0.191	mg/L	0.0025	1.30%
Si 251.611†	196750.5	5.84	mg/L	0.032	5.84	mg/L	0.032	0.54%
Sn 189.927†	3038.1	0.542	mg/L	0.0030	0.542	mg/L	0.0030	0.55%
Ti 334.940†	373113.3	0.519	mg/L	0.0161	0.519	mg/L	0.0161	3.11%
Tl 190.801†	420.3	0.262	mg/L	0.0023	0.262	mg/L	0.0023	0.87%
V 290.880†	73003.3	0.498	mg/L	0.0038	0.498	mg/L	0.0038	0.77%
Zn 206.200†	15596.9	0.493	mg/L	0.0017	0.493	mg/L	0.0017	0.34%
K 766.490†	68525.5	25.6	mg/L	0.04	25.6	mg/L	0.04	0.17%
Na 589.592†	440686.8	32.0	mg/L	0.28	32.0	mg/L	0.28	0.87%
Sr 407.771†	564894.8	0.524	mg/L	0.0461	0.524	mg/L	0.0461	8.81%
Li 670.784†	42133.7	0.506	mg/L	0.0021	0.506	mg/L	0.0021	0.41%

Sequence No.: 21 **Autosampler Location: 68**
Sample ID: L1102026612SD WG356433-05 **Date Collected: 2/21/2011 5:24:22 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026612SD WG356433-05

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026612SD WG356433-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5045133.9						62250.70	1.23%
YRADIAL	314142.4						6248.56	1.99%
Ga 417.206	1257589.4						26145.93	2.08%
GaRADIAL	60607.3						547.10	0.90%
Ag 328.068†	37797.5	0.188	mg/L	0.0050	0.188	mg/L	0.0050	2.66%
Al 396.153†	27331.7	5.32	mg/L	0.018	5.32	mg/L	0.018	0.34%

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As 188.979†	201.9	0.189	mg/L	0.0066	0.189	mg/L	0.0066 3.51%
Ba 233.527†	29523.1	0.517	mg/L	0.0106	0.517	mg/L	0.0106 2.05%
Be 234.861†	13957.2	0.0240	mg/L	0.00068	0.0240	mg/L	0.00068 2.85%
B 249.677†	51069.3	0.990	mg/L	0.0269	0.990	mg/L	0.0269 2.72%
Ca 227.546†	808.0	7.93	mg/L	0.237	7.93	mg/L	0.237 2.99%
Cd 228.802†	414.9	0.0239	mg/L	0.00058	0.0239	mg/L	0.00058 2.41%
Co 228.616†	1895.7	0.0999	mg/L	0.00148	0.0999	mg/L	0.00148 1.48%
Cr 267.716†	27367.1	0.244	mg/L	0.0057	0.244	mg/L	0.0057 2.34%
Cu 327.393†	34069.0	0.239	mg/L	0.0070	0.239	mg/L	0.0070 2.91%
Fe 239.562†	3086.2	6.78	mg/L	0.046	6.78	mg/L	0.046 0.68%
Mg 279.077†	5191.7	6.27	mg/L	0.066	6.27	mg/L	0.066 1.05%
Mn 257.610†	124451.7	0.288	mg/L	0.0061	0.288	mg/L	0.0061 2.12%
Mo 202.031†	6428.5	0.490	mg/L	0.0129	0.490	mg/L	0.0129 2.64%
Ni 231.604†	8297.2	0.248	mg/L	0.0042	0.248	mg/L	0.0042 1.69%
Pb 220.353†	1423.4	0.258	mg/L	0.0030	0.258	mg/L	0.0030 1.15%
Sb 206.836†	904.3	0.580	mg/L	0.0110	0.580	mg/L	0.0110 1.90%
Se 196.026†	256.5	0.188	mg/L	0.0029	0.188	mg/L	0.0029 1.54%
Si 251.611†	195918.2	5.81	mg/L	0.033	5.81	mg/L	0.033 0.56%
Sn 189.927†	3019.2	0.539	mg/L	0.0067	0.539	mg/L	0.0067 1.23%
Ti 334.940†	361050.2	0.502	mg/L	0.0022	0.502	mg/L	0.0022 0.45%
Tl 190.801†	416.4	0.259	mg/L	0.0038	0.259	mg/L	0.0038 1.45%
V 290.880†	71763.3	0.490	mg/L	0.0091	0.490	mg/L	0.0091 1.86%
Zn 206.200†	15615.9	0.493	mg/L	0.0104	0.493	mg/L	0.0104 2.10%
K 766.490†	68532.2	25.6	mg/L	0.21	25.6	mg/L	0.21 0.84%
Na 589.592†	440738.8	32.0	mg/L	0.38	32.0	mg/L	0.38 1.19%
Sr 407.771†	558359.9	0.518	mg/L	0.0344	0.518	mg/L	0.0344 6.64%
Li 670.784†	42156.8	0.506	mg/L	0.0019	0.506	mg/L	0.0019 0.37%

Sequence No.: 22 **Autosampler Location: 69**
Sample ID: L1102026613 **Date Collected: 2/21/2011 5:31:03 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026613

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: L1102026613

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5085162.6						48666.66	0.96%
YRADIAL	308613.8						4137.12	1.34%
Ga 417.206	1316915.8						26665.80	2.02%
GaRADIAL	59723.8						984.72	1.65%
Ag 328.068†	450.2	0.00130	mg/L	0.000371	0.00130	mg/L	0.000371	28.52%
Al 396.153†	1396.4	0.276	mg/L	0.0053	0.276	mg/L	0.0053	1.92%
As 188.979†	7.2	0.00513	mg/L	0.001923	0.00513	mg/L	0.001923	37.49%
Ba 233.527†	1768.1	0.0306	mg/L	0.00048	0.0306	mg/L	0.00048	1.55%
Be 234.861†	457.8	0.00009	mg/L	0.000032	0.00009	mg/L	0.000032	33.67%
B 249.677†	2488.1	0.0648	mg/L	0.00154	0.0648	mg/L	0.00154	2.38%
Ca 227.546†	9162.4	87.4	mg/L	2.31	87.4	mg/L	2.31	2.65%
Cd 228.802†	-1.4	-0.00025	mg/L	0.000195	-0.00025	mg/L	0.000195	77.43%
Co 228.616†	-1.1	-0.00021	mg/L	0.000141	-0.00021	mg/L	0.000141	68.05%
Cr 267.716†	91.5	0.00060	mg/L	0.000030	0.00060	mg/L	0.000030	5.02%
Cu 327.393†	-379.2	-0.00202	mg/L	0.000490	-0.00202	mg/L	0.000490	24.24%
Fe 239.562†	1643.3	3.61	mg/L	0.041	3.61	mg/L	0.041	1.12%
Mg 279.077†	7119.5	8.59	mg/L	0.098	8.59	mg/L	0.098	1.14%
Mn 257.610†	48237.1	0.113	mg/L	0.0021	0.113	mg/L	0.0021	1.90%
Mo 202.031†	11.8	0.00106	mg/L	0.000464	0.00106	mg/L	0.000464	43.85%
Ni 231.604†	11.0	0.00044	mg/L	0.000271	0.00044	mg/L	0.000271	61.63%
Pb 220.353†	-3.0	0.00147	mg/L	0.000390	0.00147	mg/L	0.000390	26.50%
Sb 206.836†	11.4	0.00853	mg/L	0.001393	0.00853	mg/L	0.001393	16.34%
Se 196.026†	-34.7	-0.00055	mg/L	0.005841	-0.00055	mg/L	0.005841	>999.9%
Si 251.611†	345004.7	10.3	mg/L	0.15	10.3	mg/L	0.15	1.45%
Sn 189.927†	10.5	0.00078	mg/L	0.000732	0.00078	mg/L	0.000732	93.98%
Ti 334.940†	3128.8	0.00524	mg/L	0.001183	0.00524	mg/L	0.001183	22.58%
Tl 190.801†	106.8	0.0589	mg/L	0.00461	0.0589	mg/L	0.00461	7.83%
V 290.880†	-179.5	-0.00057	mg/L	0.000521	-0.00057	mg/L	0.000521	91.14%
Zn 206.200†	188.6	0.00585	mg/L	0.000147	0.00585	mg/L	0.000147	2.52%

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K 766.490†	11532.1	4.29	mg/L	0.018	4.29	mg/L	0.018	0.43%
Na 589.592†	173193.5	12.6	mg/L	0.12	12.6	mg/L	0.12	0.98%
Sr 407.771†	558737.9	0.519	mg/L	0.0366	0.519	mg/L	0.0366	7.06%
Li 670.784†	647.2	0.00836	mg/L	0.001585	0.00836	mg/L	0.001585	18.96%

Sequence No.: 23 **Autosampler Location: 70**
Sample ID: L1102026614 **Date Collected: 2/21/2011 5:37:46 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026614

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026614

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5147282.4						86161.25	1.67%
YRADIAL	321602.1						4992.47	1.55%
Ga 417.206	1291028.8						32824.20	2.54%
GaRADIAL	63106.1						1810.52	2.87%
Ag 328.068†	110.4	-0.00033	mg/L	0.000206	-0.00033	mg/L	0.000206	61.95%
Al 396.153†	954.5	0.190	mg/L	0.0016	0.190	mg/L	0.0016	0.86%
As 188.979†	2.4	0.00209	mg/L	0.002630	0.00209	mg/L	0.002630	126.16%
Ba 233.527†	2894.9	0.0503	mg/L	0.00082	0.0503	mg/L	0.00082	1.63%
Be 234.861†	591.7	0.00023	mg/L	0.000009	0.00023	mg/L	0.000009	4.03%
B 249.677†	939.5	0.0377	mg/L	0.00052	0.0377	mg/L	0.00052	1.39%
Ca 227.546†	1833.3	17.5	mg/L	0.45	17.5	mg/L	0.45	2.55%
Cd 228.802†	-0.1	-0.00015	mg/L	0.000073	-0.00015	mg/L	0.000073	48.68%
Co 228.616†	-1.5	-0.00025	mg/L	0.000229	-0.00025	mg/L	0.000229	91.88%
Cr 267.716†	273.0	0.00225	mg/L	0.000006	0.00225	mg/L	0.000006	0.27%
Cu 327.393†	-20.9	0.00053	mg/L	0.000582	0.00053	mg/L	0.000582	110.47%
Fe 239.562†	1843.9	4.05	mg/L	0.110	4.05	mg/L	0.110	2.71%
Mg 279.077†	1402.6	1.70	mg/L	0.044	1.70	mg/L	0.044	2.57%
Mn 257.610†	24388.4	0.0585	mg/L	0.00099	0.0585	mg/L	0.00099	1.69%
Mo 202.031†	0.1	0.00018	mg/L	0.000301	0.00018	mg/L	0.000301	165.44%
Ni 231.604†	23.5	0.00084	mg/L	0.000271	0.00084	mg/L	0.000271	32.24%
Pb 220.353†	5.5	-0.00035	mg/L	0.000569	-0.00035	mg/L	0.000569	160.36%
Sb 206.836†	7.9	0.00628	mg/L	0.000546	0.00628	mg/L	0.000546	8.70%
Se 196.026†	-14.2	-0.00317	mg/L	0.004735	-0.00317	mg/L	0.004735	149.17%
Si 251.611†	429013.5	12.7	mg/L	0.06	12.7	mg/L	0.06	0.45%
Sn 189.927†	1.8	-0.00078	mg/L	0.000963	-0.00078	mg/L	0.000963	122.95%
Ti 334.940†	3900.7	0.00561	mg/L	0.000560	0.00561	mg/L	0.000560	9.98%
Tl 190.801†	36.0	0.0222	mg/L	0.00307	0.0222	mg/L	0.00307	13.79%
V 290.880†	397.8	0.00340	mg/L	0.000954	0.00340	mg/L	0.000954	28.09%
Zn 206.200†	183.2	0.00568	mg/L	0.000073	0.00568	mg/L	0.000073	1.28%
K 766.490†	27789.5	10.4	mg/L	0.04	10.4	mg/L	0.04	0.43%
Na 589.592†	144963.1	10.5	mg/L	0.06	10.5	mg/L	0.06	0.58%
Sr 407.771†	173283.1	0.161	mg/L	0.0135	0.161	mg/L	0.0135	8.42%
Li 670.784†	522.8	0.00687	mg/L	0.000814	0.00687	mg/L	0.000814	11.85%

Sequence No.: 24 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 5:44:23 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4968765.0						68135.76	1.37%
YRADIAL	299586.6						4848.40	1.62%

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Ga 417.206	1202615.5				33328.86	2.77%
GaRADIAL	58592.3				1390.54	2.37%
Ag 328.068†	78916.8	0.395 mg/L	0.0099	0.395 mg/L	0.0099	2.51%
QC value within limits for Ag 328.068 Recovery = 98.65%						
Al 396.153†	52095.6	10.1 mg/L	0.01	10.1 mg/L	0.01	0.14%
QC value within limits for Al 396.153 Recovery = 101.37%						
As 188.979†	422.3	0.394 mg/L	0.0119	0.394 mg/L	0.0119	3.01%
QC value within limits for As 188.979 Recovery = 98.45%						
Ba 233.527†	57663.8	1.01 mg/L	0.016	1.01 mg/L	0.016	1.62%
QC value within limits for Ba 233.527 Recovery = 101.10%						
Be 234.861†	28207.8	0.0504 mg/L	0.00146	0.0504 mg/L	0.00146	2.90%
QC value within limits for Be 234.861 Recovery = 100.75%						
B 249.677†	26609.9	0.510 mg/L	0.0147	0.510 mg/L	0.0147	2.88%
QC value within limits for B 249.677 Recovery = 102.00%						
Ca 227.546†	1030.5	10.2 mg/L	0.19	10.2 mg/L	0.19	1.91%
QC value within limits for Ca 227.546 Recovery = 102.07%						
Cd 228.802†	867.0	0.0500 mg/L	0.00137	0.0500 mg/L	0.00137	2.75%
QC value within limits for Cd 228.802 Recovery = 100.00%						
Co 228.616†	3772.1	0.199 mg/L	0.0018	0.199 mg/L	0.0018	0.90%
QC value within limits for Co 228.616 Recovery = 99.50%						
Cr 267.716†	56102.2	0.501 mg/L	0.0073	0.501 mg/L	0.0073	1.46%
QC value within limits for Cr 267.716 Recovery = 100.25%						
Cu 327.393†	71598.4	0.501 mg/L	0.0119	0.501 mg/L	0.0119	2.38%
QC value within limits for Cu 327.393 Recovery = 100.23%						
Fe 239.562†	1829.8	4.02 mg/L	0.079	4.02 mg/L	0.079	1.96%
QC value within limits for Fe 239.562 Recovery = 100.47%						
Mg 279.077†	8261.0	9.96 mg/L	0.168	9.96 mg/L	0.168	1.69%
QC value within limits for Mg 279.077 Recovery = 99.64%						
Mn 257.610†	220122.3	0.508 mg/L	0.0080	0.508 mg/L	0.0080	1.58%
QC value within limits for Mn 257.610 Recovery = 101.59%						
Mo 202.031†	13178.2	1.00 mg/L	0.013	1.00 mg/L	0.013	1.29%
QC value within limits for Mo 202.031 Recovery = 100.40%						
Ni 231.604†	16786.0	0.502 mg/L	0.0085	0.502 mg/L	0.0085	1.69%
QC value within limits for Ni 231.604 Recovery = 100.44%						
Pb 220.353†	2876.5	0.523 mg/L	0.0043	0.523 mg/L	0.0043	0.83%
QC value within limits for Pb 220.353 Recovery = 104.62%						
Sb 206.836†	1851.1	1.18 mg/L	0.028	1.18 mg/L	0.028	2.34%
QC value within limits for Sb 206.836 Recovery = 98.75%						
Se 196.026†	553.8	0.399 mg/L	0.0053	0.399 mg/L	0.0053	1.32%
QC value within limits for Se 196.026 Recovery = 99.77%						
Si 251.611†	167737.9	4.97 mg/L	0.141	4.97 mg/L	0.141	2.84%
QC value within limits for Si 251.611 Recovery = 99.35%						
Sn 189.927†	5722.0	1.02 mg/L	0.011	1.02 mg/L	0.011	1.09%
QC value within limits for Sn 189.927 Recovery = 102.22%						
Ti 334.940†	719167.6	1.000 mg/L	0.0045	1.000 mg/L	0.0045	0.45%
QC value within limits for Ti 334.940 Recovery = 99.98%						
Tl 190.801†	823.9	0.512 mg/L	0.0048	0.512 mg/L	0.0048	0.93%
QC value within limits for Tl 190.801 Recovery = 102.30%						
V 290.880†	146936.5	1.00 mg/L	0.016	1.00 mg/L	0.016	1.60%
QC value within limits for V 290.880 Recovery = 100.13%						
Zn 206.200†	31946.6	1.01 mg/L	0.021	1.01 mg/L	0.021	2.08%
QC value within limits for Zn 206.200 Recovery = 100.92%						
K 766.490†	133721.8	50.0 mg/L	0.42	50.0 mg/L	0.42	0.85%
QC value within limits for K 766.490 Recovery = 100.08%						
Na 589.592†	682212.7	49.7 mg/L	0.29	49.7 mg/L	0.29	0.59%
QC value within limits for Na 589.592 Recovery = 99.37%						
Sr 407.771†	1101982.3	1.02 mg/L	0.057	1.02 mg/L	0.057	5.57%
QC value within limits for Sr 407.771 Recovery = 102.29%						
Li 670.784†	83876.9	1.01 mg/L	0.003	1.01 mg/L	0.003	0.33%
QC value within limits for Li 670.784 Recovery = 100.63%						

All analyte(s) passed QC.

Sequence No.: 25 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 5:51:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

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Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5156120.3						61784.98	1.20%
YRADIAL	309740.6						2584.97	0.83%
Ga 417.206	1259393.0						23221.67	1.84%
GaRADIAL	59923.1						626.81	1.05%
Ag 328.068†	-51.7	-0.00091	mg/L	0.000100	-0.00091	mg/L	0.000100	11.03%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-80.9	-0.0116	mg/L	0.00529	-0.0116	mg/L	0.00529	45.51%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-2.5	-0.00273	mg/L	0.001664	-0.00273	mg/L	0.001664	61.04%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	0.3	-0.00031	mg/L	0.000062	-0.00031	mg/L	0.000062	19.91%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	14.7	0.00003	mg/L	0.000009	0.00003	mg/L	0.000009	31.20%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	567.5	0.0121	mg/L	0.00020	0.0121	mg/L	0.00020	1.62%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	0.7	0.0477	mg/L	0.00653	0.0477	mg/L	0.00653	13.70%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	0.2	-0.00009	mg/L	0.000133	-0.00009	mg/L	0.000133	143.86%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	1.2	0.00003	mg/L	0.000302	0.00003	mg/L	0.000302	991.61%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.0	-0.00014	mg/L	0.000013	-0.00014	mg/L	0.000013	9.45%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-34.2	-0.00004	mg/L	0.000281	-0.00004	mg/L	0.000281	701.45%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-1.2	0.00012	mg/L	0.001497	0.00012	mg/L	0.001497	>999.9%
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-12.6	0.00168	mg/L	0.009206	0.00168	mg/L	0.009206	546.76%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	16.4	-0.00014	mg/L	0.000006	-0.00014	mg/L	0.000006	4.14%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.3	-0.00022	mg/L	0.000311	-0.00022	mg/L	0.000311	143.97%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	7.1	0.00036	mg/L	0.000200	0.00036	mg/L	0.000200	55.14%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.0	-0.00130	mg/L	0.001477	-0.00130	mg/L	0.001477	113.57%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	0.0	0.00127	mg/L	0.000066	0.00127	mg/L	0.000066	5.20%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	1.6	0.00227	mg/L	0.004611	0.00227	mg/L	0.004611	202.89%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	37.2	-0.00219	mg/L	0.000424	-0.00219	mg/L	0.000424	19.40%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	7.0	0.00014	mg/L	0.000221	0.00014	mg/L	0.000221	155.37%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	28.1	0.00005	mg/L	0.000158	0.00005	mg/L	0.000158	291.39%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-0.3	0.00173	mg/L	0.001305	0.00173	mg/L	0.001305	75.24%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-190.4	-0.00092	mg/L	0.000402	-0.00092	mg/L	0.000402	43.71%
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	3.3	0.00009	mg/L	0.000202	0.00009	mg/L	0.000202	216.28%
QC value within limits for Zn 206.200 Recovery = Not calculated								
K 766.490†	147.7	0.0343	mg/L	0.02464	0.0343	mg/L	0.02464	71.90%
QC value within limits for K 766.490 Recovery = Not calculated								
Na 589.592†	384.0	0.0122	mg/L	0.00984	0.0122	mg/L	0.00984	80.52%
QC value within limits for Na 589.592 Recovery = Not calculated								
Sr 407.771†	29.0	0.00023	mg/L	0.000028	0.00023	mg/L	0.000028	12.08%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Li 670.784†	-93.1	-0.00052	mg/L	0.000929	-0.00052	mg/L	0.000929	179.27%
QC value within limits for Li 670.784 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 26 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/21/2011 5:57:40 PM**
Analyst: PDM **Data Type: Original**

Approved: February 22, 2011

Pierre Morris

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5093659.1						82681.30	1.62%
YRADIAL	305030.0						4604.83	1.51%
Ga 417.206	1229371.2						28261.50	2.30%
GaRADIAL	59447.0						1577.25	2.65%
Ag 328.068†	1615.6	0.00744	mg/L	0.000421	0.00744	mg/L	0.000421	5.65%
Al 396.153†	1103.3	0.219	mg/L	0.0073	0.219	mg/L	0.0073	3.32%
As 188.979†	9.3	0.00835	mg/L	0.000502	0.00835	mg/L	0.000502	6.01%
Ba 233.527†	1205.7	0.0208	mg/L	0.00017	0.0208	mg/L	0.00017	0.80%
Be 234.861†	574.1	0.00103	mg/L	0.000008	0.00103	mg/L	0.000008	0.78%
B 249.677†	1000.4	0.0203	mg/L	0.00079	0.0203	mg/L	0.00079	3.91%
Ca 227.546†	16.6	0.206	mg/L	0.0360	0.206	mg/L	0.0360	17.43%
Cd 228.802†	20.6	0.00106	mg/L	0.000154	0.00106	mg/L	0.000154	14.53%
Co 228.616†	77.5	0.00405	mg/L	0.000295	0.00405	mg/L	0.000295	7.28%
Cr 267.716†	1217.8	0.0107	mg/L	0.00014	0.0107	mg/L	0.00014	1.35%
Cu 327.393†	1431.2	0.0102	mg/L	0.00049	0.0102	mg/L	0.00049	4.79%
Fe 239.562†	38.1	0.0863	mg/L	0.00699	0.0863	mg/L	0.00699	8.10%
Mg 279.077†	169.5	0.221	mg/L	0.0136	0.221	mg/L	0.0136	6.15%
Mn 257.610†	4627.6	0.0105	mg/L	0.00012	0.0105	mg/L	0.00012	1.12%
Mo 202.031†	270.8	0.0206	mg/L	0.00040	0.0206	mg/L	0.00040	1.96%
Ni 231.604†	355.4	0.0108	mg/L	0.00003	0.0108	mg/L	0.00003	0.31%
Pb 220.353†	75.7	0.0118	mg/L	0.00068	0.0118	mg/L	0.00068	5.76%
Sb 206.836†	38.4	0.0258	mg/L	0.00140	0.0258	mg/L	0.00140	5.40%
Se 196.026†	11.7	0.00949	mg/L	0.002738	0.00949	mg/L	0.002738	28.85%
Si 251.611†	4077.0	0.118	mg/L	0.0039	0.118	mg/L	0.0039	3.35%
Sn 189.927†	129.6	0.0221	mg/L	0.00037	0.0221	mg/L	0.00037	1.70%
Ti 334.940†	14865.6	0.0207	mg/L	0.00058	0.0207	mg/L	0.00058	2.80%
Tl 190.801†	10.7	0.00865	mg/L	0.001311	0.00865	mg/L	0.001311	15.16%
V 290.880†	3058.0	0.0212	mg/L	0.00029	0.0212	mg/L	0.00029	1.36%
Zn 206.200†	703.7	0.0222	mg/L	0.00040	0.0222	mg/L	0.00040	1.80%
K 766.490†	2826.1	1.04	mg/L	0.011	1.04	mg/L	0.011	1.04%
Na 589.592†	14989.1	1.07	mg/L	0.024	1.07	mg/L	0.024	2.27%
Sr 407.771†	22755.6	0.0213	mg/L	0.00131	0.0213	mg/L	0.00131	6.15%
Li 670.784†	1648.3	0.0204	mg/L	0.00016	0.0204	mg/L	0.00016	0.79%

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Sequence No.: 27 **Autosampler Location: 71**
Sample ID: L1102026615 **Date Collected: 2/21/2011 6:04:20 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026615

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026615

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4949573.0						8570.21	0.17%
YRADIAL	304520.3						5555.30	1.82%
Ga 417.206	1265911.2						23000.02	1.82%
GaRADIAL	59730.9						88.08	0.15%
Ag 328.068†	496.2	0.00151	mg/L	0.000507	0.00151	mg/L	0.000507	33.52%
Al 396.153†	2176.2	0.428	mg/L	0.0058	0.428	mg/L	0.0058	1.35%
As 188.979†	13.3	0.0104	mg/L	0.00161	0.0104	mg/L	0.00161	15.47%
Ba 233.527†	3155.5	0.0549	mg/L	0.00029	0.0549	mg/L	0.00029	0.54%
Be 234.861†	443.9	0.00004	mg/L	0.000104	0.00004	mg/L	0.000104	262.63%
B 249.677†	2399.6	0.0636	mg/L	0.00098	0.0636	mg/L	0.00098	1.54%
Ca 227.546†	11979.4	114	mg/L	2.5	114	mg/L	2.5	2.17%

Approved: February 22, 2011

Pierce Morris

Cd 228.802†	3.0	-0.00003 mg/L	0.000060	-0.00003 mg/L	0.000060	182.25%
Co 228.616†	1.9	-0.00008 mg/L	0.000337	-0.00008 mg/L	0.000337	436.27%
Cr 267.716†	154.2	0.00117 mg/L	0.000046	0.00117 mg/L	0.000046	3.93%
Cu 327.393†	-123.9	-0.00021 mg/L	0.000864	-0.00021 mg/L	0.000864	407.65%
Fe 239.562†	1710.1	3.76 mg/L	0.028	3.76 mg/L	0.028	0.75%
Mg 279.077†	5990.0	7.23 mg/L	0.081	7.23 mg/L	0.081	1.12%
Mn 257.610†	38841.6	0.0916 mg/L	0.00082	0.0916 mg/L	0.00082	0.89%
Mo 202.031†	25.7	0.00212 mg/L	0.000352	0.00212 mg/L	0.000352	16.56%
Ni 231.604†	159.0	0.00486 mg/L	0.000081	0.00486 mg/L	0.000081	1.67%
Pb 220.353†	-7.6	0.00194 mg/L	0.000264	0.00194 mg/L	0.000264	13.65%
Sb 206.836†	11.7	0.00870 mg/L	0.000721	0.00870 mg/L	0.000721	8.29%
Se 196.026†	-42.7	0.00053 mg/L	0.003080	0.00053 mg/L	0.003080	586.39%
Si 251.611†	419399.4	12.5 mg/L	0.17	12.5 mg/L	0.17	1.35%
Sn 189.927†	6.2	0.00000 mg/L	0.001236	0.00000 mg/L	0.001236	>999.9%
Ti 334.940†	9450.1	0.0143 mg/L	0.00165	0.0143 mg/L	0.00165	11.55%
Tl 190.801†	119.5	0.0642 mg/L	0.00273	0.0642 mg/L	0.00273	4.26%
V 290.880†	312.0	0.00279 mg/L	0.000422	0.00279 mg/L	0.000422	15.16%
Zn 206.200†	1590.6	0.0500 mg/L	0.00018	0.0500 mg/L	0.00018	0.35%
K 766.490†	14380.8	5.36 mg/L	0.061	5.36 mg/L	0.061	1.15%
Na 589.592†	161143.7	11.7 mg/L	0.08	11.7 mg/L	0.08	0.71%
Sr 407.771†	656716.8	0.610 mg/L	0.0452	0.610 mg/L	0.0452	7.41%
Li 670.784†	989.0	0.0125 mg/L	0.00182	0.0125 mg/L	0.00182	14.61%

Sequence No.: 28 **Autosampler Location: 72**
Sample ID: L1102026616 **Date Collected: 2/21/2011 6:11:00 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102026616

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102026616

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	4791686.6						36017.70	0.75%
YRADIAL	299873.0						1093.58	0.36%
Ga 417.206	1156557.1						18243.02	1.58%
GaRADIAL	56988.0						144.66	0.25%
Ag 328.068†	647.5	0.00105	mg/L	0.001323	0.00105	mg/L	0.001323	125.81%
Al 396.153†	9572.3	1.87	mg/L	0.022	1.87	mg/L	0.022	1.17%
As 188.979†	15.8	0.0164	mg/L	0.00336	0.0164	mg/L	0.00336	20.55%
Ba 233.527†	6481.0	0.113	mg/L	0.0008	0.113	mg/L	0.0008	0.74%
Be 234.861†	3561.2	0.00042	mg/L	0.000168	0.00042	mg/L	0.000168	40.22%
B 249.677†	-324.3	0.129	mg/L	0.0021	0.129	mg/L	0.0021	1.62%
Ca 227.546†	11660.9	111	mg/L	1.3	111	mg/L	1.3	1.15%
Cd 228.802†	11.1	0.00050	mg/L	0.000136	0.00050	mg/L	0.000136	27.24%
Co 228.616†	159.1	0.00754	mg/L	0.000250	0.00754	mg/L	0.000250	3.31%
Cr 267.716†	2893.9	0.0255	mg/L	0.00015	0.0255	mg/L	0.00015	0.58%
Cu 327.393†	11326.8	0.0826	mg/L	0.00216	0.0826	mg/L	0.00216	2.61%
Fe 239.562†	13325.3	29.3	mg/L	0.30	29.3	mg/L	0.30	1.04%
Mg 279.077†	10321.7	12.4	mg/L	0.13	12.4	mg/L	0.13	1.01%
Mn 257.610†	166840.1	0.390	mg/L	0.0058	0.390	mg/L	0.0058	1.50%
Mo 202.031†	33.9	0.00407	mg/L	0.000699	0.00407	mg/L	0.000699	17.17%
Ni 231.604†	1848.8	0.0554	mg/L	0.00020	0.0554	mg/L	0.00020	0.37%
Pb 220.353†	103.0	0.0206	mg/L	0.00054	0.0206	mg/L	0.00054	2.61%
Sb 206.836†	16.0	0.0113	mg/L	0.00384	0.0113	mg/L	0.00384	33.99%
Se 196.026†	-51.7	0.00251	mg/L	0.003825	0.00251	mg/L	0.003825	152.59%
Si 251.611†	877213.3	26.1	mg/L	0.30	26.1	mg/L	0.30	1.16%
Sn 189.927†	5.4	-0.00014	mg/L	0.000823	-0.00014	mg/L	0.000823	572.95%
Ti 334.940†	38912.2	0.0552	mg/L	0.00125	0.0552	mg/L	0.00125	2.27%
Tl 190.801†	130.6	0.0721	mg/L	0.00365	0.0721	mg/L	0.00365	5.06%
V 290.880†	3319.9	0.0252	mg/L	0.00073	0.0252	mg/L	0.00073	2.90%
Zn 206.200†	4333.9	0.136	mg/L	0.0011	0.136	mg/L	0.0011	0.81%
K 766.490†	185986.1	69.5	mg/L	0.46	69.5	mg/L	0.46	0.66%
Na 589.592†	1368040.0	100	mg/L	0.4	100	mg/L	0.4	0.40%
Sr 407.771†	324911.8	0.298	mg/L	0.0067	0.298	mg/L	0.0067	2.26%
Li 670.784†	1136.8	0.0142	mg/L	0.00069	0.0142	mg/L	0.00069	4.85%

Approved: February 22, 2011

Pierce Morris

Sequence No.: 29 **Autosampler Location: 73**
Sample ID: FBLK **Date Collected: 2/21/2011 6:16:43 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: FBLK

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: FBLK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5193164.9						79790.73	1.54%
YRADIAL	326735.7						9848.37	3.01%
Ga 417.206	1336022.6						7674.65	0.57%
GaRADIAL	63904.7						1174.59	1.84%
Ag 328.068†	66.7	-0.00031	mg/L	0.000296	-0.00031	mg/L	0.000296	94.73%
Al 396.153†	-52.2	-0.00605	mg/L	0.013924	-0.00605	mg/L	0.013924	230.01%
As 188.979†	1.4	0.00096	mg/L	0.003754	0.00096	mg/L	0.003754	390.21%
Ba 233.527†	4.7	-0.00023	mg/L	0.000011	-0.00023	mg/L	0.000011	4.96%
Be 234.861†	75.5	0.00014	mg/L	0.000015	0.00014	mg/L	0.000015	10.77%
B 249.677†	99.1	0.00319	mg/L	0.000127	0.00319	mg/L	0.000127	3.98%
Ca 227.546†	3.3	0.0712	mg/L	0.04574	0.0712	mg/L	0.04574	64.24%
Cd 228.802†	-0.5	-0.00016	mg/L	0.000092	-0.00016	mg/L	0.000092	58.78%
Co 228.616†	3.2	0.00014	mg/L	0.000328	0.00014	mg/L	0.000328	236.68%
Cr 267.716†	-8.2	-0.00024	mg/L	0.000109	-0.00024	mg/L	0.000109	45.96%
Cu 327.393†	-20.7	0.00005	mg/L	0.000168	0.00005	mg/L	0.000168	304.88%
Fe 239.562†	-3.3	-0.00459	mg/L	0.001666	-0.00459	mg/L	0.001666	36.32%
Mg 279.077†	-15.0	-0.00124	mg/L	0.007631	-0.00124	mg/L	0.007631	617.43%
Mn 257.610†	-23.7	-0.00015	mg/L	0.000025	-0.00015	mg/L	0.000025	16.81%
Mo 202.031†	0.1	-0.00003	mg/L	0.000267	-0.00003	mg/L	0.000267	856.81%
Ni 231.604†	-2.1	0.00009	mg/L	0.000343	0.00009	mg/L	0.000343	393.98%
Pb 220.353†	4.5	-0.00120	mg/L	0.001057	-0.00120	mg/L	0.001057	87.76%
Sb 206.836†	-1.2	0.00050	mg/L	0.001215	0.00050	mg/L	0.001215	244.07%
Se 196.026†	-2.8	-0.00086	mg/L	0.003020	-0.00086	mg/L	0.003020	350.89%
Si 251.611†	15012.4	0.443	mg/L	0.0038	0.443	mg/L	0.0038	0.86%
Sn 189.927†	3.4	-0.00050	mg/L	0.000984	-0.00050	mg/L	0.000984	197.03%
Ti 334.940†	-63.5	-0.00007	mg/L	0.000121	-0.00007	mg/L	0.000121	166.39%
Tl 190.801†	-2.9	0.00019	mg/L	0.000376	0.00019	mg/L	0.000376	202.65%
V 290.880†	123.8	0.00122	mg/L	0.000609	0.00122	mg/L	0.000609	49.90%
Zn 206.200†	21.3	0.00066	mg/L	0.000104	0.00066	mg/L	0.000104	15.74%
K 766.490†	37.4	-0.00716	mg/L	0.010045	-0.00716	mg/L	0.010045	140.22%
Na 589.592†	615.1	0.0290	mg/L	0.00339	0.0290	mg/L	0.00339	11.69%
Sr 407.771†	10.8	0.00021	mg/L	0.000050	0.00021	mg/L	0.000050	23.69%
Li 670.784†	-121.7	-0.00086	mg/L	0.000285	-0.00086	mg/L	0.000285	33.06%

Sequence No.: 30 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 6:23:24 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4943227.4						69759.85	1.41%
YRADIAL	299342.9						4818.32	1.61%
Ga 417.206	1195370.9						15550.05	1.30%
GaRADIAL	58641.3						1813.49	3.09%
Ag 328.068†	79274.5	0.396	mg/L	0.0053	0.396	mg/L	0.0053	1.34%
QC value within limits for Ag 328.068 Recovery = 99.10%								
Al 396.153†	51801.8	10.1	mg/L	0.05	10.1	mg/L	0.05	0.48%

Approved: February 22, 2011

Pierre Morris

QC value within limits for Al 396.153 Recovery = 100.80%

As 188.979†	422.7	0.394 mg/L	0.0069	0.394 mg/L	0.0069	1.75%
QC value within limits for As 188.979 Recovery = 98.52%							
Ba 233.527†	57847.6	1.01 mg/L	0.017	1.01 mg/L	0.017	1.72%
QC value within limits for Ba 233.527 Recovery = 101.42%							
Be 234.861†	28211.6	0.0504 mg/L	0.00086	0.0504 mg/L	0.00086	1.70%
QC value within limits for Be 234.861 Recovery = 100.84%							
B 249.677†	26419.4	0.506 mg/L	0.0082	0.506 mg/L	0.0082	1.62%
QC value within limits for B 249.677 Recovery = 101.26%							
Ca 227.546†	1029.4	10.2 mg/L	0.12	10.2 mg/L	0.12	1.23%
QC value within limits for Ca 227.546 Recovery = 101.97%							
Cd 228.802†	867.0	0.0500 mg/L	0.00065	0.0500 mg/L	0.00065	1.30%
QC value within limits for Cd 228.802 Recovery = 100.00%							
Co 228.616†	3781.7	0.200 mg/L	0.0030	0.200 mg/L	0.0030	1.51%
QC value within limits for Co 228.616 Recovery = 99.76%							
Cr 267.716†	56283.7	0.503 mg/L	0.0083	0.503 mg/L	0.0083	1.64%
QC value within limits for Cr 267.716 Recovery = 100.57%							
Cu 327.393†	72053.8	0.504 mg/L	0.0072	0.504 mg/L	0.0072	1.43%
QC value within limits for Cu 327.393 Recovery = 100.86%							
Fe 239.562†	1811.7	3.98 mg/L	0.126	3.98 mg/L	0.126	3.16%
QC value within limits for Fe 239.562 Recovery = 99.48%							
Mg 279.077†	8198.1	9.89 mg/L	0.285	9.89 mg/L	0.285	2.88%
QC value within limits for Mg 279.077 Recovery = 98.89%							
Mn 257.610†	220562.4	0.509 mg/L	0.0086	0.509 mg/L	0.0086	1.69%
QC value within limits for Mn 257.610 Recovery = 101.79%							
Mo 202.031†	13432.3	1.02 mg/L	0.016	1.02 mg/L	0.016	1.52%
QC value within limits for Mo 202.031 Recovery = 102.33%							
Ni 231.604†	16804.2	0.503 mg/L	0.0107	0.503 mg/L	0.0107	2.12%
QC value within limits for Ni 231.604 Recovery = 100.55%							
Pb 220.353†	2884.6	0.525 mg/L	0.0084	0.525 mg/L	0.0084	1.60%
QC value within limits for Pb 220.353 Recovery = 104.93%							
Sb 206.836†	1853.7	1.19 mg/L	0.016	1.19 mg/L	0.016	1.33%
QC value within limits for Sb 206.836 Recovery = 98.90%							
Se 196.026†	556.4	0.401 mg/L	0.0091	0.401 mg/L	0.0091	2.26%
QC value within limits for Se 196.026 Recovery = 100.23%							
Si 251.611†	168838.8	5.00 mg/L	0.082	5.00 mg/L	0.082	1.64%
QC value within limits for Si 251.611 Recovery = 100.00%							
Sn 189.927†	5744.4	1.03 mg/L	0.016	1.03 mg/L	0.016	1.54%
QC value within limits for Sn 189.927 Recovery = 102.62%							
Ti 334.940†	712467.9	0.991 mg/L	0.0017	0.991 mg/L	0.0017	0.17%
QC value within limits for Ti 334.940 Recovery = 99.05%							
Tl 190.801†	832.5	0.517 mg/L	0.0094	0.517 mg/L	0.0094	1.82%
QC value within limits for Tl 190.801 Recovery = 103.31%							
V 290.880†	147167.7	1.00 mg/L	0.017	1.00 mg/L	0.017	1.70%
QC value within limits for V 290.880 Recovery = 100.29%							
Zn 206.200†	31969.9	1.01 mg/L	0.013	1.01 mg/L	0.013	1.27%
QC value within limits for Zn 206.200 Recovery = 100.99%							
K 766.490†	133461.7	49.9 mg/L	0.35	49.9 mg/L	0.35	0.70%
QC value within limits for K 766.490 Recovery = 99.89%							
Na 589.592†	678778.8	49.4 mg/L	0.78	49.4 mg/L	0.78	1.58%
QC value within limits for Na 589.592 Recovery = 98.87%							
Sr 407.771†	1087572.2	1.01 mg/L	0.090	1.01 mg/L	0.090	8.92%
QC value within limits for Sr 407.771 Recovery = 100.96%							
Li 670.784†	83006.3	0.996 mg/L	0.0098	0.996 mg/L	0.0098	0.99%
QC value within limits for Li 670.784 Recovery = 99.59%							

All analyte(s) passed QC.

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Sequence No.: 31 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 6:30:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD

Approved: February 22, 2011

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Y 371.029	5181046.2					77184.48	1.49%	
YRADIAL	310996.6					6367.12	2.05%	
Ga 417.206	1251272.9					9955.18	0.80%	
GaRADIAL	60205.6					392.86	0.65%	
Ag 328.068†	-60.0	-0.00095 mg/L	0.000375	-0.00095 mg/L	0.000375	39.55%		
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-55.3	-0.00665 mg/L	0.010159	-0.00665 mg/L	0.010159	152.80%		
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.8	-0.00111 mg/L	0.000971	-0.00111 mg/L	0.000971	87.26%		
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	5.7	-0.00022 mg/L	0.000125	-0.00022 mg/L	0.000125	58.18%		
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	13.4	0.00003 mg/L	0.000039	0.00003 mg/L	0.000039	144.31%		
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	243.2	0.00592 mg/L	0.000412	0.00592 mg/L	0.000412	6.97%		
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-4.4	-0.00033 mg/L	0.021411	-0.00033 mg/L	0.021411	>999.9%		
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	0.4	-0.00010 mg/L	0.000138	-0.00010 mg/L	0.000138	143.91%		
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	1.4	0.00004 mg/L	0.000135	0.00004 mg/L	0.000135	345.56%		
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-4.9	-0.00021 mg/L	0.000079	-0.00021 mg/L	0.000079	38.10%		
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-100.1	-0.00050 mg/L	0.000228	-0.00050 mg/L	0.000228	45.74%		
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	-2.7	-0.00319 mg/L	0.001711	-0.00319 mg/L	0.001711	53.62%		
QC value within limits for Fe 239.562 Recovery = Not calculated								
Mg 279.077†	-14.0	-0.00006 mg/L	0.007404	-0.00006 mg/L	0.007404	>999.9%		
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	12.4	-0.00015 mg/L	0.000006	-0.00015 mg/L	0.000006	4.12%		
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.3	0.00014 mg/L	0.000164	0.00014 mg/L	0.000164	118.50%		
QC value within limits for Mo 202.031 Recovery = Not calculated								
Ni 231.604†	6.8	0.00036 mg/L	0.000258	0.00036 mg/L	0.000258	72.35%		
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	10.6	-0.00010 mg/L	0.000198	-0.00010 mg/L	0.000198	190.99%		
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	2.8	0.00303 mg/L	0.001759	0.00303 mg/L	0.001759	57.97%		
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-1.9	-0.00022 mg/L	0.003562	-0.00022 mg/L	0.003562	>999.9%		
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	154.1	0.00128 mg/L	0.000435	0.00128 mg/L	0.000435	33.87%		
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	9.3	0.00057 mg/L	0.000797	0.00057 mg/L	0.000797	140.44%		
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-115.9	-0.00015 mg/L	0.000237	-0.00015 mg/L	0.000237	161.79%		
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-5.1	-0.00120 mg/L	0.000659	-0.00120 mg/L	0.000659	55.14%		
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 290.880†	-35.8	0.00013 mg/L	0.000542	0.00013 mg/L	0.000542	406.71%		
QC value within limits for V 290.880 Recovery = Not calculated								
Zn 206.200†	-1.8	-0.00007 mg/L	0.000196	-0.00007 mg/L	0.000196	291.52%		
QC value within limits for Zn 206.200 Recovery = Not calculated								
K 766.490†	124.6	0.0256 mg/L	0.04733	0.0256 mg/L	0.04733	185.00%		
QC value within limits for K 766.490 Recovery = Not calculated								
Na 589.592†	445.9	0.0167 mg/L	0.00475	0.0167 mg/L	0.00475	28.42%		
QC value within limits for Na 589.592 Recovery = Not calculated								
Sr 407.771†	-43.5	0.00016 mg/L	0.000022	0.00016 mg/L	0.000022	13.89%		
QC value within limits for Sr 407.771 Recovery = Not calculated								
Li 670.784†	-104.2	-0.00065 mg/L	0.000606	-0.00065 mg/L	0.000606	93.17%		
QC value within limits for Li 670.784 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 32 **Autosampler Location: 3**
Sample ID: LLCCV **Date Collected: 2/21/2011 6:36:39 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LLCCV

Approved: February 22, 2011

Pierre Morris

Analyte	Back Pressure	Flow
All	170.0 kPa	0.50 L/min

Mean Data: LLCCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5128090.0						24069.23	0.47%
YRADIAL	310785.3						4583.82	1.47%
Ga 417.206	1249701.0						6718.73	0.54%
GaRADIAL	60169.2						83.74	0.14%
Ag 328.068†	1617.1	0.00745	mg/L	0.000435	0.00745	mg/L	0.000435	5.84%
Al 396.153†	1112.8	0.221	mg/L	0.0076	0.221	mg/L	0.0076	3.43%
As 188.979†	8.4	0.00743	mg/L	0.003437	0.00743	mg/L	0.003437	46.25%
Ba 233.527†	1190.0	0.0206	mg/L	0.00014	0.0206	mg/L	0.00014	0.69%
Be 234.861†	577.2	0.00103	mg/L	0.000016	0.00103	mg/L	0.000016	1.56%
B 249.677†	724.5	0.0152	mg/L	0.00037	0.0152	mg/L	0.00037	2.43%
Ca 227.546†	19.9	0.238	mg/L	0.0905	0.238	mg/L	0.0905	38.07%
Cd 228.802†	17.7	0.00091	mg/L	0.000105	0.00091	mg/L	0.000105	11.54%
Co 228.616†	80.9	0.00424	mg/L	0.000158	0.00424	mg/L	0.000158	3.73%
Cr 267.716†	1195.1	0.0105	mg/L	0.00004	0.0105	mg/L	0.00004	0.41%
Cu 327.393†	1355.5	0.00969	mg/L	0.000516	0.00969	mg/L	0.000516	5.33%
Fe 239.562†	40.9	0.0925	mg/L	0.00281	0.0925	mg/L	0.00281	3.04%
Mg 279.077†	170.4	0.222	mg/L	0.0018	0.222	mg/L	0.0018	0.81%
Mn 257.610†	4558.9	0.0104	mg/L	0.00016	0.0104	mg/L	0.00016	1.55%
Mo 202.031†	270.4	0.0206	mg/L	0.00018	0.0206	mg/L	0.00018	0.89%
Ni 231.604†	346.8	0.0105	mg/L	0.00018	0.0105	mg/L	0.00018	1.71%
Pb 220.353†	65.9	0.0100	mg/L	0.00186	0.0100	mg/L	0.00186	18.57%
Sb 206.836†	37.9	0.0255	mg/L	0.00134	0.0255	mg/L	0.00134	5.25%
Se 196.026†	11.7	0.00950	mg/L	0.005228	0.00950	mg/L	0.005228	55.03%
Si 251.611†	4128.6	0.119	mg/L	0.0046	0.119	mg/L	0.0046	3.89%
Sn 189.927†	121.4	0.0206	mg/L	0.00076	0.0206	mg/L	0.00076	3.67%
Ti 334.940†	14569.6	0.0203	mg/L	0.00013	0.0203	mg/L	0.00013	0.66%
Tl 190.801†	9.8	0.00809	mg/L	0.003094	0.00809	mg/L	0.003094	38.26%
V 290.880†	3030.7	0.0210	mg/L	0.00086	0.0210	mg/L	0.00086	4.08%
Zn 206.200†	692.9	0.0219	mg/L	0.00030	0.0219	mg/L	0.00030	1.36%
K 766.490†	2886.4	1.06	mg/L	0.033	1.06	mg/L	0.033	3.07%
Na 589.592†	14847.6	1.06	mg/L	0.005	1.06	mg/L	0.005	0.51%
Sr 407.771†	22709.1	0.0213	mg/L	0.00155	0.0213	mg/L	0.00155	7.29%
Li 670.784†	1698.3	0.0210	mg/L	0.00082	0.0210	mg/L	0.00082	3.91%

Sequence No.: 33 **Autosampler Location: 74**
Sample ID: PBW 6R WG356895-02 **Date Collected: 2/21/2011 6:43:17 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW 6R WG356895-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: PBW 6R WG356895-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5165609.0						31951.93	0.62%
YRADIAL	303613.1						3437.24	1.13%
Ga 417.206	1278847.1						9558.60	0.75%
GaRADIAL	59694.2						1591.38	2.67%
Ag 328.068†	-68.9	-0.00099	mg/L	0.000422	-0.00099	mg/L	0.000422	42.62%
Al 396.153†	-76.2	-0.0107	mg/L	0.01443	-0.0107	mg/L	0.01443	134.52%
As 188.979†	-0.3	-0.00064	mg/L	0.001389	-0.00064	mg/L	0.001389	217.86%
Ba 233.527†	6.6	-0.00020	mg/L	0.000049	-0.00020	mg/L	0.000049	24.91%
Be 234.861†	26.0	0.00005	mg/L	0.000015	0.00005	mg/L	0.000015	31.52%
B 249.677†	119.2	0.00357	mg/L	0.000128	0.00357	mg/L	0.000128	3.58%
Ca 227.546†	-3.0	0.0127	mg/L	0.04496	0.0127	mg/L	0.04496	355.31%
Cd 228.802†	0.5	-0.00009	mg/L	0.000139	-0.00009	mg/L	0.000139	148.12%
Co 228.616†	-1.8	-0.00013	mg/L	0.000181	-0.00013	mg/L	0.000181	139.23%
Cr 267.716†	-0.8	-0.00017	mg/L	0.000018	-0.00017	mg/L	0.000018	10.45%
Cu 327.393†	-70.8	-0.00029	mg/L	0.000446	-0.00029	mg/L	0.000446	151.24%
Fe 239.562†	-3.1	-0.00400	mg/L	0.002663	-0.00400	mg/L	0.002663	66.59%

Approved: February 22, 2011

Pierre Morris

Mg 279.077†	-12.6	0.00163	mg/L	0.008403	0.00163	mg/L	0.008403 515.87%
Mn 257.610†	-14.7	-0.00021	mg/L	0.000019	-0.00021	mg/L	0.000019 9.08%
Mo 202.031†	0.4	-0.00001	mg/L	0.000220	-0.00001	mg/L	0.000220 >999.9%
Ni 231.604†	2.3	0.00022	mg/L	0.000265	0.00022	mg/L	0.000265 119.99%
Pb 220.353†	7.9	-0.00059	mg/L	0.000909	-0.00059	mg/L	0.000909 154.00%
Sb 206.836†	-1.0	0.00062	mg/L	0.002969	0.00062	mg/L	0.002969 475.68%
Se 196.026†	1.0	0.00186	mg/L	0.002264	0.00186	mg/L	0.002264 121.52%
Si 251.611†	202.1	0.00271	mg/L	0.000117	0.00271	mg/L	0.000117 4.33%
Sn 189.927†	6.4	0.00004	mg/L	0.000589	0.00004	mg/L	0.000589 >999.9%
Ti 334.940†	-1.1	0.00001	mg/L	0.000273	0.00001	mg/L	0.000273 >999.9%
Tl 190.801†	-6.3	-0.00192	mg/L	0.001507	-0.00192	mg/L	0.001507 78.57%
V 290.880†	75.8	0.00089	mg/L	0.001012	0.00089	mg/L	0.001012 113.33%
Zn 206.200†	62.2	0.00195	mg/L	0.000093	0.00195	mg/L	0.000093 4.75%
K 766.490†	11.2	-0.0170	mg/L	0.03399	-0.0170	mg/L	0.03399 200.16%
Na 589.592†	327.7	0.00813	mg/L	0.005867	0.00813	mg/L	0.005867 72.18%
Sr 407.771†	73.1	0.00027	mg/L	0.000047	0.00027	mg/L	0.000047 17.59%
Li 670.784†	-61.7	-0.00014	mg/L	0.001879	-0.00014	mg/L	0.001879 >999.9%

Sequence No.: 34 **Autosampler Location: 75**
Sample ID: LCSW 6R WG356895-03 **Date Collected: 2/21/2011 6:49:56 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 6R WG356895-03

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LCSW 6R WG356895-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5050806.3						47967.74	0.95%
YRADIAL	310199.3						12326.28	3.97%
Ga 417.206	1245125.2						9227.20	0.74%
GaRADIAL	60625.2						1536.50	2.53%
Ag 328.068†	39677.4	0.198	mg/L	0.0017	0.198	mg/L	0.0017	0.85%
Al 396.153†	26502.3	5.16	mg/L	0.004	5.16	mg/L	0.004	0.09%
As 188.979†	206.3	0.192	mg/L	0.0027	0.192	mg/L	0.0027	1.38%
Ba 233.527†	29301.1	0.514	mg/L	0.0044	0.514	mg/L	0.0044	0.87%
Be 234.861†	13989.3	0.0250	mg/L	0.00031	0.0250	mg/L	0.00031	1.24%
B 249.677†	52508.2	0.995	mg/L	0.0111	0.995	mg/L	0.0111	1.12%
Ca 227.546†	511.4	5.09	mg/L	0.046	5.09	mg/L	0.046	0.90%
Cd 228.802†	424.9	0.0245	mg/L	0.00025	0.0245	mg/L	0.00025	1.02%
Co 228.616†	1910.7	0.101	mg/L	0.0011	0.101	mg/L	0.0011	1.10%
Cr 267.716†	28345.8	0.253	mg/L	0.0023	0.253	mg/L	0.0023	0.89%
Cu 327.393†	35924.0	0.252	mg/L	0.0032	0.252	mg/L	0.0032	1.29%
Fe 239.562†	903.1	1.98	mg/L	0.073	1.98	mg/L	0.073	3.66%
Mg 279.077†	4144.3	5.01	mg/L	0.192	5.01	mg/L	0.192	3.83%
Mn 257.610†	113091.2	0.261	mg/L	0.0029	0.261	mg/L	0.0029	1.09%
Mo 202.031†	6640.8	0.506	mg/L	0.0019	0.506	mg/L	0.0019	0.37%
Ni 231.604†	8610.4	0.258	mg/L	0.0024	0.258	mg/L	0.0024	0.95%
Pb 220.353†	1456.0	0.264	mg/L	0.0049	0.264	mg/L	0.0049	1.86%
Sb 206.836†	923.6	0.592	mg/L	0.0056	0.592	mg/L	0.0056	0.94%
Se 196.026†	273.0	0.197	mg/L	0.0043	0.197	mg/L	0.0043	2.20%
Si 251.611†	86678.2	2.57	mg/L	0.025	2.57	mg/L	0.025	0.99%
Sn 189.927†	3127.5	0.558	mg/L	0.0048	0.558	mg/L	0.0048	0.85%
Ti 334.940†	361395.9	0.502	mg/L	0.0009	0.502	mg/L	0.0009	0.17%
Tl 190.801†	416.9	0.260	mg/L	0.0022	0.260	mg/L	0.0022	0.86%
V 290.880†	74286.6	0.506	mg/L	0.0058	0.506	mg/L	0.0058	1.14%
Zn 206.200†	16024.3	0.506	mg/L	0.0026	0.506	mg/L	0.0026	0.51%
K 766.490†	67233.6	25.2	mg/L	0.11	25.2	mg/L	0.11	0.44%
Na 589.592†	345690.5	25.1	mg/L	0.22	25.1	mg/L	0.22	0.86%
Sr 407.771†	570790.3	0.530	mg/L	0.0375	0.530	mg/L	0.0375	7.08%
Li 670.784†	42614.2	0.512	mg/L	0.0034	0.512	mg/L	0.0034	0.67%

Sequence No.: 35 **Autosampler Location: 76**
Sample ID: L1102044705 WG356895-01 **Date Collected: 2/21/2011 6:56:39 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**

Approved: February 22, 2011

Pierre Morris

Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705 WG356895-01

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102044705 WG356895-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5214259.2						44903.26	0.86%
YRADIAL	313358.5						3849.22	1.23%
Ga 417.206	1271156.8						25477.78	2.00%
GaRADIAL	60987.6						1374.70	2.25%
Ag 328.068†	-32.1	-0.00081	mg/L	0.000365	-0.00081	mg/L	0.000365	45.20%
Al 396.153†	-115.8	-0.0184	mg/L	0.02491	-0.0184	mg/L	0.02491	135.20%
As 188.979†	0.4	0.00001	mg/L	0.001592	0.00001	mg/L	0.001592	>999.9%
Ba 233.527†	2.4	-0.00027	mg/L	0.000043	-0.00027	mg/L	0.000043	15.87%
Be 234.861†	11.1	0.00002	mg/L	0.000028	0.00002	mg/L	0.000028	130.63%
B 249.677†	325.3	0.00750	mg/L	0.000286	0.00750	mg/L	0.000286	3.82%
Ca 227.546†	-3.9	0.00401	mg/L	0.064249	0.00401	mg/L	0.064249	>999.9%
Cd 228.802†	2.5	0.00002	mg/L	0.000170	0.00002	mg/L	0.000170	827.30%
Co 228.616†	-0.4	-0.00006	mg/L	0.000178	-0.00006	mg/L	0.000178	312.95%
Cr 267.716†	34.6	0.00015	mg/L	0.000103	0.00015	mg/L	0.000103	71.09%
Cu 327.393†	-48.1	-0.00014	mg/L	0.000445	-0.00014	mg/L	0.000445	328.23%
Fe 239.562†	-0.6	0.00136	mg/L	0.004942	0.00136	mg/L	0.004942	364.48%
Mg 279.077†	-15.3	-0.00154	mg/L	0.003197	-0.00154	mg/L	0.003197	207.80%
Mn 257.610†	-8.2	-0.00020	mg/L	0.000015	-0.00020	mg/L	0.000015	7.59%
Mo 202.031†	-1.4	-0.00015	mg/L	0.000084	-0.00015	mg/L	0.000084	57.28%
Ni 231.604†	8.6	0.00041	mg/L	0.000290	0.00041	mg/L	0.000290	70.66%
Pb 220.353†	4.9	-0.00113	mg/L	0.000753	-0.00113	mg/L	0.000753	66.44%
Sb 206.836†	1.0	0.00192	mg/L	0.001464	0.00192	mg/L	0.001464	76.44%
Se 196.026†	1.1	0.00189	mg/L	0.001640	0.00189	mg/L	0.001640	86.61%
Si 251.611†	99.0	-0.00035	mg/L	0.000646	-0.00035	mg/L	0.000646	183.82%
Sn 189.927†	6.9	0.00014	mg/L	0.000434	0.00014	mg/L	0.000434	318.77%
Ti 334.940†	-75.9	-0.00009	mg/L	0.000256	-0.00009	mg/L	0.000256	281.59%
Tl 190.801†	-7.5	-0.00261	mg/L	0.001882	-0.00261	mg/L	0.001882	72.26%
V 290.880†	23.3	0.00054	mg/L	0.001072	0.00054	mg/L	0.001072	199.97%
Zn 206.200†	43.4	0.00136	mg/L	0.000177	0.00136	mg/L	0.000177	13.05%
K 766.490†	61.1	0.00175	mg/L	0.020986	0.00175	mg/L	0.020986	>999.9%
Na 589.592†	296.2	0.00585	mg/L	0.000986	0.00585	mg/L	0.000986	16.87%
Sr 407.771†	76.2	0.00027	mg/L	0.000047	0.00027	mg/L	0.000047	17.42%
Li 670.784†	-137.1	-0.00104	mg/L	0.000762	-0.00104	mg/L	0.000762	72.93%

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Sequence No.: 36 **Autosampler Location: 77**
Sample ID: L1102044705PS WG356956-03 **Date Collected: 2/21/2011 7:03:20 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705PS WG356956-03

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102044705PS WG356956-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4989669.5						28922.90	0.58%
YRADIAL	302123.4						4933.62	1.63%
Ga 417.206	1228934.9						18896.93	1.54%
GaRADIAL	59487.2						942.42	1.58%
Ag 328.068†	39959.3	0.199	mg/L	0.0105	0.199	mg/L	0.0105	5.28%
Al 396.153†	27957.2	5.44	mg/L	0.044	5.44	mg/L	0.044	0.80%
As 188.979†	203.7	0.190	mg/L	0.0089	0.190	mg/L	0.0089	4.71%
Ba 233.527†	29467.4	0.516	mg/L	0.0253	0.516	mg/L	0.0253	4.89%
Be 234.861†	13963.4	0.0249	mg/L	0.00147	0.0249	mg/L	0.00147	5.92%
B 249.677†	53177.6	1.01	mg/L	0.053	1.01	mg/L	0.053	5.21%
Ca 227.546†	504.3	5.03	mg/L	0.207	5.03	mg/L	0.207	4.11%
Cd 228.802†	420.8	0.0242	mg/L	0.00135	0.0242	mg/L	0.00135	5.55%

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Co 228.616†	1893.2	0.0998	mg/L	0.00372	0.0998	mg/L	0.00372 3.72%
Cr 267.716†	28699.5	0.256	mg/L	0.0134	0.256	mg/L	0.0134 5.21%
Cu 327.393†	36034.3	0.252	mg/L	0.0139	0.252	mg/L	0.0139 5.53%
Fe 239.562†	998.1	2.19	mg/L	0.039	2.19	mg/L	0.039 1.76%
Mg 279.077†	4562.6	5.51	mg/L	0.090	5.51	mg/L	0.090 1.63%
Mn 257.610†	113731.7	0.262	mg/L	0.0136	0.262	mg/L	0.0136 5.18%
Mo 202.031†	6705.8	0.511	mg/L	0.0246	0.511	mg/L	0.0246 4.81%
Ni 231.604†	8615.6	0.258	mg/L	0.0136	0.258	mg/L	0.0136 5.28%
Pb 220.353†	1451.1	0.263	mg/L	0.0092	0.263	mg/L	0.0092 3.51%
Sb 206.836†	912.3	0.585	mg/L	0.0250	0.585	mg/L	0.0250 4.28%
Se 196.026†	272.7	0.197	mg/L	0.0088	0.197	mg/L	0.0088 4.47%
Si 251.611†	86485.4	2.56	mg/L	0.149	2.56	mg/L	0.149 5.82%
Sn 189.927†	-4.8	-0.00196	mg/L	0.000440	-0.00196	mg/L	0.000440 22.43%
Ti 334.940†	362703.8	0.504	mg/L	0.0320	0.504	mg/L	0.0320 6.35%
Tl 190.801†	417.3	0.260	mg/L	0.0119	0.260	mg/L	0.0119 4.58%
V 290.880†	74602.9	0.509	mg/L	0.0247	0.509	mg/L	0.0247 4.87%
Zn 206.200†	16215.3	0.512	mg/L	0.0308	0.512	mg/L	0.0308 6.02%
K 766.490†	71252.8	26.7	mg/L	0.06	26.7	mg/L	0.06 0.23%
Na 589.592†	366631.3	26.6	mg/L	0.55	26.6	mg/L	0.55 2.06%
Sr 407.771†	593705.8	0.551	mg/L	0.0469	0.551	mg/L	0.0469 8.52%
Li 670.784†	44999.6	0.540	mg/L	0.0009	0.540	mg/L	0.0009 0.17%

Sequence No.: 37 **Autosampler Location: 78**
Sample ID: L1102044705DL WG356956-04 **Date Collected: 2/21/2011 7:10:02 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705DL WG356956-04

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102044705DL WG356956-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5213286.7						72638.03	1.39%
YRADIAL	307564.5						1511.74	0.49%
Ga 417.206	1254250.5						5690.68	0.45%
GaRADIAL	59724.0						1368.57	2.29%
Ag 328.068†	27.5	-0.00051	mg/L	0.000758	-0.00051	mg/L	0.000758	148.64%
Al 396.153†	72.6	0.0183	mg/L	0.02057	0.0183	mg/L	0.02057	112.68%
As 188.979†	-1.2	-0.00152	mg/L	0.003045	-0.00152	mg/L	0.003045	199.77%
Ba 233.527†	2.3	-0.00027	mg/L	0.000066	-0.00027	mg/L	0.000066	24.03%
Be 234.861†	4.7	0.00001	mg/L	0.000027	0.00001	mg/L	0.000027	300.25%
B 249.677†	567.5	0.0121	mg/L	0.00018	0.0121	mg/L	0.00018	1.46%
Ca 227.546†	-0.2	0.0389	mg/L	0.04003	0.0389	mg/L	0.04003	102.78%
Cd 228.802†	1.8	-0.00001	mg/L	0.000086	-0.00001	mg/L	0.000086	721.94%
Co 228.616†	-1.6	-0.00012	mg/L	0.000069	-0.00012	mg/L	0.000069	58.28%
Cr 267.716†	-2.4	-0.00019	mg/L	0.000046	-0.00019	mg/L	0.000046	24.75%
Cu 327.393†	1.6	0.00021	mg/L	0.000436	0.00021	mg/L	0.000436	206.44%
Fe 239.562†	2.5	0.00835	mg/L	0.002072	0.00835	mg/L	0.002072	24.81%
Mg 279.077†	6.6	0.0248	mg/L	0.00676	0.0248	mg/L	0.00676	27.25%
Mn 257.610†	0.8	-0.00017	mg/L	0.000014	-0.00017	mg/L	0.000014	7.99%
Mo 202.031†	-0.6	-0.00009	mg/L	0.000127	-0.00009	mg/L	0.000127	146.10%
Ni 231.604†	4.1	0.00027	mg/L	0.000096	0.00027	mg/L	0.000096	35.17%
Pb 220.353†	3.5	-0.00138	mg/L	0.001713	-0.00138	mg/L	0.001713	123.75%
Sb 206.836†	0.5	0.00157	mg/L	0.000969	0.00157	mg/L	0.000969	61.73%
Se 196.026†	-1.3	0.00016	mg/L	0.002933	0.00016	mg/L	0.002933	>999.9%
Si 251.611†	747.2	0.0189	mg/L	0.00028	0.0189	mg/L	0.00028	1.49%
Sn 189.927†	5.9	-0.00004	mg/L	0.000479	-0.00004	mg/L	0.000479	>999.9%
Ti 334.940†	-10.0	0.00000	mg/L	0.000038	0.00000	mg/L	0.000038	>999.9%
Tl 190.801†	-3.2	-0.00005	mg/L	0.000878	-0.00005	mg/L	0.000878	>999.9%
V 290.880†	2.4	0.00039	mg/L	0.001052	0.00039	mg/L	0.001052	266.59%
Zn 206.200†	56.4	0.00177	mg/L	0.000062	0.00177	mg/L	0.000062	3.52%
K 766.490†	84.5	0.0105	mg/L	0.04239	0.0105	mg/L	0.04239	402.30%
Na 589.592†	374.6	0.0115	mg/L	0.00390	0.0115	mg/L	0.00390	33.79%
Sr 407.771†	93.5	0.00029	mg/L	0.000043	0.00029	mg/L	0.000043	15.08%
Li 670.784†	-111.0	-0.00073	mg/L	0.000218	-0.00073	mg/L	0.000218	29.84%

Approved: February 22, 2011

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Sequence No.: 38 **Autosampler Location: 79**
Sample ID: L1102044705S WG356895-04 **Date Collected: 2/21/2011 7:16:40 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705S WG356895-04

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102044705S WG356895-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5055854.8						45373.84	0.90%
YRADIAL	308321.7						3497.23	1.13%
Ga 417.206	1244859.5						14770.21	1.19%
GaRADIAL	60073.9						761.75	1.27%
Ag 328.068†	38917.9	0.194	mg/L	0.0044	0.194	mg/L	0.0044	2.28%
Al 396.153†	26090.5	5.08	mg/L	0.039	5.08	mg/L	0.039	0.76%
As 188.979†	205.7	0.192	mg/L	0.0014	0.192	mg/L	0.0014	0.71%
Ba 233.527†	28858.2	0.506	mg/L	0.0082	0.506	mg/L	0.0082	1.61%
Be 234.861†	13737.8	0.0245	mg/L	0.00059	0.0245	mg/L	0.00059	2.41%
B 249.677†	51784.5	0.982	mg/L	0.0221	0.982	mg/L	0.0221	2.25%
Ca 227.546†	497.3	4.95	mg/L	0.047	4.95	mg/L	0.047	0.95%
Cd 228.802†	426.1	0.0245	mg/L	0.00031	0.0245	mg/L	0.00031	1.26%
Co 228.616†	1887.7	0.0996	mg/L	0.00065	0.0996	mg/L	0.00065	0.65%
Cr 267.716†	27805.1	0.248	mg/L	0.0039	0.248	mg/L	0.0039	1.55%
Cu 327.393†	35155.8	0.246	mg/L	0.0056	0.246	mg/L	0.0056	2.29%
Fe 239.562†	908.2	2.00	mg/L	0.028	2.00	mg/L	0.028	1.42%
Mg 279.077†	4163.2	5.03	mg/L	0.050	5.03	mg/L	0.050	1.00%
Mn 257.610†	110825.1	0.256	mg/L	0.0042	0.256	mg/L	0.0042	1.62%
Mo 202.031†	6592.7	0.502	mg/L	0.0089	0.502	mg/L	0.0089	1.77%
Ni 231.604†	8448.9	0.253	mg/L	0.0054	0.253	mg/L	0.0054	2.13%
Pb 220.353†	1444.5	0.262	mg/L	0.0032	0.262	mg/L	0.0032	1.21%
Sb 206.836†	909.2	0.583	mg/L	0.0046	0.583	mg/L	0.0046	0.79%
Se 196.026†	268.7	0.194	mg/L	0.0044	0.194	mg/L	0.0044	2.27%
Si 251.611†	84857.4	2.51	mg/L	0.064	2.51	mg/L	0.064	2.56%
Sn 189.927†	3026.7	0.540	mg/L	0.0047	0.540	mg/L	0.0047	0.87%
Ti 334.940†	357168.1	0.497	mg/L	0.0022	0.497	mg/L	0.0022	0.44%
Tl 190.801†	414.9	0.258	mg/L	0.0059	0.258	mg/L	0.0059	2.29%
V 290.880†	72787.4	0.496	mg/L	0.0077	0.496	mg/L	0.0077	1.55%
Zn 206.200†	15751.7	0.498	mg/L	0.0057	0.498	mg/L	0.0057	1.15%
K 766.490†	65993.5	24.7	mg/L	0.24	24.7	mg/L	0.24	0.96%
Na 589.592†	339142.4	24.6	mg/L	0.27	24.6	mg/L	0.27	1.11%
Sr 407.771†	538987.4	0.500	mg/L	0.0351	0.500	mg/L	0.0351	7.00%
Li 670.784†	41708.7	0.501	mg/L	0.0051	0.501	mg/L	0.0051	1.02%

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Sequence No.: 39 **Autosampler Location: 80**
Sample ID: L1102044705SD WG356895-05 **Date Collected: 2/21/2011 7:23:21 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102044705SD WG356895-05

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102044705SD WG356895-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5076767.2						30048.03	0.59%
YRADIAL	311595.8						3615.74	1.16%
Ga 417.206	1238441.6						15067.39	1.22%
GaRADIAL	60513.5						1690.11	2.79%
Ag 328.068†	39379.6	0.197	mg/L	0.0014	0.197	mg/L	0.0014	0.69%
Al 396.153†	26125.1	5.09	mg/L	0.020	5.09	mg/L	0.020	0.40%
As 188.979†	202.9	0.189	mg/L	0.0016	0.189	mg/L	0.0016	0.82%
Ba 233.527†	28833.0	0.505	mg/L	0.0066	0.505	mg/L	0.0066	1.30%

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Be 234.861†	13847.3	0.0247 mg/L	0.00017	0.0247 mg/L	0.00017	0.70%
B 249.677†	52560.0	0.996 mg/L	0.0090	0.996 mg/L	0.0090	0.90%
Ca 227.546†	495.9	4.94 mg/L	0.052	4.94 mg/L	0.052	1.06%
Cd 228.802†	423.5	0.0244 mg/L	0.00045	0.0244 mg/L	0.00045	1.84%
Co 228.616†	1886.8	0.0995 mg/L	0.00018	0.0995 mg/L	0.00018	0.18%
Cr 267.716†	27963.0	0.250 mg/L	0.0029	0.250 mg/L	0.0029	1.15%
Cu 327.393†	35502.9	0.249 mg/L	0.0014	0.249 mg/L	0.0014	0.57%
Fe 239.562†	901.3	1.98 mg/L	0.045	1.98 mg/L	0.045	2.27%
Mg 279.077†	4127.2	4.99 mg/L	0.099	4.99 mg/L	0.099	1.98%
Mn 257.610†	111174.5	0.257 mg/L	0.0033	0.257 mg/L	0.0033	1.27%
Mo 202.031†	6570.3	0.501 mg/L	0.0073	0.501 mg/L	0.0073	1.45%
Ni 231.604†	8347.2	0.250 mg/L	0.0040	0.250 mg/L	0.0040	1.61%
Pb 220.353†	1448.9	0.262 mg/L	0.0022	0.262 mg/L	0.0022	0.84%
Sb 206.836†	921.3	0.590 mg/L	0.0063	0.590 mg/L	0.0063	1.07%
Se 196.026†	268.3	0.194 mg/L	0.0025	0.194 mg/L	0.0025	1.31%
Si 251.611†	85587.0	2.53 mg/L	0.024	2.53 mg/L	0.024	0.94%
Sn 189.927†	2983.3	0.532 mg/L	0.0034	0.532 mg/L	0.0034	0.64%
Ti 334.940†	362121.7	0.503 mg/L	0.0025	0.503 mg/L	0.0025	0.50%
Tl 190.801†	419.1	0.261 mg/L	0.0038	0.261 mg/L	0.0038	1.44%
V 290.880†	73071.9	0.498 mg/L	0.0064	0.498 mg/L	0.0064	1.28%
Zn 206.200†	15802.3	0.499 mg/L	0.0104	0.499 mg/L	0.0104	2.08%
K 766.490†	66171.7	24.8 mg/L	0.06	24.8 mg/L	0.06	0.23%
Na 589.592†	342723.1	24.9 mg/L	0.27	24.9 mg/L	0.27	1.06%
Sr 407.771†	546082.6	0.507 mg/L	0.0421	0.507 mg/L	0.0421	8.31%
Li 670.784†	41927.8	0.503 mg/L	0.0018	0.503 mg/L	0.0018	0.35%

Sequence No.: 40 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 7:30:04 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4922574.5						50622.03	1.03%
YRADIAL	302484.3						6393.95	2.11%
Ga 417.206	1182649.2						14433.12	1.22%
GaRADIAL	59271.1						357.42	0.60%
Ag 328.068†	80871.9	0.404	mg/L	0.0060	0.404	mg/L	0.0060	1.49%
QC value within limits for Ag 328.068 Recovery = 101.10%								
Al 396.153†	51873.5	10.1	mg/L	0.06	10.1	mg/L	0.06	0.62%
QC value within limits for Al 396.153 Recovery = 100.94%								
As 188.979†	420.9	0.392	mg/L	0.0080	0.392	mg/L	0.0080	2.03%
QC value within limits for As 188.979 Recovery = 98.10%								
Ba 233.527†	58575.0	1.03	mg/L	0.007	1.03	mg/L	0.007	0.69%
QC value within limits for Ba 233.527 Recovery = 102.70%								
Be 234.861†	28828.4	0.0515	mg/L	0.00050	0.0515	mg/L	0.00050	0.98%
QC value within limits for Be 234.861 Recovery = 103.01%								
B 249.677†	27885.0	0.534	mg/L	0.0092	0.534	mg/L	0.0092	1.72%
QC value within limits for B 249.677 Recovery = 106.74%								
Ca 227.546†	1036.5	10.3	mg/L	0.12	10.3	mg/L	0.12	1.13%
QC value within limits for Ca 227.546 Recovery = 102.71%								
Cd 228.802†	869.0	0.0501	mg/L	0.00057	0.0501	mg/L	0.00057	1.14%
QC value within limits for Cd 228.802 Recovery = 100.28%								
Co 228.616†	3791.7	0.200	mg/L	0.0018	0.200	mg/L	0.0018	0.92%
QC value within limits for Co 228.616 Recovery = 100.02%								
Cr 267.716†	56981.8	0.509	mg/L	0.0038	0.509	mg/L	0.0038	0.75%
QC value within limits for Cr 267.716 Recovery = 101.82%								
Cu 327.393†	73354.9	0.513	mg/L	0.0078	0.513	mg/L	0.0078	1.52%
QC value within limits for Cu 327.393 Recovery = 102.67%								
Fe 239.562†	1792.3	3.94	mg/L	0.049	3.94	mg/L	0.049	1.25%
QC value within limits for Fe 239.562 Recovery = 98.41%								
Mg 279.077†	8102.9	9.77	mg/L	0.151	9.77	mg/L	0.151	1.55%
QC value within limits for Mg 279.077 Recovery = 97.74%								
Mn 257.610†	223645.2	0.516	mg/L	0.0036	0.516	mg/L	0.0036	0.71%

Approved: February 22, 2011

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QC value within limits for Mn 257.610 Recovery = 103.21%
Mo 202.031† 13354.6 1.02 mg/L 0.007 1.02 mg/L 0.007 0.67%
QC value within limits for Mo 202.031 Recovery = 101.74%
Ni 231.604† 17082.2 0.511 mg/L 0.0061 0.511 mg/L 0.0061 1.20%
QC value within limits for Ni 231.604 Recovery = 102.22%
Pb 220.353† 2879.6 0.524 mg/L 0.0053 0.524 mg/L 0.0053 1.01%
QC value within limits for Pb 220.353 Recovery = 104.75%
Sb 206.836† 1869.3 1.20 mg/L 0.016 1.20 mg/L 0.016 1.34%
QC value within limits for Sb 206.836 Recovery = 99.72%
Se 196.026† 561.5 0.405 mg/L 0.0042 0.405 mg/L 0.0042 1.03%
QC value within limits for Se 196.026 Recovery = 101.14%
Si 251.611† 171517.4 5.08 mg/L 0.076 5.08 mg/L 0.076 1.50%
QC value within limits for Si 251.611 Recovery = 101.59%
Sn 189.927† 5753.9 1.03 mg/L 0.009 1.03 mg/L 0.009 0.86%
QC value within limits for Sn 189.927 Recovery = 102.79%
Ti 334.940† 716920.0 0.997 mg/L 0.0007 0.997 mg/L 0.0007 0.07%
QC value within limits for Ti 334.940 Recovery = 99.67%
Tl 190.801† 827.0 0.513 mg/L 0.0058 0.513 mg/L 0.0058 1.14%
QC value within limits for Tl 190.801 Recovery = 102.66%
V 290.880† 149532.4 1.02 mg/L 0.009 1.02 mg/L 0.009 0.86%
QC value within limits for V 290.880 Recovery = 101.90%
Zn 206.200† 32574.4 1.03 mg/L 0.009 1.03 mg/L 0.009 0.90%
QC value within limits for Zn 206.200 Recovery = 102.90%
K 766.490† 133036.8 49.8 mg/L 0.59 49.8 mg/L 0.59 1.19%
QC value within limits for K 766.490 Recovery = 99.57%
Na 589.592† 677294.2 49.3 mg/L 0.40 49.3 mg/L 0.40 0.80%
QC value within limits for Na 589.592 Recovery = 98.65%
Sr 407.771† 1088892.5 1.01 mg/L 0.077 1.01 mg/L 0.077 7.59%
QC value within limits for Sr 407.771 Recovery = 101.08%
Li 670.784† 83228.7 0.999 mg/L 0.0026 0.999 mg/L 0.0026 0.26%
QC value within limits for Li 670.784 Recovery = 99.85%
All analyte(s) passed QC.

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Sequence No.: 41 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 7:36:41 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5181637.6						40945.98	0.79%
YRADIAL	311891.1						6456.37	2.07%
Ga 417.206	1243645.7						1822.19	0.15%
GaRADIAL	60634.7						1126.48	1.86%
Ag 328.068†	-28.9	-0.00079	mg/L	0.000244	-0.00079	mg/L	0.000244	30.84%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-51.8	-0.00597	mg/L	0.002402	-0.00597	mg/L	0.002402	40.24%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.2	0.00078	mg/L	0.002456	0.00078	mg/L	0.002456	313.59%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	2.0	-0.00028	mg/L	0.000076	-0.00028	mg/L	0.000076	26.96%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	8.1	0.00002	mg/L	0.000025	0.00002	mg/L	0.000025	149.87%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	1015.7	0.0205	mg/L	0.00068	0.0205	mg/L	0.00068	3.31%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-0.3	0.0380	mg/L	0.07872	0.0380	mg/L	0.07872	207.34%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	1.1	-0.00006	mg/L	0.000208	-0.00006	mg/L	0.000208	331.49%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.1	0.00008	mg/L	0.000232	0.00008	mg/L	0.000232	300.21%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	3.2	-0.00014	mg/L	0.000128	-0.00014	mg/L	0.000128	93.26%
QC value within limits for Cr 267.716 Recovery = Not calculated								

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Cu 327.393†            -100.1    -0.00050 mg/L      0.000552    -0.00050 mg/L      0.000552 110.22%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 239.562†              -2.5    -0.00275 mg/L      0.002383    -0.00275 mg/L      0.002383  86.62%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Mg 279.077†             -15.5    -0.00179 mg/L      0.004787    -0.00179 mg/L      0.004787 267.40%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†              13.7    -0.00014 mg/L      0.000009    -0.00014 mg/L      0.000009   6.06%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†              -6.4    -0.00053 mg/L      0.000270    -0.00053 mg/L      0.000270  50.88%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Ni 231.604†               3.1     0.00024 mg/L      0.000026     0.00024 mg/L      0.000026  10.78%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†              11.6     0.00007 mg/L      0.000390     0.00007 mg/L      0.000390 534.71%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†              -1.1     0.00058 mg/L      0.001632     0.00058 mg/L      0.001632 281.95%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               1.3     0.00202 mg/L      0.002846     0.00202 mg/L      0.002846 140.70%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†              43.6    -0.00199 mg/L      0.000357    -0.00199 mg/L      0.000357  17.92%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†               8.5     0.00042 mg/L      0.000557     0.00042 mg/L      0.000557 133.18%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 334.940†             -59.3    -0.00007 mg/L      0.000096    -0.00007 mg/L      0.000096 142.01%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†              -1.1     0.00125 mg/L      0.002513     0.00125 mg/L      0.002513 200.46%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†             -143.8    -0.00060 mg/L      0.001131    -0.00060 mg/L      0.001131 187.58%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†               2.7     0.00008 mg/L      0.000152     0.00008 mg/L      0.000152 198.73%
   QC value within limits for Zn 206.200  Recovery = Not calculated
K 766.490†               73.2     0.00630 mg/L      0.058450     0.00630 mg/L      0.058450 927.27%
   QC value within limits for K 766.490  Recovery = Not calculated
Na 589.592†             316.8     0.00734 mg/L      0.005317     0.00734 mg/L      0.005317  72.47%
   QC value within limits for Na 589.592  Recovery = Not calculated
Sr 407.771†              30.8     0.00023 mg/L      0.000059     0.00023 mg/L      0.000059  25.68%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Li 670.784†             -14.8     0.00042 mg/L      0.001410     0.00042 mg/L      0.001410 334.78%
   QC value within limits for Li 670.784  Recovery = Not calculated
All analyte(s) passed QC.
```

Sequence No.: 42 **Autosampler Location: 81**
Sample ID: PBW 92 WG356762-02 **Date Collected: 2/21/2011 7:44:04 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW 92 WG356762-02

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: PBW 92 WG356762-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5228373.9						64855.23	1.24%
YRADIAL	310723.0						8255.90	2.66%
Ga 417.206	1273641.4						10498.05	0.82%
GaRADIAL	60410.7						965.31	1.60%
Ag 328.068†	91.2	-0.00019	mg/L	0.000161	-0.00019	mg/L	0.000161	83.55%
Al 396.153†	-43.5	-0.00436	mg/L	0.010225	-0.00436	mg/L	0.010225	234.61%
As 188.979†	-0.6	-0.00096	mg/L	0.001163	-0.00096	mg/L	0.001163	120.85%
Ba 233.527†	5.7	-0.00021	mg/L	0.000042	-0.00021	mg/L	0.000042	19.38%
Be 234.861†	24.2	0.00004	mg/L	0.000019	0.00004	mg/L	0.000019	42.90%
B 249.677†	849.9	0.0174	mg/L	0.00108	0.0174	mg/L	0.00108	6.21%
Ca 227.546†	-3.9	0.00388	mg/L	0.041190	0.00388	mg/L	0.041190	>999.9%
Cd 228.802†	2.0	0.00000	mg/L	0.000110	0.00000	mg/L	0.000110	>999.9%
Co 228.616†	0.1	-0.00003	mg/L	0.000485	-0.00003	mg/L	0.000485	>999.9%
Cr 267.716†	-2.5	-0.00019	mg/L	0.000074	-0.00019	mg/L	0.000074	39.42%
Cu 327.393†	24.4	0.00037	mg/L	0.000757	0.00037	mg/L	0.000757	204.67%
Fe 239.562†	-0.3	0.00220	mg/L	0.004241	0.00220	mg/L	0.004241	192.51%
Mg 279.077†	-16.2	-0.00272	mg/L	0.009194	-0.00272	mg/L	0.009194	338.07%

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Mn 257.610†	-6.9	-0.00019 mg/L	0.000027	-0.00019 mg/L	0.000027	14.19%
Mo 202.031†	0.2	-0.00002 mg/L	0.000678	-0.00002 mg/L	0.000678	>999.9%
Ni 231.604†	6.9	0.00036 mg/L	0.000210	0.00036 mg/L	0.000210	59.14%
Pb 220.353†	1.2	-0.00181 mg/L	0.000548	-0.00181 mg/L	0.000548	30.21%
Sb 206.836†	-0.3	0.00104 mg/L	0.000538	0.00104 mg/L	0.000538	51.56%
Se 196.026†	-4.5	-0.00212 mg/L	0.002167	-0.00212 mg/L	0.002167	102.43%
Si 251.611†	180.0	0.00205 mg/L	0.000645	0.00205 mg/L	0.000645	31.42%
Sn 189.927†	9.5	0.00060 mg/L	0.000566	0.00060 mg/L	0.000566	94.22%
Ti 334.940†	21.2	0.00004 mg/L	0.000070	0.00004 mg/L	0.000070	158.37%
Tl 190.801†	0.7	0.00234 mg/L	0.001542	0.00234 mg/L	0.001542	65.94%
V 290.880†	-44.6	0.00007 mg/L	0.001528	0.00007 mg/L	0.001528	>999.9%
Zn 206.200†	52.9	0.00166 mg/L	0.000120	0.00166 mg/L	0.000120	7.23%
K 766.490†	58.8	0.00091 mg/L	0.028246	0.00091 mg/L	0.028246	>999.9%
Na 589.592†	209.4	-0.00045 mg/L	0.005010	-0.00045 mg/L	0.005010	>999.9%
Sr 407.771†	73.3	0.00027 mg/L	0.000023	0.00027 mg/L	0.000023	8.57%
Li 670.784†	9.2	0.00071 mg/L	0.001522	0.00071 mg/L	0.001522	214.83%

Sequence No.: 43 **Autosampler Location: 82**
Sample ID: LCSW 92 WG356762-03 **Date Collected: 2/21/2011 7:50:42 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 92 WG356762-03

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: LCSW 92 WG356762-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4987995.7						46195.94	0.93%
YRADIAL	305005.9						12000.64	3.93%
Ga 417.206	1235409.1						15710.16	1.27%
GaRADIAL	59333.7						2504.59	4.22%
Ag 328.068†	39889.5	0.199	mg/L	0.0029	0.199	mg/L	0.0029	1.43%
Al 396.153†	26868.8	5.23	mg/L	0.024	5.23	mg/L	0.024	0.46%
As 188.979†	207.5	0.193	mg/L	0.0011	0.193	mg/L	0.0011	0.58%
Ba 233.527†	29723.7	0.521	mg/L	0.0071	0.521	mg/L	0.0071	1.37%
Be 234.861†	14077.9	0.0252	mg/L	0.00080	0.0252	mg/L	0.00080	3.17%
B 249.677†	53358.5	1.01	mg/L	0.015	1.01	mg/L	0.015	1.48%
Ca 227.546†	516.7	5.15	mg/L	0.095	5.15	mg/L	0.095	1.86%
Cd 228.802†	429.1	0.0247	mg/L	0.00039	0.0247	mg/L	0.00039	1.59%
Co 228.616†	1945.8	0.103	mg/L	0.0010	0.103	mg/L	0.0010	0.98%
Cr 267.716†	28870.8	0.258	mg/L	0.0041	0.258	mg/L	0.0041	1.59%
Cu 327.393†	35887.1	0.251	mg/L	0.0043	0.251	mg/L	0.0043	1.72%
Fe 239.562†	919.1	2.02	mg/L	0.090	2.02	mg/L	0.090	4.47%
Mg 279.077†	4217.9	5.10	mg/L	0.200	5.10	mg/L	0.200	3.93%
Mn 257.610†	114694.5	0.265	mg/L	0.0039	0.265	mg/L	0.0039	1.49%
Mo 202.031†	6760.8	0.515	mg/L	0.0107	0.515	mg/L	0.0107	2.08%
Ni 231.604†	8724.9	0.261	mg/L	0.0027	0.261	mg/L	0.0027	1.05%
Pb 220.353†	1489.4	0.270	mg/L	0.0038	0.270	mg/L	0.0038	1.41%
Sb 206.836†	935.6	0.600	mg/L	0.0061	0.600	mg/L	0.0061	1.02%
Se 196.026†	268.0	0.194	mg/L	0.0011	0.194	mg/L	0.0011	0.55%
Si 251.611†	87129.0	2.58	mg/L	0.040	2.58	mg/L	0.040	1.55%
Sn 189.927†	3064.0	0.547	mg/L	0.0039	0.547	mg/L	0.0039	0.71%
Ti 334.940†	367014.2	0.510	mg/L	0.0015	0.510	mg/L	0.0015	0.30%
Tl 190.801†	428.4	0.267	mg/L	0.0032	0.267	mg/L	0.0032	1.21%
V 290.880†	75254.0	0.513	mg/L	0.0073	0.513	mg/L	0.0073	1.43%
Zn 206.200†	16391.2	0.518	mg/L	0.0108	0.518	mg/L	0.0108	2.09%
K 766.490†	67862.5	25.4	mg/L	0.12	25.4	mg/L	0.12	0.49%
Na 589.592†	350245.1	25.5	mg/L	0.18	25.5	mg/L	0.18	0.71%
Sr 407.771†	565156.7	0.525	mg/L	0.0376	0.525	mg/L	0.0376	7.16%
Li 670.784†	43089.7	0.517	mg/L	0.0067	0.517	mg/L	0.0067	1.29%

Sequence No.: 44 **Autosampler Location: 83**
Sample ID: L1102039701 WG356762-01 **Date Collected: 2/21/2011 7:57:24 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Approved: February 22, 2011

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Nebulizer Parameters: L1102039701 WG356762-01

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102039701 WG356762-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5028129.3						12769.60	0.25%
YRADIAL	304126.6						12266.48	4.03%
Ga 417.206	1259993.4						3972.60	0.32%
GaRADIAL	60078.6						1393.65	2.32%
Ag 328.068†	63.0	-0.00034	mg/L	0.000937	-0.00034	mg/L	0.000937	272.09%
Al 396.153†	-24.7	-0.00070	mg/L	0.004367	-0.00070	mg/L	0.004367	620.43%
As 188.979†	2.0	0.00134	mg/L	0.003347	0.00134	mg/L	0.003347	249.37%
Ba 233.527†	685.4	0.0117	mg/L	0.00011	0.0117	mg/L	0.00011	0.97%
Be 234.861†	12.9	0.00002	mg/L	0.000032	0.00002	mg/L	0.000032	128.44%
B 249.677†	1178.5	0.0236	mg/L	0.00144	0.0236	mg/L	0.00144	6.10%
Ca 227.546†	727.9	6.98	mg/L	0.020	6.98	mg/L	0.020	0.28%
Cd 228.802†	2.4	0.00000	mg/L	0.000135	0.00000	mg/L	0.000135	>999.9%
Co 228.616†	-4.9	-0.00030	mg/L	0.000207	-0.00030	mg/L	0.000207	69.16%
Cr 267.716†	104.5	0.00077	mg/L	0.000161	0.00077	mg/L	0.000161	20.93%
Cu 327.393†	-9.3	0.00014	mg/L	0.001092	0.00014	mg/L	0.001092	799.10%
Fe 239.562†	2.5	0.00819	mg/L	0.005120	0.00819	mg/L	0.005120	62.54%
Mg 279.077†	851.6	1.04	mg/L	0.041	1.04	mg/L	0.041	3.97%
Mn 257.610†	292.8	0.00106	mg/L	0.000007	0.00106	mg/L	0.000007	0.70%
Mo 202.031†	9.9	0.00072	mg/L	0.000350	0.00072	mg/L	0.000350	48.77%
Ni 231.604†	-4.5	0.00001	mg/L	0.000472	0.00001	mg/L	0.000472	>999.9%
Pb 220.353†	6.2	-0.00057	mg/L	0.000416	-0.00057	mg/L	0.000416	73.65%
Sb 206.836†	2.1	0.00261	mg/L	0.001014	0.00261	mg/L	0.001014	38.89%
Se 196.026†	-3.7	0.00021	mg/L	0.002276	0.00021	mg/L	0.002276	>999.9%
Si 251.611†	88868.8	2.64	mg/L	0.013	2.64	mg/L	0.013	0.49%
Sn 189.927†	7.9	0.00031	mg/L	0.000789	0.00031	mg/L	0.000789	252.45%
Ti 334.940†	-25.2	0.00005	mg/L	0.000198	0.00005	mg/L	0.000198	401.85%
Tl 190.801†	19.0	0.0128	mg/L	0.00157	0.0128	mg/L	0.00157	12.28%
V 290.880†	270.6	0.00222	mg/L	0.000216	0.00222	mg/L	0.000216	9.71%
Zn 206.200†	105.1	0.00331	mg/L	0.000162	0.00331	mg/L	0.000162	4.91%
K 766.490†	1307.9	0.466	mg/L	0.0320	0.466	mg/L	0.0320	6.88%
Na 589.592†	56698.6	4.10	mg/L	0.040	4.10	mg/L	0.040	0.98%
Sr 407.771†	77242.2	0.0719	mg/L	0.00462	0.0719	mg/L	0.00462	6.42%
Li 670.784†	151.7	0.00242	mg/L	0.001238	0.00242	mg/L	0.001238	51.20%

Sequence No.: 45 **Autosampler Location: 84**
Sample ID: L1102039701PS WG356823-03 **Date Collected: 2/21/2011 8:04:05 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039701PS WG356823-03

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102039701PS WG356823-03

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4969499.4						45034.18	0.91%
YRADIAL	305317.8						3640.37	1.19%
Ga 417.206	1216228.4						12913.49	1.06%
GaRADIAL	60010.4						1023.99	1.71%
Ag 328.068†	39967.1	0.199	mg/L	0.0078	0.199	mg/L	0.0078	3.93%
Al 396.153†	28181.9	5.49	mg/L	0.015	5.49	mg/L	0.015	0.27%
As 188.979†	208.9	0.194	mg/L	0.0080	0.194	mg/L	0.0080	4.10%
Ba 233.527†	30131.3	0.528	mg/L	0.0264	0.528	mg/L	0.0264	5.00%
Be 234.861†	14191.8	0.0253	mg/L	0.00125	0.0253	mg/L	0.00125	4.96%
B 249.677†	54459.0	1.03	mg/L	0.038	1.03	mg/L	0.038	3.70%
Ca 227.546†	1242.4	12.1	mg/L	0.57	12.1	mg/L	0.57	4.70%
Cd 228.802†	429.9	0.0247	mg/L	0.00051	0.0247	mg/L	0.00051	2.06%
Co 228.616†	1892.4	0.0998	mg/L	0.00387	0.0998	mg/L	0.00387	3.88%

Approved: February 22, 2011

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Cr 267.716†	28583.5	0.255	mg/L	0.0134	0.255	mg/L	0.0134 5.25%
Cu 327.393†	35752.8	0.250	mg/L	0.0121	0.250	mg/L	0.0121 4.82%
Fe 239.562†	1000.8	2.20	mg/L	0.039	2.20	mg/L	0.039 1.79%
Mg 279.077†	5463.3	6.59	mg/L	0.087	6.59	mg/L	0.087 1.31%
Mn 257.610†	113114.4	0.262	mg/L	0.0129	0.262	mg/L	0.0129 4.92%
Mo 202.031†	6675.6	0.509	mg/L	0.0201	0.509	mg/L	0.0201 3.96%
Ni 231.604†	8477.8	0.254	mg/L	0.0101	0.254	mg/L	0.0101 3.98%
Pb 220.353†	1468.6	0.266	mg/L	0.0089	0.266	mg/L	0.0089 3.35%
Sb 206.836†	927.7	0.595	mg/L	0.0208	0.595	mg/L	0.0208 3.49%
Se 196.026†	277.3	0.202	mg/L	0.0077	0.202	mg/L	0.0077 3.81%
Si 251.611†	176966.3	5.25	mg/L	0.236	5.25	mg/L	0.236 4.49%
Sn 189.927†	-0.4	-0.00118	mg/L	0.000466	-0.00118	mg/L	0.000466 39.49%
Ti 334.940†	368290.3	0.512	mg/L	0.0335	0.512	mg/L	0.0335 6.54%
Tl 190.801†	431.5	0.268	mg/L	0.0102	0.268	mg/L	0.0102 3.79%
V 290.880†	74952.1	0.511	mg/L	0.0249	0.511	mg/L	0.0249 4.87%
Zn 206.200†	16407.2	0.518	mg/L	0.0288	0.518	mg/L	0.0288 5.56%
K 766.490†	73113.4	27.4	mg/L	0.14	27.4	mg/L	0.14 0.52%
Na 589.592†	425233.2	30.9	mg/L	0.59	30.9	mg/L	0.59 1.91%
Sr 407.771†	676984.6	0.629	mg/L	0.0337	0.629	mg/L	0.0337 5.35%
Li 670.784†	45281.1	0.544	mg/L	0.0027	0.544	mg/L	0.0027 0.49%

Sequence No.: 46 **Autosampler Location: 85**
Sample ID: L1102039701DL WG356823-04 **Date Collected: 2/21/2011 8:10:48 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039701DL WG356823-04

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102039701DL WG356823-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5161477.7						25746.14	0.50%
YRADIAL	306965.8						2222.25	0.72%
Ga 417.206	1242561.2						27032.98	2.18%
GaRADIAL	60102.4						1050.31	1.75%
Ag 328.068†	79.6	-0.00025	mg/L	0.000814	-0.00025	mg/L	0.000814	320.46%
Al 396.153†	-64.4	-0.00843	mg/L	0.004499	-0.00843	mg/L	0.004499	53.37%
As 188.979†	-0.1	-0.00050	mg/L	0.003872	-0.00050	mg/L	0.003872	768.91%
Ba 233.527†	138.5	0.00211	mg/L	0.000076	0.00211	mg/L	0.000076	3.59%
Be 234.861†	7.6	0.00002	mg/L	0.000039	0.00002	mg/L	0.000039	244.57%
B 249.677†	1101.1	0.0221	mg/L	0.00068	0.0221	mg/L	0.00068	3.09%
Ca 227.546†	140.0	1.38	mg/L	0.098	1.38	mg/L	0.098	7.10%
Cd 228.802†	2.1	0.00000	mg/L	0.000108	0.00000	mg/L	0.000108	>999.9%
Co 228.616†	-0.8	-0.00008	mg/L	0.000353	-0.00008	mg/L	0.000353	457.30%
Cr 267.716†	28.4	0.00009	mg/L	0.000021	0.00009	mg/L	0.000021	23.80%
Cu 327.393†	-68.5	-0.00028	mg/L	0.001092	-0.00028	mg/L	0.001092	392.90%
Fe 239.562†	-1.4	-0.00022	mg/L	0.005569	-0.00022	mg/L	0.005569	>999.9%
Mg 279.077†	162.1	0.212	mg/L	0.0035	0.212	mg/L	0.0035	1.67%
Mn 257.610†	72.8	0.00010	mg/L	0.000021	0.00010	mg/L	0.000021	20.53%
Mo 202.031†	0.2	-0.00003	mg/L	0.000234	-0.00003	mg/L	0.000234	916.20%
Ni 231.604†	-3.6	0.00004	mg/L	0.000337	0.00004	mg/L	0.000337	774.20%
Pb 220.353†	2.8	-0.00145	mg/L	0.000636	-0.00145	mg/L	0.000636	43.88%
Sb 206.836†	-0.4	0.00101	mg/L	0.000746	0.00101	mg/L	0.000746	73.47%
Se 196.026†	-3.9	-0.00129	mg/L	0.002134	-0.00129	mg/L	0.002134	164.92%
Si 251.611†	17933.1	0.530	mg/L	0.0218	0.530	mg/L	0.0218	4.11%
Sn 189.927†	10.1	0.00070	mg/L	0.000203	0.00070	mg/L	0.000203	29.05%
Ti 334.940†	-0.7	0.00003	mg/L	0.000101	0.00003	mg/L	0.000101	369.15%
Tl 190.801†	-3.0	-0.00001	mg/L	0.000495	-0.00001	mg/L	0.000495	>999.9%
V 290.880†	-119.3	-0.00044	mg/L	0.000364	-0.00044	mg/L	0.000364	83.61%
Zn 206.200†	53.9	0.00169	mg/L	0.000143	0.00169	mg/L	0.000143	8.49%
K 766.490†	351.4	0.110	mg/L	0.0352	0.110	mg/L	0.0352	31.99%
Na 589.592†	11887.9	0.847	mg/L	0.0057	0.847	mg/L	0.0057	0.67%
Sr 407.771†	15259.1	0.0144	mg/L	0.00122	0.0144	mg/L	0.00122	8.50%
Li 670.784†	-74.8	-0.00030	mg/L	0.001120	-0.00030	mg/L	0.001120	374.56%

Sequence No.: 47 **Autosampler Location: 86**

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Sample ID: L1102039702S WG356762-04 **Date Collected: 2/21/2011 8:17:27 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039702S WG356762-04

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102039702S WG356762-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5030301.4						67281.30	1.34%
YRADIAL	302498.8						6073.94	2.01%
Ga 417.206	1261738.6						19478.95	1.54%
GaRADIAL	60348.4						877.25	1.45%
Ag 328.068†	7950.6	0.0392	mg/L	0.00104	0.0392	mg/L	0.00104	2.67%
Al 396.153†	5430.3	1.06	mg/L	0.006	1.06	mg/L	0.006	0.57%
As 188.979†	41.6	0.0383	mg/L	0.00234	0.0383	mg/L	0.00234	6.11%
Ba 233.527†	6739.1	0.118	mg/L	0.0025	0.118	mg/L	0.0025	2.14%
Be 234.861†	2796.6	0.00500	mg/L	0.000026	0.00500	mg/L	0.000026	0.51%
B 249.677†	11559.5	0.220	mg/L	0.0049	0.220	mg/L	0.0049	2.23%
Ca 227.546†	826.2	7.95	mg/L	0.086	7.95	mg/L	0.086	1.09%
Cd 228.802†	85.5	0.00483	mg/L	0.000264	0.00483	mg/L	0.000264	5.48%
Co 228.616†	387.6	0.0204	mg/L	0.00026	0.0204	mg/L	0.00026	1.30%
Cr 267.716†	5838.7	0.0520	mg/L	0.00072	0.0520	mg/L	0.00072	1.39%
Cu 327.393†	6999.5	0.0492	mg/L	0.00121	0.0492	mg/L	0.00121	2.46%
Fe 239.562†	188.9	0.417	mg/L	0.0056	0.417	mg/L	0.0056	1.34%
Mg 279.077†	1686.2	2.05	mg/L	0.032	2.05	mg/L	0.032	1.55%
Mn 257.610†	23294.1	0.0542	mg/L	0.00100	0.0542	mg/L	0.00100	1.85%
Mo 202.031†	1375.9	0.105	mg/L	0.0019	0.105	mg/L	0.0019	1.83%
Ni 231.604†	1747.5	0.0524	mg/L	0.00057	0.0524	mg/L	0.00057	1.08%
Pb 220.353†	307.2	0.0544	mg/L	0.00078	0.0544	mg/L	0.00078	1.44%
Sb 206.836†	190.0	0.123	mg/L	0.0027	0.123	mg/L	0.0027	2.17%
Se 196.026†	53.6	0.0414	mg/L	0.00170	0.0414	mg/L	0.00170	4.12%
Si 251.611†	105834.1	3.14	mg/L	0.071	3.14	mg/L	0.071	2.27%
Sn 189.927†	636.7	0.113	mg/L	0.0016	0.113	mg/L	0.0016	1.41%
Ti 334.940†	74033.1	0.103	mg/L	0.0022	0.103	mg/L	0.0022	2.14%
Tl 190.801†	101.5	0.0639	mg/L	0.00243	0.0639	mg/L	0.00243	3.81%
V 290.880†	15218.5	0.104	mg/L	0.0029	0.104	mg/L	0.0029	2.82%
Zn 206.200†	3373.6	0.107	mg/L	0.0014	0.107	mg/L	0.0014	1.27%
K 766.490†	14705.0	5.49	mg/L	0.022	5.49	mg/L	0.022	0.41%
Na 589.592†	125276.2	9.08	mg/L	0.071	9.08	mg/L	0.071	0.78%
Sr 407.771†	191743.0	0.178	mg/L	0.0108	0.178	mg/L	0.0108	6.05%
Li 670.784†	8578.7	0.103	mg/L	0.0016	0.103	mg/L	0.0016	1.55%

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Sequence No.: 48 **Autosampler Location: 87**
Sample ID: L1102039703SD WG356762-05 **Date Collected: 2/21/2011 8:24:10 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102039703SD WG356762-05

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102039703SD WG356762-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5071044.2						21188.20	0.42%
YRADIAL	307287.8						6091.87	1.98%
Ga 417.206	1264068.0						15201.59	1.20%
GaRADIAL	60784.6						766.09	1.26%
Ag 328.068†	8028.4	0.0396	mg/L	0.00044	0.0396	mg/L	0.00044	1.11%
Al 396.153†	5161.4	1.01	mg/L	0.020	1.01	mg/L	0.020	1.98%
As 188.979†	43.6	0.0402	mg/L	0.00048	0.0402	mg/L	0.00048	1.21%
Ba 233.527†	6608.2	0.116	mg/L	0.0010	0.116	mg/L	0.0010	0.87%
Be 234.861†	2781.8	0.00498	mg/L	0.000101	0.00498	mg/L	0.000101	2.04%

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B 249.677†	11397.1	0.217 mg/L	0.0038	0.217 mg/L	0.0038	1.77%
Ca 227.546†	827.6	7.96 mg/L	0.218	7.96 mg/L	0.218	2.74%
Cd 228.802†	84.2	0.00474 mg/L	0.000117	0.00474 mg/L	0.000117	2.47%
Co 228.616†	380.7	0.0200 mg/L	0.00029	0.0200 mg/L	0.00029	1.47%
Cr 267.716†	5827.0	0.0519 mg/L	0.00066	0.0519 mg/L	0.00066	1.28%
Cu 327.393†	7055.0	0.0496 mg/L	0.00094	0.0496 mg/L	0.00094	1.89%
Fe 239.562†	183.8	0.406 mg/L	0.0062	0.406 mg/L	0.0062	1.52%
Mg 279.077†	1683.0	2.04 mg/L	0.023	2.04 mg/L	0.023	1.11%
Mn 257.610†	22946.2	0.0534 mg/L	0.00047	0.0534 mg/L	0.00047	0.88%
Mo 202.031†	1360.2	0.104 mg/L	0.0011	0.104 mg/L	0.0011	1.03%
Ni 231.604†	1718.4	0.0515 mg/L	0.00033	0.0515 mg/L	0.00033	0.65%
Pb 220.353†	305.1	0.0540 mg/L	0.00152	0.0540 mg/L	0.00152	2.82%
Sb 206.836†	184.4	0.119 mg/L	0.0026	0.119 mg/L	0.0026	2.17%
Se 196.026†	49.1	0.0382 mg/L	0.00140	0.0382 mg/L	0.00140	3.67%
Si 251.611†	106392.9	3.16 mg/L	0.049	3.16 mg/L	0.049	1.56%
Sn 189.927†	618.4	0.109 mg/L	0.0008	0.109 mg/L	0.0008	0.69%
Ti 334.940†	73443.1	0.102 mg/L	0.0014	0.102 mg/L	0.0014	1.39%
Tl 190.801†	97.4	0.0614 mg/L	0.00359	0.0614 mg/L	0.00359	5.84%
V 290.880†	15207.3	0.104 mg/L	0.0011	0.104 mg/L	0.0011	1.04%
Zn 206.200†	3331.8	0.105 mg/L	0.0006	0.105 mg/L	0.0006	0.62%
K 766.490†	14347.4	5.35 mg/L	0.081	5.35 mg/L	0.081	1.52%
Na 589.592†	125821.6	9.12 mg/L	0.101	9.12 mg/L	0.101	1.10%
Sr 407.771†	188928.0	0.176 mg/L	0.0143	0.176 mg/L	0.0143	8.14%
Li 670.784†	8553.3	0.103 mg/L	0.0002	0.103 mg/L	0.0002	0.15%

Sequence No.: 49 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 8:30:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4928791.7						91114.26	1.85%
YRADIAL	304333.6						2084.37	0.68%
Ga 417.206	1186772.9						21785.23	1.84%
GaRADIAL	59084.2						903.40	1.53%
Ag 328.068†	78588.6	0.393	mg/L	0.0087	0.393	mg/L	0.0087	2.21%
QC value within limits for Ag 328.068 Recovery = 98.24%								
Al 396.153†	51639.6	10.0	mg/L	0.04	10.0	mg/L	0.04	0.39%
QC value within limits for Al 396.153 Recovery = 100.48%								
As 188.979†	422.2	0.393	mg/L	0.0071	0.393	mg/L	0.0071	1.81%
QC value within limits for As 188.979 Recovery = 98.37%								
Ba 233.527†	57082.2	1.00	mg/L	0.021	1.00	mg/L	0.021	2.12%
QC value within limits for Ba 233.527 Recovery = 100.08%								
Be 234.861†	27916.3	0.0499	mg/L	0.00126	0.0499	mg/L	0.00126	2.53%
QC value within limits for Be 234.861 Recovery = 99.83%								
B 249.677†	26596.6	0.509	mg/L	0.0112	0.509	mg/L	0.0112	2.21%
QC value within limits for B 249.677 Recovery = 101.87%								
Ca 227.546†	1028.1	10.2	mg/L	0.14	10.2	mg/L	0.14	1.38%
QC value within limits for Ca 227.546 Recovery = 101.81%								
Cd 228.802†	869.5	0.0502	mg/L	0.00112	0.0502	mg/L	0.00112	2.23%
QC value within limits for Cd 228.802 Recovery = 100.31%								
Co 228.616†	3790.0	0.200	mg/L	0.0036	0.200	mg/L	0.0036	1.78%
QC value within limits for Co 228.616 Recovery = 99.98%								
Cr 267.716†	55484.6	0.496	mg/L	0.0118	0.496	mg/L	0.0118	2.37%
QC value within limits for Cr 267.716 Recovery = 99.14%								
Cu 327.393†	70898.1	0.496	mg/L	0.0124	0.496	mg/L	0.0124	2.49%
QC value within limits for Cu 327.393 Recovery = 99.24%								
Fe 239.562†	1776.7	3.90	mg/L	0.071	3.90	mg/L	0.071	1.81%
QC value within limits for Fe 239.562 Recovery = 97.55%								
Mg 279.077†	8064.8	9.73	mg/L	0.148	9.73	mg/L	0.148	1.52%
QC value within limits for Mg 279.077 Recovery = 97.28%								
Mn 257.610†	217364.3	0.502	mg/L	0.0119	0.502	mg/L	0.0119	2.38%
QC value within limits for Mn 257.610 Recovery = 100.32%								

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Mo 202.031†	13449.2	1.02 mg/L	0.017	1.02 mg/L	0.017	1.70%
QC value within limits for Mo 202.031 Recovery = 102.46%						
Ni 231.604†	16653.9	0.498 mg/L	0.0105	0.498 mg/L	0.0105	2.10%
QC value within limits for Ni 231.604 Recovery = 99.65%						
Pb 220.353†	2899.8	0.527 mg/L	0.0088	0.527 mg/L	0.0088	1.66%
QC value within limits for Pb 220.353 Recovery = 105.48%						
Sb 206.836†	1858.9	1.19 mg/L	0.022	1.19 mg/L	0.022	1.86%
QC value within limits for Sb 206.836 Recovery = 99.18%						
Se 196.026†	555.4	0.400 mg/L	0.0077	0.400 mg/L	0.0077	1.92%
QC value within limits for Se 196.026 Recovery = 100.04%						
Si 251.611†	166139.5	4.92 mg/L	0.117	4.92 mg/L	0.117	2.38%
QC value within limits for Si 251.611 Recovery = 98.40%						
Sn 189.927†	5763.9	1.03 mg/L	0.019	1.03 mg/L	0.019	1.87%
QC value within limits for Sn 189.927 Recovery = 102.97%						
Ti 334.940†	717944.1	0.998 mg/L	0.0012	0.998 mg/L	0.0012	0.12%
QC value within limits for Ti 334.940 Recovery = 99.81%						
Tl 190.801†	837.6	0.520 mg/L	0.0102	0.520 mg/L	0.0102	1.96%
QC value within limits for Tl 190.801 Recovery = 103.94%						
V 290.880†	144927.5	0.988 mg/L	0.0233	0.988 mg/L	0.0233	2.36%
QC value within limits for V 290.880 Recovery = 98.76%						
Zn 206.200†	31868.5	1.01 mg/L	0.020	1.01 mg/L	0.020	2.00%
QC value within limits for Zn 206.200 Recovery = 100.67%						
K 766.490†	133481.8	49.9 mg/L	0.39	49.9 mg/L	0.39	0.79%
QC value within limits for K 766.490 Recovery = 99.90%						
Na 589.592†	679649.4	49.5 mg/L	0.45	49.5 mg/L	0.45	0.90%
QC value within limits for Na 589.592 Recovery = 99.00%						
Sr 407.771†	1065765.7	0.989 mg/L	0.0690	0.989 mg/L	0.0690	6.97%
QC value within limits for Sr 407.771 Recovery = 98.93%						
Li 670.784†	83225.8	0.999 mg/L	0.0026	0.999 mg/L	0.0026	0.26%
QC value within limits for Li 670.784 Recovery = 99.85%						

All analyte(s) passed QC.

Sequence No.: 50 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 8:37:30 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5157350.8						57700.98	1.12%
YRADIAL	307000.6						1602.47	0.52%
Ga 417.206	1241555.1						13020.45	1.05%
GaRADIAL	59413.3						812.62	1.37%
Ag 328.068†	-55.1	-0.00092	mg/L	0.001286	-0.00092	mg/L	0.001286	139.28%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-61.8	-0.00793	mg/L	0.010386	-0.00793	mg/L	0.010386	131.00%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.4	-0.00074	mg/L	0.002398	-0.00074	mg/L	0.002398	324.00%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-0.2	-0.00032	mg/L	0.000120	-0.00032	mg/L	0.000120	37.59%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	0.7	0.00000	mg/L	0.000024	0.00000	mg/L	0.000024	668.46%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	687.1	0.0143	mg/L	0.00055	0.0143	mg/L	0.00055	3.87%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-8.0	-0.0351	mg/L	0.05964	-0.0351	mg/L	0.05964	169.98%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	4.6	0.00015	mg/L	0.000178	0.00015	mg/L	0.000178	120.40%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	2.9	0.00012	mg/L	0.000049	0.00012	mg/L	0.000049	40.96%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-6.3	-0.00022	mg/L	0.000110	-0.00022	mg/L	0.000110	49.67%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	-47.2	-0.00013	mg/L	0.000550	-0.00013	mg/L	0.000550	419.12%

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QC value within limits for Cu 327.393 Recovery = Not calculated

Fe 239.562†	-0.3	0.00216 mg/L	0.003705	0.00216 mg/L	0.003705	171.82%
QC value within limits for Fe 239.562 Recovery = Not calculated							
Mg 279.077†	-14.3	-0.00033 mg/L	0.007731	-0.00033 mg/L	0.007731	>999.9%
QC value within limits for Mg 279.077 Recovery = Not calculated							
Mn 257.610†	10.2	-0.00015 mg/L	0.000031	-0.00015 mg/L	0.000031	20.56%
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	2.6	0.00016 mg/L	0.000160	0.00016 mg/L	0.000160	101.48%
QC value within limits for Mo 202.031 Recovery = Not calculated							
Ni 231.604†	-6.3	-0.00004 mg/L	0.000254	-0.00004 mg/L	0.000254	699.69%
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	11.0	-0.00004 mg/L	0.001909	-0.00004 mg/L	0.001909	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 206.836†	2.1	0.00260 mg/L	0.001477	0.00260 mg/L	0.001477	56.87%
QC value within limits for Sb 206.836 Recovery = Not calculated							
Se 196.026†	4.5	0.00432 mg/L	0.001738	0.00432 mg/L	0.001738	40.23%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	22.6	-0.00263 mg/L	0.000763	-0.00263 mg/L	0.000763	29.06%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	12.8	0.00119 mg/L	0.000443	0.00119 mg/L	0.000443	37.28%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Ti 334.940†	-49.5	-0.00005 mg/L	0.000158	-0.00005 mg/L	0.000158	289.75%
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	-2.9	0.00019 mg/L	0.003697	0.00019 mg/L	0.003697	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 290.880†	-72.0	-0.00011 mg/L	0.000359	-0.00011 mg/L	0.000359	317.21%
QC value within limits for V 290.880 Recovery = Not calculated							
Zn 206.200†	1.1	0.00003 mg/L	0.000057	0.00003 mg/L	0.000057	219.71%
QC value within limits for Zn 206.200 Recovery = Not calculated							
K 766.490†	108.5	0.0195 mg/L	0.01844	0.0195 mg/L	0.01844	94.35%
QC value within limits for K 766.490 Recovery = Not calculated							
Na 589.592†	308.8	0.00676 mg/L	0.001963	0.00676 mg/L	0.001963	29.04%
QC value within limits for Na 589.592 Recovery = Not calculated							
Sr 407.771†	53.2	0.00025 mg/L	0.000052	0.00025 mg/L	0.000052	20.79%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Li 670.784†	98.5	0.00178 mg/L	0.000344	0.00178 mg/L	0.000344	19.34%
QC value within limits for Li 670.784 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 51 **Autosampler Location: 88**
Sample ID: PBW 2C WG356765-02 **Date Collected: 2/21/2011 8:44:09 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PBW 2C WG356765-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: PBW 2C WG356765-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5174212.3						58889.94	1.14%
YRADIAL	313590.5						2981.96	0.95%
Ga 417.206	1267828.3						21759.65	1.72%
GaRADIAL	61071.8						786.54	1.29%
Ag 328.068†	154.9	0.00013	mg/L	0.000577	0.00013	mg/L	0.000577	451.83%
Al 396.153†	-77.2	-0.0109	mg/L	0.00890	-0.0109	mg/L	0.00890	81.58%
As 188.979†	0.5	0.00010	mg/L	0.002571	0.00010	mg/L	0.002571	>999.9%
Ba 233.527†	1.9	-0.00028	mg/L	0.000056	-0.00028	mg/L	0.000056	19.95%
Be 234.861†	4.9	0.00001	mg/L	0.000010	0.00001	mg/L	0.000010	80.34%
B 249.677†	516.0	0.0111	mg/L	0.00001	0.0111	mg/L	0.00001	0.13%
Ca 227.546†	-2.7	0.0156	mg/L	0.01810	0.0156	mg/L	0.01810	115.74%
Cd 228.802†	-1.2	-0.00020	mg/L	0.000077	-0.00020	mg/L	0.000077	38.84%
Co 228.616†	0.0	-0.00003	mg/L	0.000232	-0.00003	mg/L	0.000232	738.70%
Cr 267.716†	-12.8	-0.00028	mg/L	0.000073	-0.00028	mg/L	0.000073	26.18%
Cu 327.393†	65.8	0.00066	mg/L	0.000636	0.00066	mg/L	0.000636	96.67%
Fe 239.562†	-3.0	-0.00376	mg/L	0.000665	-0.00376	mg/L	0.000665	17.69%
Mg 279.077†	-18.1	-0.00500	mg/L	0.001747	-0.00500	mg/L	0.001747	34.94%
Mn 257.610†	5.5	-0.00016	mg/L	0.000022	-0.00016	mg/L	0.000022	13.42%

Approved: February 22, 2011

Pierce Morris

Mo 202.031†	1.1	0.00004 mg/L	0.000298	0.00004 mg/L	0.000298	685.19%
Ni 231.604†	-3.0	0.00006 mg/L	0.000095	0.00006 mg/L	0.000095	154.10%
Pb 220.353†	11.3	0.00002 mg/L	0.001971	0.00002 mg/L	0.001971	>999.9%
Sb 206.836†	-1.0	0.00059 mg/L	0.000843	0.00059 mg/L	0.000843	141.81%
Se 196.026†	-1.0	0.00038 mg/L	0.002102	0.00038 mg/L	0.002102	556.42%
Si 251.611†	117.8	0.00020 mg/L	0.000624	0.00020 mg/L	0.000624	305.93%
Sn 189.927†	9.3	0.00056 mg/L	0.000991	0.00056 mg/L	0.000991	177.72%
Ti 334.940†	-24.1	-0.00002 mg/L	0.000174	-0.00002 mg/L	0.000174	934.63%
Tl 190.801†	-0.4	0.00169 mg/L	0.002242	0.00169 mg/L	0.002242	133.02%
V 290.880†	112.5	0.00114 mg/L	0.000378	0.00114 mg/L	0.000378	33.08%
Zn 206.200†	55.7	0.00175 mg/L	0.000145	0.00175 mg/L	0.000145	8.32%
K 766.490†	63.8	0.00279 mg/L	0.007080	0.00279 mg/L	0.007080	253.45%
Na 589.592†	170.9	-0.00325 mg/L	0.009104	-0.00325 mg/L	0.009104	280.18%
Sr 407.771†	-3.7	0.00020 mg/L	0.000063	0.00020 mg/L	0.000063	31.72%
Li 670.784†	-155.4	-0.00126 mg/L	0.000963	-0.00126 mg/L	0.000963	76.15%

Sequence No.: 52 **Autosampler Location: 89**
Sample ID: LCSW 2C WG356765-03 **Date Collected: 2/21/2011 8:50:50 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: LCSW 2C WG356765-03

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: LCSW 2C WG356765-03

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5036972.8						60952.01	1.21%
YRADIAL	301179.2						2597.67	0.86%
Ga 417.206	1246598.1						26433.85	2.12%
GaRADIAL	58340.4						1083.43	1.86%
Ag 328.068†	39714.6	0.198	mg/L	0.0041	0.198	mg/L	0.0041	2.06%
Al 396.153†	26726.5	5.20	mg/L	0.023	5.20	mg/L	0.023	0.43%
As 188.979†	207.0	0.193	mg/L	0.0058	0.193	mg/L	0.0058	3.01%
Ba 233.527†	29470.1	0.517	mg/L	0.0051	0.517	mg/L	0.0051	0.99%
Be 234.861†	14068.5	0.0251	mg/L	0.00047	0.0251	mg/L	0.00047	1.88%
B 249.677†	52811.0	1.00	mg/L	0.018	1.00	mg/L	0.018	1.78%
Ca 227.546†	506.0	5.04	mg/L	0.103	5.04	mg/L	0.103	2.04%
Cd 228.802†	428.2	0.0247	mg/L	0.00061	0.0247	mg/L	0.00061	2.46%
Co 228.616†	1927.1	0.102	mg/L	0.0013	0.102	mg/L	0.0013	1.24%
Cr 267.716†	28538.1	0.255	mg/L	0.0039	0.255	mg/L	0.0039	1.54%
Cu 327.393†	35845.0	0.251	mg/L	0.0054	0.251	mg/L	0.0054	2.14%
Fe 239.562†	943.9	2.07	mg/L	0.045	2.07	mg/L	0.045	2.19%
Mg 279.077†	4311.8	5.21	mg/L	0.073	5.21	mg/L	0.073	1.41%
Mn 257.610†	113722.5	0.262	mg/L	0.0034	0.262	mg/L	0.0034	1.29%
Mo 202.031†	6672.5	0.508	mg/L	0.0040	0.508	mg/L	0.0040	0.79%
Ni 231.604†	8647.6	0.259	mg/L	0.0022	0.259	mg/L	0.0022	0.85%
Pb 220.353†	1473.5	0.267	mg/L	0.0033	0.267	mg/L	0.0033	1.24%
Sb 206.836†	929.2	0.595	mg/L	0.0134	0.595	mg/L	0.0134	2.25%
Se 196.026†	279.4	0.202	mg/L	0.0026	0.202	mg/L	0.0026	1.27%
Si 251.611†	86726.2	2.57	mg/L	0.043	2.57	mg/L	0.043	1.69%
Sn 189.927†	2803.7	0.500	mg/L	0.0060	0.500	mg/L	0.0060	1.19%
Ti 334.940†	365123.3	0.508	mg/L	0.0014	0.508	mg/L	0.0014	0.27%
Tl 190.801†	426.2	0.265	mg/L	0.0089	0.265	mg/L	0.0089	3.37%
V 290.880†	74655.9	0.509	mg/L	0.0073	0.509	mg/L	0.0073	1.43%
Zn 206.200†	16212.1	0.512	mg/L	0.0081	0.512	mg/L	0.0081	1.59%
K 766.490†	67441.7	25.2	mg/L	0.14	25.2	mg/L	0.14	0.54%
Na 589.592†	349047.9	25.4	mg/L	0.30	25.4	mg/L	0.30	1.18%
Sr 407.771†	550235.2	0.511	mg/L	0.0391	0.511	mg/L	0.0391	7.66%
Li 670.784†	42499.8	0.510	mg/L	0.0026	0.510	mg/L	0.0026	0.51%

Sequence No.: 53 **Autosampler Location: 90**
Sample ID: L1102040202 **Date Collected: 2/21/2011 8:57:29 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Approved: February 22, 2011
Pierre Morris

Nebulizer Parameters: L1102040202

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040202

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5175044.9						50741.21	0.98%
YRADIAL	311849.3						6322.43	2.03%
Ga 417.206	1296141.7						7374.25	0.57%
GaRADIAL	60925.2						301.19	0.49%
Ag 328.068†	94.7	-0.00019	mg/L	0.000387	-0.00019	mg/L	0.000387	206.28%
Al 396.153†	862.0	0.172	mg/L	0.0080	0.172	mg/L	0.0080	4.64%
As 188.979†	0.1	-0.00028	mg/L	0.000812	-0.00028	mg/L	0.000812	287.98%
Ba 233.527†	586.1	0.00993	mg/L	0.000034	0.00993	mg/L	0.000034	0.34%
Be 234.861†	54.5	0.00006	mg/L	0.000005	0.00006	mg/L	0.000005	8.52%
B 249.677†	692.5	0.0151	mg/L	0.00045	0.0151	mg/L	0.00045	2.95%
Ca 227.546†	172.3	1.67	mg/L	0.021	1.67	mg/L	0.021	1.26%
Cd 228.802†	0.8	-0.00007	mg/L	0.000057	-0.00007	mg/L	0.000057	79.36%
Co 228.616†	7.2	0.00034	mg/L	0.000025	0.00034	mg/L	0.000025	7.53%
Cr 267.716†	40.6	0.00019	mg/L	0.000151	0.00019	mg/L	0.000151	80.33%
Cu 327.393†	66.0	0.00068	mg/L	0.000315	0.00068	mg/L	0.000315	46.14%
Fe 239.562†	82.7	0.184	mg/L	0.0011	0.184	mg/L	0.0011	0.60%
Mg 279.077†	669.2	0.822	mg/L	0.0106	0.822	mg/L	0.0106	1.29%
Mn 257.610†	5594.2	0.0135	mg/L	0.00024	0.0135	mg/L	0.00024	1.79%
Mo 202.031†	0.1	-0.00002	mg/L	0.000277	-0.00002	mg/L	0.000277	>999.9%
Ni 231.604†	19.1	0.00072	mg/L	0.000234	0.00072	mg/L	0.000234	32.43%
Pb 220.353†	5.0	-0.00104	mg/L	0.000774	-0.00104	mg/L	0.000774	74.26%
Sb 206.836†	-0.3	0.00106	mg/L	0.001320	0.00106	mg/L	0.001320	124.85%
Se 196.026†	-2.6	-0.00031	mg/L	0.001595	-0.00031	mg/L	0.001595	512.79%
Si 251.611†	146425.6	4.35	mg/L	0.075	4.35	mg/L	0.075	1.72%
Sn 189.927†	7.1	0.00016	mg/L	0.001114	0.00016	mg/L	0.001114	675.29%
Ti 334.940†	2025.3	0.00285	mg/L	0.000887	0.00285	mg/L	0.000887	31.14%
Tl 190.801†	-0.2	0.00172	mg/L	0.002759	0.00172	mg/L	0.002759	160.13%
V 290.880†	-22.1	0.00024	mg/L	0.001565	0.00024	mg/L	0.001565	651.94%
Zn 206.200†	141.2	0.00444	mg/L	0.000027	0.00444	mg/L	0.000027	0.62%
K 766.490†	1115.5	0.396	mg/L	0.0214	0.396	mg/L	0.0214	5.41%
Na 589.592†	23350.9	1.68	mg/L	0.015	1.68	mg/L	0.015	0.88%
Sr 407.771†	13066.2	0.0123	mg/L	0.00094	0.0123	mg/L	0.00094	7.62%
Li 670.784†	-7.4	0.00051	mg/L	0.000129	0.00051	mg/L	0.000129	25.23%

Sequence No.: 54 **Autosampler Location: 91**
Sample ID: L1102040202PS WG356832-01 **Date Collected: 2/21/2011 9:04:08 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040202PS WG356832-01

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040202PS WG356832-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5062308.9						59137.84	1.17%
YRADIAL	308160.5						3167.76	1.03%
Ga 417.206	1225860.7						17642.05	1.44%
GaRADIAL	59654.9						1097.57	1.84%
Ag 328.068†	39684.6	0.198	mg/L	0.0037	0.198	mg/L	0.0037	1.86%
Al 396.153†	27348.8	5.32	mg/L	0.015	5.32	mg/L	0.015	0.28%
As 188.979†	211.3	0.197	mg/L	0.0052	0.197	mg/L	0.0052	2.62%
Ba 233.527†	29649.2	0.520	mg/L	0.0089	0.520	mg/L	0.0089	1.71%
Be 234.861†	14058.1	0.0251	mg/L	0.00038	0.0251	mg/L	0.00038	1.52%
B 249.677†	53046.8	1.01	mg/L	0.016	1.01	mg/L	0.016	1.61%
Ca 227.546†	682.2	6.71	mg/L	0.090	6.71	mg/L	0.090	1.34%
Cd 228.802†	429.5	0.0247	mg/L	0.00041	0.0247	mg/L	0.00041	1.64%
Co 228.616†	1901.3	0.100	mg/L	0.0010	0.100	mg/L	0.0010	0.96%
Cr 267.716†	28155.8	0.251	mg/L	0.0045	0.251	mg/L	0.0045	1.77%

Approved: February 22, 2011

Pierre Morris

Cu 327.393†	35681.4	0.250	mg/L	0.0051	0.250	mg/L	0.0051 2.04%
Fe 239.562†	981.5	2.16	mg/L	0.020	2.16	mg/L	0.020 0.93%
Mg 279.077†	4774.4	5.77	mg/L	0.076	5.77	mg/L	0.076 1.31%
Mn 257.610†	117722.5	0.272	mg/L	0.0043	0.272	mg/L	0.0043 1.58%
Mo 202.031†	6624.4	0.505	mg/L	0.0071	0.505	mg/L	0.0071 1.40%
Ni 231.604†	8519.0	0.255	mg/L	0.0045	0.255	mg/L	0.0045 1.77%
Pb 220.353†	1453.1	0.263	mg/L	0.0035	0.263	mg/L	0.0035 1.33%
Sb 206.836†	932.3	0.597	mg/L	0.0082	0.597	mg/L	0.0082 1.38%
Se 196.026†	273.1	0.198	mg/L	0.0012	0.198	mg/L	0.0012 0.62%
Si 251.611†	227819.3	6.76	mg/L	0.009	6.76	mg/L	0.009 0.13%
Sn 189.927†	-0.3	-0.00115	mg/L	0.000456	-0.00115	mg/L	0.000456 39.59%
Ti 334.940†	366193.3	0.509	mg/L	0.0020	0.509	mg/L	0.0020 0.40%
Tl 190.801†	414.9	0.259	mg/L	0.0037	0.259	mg/L	0.0037 1.43%
V 290.880†	73506.1	0.501	mg/L	0.0089	0.501	mg/L	0.0089 1.77%
Zn 206.200†	16123.2	0.509	mg/L	0.0070	0.509	mg/L	0.0070 1.38%
K 766.490†	68111.7	25.5	mg/L	0.07	25.5	mg/L	0.07 0.27%
Na 589.592†	367372.3	26.7	mg/L	0.19	26.7	mg/L	0.19 0.70%
Sr 407.771†	556217.4	0.516	mg/L	0.0326	0.516	mg/L	0.0326 6.30%
Li 670.784†	42700.8	0.513	mg/L	0.0015	0.513	mg/L	0.0015 0.30%

Sequence No.: 55 **Autosampler Location: 92**
Sample ID: L1102040202DL WG356832-02 **Date Collected: 2/21/2011 9:10:50 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040202DL WG356832-02

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040202DL WG356832-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5204461.4						72959.75	1.40%
YRADIAL	310706.8						9564.65	3.08%
Ga 417.206	1267177.9						14581.78	1.15%
GaRADIAL	60310.8						364.36	0.60%
Ag 328.068†	27.9	-0.00051	mg/L	0.000409	-0.00051	mg/L	0.000409	80.08%
Al 396.153†	152.3	0.0338	mg/L	0.00984	0.0338	mg/L	0.00984	29.13%
As 188.979†	-3.0	-0.00317	mg/L	0.000859	-0.00317	mg/L	0.000859	27.05%
Ba 233.527†	116.9	0.00173	mg/L	0.000089	0.00173	mg/L	0.000089	5.13%
Be 234.861†	19.4	0.00003	mg/L	0.000029	0.00003	mg/L	0.000029	94.21%
B 249.677†	802.5	0.0166	mg/L	0.00078	0.0166	mg/L	0.00078	4.71%
Ca 227.546†	37.7	0.398	mg/L	0.0607	0.398	mg/L	0.0607	15.25%
Cd 228.802†	1.1	-0.00004	mg/L	0.000094	-0.00004	mg/L	0.000094	252.69%
Co 228.616†	4.9	0.00022	mg/L	0.000193	0.00022	mg/L	0.000193	86.54%
Cr 267.716†	-3.8	-0.00020	mg/L	0.000100	-0.00020	mg/L	0.000100	49.81%
Cu 327.393†	31.4	0.00042	mg/L	0.000579	0.00042	mg/L	0.000579	137.46%
Fe 239.562†	13.3	0.0319	mg/L	0.00357	0.0319	mg/L	0.00357	11.20%
Mg 279.077†	119.1	0.160	mg/L	0.0105	0.160	mg/L	0.0105	6.54%
Mn 257.610†	1248.2	0.00285	mg/L	0.000057	0.00285	mg/L	0.000057	2.01%
Mo 202.031†	2.0	0.00011	mg/L	0.000264	0.00011	mg/L	0.000264	230.12%
Ni 231.604†	6.1	0.00033	mg/L	0.000624	0.00033	mg/L	0.000624	186.90%
Pb 220.353†	5.8	-0.00096	mg/L	0.001342	-0.00096	mg/L	0.001342	139.46%
Sb 206.836†	-1.1	0.00055	mg/L	0.002906	0.00055	mg/L	0.002906	523.95%
Se 196.026†	1.8	0.00250	mg/L	0.005044	0.00250	mg/L	0.005044	201.40%
Si 251.611†	30489.0	0.903	mg/L	0.0092	0.903	mg/L	0.0092	1.02%
Sn 189.927†	11.0	0.00087	mg/L	0.000628	0.00087	mg/L	0.000628	72.05%
Ti 334.940†	391.3	0.00056	mg/L	0.000065	0.00056	mg/L	0.000065	11.52%
Tl 190.801†	-3.3	-0.00012	mg/L	0.002496	-0.00012	mg/L	0.002496	>999.9%
V 290.880†	-66.9	-0.00008	mg/L	0.000528	-0.00008	mg/L	0.000528	693.89%
Zn 206.200†	76.4	0.00240	mg/L	0.000168	0.00240	mg/L	0.000168	7.02%
K 766.490†	287.0	0.0862	mg/L	0.01480	0.0862	mg/L	0.01480	17.17%
Na 589.592†	5086.2	0.353	mg/L	0.0046	0.353	mg/L	0.0046	1.31%
Sr 407.771†	2592.6	0.00260	mg/L	0.000244	0.00260	mg/L	0.000244	9.35%
Li 670.784†	12.6	0.00075	mg/L	0.001753	0.00075	mg/L	0.001753	233.76%

Sequence No.: 56 **Autosampler Location: 93**
Sample ID: L1102040207 WG356765-01 **Date Collected: 2/21/2011 9:17:28 PM**

Approved: February 22, 2011

Pierre Morris

Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040207 WG356765-01

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040207 WG356765-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5202772.0						53914.71	1.04%
YRADIAL	315872.4						8120.46	2.57%
Ga 417.206	1284792.4						24583.60	1.91%
GaRADIAL	61535.6						809.97	1.32%
Ag 328.068†	99.5	-0.00016	mg/L	0.000297	-0.00016	mg/L	0.000297	182.31%
Al 396.153†	695.2	0.140	mg/L	0.0076	0.140	mg/L	0.0076	5.43%
As 188.979†	0.2	-0.00021	mg/L	0.001610	-0.00021	mg/L	0.001610	781.98%
Ba 233.527†	523.0	0.00883	mg/L	0.000066	0.00883	mg/L	0.000066	0.75%
Be 234.861†	38.1	0.00004	mg/L	0.000045	0.00004	mg/L	0.000045	112.66%
B 249.677†	676.6	0.0147	mg/L	0.00067	0.0147	mg/L	0.00067	4.58%
Ca 227.546†	168.0	1.63	mg/L	0.023	1.63	mg/L	0.023	1.44%
Cd 228.802†	0.4	-0.00010	mg/L	0.000138	-0.00010	mg/L	0.000138	140.20%
Co 228.616†	2.7	0.00010	mg/L	0.000205	0.00010	mg/L	0.000205	205.82%
Cr 267.716†	70.7	0.00046	mg/L	0.000059	0.00046	mg/L	0.000059	12.84%
Cu 327.393†	103.6	0.00094	mg/L	0.000287	0.00094	mg/L	0.000287	30.44%
Fe 239.562†	68.9	0.154	mg/L	0.0031	0.154	mg/L	0.0031	2.04%
Mg 279.077†	697.6	0.857	mg/L	0.0090	0.857	mg/L	0.0090	1.05%
Mn 257.610†	4988.9	0.0121	mg/L	0.00022	0.0121	mg/L	0.00022	1.82%
Mo 202.031†	-3.2	-0.00027	mg/L	0.000124	-0.00027	mg/L	0.000124	45.81%
Ni 231.604†	22.3	0.00082	mg/L	0.000188	0.00082	mg/L	0.000188	23.04%
Pb 220.353†	2.0	-0.00159	mg/L	0.001847	-0.00159	mg/L	0.001847	115.80%
Sb 206.836†	0.3	0.00143	mg/L	0.000559	0.00143	mg/L	0.000559	39.07%
Se 196.026†	-3.2	-0.00075	mg/L	0.001792	-0.00075	mg/L	0.001792	238.45%
Si 251.611†	158151.8	4.70	mg/L	0.090	4.70	mg/L	0.090	1.91%
Sn 189.927†	6.6	0.00008	mg/L	0.000279	0.00008	mg/L	0.000279	334.14%
Ti 334.940†	1641.0	0.00231	mg/L	0.000201	0.00231	mg/L	0.000201	8.68%
Tl 190.801†	-2.7	0.00020	mg/L	0.001356	0.00020	mg/L	0.001356	682.66%
V 290.880†	-96.0	-0.00027	mg/L	0.001031	-0.00027	mg/L	0.001031	388.64%
Zn 206.200†	122.5	0.00385	mg/L	0.000077	0.00385	mg/L	0.000077	2.00%
K 766.490†	1064.4	0.377	mg/L	0.0060	0.377	mg/L	0.0060	1.59%
Na 589.592†	25104.9	1.81	mg/L	0.016	1.81	mg/L	0.016	0.87%
Sr 407.771†	12969.3	0.0122	mg/L	0.00074	0.0122	mg/L	0.00074	6.05%
Li 670.784†	125.8	0.00211	mg/L	0.000364	0.00211	mg/L	0.000364	17.27%

Sequence No.: 57 **Autosampler Location: 94**
Sample ID: L1102040208S WG356765-04 **Date Collected: 2/21/2011 9:24:07 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040208S WG356765-04

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040208S WG356765-04

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5142368.6						18551.48	0.36%
YRADIAL	308721.3						3490.59	1.13%
Ga 417.206	1255110.3						5528.96	0.44%
GaRADIAL	60290.1						858.66	1.42%
Ag 328.068†	39058.5	0.195	mg/L	0.0016	0.195	mg/L	0.0016	0.80%
Al 396.153†	26711.1	5.20	mg/L	0.023	5.20	mg/L	0.023	0.44%
As 188.979†	208.0	0.194	mg/L	0.0005	0.194	mg/L	0.0005	0.25%
Ba 233.527†	29177.5	0.511	mg/L	0.0062	0.511	mg/L	0.0062	1.21%
Be 234.861†	13878.5	0.0247	mg/L	0.00021	0.0247	mg/L	0.00021	0.86%
B 249.677†	51767.5	0.982	mg/L	0.0065	0.982	mg/L	0.0065	0.66%

Approved: February 22, 2011

Ca 227.546†	676.4	6.65	mg/L	0.028	6.65	mg/L	0.028	0.43%
Cd 228.802†	425.6	0.0245	mg/L	0.00016	0.0245	mg/L	0.00016	0.66%
Co 228.616†	1893.7	0.0999	mg/L	0.00088	0.0999	mg/L	0.00088	0.88%
Cr 267.716†	27687.4	0.247	mg/L	0.0019	0.247	mg/L	0.0019	0.75%
Cu 327.393†	35262.1	0.247	mg/L	0.0020	0.247	mg/L	0.0020	0.83%
Fe 239.562†	992.6	2.18	mg/L	0.033	2.18	mg/L	0.033	1.50%
Mg 279.077†	4909.2	5.93	mg/L	0.068	5.93	mg/L	0.068	1.15%
Mn 257.610†	115789.8	0.268	mg/L	0.0028	0.268	mg/L	0.0028	1.05%
Mo 202.031†	6481.9	0.494	mg/L	0.0048	0.494	mg/L	0.0048	0.97%
Ni 231.604†	8382.3	0.251	mg/L	0.0011	0.251	mg/L	0.0011	0.42%
Pb 220.353†	1448.5	0.262	mg/L	0.0022	0.262	mg/L	0.0022	0.84%
Sb 206.836†	920.8	0.590	mg/L	0.0020	0.590	mg/L	0.0020	0.35%
Se 196.026†	268.3	0.194	mg/L	0.0028	0.194	mg/L	0.0028	1.42%
Si 251.611†	248056.0	7.36	mg/L	0.048	7.36	mg/L	0.048	0.65%
Sn 189.927†	3003.5	0.536	mg/L	0.0020	0.536	mg/L	0.0020	0.38%
Ti 334.940†	363677.6	0.506	mg/L	0.0013	0.506	mg/L	0.0013	0.25%
Tl 190.801†	419.9	0.261	mg/L	0.0019	0.261	mg/L	0.0019	0.71%
V 290.880†	72291.8	0.493	mg/L	0.0056	0.493	mg/L	0.0056	1.13%
Zn 206.200†	15666.6	0.495	mg/L	0.0070	0.495	mg/L	0.0070	1.41%
K 766.490†	67921.5	25.4	mg/L	0.08	25.4	mg/L	0.08	0.32%
Na 589.592†	370597.9	26.9	mg/L	0.36	26.9	mg/L	0.36	1.33%
Sr 407.771†	562665.4	0.522	mg/L	0.0405	0.522	mg/L	0.0405	7.75%
Li 670.784†	42132.6	0.506	mg/L	0.0035	0.506	mg/L	0.0035	0.69%

Sequence No.: 58 **Autosampler Location: 95**
Sample ID: L1102040209SD WG356765-05 **Date Collected: 2/21/2011 9:30:51 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040209SD WG356765-05

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040209SD WG356765-05

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5040784.9						40721.54	0.81%
YRADIAL	310398.0						7662.32	2.47%
Ga 417.206	1233263.0						12460.74	1.01%
GaRADIAL	60326.0						1632.07	2.71%
Ag 328.068†	40013.0	0.200	mg/L	0.0041	0.200	mg/L	0.0041	2.05%
Al 396.153†	27697.7	5.39	mg/L	0.013	5.39	mg/L	0.013	0.25%
As 188.979†	211.3	0.197	mg/L	0.0017	0.197	mg/L	0.0017	0.84%
Ba 233.527†	30131.8	0.528	mg/L	0.0088	0.528	mg/L	0.0088	1.67%
Be 234.861†	14269.5	0.0255	mg/L	0.00036	0.0255	mg/L	0.00036	1.42%
B 249.677†	53523.8	1.02	mg/L	0.022	1.02	mg/L	0.022	2.15%
Ca 227.546†	696.9	6.85	mg/L	0.047	6.85	mg/L	0.047	0.68%
Cd 228.802†	436.9	0.0252	mg/L	0.00036	0.0252	mg/L	0.00036	1.44%
Co 228.616†	1967.0	0.104	mg/L	0.0012	0.104	mg/L	0.0012	1.18%
Cr 267.716†	28754.9	0.257	mg/L	0.0037	0.257	mg/L	0.0037	1.43%
Cu 327.393†	36068.5	0.253	mg/L	0.0067	0.253	mg/L	0.0067	2.66%
Fe 239.562†	1006.0	2.21	mg/L	0.065	2.21	mg/L	0.065	2.92%
Mg 279.077†	4986.9	6.02	mg/L	0.169	6.02	mg/L	0.169	2.80%
Mn 257.610†	119422.9	0.276	mg/L	0.0034	0.276	mg/L	0.0034	1.24%
Mo 202.031†	6675.5	0.509	mg/L	0.0071	0.509	mg/L	0.0071	1.39%
Ni 231.604†	8639.7	0.259	mg/L	0.0035	0.259	mg/L	0.0035	1.35%
Pb 220.353†	1495.5	0.271	mg/L	0.0024	0.271	mg/L	0.0024	0.89%
Sb 206.836†	950.5	0.609	mg/L	0.0064	0.609	mg/L	0.0064	1.05%
Se 196.026†	284.8	0.206	mg/L	0.0003	0.206	mg/L	0.0003	0.15%
Si 251.611†	251726.1	7.47	mg/L	0.081	7.47	mg/L	0.081	1.08%
Sn 189.927†	3258.8	0.582	mg/L	0.0061	0.582	mg/L	0.0061	1.05%
Ti 334.940†	370710.6	0.515	mg/L	0.0024	0.515	mg/L	0.0024	0.46%
Tl 190.801†	432.5	0.269	mg/L	0.0052	0.269	mg/L	0.0052	1.92%
V 290.880†	74546.1	0.508	mg/L	0.0088	0.508	mg/L	0.0088	1.74%
Zn 206.200†	16344.5	0.516	mg/L	0.0025	0.516	mg/L	0.0025	0.48%
K 766.490†	68817.7	25.8	mg/L	0.17	25.8	mg/L	0.17	0.64%
Na 589.592†	374549.1	27.2	mg/L	0.18	27.2	mg/L	0.18	0.67%
Sr 407.771†	574200.8	0.533	mg/L	0.0322	0.533	mg/L	0.0322	6.05%
Li 670.784†	43254.6	0.519	mg/L	0.0036	0.519	mg/L	0.0036	0.69%

Approved: February 22, 2011

Pierre Morris

Sequence No.: 59 **Autosampler Location: 96**
Sample ID: L1102040214 **Date Collected: 2/21/2011 9:37:32 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040214

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040214

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5117581.0						10530.18	0.21%
YRADIAL	319025.5						8510.81	2.67%
Ga 417.206	1259870.9						4329.00	0.34%
GaRADIAL	62359.7						895.39	1.44%
Ag 328.068†	96.7	-0.00018	mg/L	0.000214	-0.00018	mg/L	0.000214	118.16%
Al 396.153†	504.7	0.102	mg/L	0.0270	0.102	mg/L	0.0270	26.36%
As 188.979†	0.3	-0.00009	mg/L	0.002289	-0.00009	mg/L	0.002289	>999.9%
Ba 233.527†	584.7	0.00991	mg/L	0.000026	0.00991	mg/L	0.000026	0.26%
Be 234.861†	27.1	0.00001	mg/L	0.000020	0.00001	mg/L	0.000020	179.86%
B 249.677†	1067.1	0.0223	mg/L	0.00063	0.0223	mg/L	0.00063	2.81%
Ca 227.546†	207.3	2.01	mg/L	0.057	2.01	mg/L	0.057	2.85%
Cd 228.802†	1.9	-0.00001	mg/L	0.000181	-0.00001	mg/L	0.000181	>999.9%
Co 228.616†	2.3	0.00007	mg/L	0.000245	0.00007	mg/L	0.000245	330.85%
Cr 267.716†	52.3	0.00029	mg/L	0.000045	0.00029	mg/L	0.000045	15.50%
Cu 327.393†	-6.5	0.00018	mg/L	0.000460	0.00018	mg/L	0.000460	257.64%
Fe 239.562†	92.0	0.205	mg/L	0.0067	0.205	mg/L	0.0067	3.30%
Mg 279.077†	829.0	1.01	mg/L	0.020	1.01	mg/L	0.020	2.00%
Mn 257.610†	8336.1	0.0199	mg/L	0.00054	0.0199	mg/L	0.00054	2.72%
Mo 202.031†	-4.2	-0.00034	mg/L	0.000215	-0.00034	mg/L	0.000215	62.50%
Ni 231.604†	22.5	0.00082	mg/L	0.000253	0.00082	mg/L	0.000253	30.70%
Pb 220.353†	8.8	-0.00035	mg/L	0.001579	-0.00035	mg/L	0.001579	456.35%
Sb 206.836†	4.0	0.00378	mg/L	0.000616	0.00378	mg/L	0.000616	16.28%
Se 196.026†	4.8	0.00512	mg/L	0.000562	0.00512	mg/L	0.000562	10.99%
Si 251.611†	177576.0	5.28	mg/L	0.025	5.28	mg/L	0.025	0.48%
Sn 189.927†	10.9	0.00084	mg/L	0.000241	0.00084	mg/L	0.000241	28.69%
Ti 334.940†	1674.0	0.00236	mg/L	0.000512	0.00236	mg/L	0.000512	21.67%
Tl 190.801†	-0.9	0.00127	mg/L	0.002039	0.00127	mg/L	0.002039	160.64%
V 290.880†	-95.9	-0.00026	mg/L	0.000791	-0.00026	mg/L	0.000791	303.61%
Zn 206.200†	92.4	0.00290	mg/L	0.000105	0.00290	mg/L	0.000105	3.62%
K 766.490†	1370.1	0.491	mg/L	0.0441	0.491	mg/L	0.0441	8.99%
Na 589.592†	31655.8	2.28	mg/L	0.015	2.28	mg/L	0.015	0.67%
Sr 407.771†	16312.4	0.0153	mg/L	0.00141	0.0153	mg/L	0.00141	9.18%
Li 670.784†	37.2	0.00104	mg/L	0.000639	0.00104	mg/L	0.000639	61.21%

Sequence No.: 60 **Autosampler Location: 97**
Sample ID: L1102040217 **Date Collected: 2/21/2011 9:44:11 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040217

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040217

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5228937.6						65752.82	1.26%
YRADIAL	313349.9						7933.31	2.53%
Ga 417.206	1310460.2						19375.24	1.48%
GaRADIAL	61890.8						246.41	0.40%
Ag 328.068†	6.1	-0.00063	mg/L	0.000731	-0.00063	mg/L	0.000731	115.51%
Al 396.153†	560.2	0.113	mg/L	0.0062	0.113	mg/L	0.0062	5.43%

Approved: February 22, 2011

Pierre Morris

As 188.979†	-0.5	-0.00082 mg/L	0.002767	-0.00082 mg/L	0.002767	337.88%
Ba 233.527†	559.6	0.00947 mg/L	0.000073	0.00947 mg/L	0.000073	0.77%
Be 234.861†	52.6	0.00006 mg/L	0.000014	0.00006 mg/L	0.000014	25.93%
B 249.677†	872.5	0.0186 mg/L	0.00044	0.0186 mg/L	0.00044	2.34%
Ca 227.546†	193.1	1.87 mg/L	0.054	1.87 mg/L	0.054	2.90%
Cd 228.802†	1.3	-0.00004 mg/L	0.000172	-0.00004 mg/L	0.000172	414.24%
Co 228.616†	1.7	0.00005 mg/L	0.000224	0.00005 mg/L	0.000224	493.02%
Cr 267.716†	64.9	0.00040 mg/L	0.000079	0.00040 mg/L	0.000079	19.46%
Cu 327.393†	121.2	0.00107 mg/L	0.000232	0.00107 mg/L	0.000232	21.65%
Fe 239.562†	93.9	0.209 mg/L	0.0014	0.209 mg/L	0.0014	0.66%
Mg 279.077†	823.3	1.01 mg/L	0.029	1.01 mg/L	0.029	2.89%
Mn 257.610†	7899.1	0.0189 mg/L	0.00028	0.0189 mg/L	0.00028	1.48%
Mo 202.031†	0.7	0.00003 mg/L	0.000095	0.00003 mg/L	0.000095	365.25%
Ni 231.604†	23.5	0.00085 mg/L	0.000042	0.00085 mg/L	0.000042	4.89%
Pb 220.353†	3.6	-0.00129 mg/L	0.001826	-0.00129 mg/L	0.001826	141.76%
Sb 206.836†	-1.6	0.00024 mg/L	0.000905	0.00024 mg/L	0.000905	378.19%
Se 196.026†	-4.5	-0.00160 mg/L	0.003725	-0.00160 mg/L	0.003725	232.51%
Si 251.611†	170877.3	5.08 mg/L	0.068	5.08 mg/L	0.068	1.34%
Sn 189.927†	7.2	0.00019 mg/L	0.000899	0.00019 mg/L	0.000899	480.89%
Ti 334.940†	1662.2	0.00234 mg/L	0.000491	0.00234 mg/L	0.000491	20.93%
Tl 190.801†	3.6	0.00397 mg/L	0.000471	0.00397 mg/L	0.000471	11.87%
V 290.880†	-53.8	0.00003 mg/L	0.000987	0.00003 mg/L	0.000987	>999.9%
Zn 206.200†	107.3	0.00337 mg/L	0.000179	0.00337 mg/L	0.000179	5.32%
K 766.490†	1250.4	0.446 mg/L	0.0259	0.446 mg/L	0.0259	5.82%
Na 589.592†	30771.0	2.22 mg/L	0.026	2.22 mg/L	0.026	1.16%
Sr 407.771†	16623.7	0.0156 mg/L	0.00115	0.0156 mg/L	0.00115	7.39%
Li 670.784†	68.7	0.00142 mg/L	0.000764	0.00142 mg/L	0.000764	53.73%

Sequence No.: 61 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 9:50:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4916525.2						16859.13	0.34%
YRADIAL	297743.1						6521.14	2.19%
Ga 417.206	1189999.0						5552.55	0.47%
GaRADIAL	58014.3						571.43	0.98%
Ag 328.068†	80007.5	0.400	mg/L	0.0023	0.400	mg/L	0.0023	0.57%
QC value within limits for Ag 328.068 Recovery = 100.02%								
Al 396.153†	51957.1	10.1	mg/L	0.07	10.1	mg/L	0.07	0.69%
QC value within limits for Al 396.153 Recovery = 101.10%								
As 188.979†	430.6	0.402	mg/L	0.0004	0.402	mg/L	0.0004	0.09%
QC value within limits for As 188.979 Recovery = 100.40%								
Ba 233.527†	58432.3	1.02	mg/L	0.005	1.02	mg/L	0.005	0.48%
QC value within limits for Ba 233.527 Recovery = 102.45%								
Be 234.861†	28649.8	0.0512	mg/L	0.00020	0.0512	mg/L	0.00020	0.39%
QC value within limits for Be 234.861 Recovery = 102.34%								
B 249.677†	27184.6	0.521	mg/L	0.0027	0.521	mg/L	0.0027	0.52%
QC value within limits for B 249.677 Recovery = 104.16%								
Ca 227.546†	1035.9	10.3	mg/L	0.09	10.3	mg/L	0.09	0.84%
QC value within limits for Ca 227.546 Recovery = 102.64%								
Cd 228.802†	874.0	0.0504	mg/L	0.00031	0.0504	mg/L	0.00031	0.62%
QC value within limits for Cd 228.802 Recovery = 100.81%								
Co 228.616†	3856.3	0.203	mg/L	0.0016	0.203	mg/L	0.0016	0.77%
QC value within limits for Co 228.616 Recovery = 101.73%								
Cr 267.716†	57049.3	0.510	mg/L	0.0017	0.510	mg/L	0.0017	0.33%
QC value within limits for Cr 267.716 Recovery = 101.94%								
Cu 327.393†	72494.5	0.507	mg/L	0.0038	0.507	mg/L	0.0038	0.75%
QC value within limits for Cu 327.393 Recovery = 101.48%								
Fe 239.562†	1825.0	4.01	mg/L	0.072	4.01	mg/L	0.072	1.80%
QC value within limits for Fe 239.562 Recovery = 100.21%								
Mg 279.077†	8280.2	9.99	mg/L	0.184	9.99	mg/L	0.184	1.84%

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QC value within limits for Mg 279.077 Recovery = 99.87%

Mn 257.610†	222719.4	0.514 mg/L	0.0014	0.514 mg/L	0.0014	0.28%
QC value within limits for Mn 257.610 Recovery = 102.78%						
Mo 202.031†	13319.4	1.01 mg/L	0.003	1.01 mg/L	0.003	0.28%
QC value within limits for Mo 202.031 Recovery = 101.47%						
Ni 231.604†	17052.9	0.510 mg/L	0.0011	0.510 mg/L	0.0011	0.21%
QC value within limits for Ni 231.604 Recovery = 102.04%						
Pb 220.353†	2946.1	0.536 mg/L	0.0046	0.536 mg/L	0.0046	0.86%
QC value within limits for Pb 220.353 Recovery = 107.15%						
Sb 206.836†	1880.7	1.20 mg/L	0.006	1.20 mg/L	0.006	0.47%
QC value within limits for Sb 206.836 Recovery = 100.32%						
Se 196.026†	554.1	0.399 mg/L	0.0067	0.399 mg/L	0.0067	1.68%
QC value within limits for Se 196.026 Recovery = 99.82%						
Si 251.611†	169706.7	5.03 mg/L	0.019	5.03 mg/L	0.019	0.38%
QC value within limits for Si 251.611 Recovery = 100.52%						
Sn 189.927†	5858.8	1.05 mg/L	0.008	1.05 mg/L	0.008	0.72%
QC value within limits for Sn 189.927 Recovery = 104.66%						
Ti 334.940†	731511.8	1.02 mg/L	0.004	1.02 mg/L	0.004	0.44%
QC value within limits for Ti 334.940 Recovery = 101.70%						
Tl 190.801†	846.4	0.525 mg/L	0.0018	0.525 mg/L	0.0018	0.35%
QC value within limits for Tl 190.801 Recovery = 105.06%						
V 290.880†	148571.4	1.01 mg/L	0.004	1.01 mg/L	0.004	0.39%
QC value within limits for V 290.880 Recovery = 101.25%						
Zn 206.200†	32494.6	1.03 mg/L	0.005	1.03 mg/L	0.005	0.53%
QC value within limits for Zn 206.200 Recovery = 102.65%						
K 766.490†	133355.0	49.9 mg/L	0.39	49.9 mg/L	0.39	0.77%
QC value within limits for K 766.490 Recovery = 99.80%						
Na 589.592†	682812.4	49.7 mg/L	0.47	49.7 mg/L	0.47	0.94%
QC value within limits for Na 589.592 Recovery = 99.46%						
Sr 407.771†	1059560.7	0.984 mg/L	0.0613	0.984 mg/L	0.0613	6.23%
QC value within limits for Sr 407.771 Recovery = 98.35%						
Li 670.784†	83081.7	0.997 mg/L	0.0055	0.997 mg/L	0.0055	0.55%
QC value within limits for Li 670.784 Recovery = 99.68%						

All analyte(s) passed QC.

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Sequence No.: 62 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 9:57:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5150991.1						94023.00	1.83%
YRADIAL	313036.5						8079.95	2.58%
Ga 417.206	1234444.9						41996.53	3.40%
GaRADIAL	60046.1						1072.20	1.79%
Ag 328.068†	136.8	0.00004	mg/L	0.000698	0.00004	mg/L	0.000698	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-54.3	-0.00646	mg/L	0.003330	-0.00646	mg/L	0.003330	51.58%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	3.2	0.00264	mg/L	0.001144	0.00264	mg/L	0.001144	43.30%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	4.0	-0.00025	mg/L	0.000073	-0.00025	mg/L	0.000073	29.56%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-12.1	-0.00002	mg/L	0.000053	-0.00002	mg/L	0.000053	307.56%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	779.8	0.0160	mg/L	0.00136	0.0160	mg/L	0.00136	8.47%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	1.7	0.0570	mg/L	0.05058	0.0570	mg/L	0.05058	88.73%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	2.5	0.00000	mg/L	0.000096	0.00000	mg/L	0.000096	>999.9%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	-1.2	-0.00010	mg/L	0.000178	-0.00010	mg/L	0.000178	185.87%
QC value within limits for Co 228.616 Recovery = Not calculated								

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Cr 267.716†	-6.1	-0.00022 mg/L	0.000240	-0.00022 mg/L	0.000240	109.15%
QC value within limits for Cr 267.716 Recovery = Not calculated						
Cu 327.393†	11.0	0.00027 mg/L	0.000760	0.00027 mg/L	0.000760	276.78%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 239.562†	-2.9	-0.00352 mg/L	0.004672	-0.00352 mg/L	0.004672	132.71%
QC value within limits for Fe 239.562 Recovery = Not calculated						
Mg 279.077†	-12.6	0.00172 mg/L	0.003504	0.00172 mg/L	0.003504	203.67%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	-5.8	-0.00019 mg/L	0.000027	-0.00019 mg/L	0.000027	14.48%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	6.0	0.00042 mg/L	0.000163	0.00042 mg/L	0.000163	38.62%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Ni 231.604†	-0.9	0.00012 mg/L	0.000111	0.00012 mg/L	0.000111	89.41%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	2.0	-0.00165 mg/L	0.000441	-0.00165 mg/L	0.000441	26.79%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-1.8	0.00014 mg/L	0.000773	0.00014 mg/L	0.000773	565.53%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	0.4	0.00138 mg/L	0.002060	0.00138 mg/L	0.002060	149.41%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	27.1	-0.00250 mg/L	0.000728	-0.00250 mg/L	0.000728	29.16%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	9.1	0.00052 mg/L	0.000535	0.00052 mg/L	0.000535	102.75%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	-63.9	-0.00007 mg/L	0.000211	-0.00007 mg/L	0.000211	285.98%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-4.2	-0.00065 mg/L	0.003283	-0.00065 mg/L	0.003283	507.11%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 290.880†	-76.1	-0.00014 mg/L	0.000454	-0.00014 mg/L	0.000454	318.13%
QC value within limits for V 290.880 Recovery = Not calculated						
Zn 206.200†	-0.3	-0.00002 mg/L	0.000166	-0.00002 mg/L	0.000166	786.01%
QC value within limits for Zn 206.200 Recovery = Not calculated						
K 766.490†	148.1	0.0344 mg/L	0.03757	0.0344 mg/L	0.03757	109.21%
QC value within limits for K 766.490 Recovery = Not calculated						
Na 589.592†	240.9	0.00183 mg/L	0.008179	0.00183 mg/L	0.008179	446.53%
QC value within limits for Na 589.592 Recovery = Not calculated						
Sr 407.771†	51.2	0.00025 mg/L	0.000082	0.00025 mg/L	0.000082	33.07%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Li 670.784†	83.4	0.00160 mg/L	0.000906	0.00160 mg/L	0.000906	56.69%
QC value within limits for Li 670.784 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 63 **Autosampler Location: 98**
Sample ID: L1102040220 **Date Collected: 2/21/2011 10:04:16 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040220

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102040220

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5245843.8						32741.64	0.62%
YRADIAL	312325.8						5848.37	1.87%
Ga 417.206	1296863.7						10760.39	0.83%
GaRADIAL	60710.2						1377.05	2.27%
Ag 328.068†	90.6	-0.00020	mg/L	0.000052	-0.00020	mg/L	0.000052	26.27%
Al 396.153†	-84.6	-0.0124	mg/L	0.01607	-0.0124	mg/L	0.01607	130.00%
As 188.979†	1.0	0.00059	mg/L	0.002576	0.00059	mg/L	0.002576	433.94%
Ba 233.527†	2.1	-0.00028	mg/L	0.000063	-0.00028	mg/L	0.000063	22.69%
Be 234.861†	5.4	0.00001	mg/L	0.000010	0.00001	mg/L	0.000010	83.63%
B 249.677†	578.8	0.0123	mg/L	0.00027	0.0123	mg/L	0.00027	2.20%
Ca 227.546†	-5.5	-0.0108	mg/L	0.04641	-0.0108	mg/L	0.04641	429.95%
Cd 228.802†	0.5	-0.00010	mg/L	0.000056	-0.00010	mg/L	0.000056	57.21%
Co 228.616†	2.3	0.00009	mg/L	0.000154	0.00009	mg/L	0.000154	171.29%
Cr 267.716†	48.9	0.00027	mg/L	0.000110	0.00027	mg/L	0.000110	40.45%
Cu 327.393†	44.7	0.00051	mg/L	0.000249	0.00051	mg/L	0.000249	48.81%

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Fe 239.562†	-2.0	-0.00154	mg/L	0.002518	-0.00154	mg/L	0.002518 163.63%
Mg 279.077†	-16.0	-0.00245	mg/L	0.003304	-0.00245	mg/L	0.003304 135.09%
Mn 257.610†	8.8	-0.00016	mg/L	0.000013	-0.00016	mg/L	0.000013 8.45%
Mo 202.031†	-0.6	-0.00008	mg/L	0.000326	-0.00008	mg/L	0.000326 384.69%
Ni 231.604†	3.5	0.00026	mg/L	0.000024	0.00026	mg/L	0.000024 9.45%
Pb 220.353†	1.4	-0.00177	mg/L	0.000938	-0.00177	mg/L	0.000938 53.10%
Sb 206.836†	-1.8	0.00011	mg/L	0.001101	0.00011	mg/L	0.001101 >999.9%
Se 196.026†	2.7	0.00302	mg/L	0.002579	0.00302	mg/L	0.002579 85.42%
Si 251.611†	115.7	0.00014	mg/L	0.000183	0.00014	mg/L	0.000183 127.01%
Sn 189.927†	10.5	0.00077	mg/L	0.000285	0.00077	mg/L	0.000285 36.77%
Ti 334.940†	89.9	0.00014	mg/L	0.000134	0.00014	mg/L	0.000134 95.84%
Tl 190.801†	-0.9	0.00137	mg/L	0.002398	0.00137	mg/L	0.002398 175.01%
V 290.880†	-126.9	-0.00049	mg/L	0.000222	-0.00049	mg/L	0.000222 45.50%
Zn 206.200†	61.7	0.00194	mg/L	0.000142	0.00194	mg/L	0.000142 7.32%
K 766.490†	124.4	0.0255	mg/L	0.01369	0.0255	mg/L	0.01369 53.68%
Na 589.592†	301.9	0.00625	mg/L	0.001168	0.00625	mg/L	0.001168 18.67%
Sr 407.771†	3.6	0.00020	mg/L	0.000012	0.00020	mg/L	0.000012 5.83%
Li 670.784†	-47.6	0.00003	mg/L	0.001009	0.00003	mg/L	0.001009 >999.9%

Sequence No.: 64 **Autosampler Location: 99**
Sample ID: L1102040223 **Date Collected: 2/21/2011 10:10:54 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102040223

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102040223

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5155850.6						14875.30	0.29%
YRADIAL	316913.6						8232.55	2.60%
Ga 417.206	1265225.3						7251.37	0.57%
GaRADIAL	60690.5						1141.22	1.88%
Ag 328.068†	73.8	-0.00028	mg/L	0.000305	-0.00028	mg/L	0.000305	109.51%
Al 396.153†	-40.5	-0.00376	mg/L	0.010042	-0.00376	mg/L	0.010042	267.00%
As 188.979†	0.4	0.00004	mg/L	0.001364	0.00004	mg/L	0.001364	>999.9%
Ba 233.527†	4.8	-0.00023	mg/L	0.000161	-0.00023	mg/L	0.000161	70.43%
Be 234.861†	-8.8	-0.00001	mg/L	0.000006	-0.00001	mg/L	0.000006	47.21%
B 249.677†	425.4	0.00937	mg/L	0.000411	0.00937	mg/L	0.000411	4.39%
Ca 227.546†	-2.3	0.0197	mg/L	0.05306	0.0197	mg/L	0.05306	269.41%
Cd 228.802†	2.1	0.00000	mg/L	0.000064	0.00000	mg/L	0.000064	>999.9%
Co 228.616†	2.8	0.00011	mg/L	0.000044	0.00011	mg/L	0.000044	38.69%
Cr 267.716†	14.9	-0.00003	mg/L	0.000116	-0.00003	mg/L	0.000116	374.45%
Cu 327.393†	13.4	0.00029	mg/L	0.000529	0.00029	mg/L	0.000529	180.92%
Fe 239.562†	-0.5	0.00175	mg/L	0.002224	0.00175	mg/L	0.002224	127.05%
Mg 279.077†	-13.7	0.00029	mg/L	0.008581	0.00029	mg/L	0.008581	>999.9%
Mn 257.610†	-15.9	-0.00021	mg/L	0.000009	-0.00021	mg/L	0.000009	4.04%
Mo 202.031†	0.9	0.00003	mg/L	0.000393	0.00003	mg/L	0.000393	>999.9%
Ni 231.604†	6.9	0.00036	mg/L	0.000391	0.00036	mg/L	0.000391	108.48%
Pb 220.353†	5.9	-0.00095	mg/L	0.000527	-0.00095	mg/L	0.000527	55.65%
Sb 206.836†	1.0	0.00190	mg/L	0.001421	0.00190	mg/L	0.001421	74.77%
Se 196.026†	-0.5	0.00074	mg/L	0.001216	0.00074	mg/L	0.001216	164.02%
Si 251.611†	140.0	0.00086	mg/L	0.000042	0.00086	mg/L	0.000042	4.89%
Sn 189.927†	6.7	0.00009	mg/L	0.000723	0.00009	mg/L	0.000723	771.89%
Ti 334.940†	-44.9	-0.00005	mg/L	0.000224	-0.00005	mg/L	0.000224	471.87%
Tl 190.801†	-5.4	-0.00136	mg/L	0.002989	-0.00136	mg/L	0.002989	219.30%
V 290.880†	57.6	0.00077	mg/L	0.000850	0.00077	mg/L	0.000850	110.44%
Zn 206.200†	60.4	0.00190	mg/L	0.000117	0.00190	mg/L	0.000117	6.19%
K 766.490†	54.1	-0.00085	mg/L	0.014815	-0.00085	mg/L	0.014815	>999.9%
Na 589.592†	225.7	0.00072	mg/L	0.010165	0.00072	mg/L	0.010165	>999.9%
Sr 407.771†	31.6	0.00023	mg/L	0.000018	0.00023	mg/L	0.000018	7.71%
Li 670.784†	10.2	0.00072	mg/L	0.001363	0.00072	mg/L	0.001363	189.28%

Sequence No.: 65 **Autosampler Location: 100**
Sample ID: L1102041217 **Date Collected: 2/21/2011 10:17:33 PM**
Analyst: PDM **Data Type: Original**

Approved: February 22, 2011

Pierre Morris

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041217

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102041217

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5182019.8						81821.48	1.58%
YRADIAL	308954.4						11270.98	3.65%
Ga 417.206	1279681.5						8999.57	0.70%
GaRADIAL	60303.5						971.83	1.61%
Ag 328.068†	57.1	-0.00038	mg/L	0.000552	-0.00038	mg/L	0.000552	144.47%
Al 396.153†	1674.8	0.330	mg/L	0.0110	0.330	mg/L	0.0110	3.34%
As 188.979†	1.0	0.00058	mg/L	0.001108	0.00058	mg/L	0.001108	190.99%
Ba 233.527†	224.7	0.00361	mg/L	0.000065	0.00361	mg/L	0.000065	1.81%
Be 234.861†	54.7	0.00004	mg/L	0.000015	0.00004	mg/L	0.000015	38.11%
B 249.677†	516.4	0.0121	mg/L	0.00008	0.0121	mg/L	0.00008	0.62%
Ca 227.546†	157.4	1.54	mg/L	0.020	1.54	mg/L	0.020	1.31%
Cd 228.802†	2.3	0.00001	mg/L	0.000081	0.00001	mg/L	0.000081	772.84%
Co 228.616†	10.8	0.00050	mg/L	0.000336	0.00050	mg/L	0.000336	67.12%
Cr 267.716†	1179.1	0.0104	mg/L	0.00019	0.0104	mg/L	0.00019	1.83%
Cu 327.393†	9287.1	0.0650	mg/L	0.00025	0.0650	mg/L	0.00025	0.38%
Fe 239.562†	139.0	0.308	mg/L	0.0071	0.308	mg/L	0.0071	2.32%
Mg 279.077†	144.4	0.190	mg/L	0.0025	0.190	mg/L	0.0025	1.34%
Mn 257.610†	2500.5	0.00573	mg/L	0.000074	0.00573	mg/L	0.000074	1.29%
Mo 202.031†	-0.1	-0.00003	mg/L	0.000555	-0.00003	mg/L	0.000555	>999.9%
Ni 231.604†	47.7	0.00158	mg/L	0.000446	0.00158	mg/L	0.000446	28.26%
Pb 220.353†	34.5	0.00424	mg/L	0.001554	0.00424	mg/L	0.001554	36.63%
Sb 206.836†	0.9	0.00176	mg/L	0.002566	0.00176	mg/L	0.002566	145.68%
Se 196.026†	2.2	0.00316	mg/L	0.005445	0.00316	mg/L	0.005445	172.16%
Si 251.611†	28465.6	0.843	mg/L	0.0151	0.843	mg/L	0.0151	1.79%
Sn 189.927†	14.6	0.00150	mg/L	0.000494	0.00150	mg/L	0.000494	32.92%
Ti 334.940†	11349.6	0.0158	mg/L	0.00196	0.0158	mg/L	0.00196	12.40%
Tl 190.801†	-2.7	0.00032	mg/L	0.002496	0.00032	mg/L	0.002496	771.60%
V 290.880†	117.9	0.00120	mg/L	0.000432	0.00120	mg/L	0.000432	35.84%
Zn 206.200†	542.9	0.0171	mg/L	0.00030	0.0171	mg/L	0.00030	1.77%
K 766.490†	1441.8	0.519	mg/L	0.0062	0.519	mg/L	0.0062	1.19%
Na 589.592†	7267.0	0.512	mg/L	0.0070	0.512	mg/L	0.0070	1.37%
Sr 407.771†	5158.0	0.00495	mg/L	0.000236	0.00495	mg/L	0.000236	4.77%
Li 670.784†	13.2	0.00076	mg/L	0.001200	0.00076	mg/L	0.001200	158.62%

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Sequence No.: 66 **Autosampler Location: 101**
Sample ID: L1102041218 **Date Collected: 2/21/2011 10:24:12 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041218

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102041218

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5140663.5						60451.51	1.18%
YRADIAL	315222.6						4582.25	1.45%
Ga 417.206	1263011.4						2263.10	0.18%
GaRADIAL	61107.3						1077.83	1.76%
Ag 328.068†	-22.5	-0.00077	mg/L	0.000868	-0.00077	mg/L	0.000868	113.17%
Al 396.153†	541.1	0.110	mg/L	0.0144	0.110	mg/L	0.0144	13.19%
As 188.979†	-0.0	-0.00039	mg/L	0.002771	-0.00039	mg/L	0.002771	706.43%
Ba 233.527†	74.7	0.00099	mg/L	0.000006	0.00099	mg/L	0.000006	0.60%
Be 234.861†	16.3	0.00002	mg/L	0.000026	0.00002	mg/L	0.000026	149.67%
B 249.677†	385.7	0.00885	mg/L	0.000111	0.00885	mg/L	0.000111	1.26%
Ca 227.546†	65.3	0.666	mg/L	0.0302	0.666	mg/L	0.0302	4.54%

Approved: February 22, 2011

Pierre Morris

Cd 228.802†	-0.9	-0.00018	mg/L	0.000084	-0.00018	mg/L	0.000084 47.89%
Co 228.616†	-6.1	-0.00037	mg/L	0.000302	-0.00037	mg/L	0.000302 81.83%
Cr 267.716†	295.8	0.00247	mg/L	0.000137	0.00247	mg/L	0.000137 5.55%
Cu 327.393†	7904.6	0.0553	mg/L	0.00124	0.0553	mg/L	0.00124 2.25%
Fe 239.562†	33.5	0.0764	mg/L	0.00351	0.0764	mg/L	0.00351 4.60%
Mg 279.077†	33.6	0.0572	mg/L	0.00404	0.0572	mg/L	0.00404 7.07%
Mn 257.610†	1583.5	0.00351	mg/L	0.000072	0.00351	mg/L	0.000072 2.06%
Mo 202.031†	5.1	0.00035	mg/L	0.000413	0.00035	mg/L	0.000413 117.55%
Ni 231.604†	60.0	0.00195	mg/L	0.000451	0.00195	mg/L	0.000451 23.16%
Pb 220.353†	18.3	0.00128	mg/L	0.001112	0.00128	mg/L	0.001112 87.09%
Sb 206.836†	-0.6	0.00083	mg/L	0.001057	0.00083	mg/L	0.001057 127.10%
Se 196.026†	1.7	0.00251	mg/L	0.001238	0.00251	mg/L	0.001238 49.31%
Si 251.611†	8743.4	0.257	mg/L	0.0060	0.257	mg/L	0.0060 2.35%
Sn 189.927†	15.2	0.00161	mg/L	0.000731	0.00161	mg/L	0.000731 45.34%
Ti 334.940†	3188.9	0.00445	mg/L	0.000097	0.00445	mg/L	0.000097 2.18%
Tl 190.801†	-4.1	-0.00058	mg/L	0.005874	-0.00058	mg/L	0.005874 >999.9%
V 290.880†	87.3	0.00098	mg/L	0.000273	0.00098	mg/L	0.000273 27.97%
Zn 206.200†	533.1	0.0168	mg/L	0.00014	0.0168	mg/L	0.00014 0.84%
K 766.490†	641.6	0.219	mg/L	0.0123	0.219	mg/L	0.0123 5.63%
Na 589.592†	2639.8	0.176	mg/L	0.0073	0.176	mg/L	0.0073 4.17%
Sr 407.771†	1396.6	0.00149	mg/L	0.000109	0.00149	mg/L	0.000109 7.33%
Li 670.784†	-42.2	0.00009	mg/L	0.000380	0.00009	mg/L	0.000380 413.29%

Sequence No.: 67 **Autosampler Location: 102**
Sample ID: L1102041219 **Date Collected: 2/21/2011 10:30:51 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041219

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041219

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5240173.0						93860.40	1.79%
YRADIAL	316129.9						1463.95	0.46%
Ga 417.206	1277312.4						25513.06	2.00%
GaRADIAL	61319.9						837.54	1.37%
Ag 328.068†	26.8	-0.00052	mg/L	0.000501	-0.00052	mg/L	0.000501	96.84%
Al 396.153†	286.0	0.0598	mg/L	0.00604	0.0598	mg/L	0.00604	10.09%
As 188.979†	0.6	0.00015	mg/L	0.003942	0.00015	mg/L	0.003942	>999.9%
Ba 233.527†	41.2	0.00040	mg/L	0.000088	0.00040	mg/L	0.000088	21.85%
Be 234.861†	9.4	0.00001	mg/L	0.000012	0.00001	mg/L	0.000012	107.47%
B 249.677†	315.3	0.00738	mg/L	0.000229	0.00738	mg/L	0.000229	3.10%
Ca 227.546†	27.2	0.302	mg/L	0.0545	0.302	mg/L	0.0545	18.07%
Cd 228.802†	2.0	-0.00001	mg/L	0.000158	-0.00001	mg/L	0.000158	>999.9%
Co 228.616†	1.0	0.00002	mg/L	0.000375	0.00002	mg/L	0.000375	>999.9%
Cr 267.716†	103.5	0.00076	mg/L	0.000114	0.00076	mg/L	0.000114	15.04%
Cu 327.393†	2309.3	0.0163	mg/L	0.00017	0.0163	mg/L	0.00017	1.04%
Fe 239.562†	15.6	0.0370	mg/L	0.00324	0.0370	mg/L	0.00324	8.76%
Mg 279.077†	7.1	0.0253	mg/L	0.00472	0.0253	mg/L	0.00472	18.67%
Mn 257.610†	285.9	0.00051	mg/L	0.000019	0.00051	mg/L	0.000019	3.76%
Mo 202.031†	-3.7	-0.00032	mg/L	0.000242	-0.00032	mg/L	0.000242	75.93%
Ni 231.604†	24.5	0.00088	mg/L	0.000207	0.00088	mg/L	0.000207	23.43%
Pb 220.353†	16.6	0.00098	mg/L	0.000807	0.00098	mg/L	0.000807	82.28%
Sb 206.836†	-1.7	0.00020	mg/L	0.001377	0.00020	mg/L	0.001377	704.52%
Se 196.026†	3.7	0.00381	mg/L	0.000821	0.00381	mg/L	0.000821	21.55%
Si 251.611†	4853.3	0.141	mg/L	0.0057	0.141	mg/L	0.0057	4.02%
Sn 189.927†	7.3	0.00021	mg/L	0.000317	0.00021	mg/L	0.000317	152.64%
Ti 334.940†	1432.1	0.00201	mg/L	0.000453	0.00201	mg/L	0.000453	22.55%
Tl 190.801†	-1.3	0.00113	mg/L	0.002615	0.00113	mg/L	0.002615	231.37%
V 290.880†	-74.6	-0.00013	mg/L	0.001084	-0.00013	mg/L	0.001084	844.63%
Zn 206.200†	217.4	0.00685	mg/L	0.000149	0.00685	mg/L	0.000149	2.17%
K 766.490†	244.6	0.0706	mg/L	0.01754	0.0706	mg/L	0.01754	24.85%
Na 589.592†	670.7	0.0330	mg/L	0.00529	0.0330	mg/L	0.00529	16.03%
Sr 407.771†	839.7	0.00098	mg/L	0.000030	0.00098	mg/L	0.000030	3.04%
Li 670.784†	-84.4	-0.00041	mg/L	0.001046	-0.00041	mg/L	0.001046	252.64%

Approved: February 22, 2011

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Sequence No.: 68 **Autosampler Location: 103**
Sample ID: L1102041220 **Date Collected: 2/21/2011 10:37:34 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041220

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041220

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5161392.3						73620.80	1.43%
YRADIAL	309363.2						10700.59	3.46%
Ga 417.206	1261383.0						1000.93	0.08%
GaRADIAL	60023.7						719.14	1.20%
Ag 328.068†	82.6	-0.00024	mg/L	0.000274	-0.00024	mg/L	0.000274	115.40%
Al 396.153†	216.7	0.0463	mg/L	0.00882	0.0463	mg/L	0.00882	19.03%
As 188.979†	-0.3	-0.00068	mg/L	0.000957	-0.00068	mg/L	0.000957	141.78%
Ba 233.527†	54.5	0.00064	mg/L	0.000090	0.00064	mg/L	0.000090	14.06%
Be 234.861†	5.3	0.00001	mg/L	0.000019	0.00001	mg/L	0.000019	333.16%
B 249.677†	242.1	0.00598	mg/L	0.000475	0.00598	mg/L	0.000475	7.95%
Ca 227.546†	30.0	0.329	mg/L	0.0514	0.329	mg/L	0.0514	15.65%
Cd 228.802†	3.7	0.00010	mg/L	0.000131	0.00010	mg/L	0.000131	135.04%
Co 228.616†	4.0	0.00018	mg/L	0.000252	0.00018	mg/L	0.000252	142.45%
Cr 267.716†	42.9	0.00022	mg/L	0.000070	0.00022	mg/L	0.000070	32.37%
Cu 327.393†	2409.1	0.0170	mg/L	0.00049	0.0170	mg/L	0.00049	2.86%
Fe 239.562†	12.3	0.0297	mg/L	0.00575	0.0297	mg/L	0.00575	19.38%
Mg 279.077†	2.0	0.0193	mg/L	0.00461	0.0193	mg/L	0.00461	23.93%
Mn 257.610†	437.4	0.00085	mg/L	0.000021	0.00085	mg/L	0.000021	2.46%
Mo 202.031†	-3.9	-0.00034	mg/L	0.000239	-0.00034	mg/L	0.000239	71.42%
Ni 231.604†	39.5	0.00133	mg/L	0.000315	0.00133	mg/L	0.000315	23.62%
Pb 220.353†	12.6	0.00026	mg/L	0.000627	0.00026	mg/L	0.000627	241.02%
Sb 206.836†	0.9	0.00185	mg/L	0.000444	0.00185	mg/L	0.000444	23.95%
Se 196.026†	-2.6	-0.00067	mg/L	0.001532	-0.00067	mg/L	0.001532	228.67%
Si 251.611†	3631.9	0.105	mg/L	0.0022	0.105	mg/L	0.0022	2.09%
Sn 189.927†	4.4	-0.00031	mg/L	0.000486	-0.00031	mg/L	0.000486	157.62%
Ti 334.940†	968.3	0.00136	mg/L	0.000259	0.00136	mg/L	0.000259	18.96%
Tl 190.801†	-1.5	0.00101	mg/L	0.003149	0.00101	mg/L	0.003149	312.09%
V 290.880†	30.0	0.00058	mg/L	0.001006	0.00058	mg/L	0.001006	172.13%
Zn 206.200†	227.5	0.00717	mg/L	0.000240	0.00717	mg/L	0.000240	3.34%
K 766.490†	606.4	0.206	mg/L	0.0143	0.206	mg/L	0.0143	6.92%
Na 589.592†	3267.7	0.221	mg/L	0.0122	0.221	mg/L	0.0122	5.50%
Sr 407.771†	898.4	0.00103	mg/L	0.000040	0.00103	mg/L	0.000040	3.90%
Li 670.784†	24.1	0.00089	mg/L	0.002259	0.00089	mg/L	0.002259	254.58%

Sequence No.: 69 **Autosampler Location: 104**
Sample ID: L1102041221 **Date Collected: 2/21/2011 10:44:14 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041221

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041221

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5199299.6						39708.40	0.76%
YRADIAL	310708.6						4758.30	1.53%
Ga 417.206	1278490.6						25225.52	1.97%
GaRADIAL	60266.3						964.25	1.60%
Ag 328.068†	78.2	-0.00027	mg/L	0.000538	-0.00027	mg/L	0.000538	198.46%
Al 396.153†	254.3	0.0537	mg/L	0.00578	0.0537	mg/L	0.00578	10.76%
As 188.979†	1.6	0.00114	mg/L	0.001883	0.00114	mg/L	0.001883	164.61%

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Ba 233.527†	47.4	0.00052 mg/L	0.000049	0.00052 mg/L	0.000049	9.55%
Be 234.861†	27.7	0.00000 mg/L	0.000008	0.00000 mg/L	0.000008	422.00%
B 249.677†	166.6	0.00566 mg/L	0.000316	0.00566 mg/L	0.000316	5.59%
Ca 227.546†	36.1	0.387 mg/L	0.0170	0.387 mg/L	0.0170	4.38%
Cd 228.802†	4.7	0.00014 mg/L	0.000137	0.00014 mg/L	0.000137	96.02%
Co 228.616†	1.2	0.00002 mg/L	0.000383	0.00002 mg/L	0.000383	>999.9%
Cr 267.716†	275.2	0.00229 mg/L	0.000085	0.00229 mg/L	0.000085	3.70%
Cu 327.393†	3013.6	0.0212 mg/L	0.00055	0.0212 mg/L	0.00055	2.59%
Fe 239.562†	121.1	0.269 mg/L	0.0068	0.269 mg/L	0.0068	2.51%
Mg 279.077†	16.4	0.0365 mg/L	0.00473	0.0365 mg/L	0.00473	12.97%
Mn 257.610†	1286.4	0.00281 mg/L	0.000021	0.00281 mg/L	0.000021	0.76%
Mo 202.031†	3.8	0.00026 mg/L	0.000251	0.00026 mg/L	0.000251	95.34%
Ni 231.604†	28.9	0.00102 mg/L	0.000200	0.00102 mg/L	0.000200	19.71%
Pb 220.353†	11.6	0.00007 mg/L	0.001171	0.00007 mg/L	0.001171	>999.9%
Sb 206.836†	-1.3	0.00043 mg/L	0.001525	0.00043 mg/L	0.001525	354.48%
Se 196.026†	-0.9	0.00069 mg/L	0.004307	0.00069 mg/L	0.004307	623.24%
Si 251.611†	4824.4	0.140 mg/L	0.0018	0.140 mg/L	0.0018	1.26%
Sn 189.927†	8.4	0.00040 mg/L	0.000720	0.00040 mg/L	0.000720	179.53%
Ti 334.940†	2553.6	0.00357 mg/L	0.001952	0.00357 mg/L	0.001952	54.69%
Tl 190.801†	-5.5	-0.00137 mg/L	0.001464	-0.00137 mg/L	0.001464	107.10%
V 290.880†	90.3	0.00101 mg/L	0.000479	0.00101 mg/L	0.000479	47.33%
Zn 206.200†	202.8	0.00639 mg/L	0.000057	0.00639 mg/L	0.000057	0.88%
K 766.490†	1039.9	0.369 mg/L	0.0361	0.369 mg/L	0.0361	9.78%
Na 589.592†	4366.5	0.301 mg/L	0.0030	0.301 mg/L	0.0030	1.01%
Sr 407.771†	1052.2	0.00115 mg/L	0.000055	0.00115 mg/L	0.000055	4.79%
Li 670.784†	-142.1	-0.00110 mg/L	0.000334	-0.00110 mg/L	0.000334	30.27%

Sequence No.: 70 **Autosampler Location: 105**
Sample ID: L1102041222 **Date Collected: 2/21/2011 10:50:56 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102041222

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102041222

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5313165.3						43269.00	0.81%
YRADIAL	317063.0						7408.68	2.34%
Ga 417.206	1308100.3						33875.08	2.59%
GaRADIAL	61438.6						1937.00	3.15%
Ag 328.068†	101.2	-0.00014	mg/L	0.000319	-0.00014	mg/L	0.000319	222.00%
Al 396.153†	85.9	0.0209	mg/L	0.00513	0.0209	mg/L	0.00513	24.62%
As 188.979†	1.1	0.00065	mg/L	0.000587	0.00065	mg/L	0.000587	90.07%
Ba 233.527†	10.3	-0.00014	mg/L	0.000037	-0.00014	mg/L	0.000037	27.38%
Be 234.861†	24.3	0.00004	mg/L	0.000038	0.00004	mg/L	0.000038	89.71%
B 249.677†	247.0	0.00603	mg/L	0.000280	0.00603	mg/L	0.000280	4.64%
Ca 227.546†	6.2	0.101	mg/L	0.0111	0.101	mg/L	0.0111	10.96%
Cd 228.802†	1.9	-0.00002	mg/L	0.000163	-0.00002	mg/L	0.000163	990.54%
Co 228.616†	1.7	0.00005	mg/L	0.000124	0.00005	mg/L	0.000124	226.82%
Cr 267.716†	95.5	0.00069	mg/L	0.000130	0.00069	mg/L	0.000130	18.87%
Cu 327.393†	665.9	0.00484	mg/L	0.000594	0.00484	mg/L	0.000594	12.28%
Fe 239.562†	5.0	0.0138	mg/L	0.00291	0.0138	mg/L	0.00291	21.11%
Mg 279.077†	-1.6	0.0149	mg/L	0.00459	0.0149	mg/L	0.00459	30.85%
Mn 257.610†	105.5	0.00008	mg/L	0.000018	0.00008	mg/L	0.000018	23.28%
Mo 202.031†	0.2	-0.00002	mg/L	0.000424	-0.00002	mg/L	0.000424	>999.9%
Ni 231.604†	13.9	0.00056	mg/L	0.000456	0.00056	mg/L	0.000456	80.80%
Pb 220.353†	13.2	0.00036	mg/L	0.001150	0.00036	mg/L	0.001150	318.76%
Sb 206.836†	-1.6	0.00020	mg/L	0.001877	0.00020	mg/L	0.001877	936.26%
Se 196.026†	1.9	0.00250	mg/L	0.000945	0.00250	mg/L	0.000945	37.75%
Si 251.611†	1406.8	0.0385	mg/L	0.00097	0.0385	mg/L	0.00097	2.51%
Sn 189.927†	5.6	-0.00010	mg/L	0.000319	-0.00010	mg/L	0.000319	307.05%
Ti 334.940†	333.2	0.00048	mg/L	0.000162	0.00048	mg/L	0.000162	33.91%
Tl 190.801†	2.5	0.00340	mg/L	0.002132	0.00340	mg/L	0.002132	62.62%
V 290.880†	-66.6	-0.00008	mg/L	0.000570	-0.00008	mg/L	0.000570	750.15%
Zn 206.200†	81.9	0.00257	mg/L	0.000112	0.00257	mg/L	0.000112	4.35%
K 766.490†	420.2	0.136	mg/L	0.0075	0.136	mg/L	0.0075	5.47%

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Na 589.592†	1454.3	0.0899	mg/L	0.00633	0.0899	mg/L	0.00633 7.04%
Sr 407.771†	238.7	0.00042	mg/L	0.000037	0.00042	mg/L	0.000037 8.72%
Li 670.784†	24.8	0.00090	mg/L	0.000849	0.00090	mg/L	0.000849 94.81%

Sequence No.: 71 **Autosampler Location: 106**
Sample ID: L1102043101 **Date Collected: 2/21/2011 10:57:36 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043101

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: L1102043101

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5255419.9						28835.65	0.55%
YRADIAL	318419.8						1083.25	0.34%
Ga 417.206	1272147.8						1679.39	0.13%
GaRADIAL	61474.8						886.60	1.44%
Ag 328.068†	57.3	-0.00036	mg/L	0.000837	-0.00036	mg/L	0.000837	230.99%
Al 396.153†	19.2	0.00785	mg/L	0.009235	0.00785	mg/L	0.009235	117.59%
As 188.979†	0.2	-0.00019	mg/L	0.001006	-0.00019	mg/L	0.001006	521.78%
Ba 233.527†	-1.7	-0.00034	mg/L	0.000101	-0.00034	mg/L	0.000101	29.39%
Be 234.861†	8.6	0.00002	mg/L	0.000020	0.00002	mg/L	0.000020	119.88%
B 249.677†	90.4	0.00305	mg/L	0.000126	0.00305	mg/L	0.000126	4.13%
Ca 227.546†	-3.1	0.0121	mg/L	0.03494	0.0121	mg/L	0.03494	288.55%
Cd 228.802†	0.5	-0.00010	mg/L	0.000112	-0.00010	mg/L	0.000112	116.27%
Co 228.616†	1.6	0.00005	mg/L	0.000232	0.00005	mg/L	0.000232	458.13%
Cr 267.716†	23.8	0.00005	mg/L	0.000064	0.00005	mg/L	0.000064	135.36%
Cu 327.393†	36.3	0.00045	mg/L	0.000622	0.00045	mg/L	0.000622	137.79%
Fe 239.562†	0.8	0.00442	mg/L	0.001308	0.00442	mg/L	0.001308	29.62%
Mg 279.077†	-10.3	0.00437	mg/L	0.000693	0.00437	mg/L	0.000693	15.86%
Mn 257.610†	-23.3	-0.00023	mg/L	0.000015	-0.00023	mg/L	0.000015	6.33%
Mo 202.031†	2.2	0.00013	mg/L	0.000123	0.00013	mg/L	0.000123	96.88%
Ni 231.604†	2.7	0.00024	mg/L	0.000266	0.00024	mg/L	0.000266	112.88%
Pb 220.353†	7.5	-0.00066	mg/L	0.000822	-0.00066	mg/L	0.000822	124.91%
Sb 206.836†	2.0	0.00253	mg/L	0.000421	0.00253	mg/L	0.000421	16.61%
Se 196.026†	6.6	0.00581	mg/L	0.003189	0.00581	mg/L	0.003189	54.88%
Si 251.611†	292.6	0.00540	mg/L	0.000362	0.00540	mg/L	0.000362	6.71%
Sn 189.927†	7.9	0.00030	mg/L	0.000656	0.00030	mg/L	0.000656	215.50%
Ti 334.940†	-65.6	-0.00008	mg/L	0.000119	-0.00008	mg/L	0.000119	154.98%
Tl 190.801†	-10.5	-0.00443	mg/L	0.003395	-0.00443	mg/L	0.003395	76.65%
V 290.880†	-87.6	-0.00022	mg/L	0.001051	-0.00022	mg/L	0.001051	478.48%
Zn 206.200†	43.9	0.00137	mg/L	0.000050	0.00137	mg/L	0.000050	3.63%
K 766.490†	-73.3	-0.0487	mg/L	0.01689	-0.0487	mg/L	0.01689	34.70%
Na 589.592†	149.7	-0.00479	mg/L	0.011234	-0.00479	mg/L	0.011234	234.73%
Sr 407.771†	16.5	0.00022	mg/L	0.000064	0.00022	mg/L	0.000064	29.69%
Li 670.784†	-60.4	-0.00013	mg/L	0.000277	-0.00013	mg/L	0.000277	220.14%

Sequence No.: 72 **Autosampler Location: 107**
Sample ID: L1102043401 **Date Collected: 2/21/2011 11:04:16 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: L1102043401

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: L1102043401

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	5096415.1						22953.31	0.45%
YRADIAL	317363.9						1449.48	0.46%
Ga 417.206	1277036.0						391.74	0.03%

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GaRADIAL	62488.8				1060.87	1.70%
Ag 328.068†	167.1	0.00016 mg/L	0.000344	0.00016 mg/L	0.000344	210.88%
Al 396.153†	6.9	0.00547 mg/L	0.005888	0.00547 mg/L	0.005888	107.69%
As 188.979†	1.8	0.00112 mg/L	0.002322	0.00112 mg/L	0.002322	207.41%
Ba 233.527†	3444.9	0.0599 mg/L	0.00021	0.0599 mg/L	0.00021	0.35%
Be 234.861†	20.3	0.00004 mg/L	0.000033	0.00004 mg/L	0.000033	89.03%
B 249.677†	1006.9	0.0204 mg/L	0.00069	0.0204 mg/L	0.00069	3.41%
Ca 227.546†	1179.4	11.3 mg/L	0.04	11.3 mg/L	0.04	0.33%
Cd 228.802†	1.3	-0.00006 mg/L	0.000194	-0.00006 mg/L	0.000194	316.72%
Co 228.616†	-0.8	-0.00009 mg/L	0.000219	-0.00009 mg/L	0.000219	232.06%
Cr 267.716†	223.3	0.00183 mg/L	0.000121	0.00183 mg/L	0.000121	6.60%
Cu 327.393†	102.2	0.00091 mg/L	0.001159	0.00091 mg/L	0.001159	127.25%
Fe 239.562†	1.3	0.00547 mg/L	0.003364	0.00547 mg/L	0.003364	61.56%
Mg 279.077†	4291.1	5.18 mg/L	0.053	5.18 mg/L	0.053	1.02%
Mn 257.610†	1065.7	0.00481 mg/L	0.000019	0.00481 mg/L	0.000019	0.40%
Mo 202.031†	-2.6	-0.00023 mg/L	0.000405	-0.00023 mg/L	0.000405	173.31%
Ni 231.604†	29.0	0.00101 mg/L	0.000262	0.00101 mg/L	0.000262	25.95%
Pb 220.353†	7.1	-0.00019 mg/L	0.000263	-0.00019 mg/L	0.000263	138.75%
Sb 206.836†	3.5	0.00347 mg/L	0.002067	0.00347 mg/L	0.002067	59.66%
Se 196.026†	-9.0	-0.00246 mg/L	0.001646	-0.00246 mg/L	0.001646	66.92%
Si 251.611†	443179.3	13.2 mg/L	0.06	13.2 mg/L	0.06	0.43%
Sn 189.927†	10.0	0.00069 mg/L	0.000863	0.00069 mg/L	0.000863	124.53%
Ti 334.940†	-153.2	-0.00009 mg/L	0.000045	-0.00009 mg/L	0.000045	52.58%
Tl 190.801†	24.3	0.0156 mg/L	0.00409	0.0156 mg/L	0.00409	26.22%
V 290.880†	-210.9	-0.00106 mg/L	0.000610	-0.00106 mg/L	0.000610	57.38%
Zn 206.200†	90.8	0.00286 mg/L	0.000071	0.00286 mg/L	0.000071	2.49%
K 766.490†	4839.4	1.79 mg/L	0.030	1.79 mg/L	0.030	1.65%
Na 589.592†	109675.9	7.95 mg/L	0.037	7.95 mg/L	0.037	0.47%
Sr 407.771†	114954.0	0.107 mg/L	0.0046	0.107 mg/L	0.0046	4.30%
Li 670.784†	313.1	0.00435 mg/L	0.001646	0.00435 mg/L	0.001646	37.82%

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Sequence No.: 73 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 11:11:01 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4884783.7						15527.46	0.32%
YRADIAL	299088.7						3932.51	1.31%
Ga 417.206	1175127.0						6312.70	0.54%
GaRADIAL	58233.2						120.07	0.21%
Ag 328.068†	80983.1	0.405	mg/L	0.0034	0.405	mg/L	0.0034	0.84%
QC value within limits for Ag 328.068 Recovery = 101.24%								
Al 396.153†	52339.0	10.2	mg/L	0.05	10.2	mg/L	0.05	0.46%
QC value within limits for Al 396.153 Recovery = 101.84%								
As 188.979†	434.7	0.405	mg/L	0.0019	0.405	mg/L	0.0019	0.46%
QC value within limits for As 188.979 Recovery = 101.31%								
Ba 233.527†	58867.9	1.03	mg/L	0.018	1.03	mg/L	0.018	1.70%
QC value within limits for Ba 233.527 Recovery = 103.21%								
Be 234.861†	29053.1	0.0519	mg/L	0.00030	0.0519	mg/L	0.00030	0.58%
QC value within limits for Be 234.861 Recovery = 103.87%								
B 249.677†	26704.7	0.512	mg/L	0.0066	0.512	mg/L	0.0066	1.28%
QC value within limits for B 249.677 Recovery = 102.31%								
Ca 227.546†	1049.1	10.4	mg/L	0.10	10.4	mg/L	0.10	0.98%
QC value within limits for Ca 227.546 Recovery = 103.92%								
Cd 228.802†	888.2	0.0512	mg/L	0.00014	0.0512	mg/L	0.00014	0.27%
QC value within limits for Cd 228.802 Recovery = 102.41%								
Co 228.616†	3861.2	0.204	mg/L	0.0010	0.204	mg/L	0.0010	0.51%
QC value within limits for Co 228.616 Recovery = 101.86%								
Cr 267.716†	57167.3	0.511	mg/L	0.0093	0.511	mg/L	0.0093	1.82%
QC value within limits for Cr 267.716 Recovery = 102.15%								
Cu 327.393†	73314.3	0.513	mg/L	0.0066	0.513	mg/L	0.0066	1.29%
QC value within limits for Cu 327.393 Recovery = 102.62%								

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Fe 239.562†	1809.8	3.97 mg/L	0.008	3.97 mg/L	0.008	0.21%
QC value within limits for Fe 239.562 Recovery = 99.37%						
Mg 279.077†	8213.2	9.91 mg/L	0.019	9.91 mg/L	0.019	0.19%
QC value within limits for Mg 279.077 Recovery = 99.07%						
Mn 257.610†	224336.0	0.518 mg/L	0.0094	0.518 mg/L	0.0094	1.81%
QC value within limits for Mn 257.610 Recovery = 103.53%						
Mo 202.031†	13714.2	1.04 mg/L	0.007	1.04 mg/L	0.007	0.67%
QC value within limits for Mo 202.031 Recovery = 104.48%						
Ni 231.604†	17157.1	0.513 mg/L	0.0084	0.513 mg/L	0.0084	1.64%
QC value within limits for Ni 231.604 Recovery = 102.66%						
Pb 220.353†	2959.0	0.538 mg/L	0.0027	0.538 mg/L	0.0027	0.50%
QC value within limits for Pb 220.353 Recovery = 107.64%						
Sb 206.836†	1903.4	1.22 mg/L	0.002	1.22 mg/L	0.002	0.14%
QC value within limits for Sb 206.836 Recovery = 101.55%						
Se 196.026†	561.5	0.405 mg/L	0.0098	0.405 mg/L	0.0098	2.42%
QC value within limits for Se 196.026 Recovery = 101.14%						
Si 251.611†	171802.3	5.09 mg/L	0.046	5.09 mg/L	0.046	0.91%
QC value within limits for Si 251.611 Recovery = 101.76%						
Sn 189.927†	5868.7	1.05 mg/L	0.005	1.05 mg/L	0.005	0.49%
QC value within limits for Sn 189.927 Recovery = 104.84%						
Ti 334.940†	730810.4	1.02 mg/L	0.003	1.02 mg/L	0.003	0.28%
QC value within limits for Ti 334.940 Recovery = 101.60%						
Tl 190.801†	848.8	0.527 mg/L	0.0032	0.527 mg/L	0.0032	0.61%
QC value within limits for Tl 190.801 Recovery = 105.34%						
V 290.880†	149693.1	1.02 mg/L	0.021	1.02 mg/L	0.021	2.10%
QC value within limits for V 290.880 Recovery = 102.01%						
Zn 206.200†	32780.1	1.04 mg/L	0.020	1.04 mg/L	0.020	1.93%
QC value within limits for Zn 206.200 Recovery = 103.55%						
K 766.490†	134485.2	50.3 mg/L	0.38	50.3 mg/L	0.38	0.76%
QC value within limits for K 766.490 Recovery = 100.65%						
Na 589.592†	689750.1	50.2 mg/L	0.23	50.2 mg/L	0.23	0.46%
QC value within limits for Na 589.592 Recovery = 100.48%						
Sr 407.771†	1088651.9	1.01 mg/L	0.059	1.01 mg/L	0.059	5.87%
QC value within limits for Sr 407.771 Recovery = 101.06%						
Li 670.784†	83728.6	1.00 mg/L	0.002	1.00 mg/L	0.002	0.20%
QC value within limits for Li 670.784 Recovery = 100.45%						

All analyte(s) passed QC.

Sequence No.: 74 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 11:17:42 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5198035.5						63027.48	1.21%
YRADIAL	317745.4						6637.96	2.09%
Ga 417.206	1254098.8						10856.00	0.87%
GaRADIAL	60964.8						237.01	0.39%
Ag 328.068†	126.3	-0.00002	mg/L	0.000276	-0.00002	mg/L	0.000276	>999.9%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-88.2	-0.0131	mg/L	0.00795	-0.0131	mg/L	0.00795	60.87%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	0.1	-0.00024	mg/L	0.003174	-0.00024	mg/L	0.003174	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	-2.2	-0.00036	mg/L	0.000107	-0.00036	mg/L	0.000107	30.02%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	1.7	0.00001	mg/L	0.000031	0.00001	mg/L	0.000031	564.49%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	76.3	0.00279	mg/L	0.000370	0.00279	mg/L	0.000370	13.24%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-3.2	0.0104	mg/L	0.01506	0.0104	mg/L	0.01506	144.41%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	4.0	0.00011	mg/L	0.000062	0.00011	mg/L	0.000062	57.19%

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   QC value within limits for Cd 228.802  Recovery = Not calculated
Co 228.616†              -2.4    -0.00016 mg/L      0.000081    -0.00016 mg/L      0.000081  50.56%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 267.716†              -1.0    -0.00017 mg/L      0.000091    -0.00017 mg/L      0.000091  52.48%
   QC value within limits for Cr 267.716  Recovery = Not calculated
Cu 327.393†             -33.0    -0.00003 mg/L      0.000267    -0.00003 mg/L      0.000267 850.96%
   QC value within limits for Cu 327.393  Recovery = Not calculated
Fe 239.562†              -0.3     0.00219 mg/L      0.003126     0.00219 mg/L      0.003126 142.53%
   QC value within limits for Fe 239.562  Recovery = Not calculated
Mg 279.077†              -8.9     0.00616 mg/L      0.008193     0.00616 mg/L      0.008193 132.97%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†               1.0    -0.00018 mg/L      0.000024    -0.00018 mg/L      0.000024  13.53%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†               4.6     0.00031 mg/L      0.000405     0.00031 mg/L      0.000405 130.22%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Ni 231.604†              -7.7    -0.00008 mg/L      0.000055    -0.00008 mg/L      0.000055  71.83%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               6.7    -0.00080 mg/L      0.001958    -0.00080 mg/L      0.001958 244.87%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†              -2.2    -0.00011 mg/L      0.002819    -0.00011 mg/L      0.002819 >999.9%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               0.5     0.00144 mg/L      0.002631     0.00144 mg/L      0.002631 182.34%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†               0.6    -0.00328 mg/L      0.000259    -0.00328 mg/L      0.000259   7.90%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†              11.8     0.00101 mg/L      0.000648     0.00101 mg/L      0.000648  64.28%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 334.940†              -2.8     0.00001 mg/L      0.000020     0.00001 mg/L      0.000020 183.46%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†              -5.8    -0.00161 mg/L      0.000762    -0.00161 mg/L      0.000762  47.43%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†             -172.1    -0.00080 mg/L      0.000542    -0.00080 mg/L      0.000542  68.07%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†              -0.2    -0.00002 mg/L      0.000104    -0.00002 mg/L      0.000104 574.42%
   QC value within limits for Zn 206.200  Recovery = Not calculated
K 766.490†              118.2      0.0232 mg/L       0.04064      0.0232 mg/L       0.04064 174.98%
   QC value within limits for K 766.490  Recovery = Not calculated
Na 589.592†             105.2    -0.00802 mg/L      0.013279    -0.00802 mg/L      0.013279 165.66%
   QC value within limits for Na 589.592  Recovery = Not calculated
Sr 407.771†              -49.1     0.00016 mg/L      0.000059     0.00016 mg/L      0.000059  38.06%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Li 670.784†              -89.7    -0.00048 mg/L      0.000786    -0.00048 mg/L      0.000786 164.78%
   QC value within limits for Li 670.784  Recovery = Not calculated
All analyte(s) passed QC.
```

Sequence No.: 75 **Autosampler Location: 108**
Sample ID: PDM **Date Collected: 2/21/2011 11:24:18 PM**
Analyst: PDM **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: PDM

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: PDM

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4598441.9						42510.06	0.92%
YRADIAL	286367.5						2210.03	0.77%
Ga 417.206	1119640.9						12866.64	1.15%
GaRADIAL	56647.9						338.81	0.60%
Ag 328.068†	990.7	-0.00066	mg/L	0.000925	-0.00066	mg/L	0.000925	140.09%
Al 396.153†	1300825.9	253	mg/L	4.4	253	mg/L	4.4	1.73%
As 188.979†	11.3	0.00067	mg/L	0.004559	0.00067	mg/L	0.004559	683.45%
Ba 233.527†	109.2	-0.00078	mg/L	0.000278	-0.00078	mg/L	0.000278	35.59%
Be 234.861†	11184.1	-0.00037	mg/L	0.001602	-0.00037	mg/L	0.001602	427.93%
B 249.677†	-9939.5	-0.00720	mg/L	0.017469	-0.00720	mg/L	0.017469	242.52%
Ca 227.546†	29915.3	286	mg/L	4.0	286	mg/L	4.0	1.41%
Cd 228.802†	6.6	0.00008	mg/L	0.000172	0.00008	mg/L	0.000172	218.44%

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Co 228.616†	30.7	-0.00099	mg/L	0.000120	-0.00099	mg/L	0.000120 12.19%
Cr 267.716†	597.4	-0.00109	mg/L	0.000241	-0.00109	mg/L	0.000241 22.21%
Cu 327.393†	-1565.9	0.00070	mg/L	0.000622	0.00070	mg/L	0.000622 89.00%
Fe 239.562†	45242.3	99.3	mg/L	1.79	99.3	mg/L	1.79 1.80%
Mg 279.077†	210042.3	253	mg/L	3.8	253	mg/L	3.8 1.51%
Mn 257.610†	-80.8	0.00044	mg/L	0.000467	0.00044	mg/L	0.000467 106.06%
Mo 202.031†	-2.5	0.00468	mg/L	0.001330	0.00468	mg/L	0.001330 28.42%
Ni 231.604†	-73.3	-0.00210	mg/L	0.000529	-0.00210	mg/L	0.000529 25.12%
Pb 220.353†	-100.4	-0.00245	mg/L	0.002341	-0.00245	mg/L	0.002341 95.71%
Sb 206.836†	16.4	0.0117	mg/L	0.00390	0.0117	mg/L	0.00390 33.42%
Se 196.026†	-102.1	0.00818	mg/L	0.003141	0.00818	mg/L	0.003141 38.39%
Si 251.611†	254.3	0.00427	mg/L	0.000523	0.00427	mg/L	0.000523 12.26%
Sn 189.927†	-19.2	-0.00453	mg/L	0.002191	-0.00453	mg/L	0.002191 48.40%
Ti 334.940†	-2481.6	-0.00058	mg/L	0.000608	-0.00058	mg/L	0.000608 104.28%
Tl 190.801†	165.5	0.0763	mg/L	0.00328	0.0763	mg/L	0.00328 4.30%
V 290.880†	-985.9	0.00128	mg/L	0.005128	0.00128	mg/L	0.005128 399.08%
Zn 206.200†	189.7	0.00370	mg/L	0.000460	0.00370	mg/L	0.000460 12.41%
K 766.490†	83.5	0.0102	mg/L	0.05112	0.0102	mg/L	0.05112 502.89%
Na 589.592†	334.8	0.00865	mg/L	0.007655	0.00865	mg/L	0.007655 88.55%
Sr 407.771†	14327.3	0.00159	mg/L	0.000350	0.00159	mg/L	0.000350 22.10%
Li 670.784†	143.6	0.00232	mg/L	0.000406	0.00232	mg/L	0.000406 17.49%

Sequence No.: 76 **Autosampler Location: 6**
Sample ID: CCV **Date Collected: 2/21/2011 11:29:59 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	168.0 kPa	0.50 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 371.029	4971503.3						26448.01	0.53%
YRADIAL	298565.7						4274.51	1.43%
Ga 417.206	1189366.3						19511.45	1.64%
GaRADIAL	57611.9						407.30	0.71%
Ag 328.068†	79950.9	0.400	mg/L	0.0124	0.400	mg/L	0.0124	3.10%
QC value within limits for Ag 328.068 Recovery = 99.94%								
Al 396.153†	52414.5	10.2	mg/L	0.07	10.2	mg/L	0.07	0.66%
QC value within limits for Al 396.153 Recovery = 101.99%								
As 188.979†	430.4	0.401	mg/L	0.0100	0.401	mg/L	0.0100	2.49%
QC value within limits for As 188.979 Recovery = 100.31%								
Ba 233.527†	58117.7	1.02	mg/L	0.016	1.02	mg/L	0.016	1.59%
QC value within limits for Ba 233.527 Recovery = 101.90%								
Be 234.861†	28811.4	0.0515	mg/L	0.00155	0.0515	mg/L	0.00155	3.02%
QC value within limits for Be 234.861 Recovery = 102.96%								
B 249.677†	26236.0	0.503	mg/L	0.0160	0.503	mg/L	0.0160	3.18%
QC value within limits for B 249.677 Recovery = 100.57%								
Ca 227.546†	1035.7	10.3	mg/L	0.16	10.3	mg/L	0.16	1.59%
QC value within limits for Ca 227.546 Recovery = 102.61%								
Cd 228.802†	873.8	0.0504	mg/L	0.00110	0.0504	mg/L	0.00110	2.18%
QC value within limits for Cd 228.802 Recovery = 100.73%								
Co 228.616†	3808.0	0.201	mg/L	0.0011	0.201	mg/L	0.0011	0.57%
QC value within limits for Co 228.616 Recovery = 100.44%								
Cr 267.716†	56508.8	0.505	mg/L	0.0082	0.505	mg/L	0.0082	1.62%
QC value within limits for Cr 267.716 Recovery = 100.97%								
Cu 327.393†	72173.1	0.505	mg/L	0.0168	0.505	mg/L	0.0168	3.33%
QC value within limits for Cu 327.393 Recovery = 101.03%								
Fe 239.562†	1826.5	4.01	mg/L	0.020	4.01	mg/L	0.020	0.51%
QC value within limits for Fe 239.562 Recovery = 100.28%								
Mg 279.077†	8274.0	9.98	mg/L	0.044	9.98	mg/L	0.044	0.44%
QC value within limits for Mg 279.077 Recovery = 99.80%								
Mn 257.610†	221332.7	0.511	mg/L	0.0086	0.511	mg/L	0.0086	1.68%
QC value within limits for Mn 257.610 Recovery = 102.15%								
Mo 202.031†	13557.5	1.03	mg/L	0.004	1.03	mg/L	0.004	0.40%
QC value within limits for Mo 202.031 Recovery = 103.28%								
Ni 231.604†	16924.1	0.506	mg/L	0.0087	0.506	mg/L	0.0087	1.71%

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QC value within limits for Ni 231.604 Recovery = 101.27%
Pb 220.353† 2920.4 0.531 mg/L 0.0010 0.531 mg/L 0.0010 0.19%
QC value within limits for Pb 220.353 Recovery = 106.24%
Sb 206.836† 1886.4 1.21 mg/L 0.019 1.21 mg/L 0.019 1.61%
QC value within limits for Sb 206.836 Recovery = 100.64%
Se 196.026† 557.0 0.401 mg/L 0.0150 0.401 mg/L 0.0150 3.74%
QC value within limits for Se 196.026 Recovery = 100.33%
Si 251.611† 169476.0 5.02 mg/L 0.152 5.02 mg/L 0.152 3.02%
QC value within limits for Si 251.611 Recovery = 100.38%
Sn 189.927† 5776.3 1.03 mg/L 0.005 1.03 mg/L 0.005 0.50%
QC value within limits for Sn 189.927 Recovery = 103.19%
Ti 334.940† 731863.0 1.02 mg/L 0.002 1.02 mg/L 0.002 0.21%
QC value within limits for Ti 334.940 Recovery = 101.75%
Tl 190.801† 830.7 0.516 mg/L 0.0033 0.516 mg/L 0.0033 0.63%
QC value within limits for Tl 190.801 Recovery = 103.16%
V 290.880† 147018.7 1.00 mg/L 0.017 1.00 mg/L 0.017 1.71%
QC value within limits for V 290.880 Recovery = 100.19%
Zn 206.200† 32564.9 1.03 mg/L 0.012 1.03 mg/L 0.012 1.20%
QC value within limits for Zn 206.200 Recovery = 102.87%
K 766.490† 134461.1 50.3 mg/L 0.44 50.3 mg/L 0.44 0.87%
QC value within limits for K 766.490 Recovery = 100.63%
Na 589.592† 691132.2 50.3 mg/L 0.39 50.3 mg/L 0.39 0.78%
QC value within limits for Na 589.592 Recovery = 100.68%
Sr 407.771† 1037914.2 0.963 mg/L 0.0907 0.963 mg/L 0.0907 9.41%
QC value within limits for Sr 407.771 Recovery = 96.34%
Li 670.784† 83477.7 1.00 mg/L 0.002 1.00 mg/L 0.002 0.17%
QC value within limits for Li 670.784 Recovery = 100.15%
All analyte(s) passed QC.

Sequence No.: 77 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 2/21/2011 11:36:36 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	169.0 kPa	0.50 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 371.029	5208637.6						38178.56	0.73%
YRADIAL	309160.3						2121.33	0.69%
Ga 417.206	1247897.4						34375.63	2.75%
GaRADIAL	59184.3						743.69	1.26%
Ag 328.068†	276.3	0.00073	mg/L	0.000271	0.00073	mg/L	0.000271	37.06%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	-70.1	-0.00953	mg/L	0.006892	-0.00953	mg/L	0.006892	72.32%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.0	-0.00040	mg/L	0.003183	-0.00040	mg/L	0.003183	789.95%
QC value within limits for As 188.979 Recovery = Not calculated								
Ba 233.527†	3.3	-0.00026	mg/L	0.000027	-0.00026	mg/L	0.000027	10.37%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 234.861†	-17.6	-0.00003	mg/L	0.000026	-0.00003	mg/L	0.000026	89.55%
QC value within limits for Be 234.861 Recovery = Not calculated								
B 249.677†	180.0	0.00475	mg/L	0.000366	0.00475	mg/L	0.000366	7.70%
QC value within limits for B 249.677 Recovery = Not calculated								
Ca 227.546†	-3.4	0.00896	mg/L	0.067985	0.00896	mg/L	0.067985	758.43%
QC value within limits for Ca 227.546 Recovery = Not calculated								
Cd 228.802†	4.0	0.00011	mg/L	0.000258	0.00011	mg/L	0.000258	230.19%
QC value within limits for Cd 228.802 Recovery = Not calculated								
Co 228.616†	6.1	0.00029	mg/L	0.000040	0.00029	mg/L	0.000040	13.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 267.716†	-28.0	-0.00041	mg/L	0.000122	-0.00041	mg/L	0.000122	29.54%
QC value within limits for Cr 267.716 Recovery = Not calculated								
Cu 327.393†	75.5	0.00073	mg/L	0.000875	0.00073	mg/L	0.000875	120.64%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 239.562†	0.2	0.00310	mg/L	0.002949	0.00310	mg/L	0.002949	95.15%
QC value within limits for Fe 239.562 Recovery = Not calculated								

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```
Mg 279.077†              -9.8     0.00500 mg/L      0.004123     0.00500 mg/L      0.004123  82.52%
   QC value within limits for Mg 279.077  Recovery = Not calculated
Mn 257.610†              17.4    -0.00014 mg/L      0.000007    -0.00014 mg/L      0.000007   5.34%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†               2.0     0.00011 mg/L      0.000272     0.00011 mg/L      0.000272 242.78%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Ni 231.604†              -3.7     0.00004 mg/L      0.000206     0.00004 mg/L      0.000206 516.30%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               5.3    -0.00107 mg/L      0.001379    -0.00107 mg/L      0.001379 128.71%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†               0.7     0.00170 mg/L      0.003007     0.00170 mg/L      0.003007 177.21%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†              -0.8     0.00052 mg/L      0.001113     0.00052 mg/L      0.001113 212.85%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†               8.5    -0.00304 mg/L      0.000719    -0.00304 mg/L      0.000719  23.61%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†              12.4     0.00112 mg/L      0.001130     0.00112 mg/L      0.001130 101.26%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Ti 334.940†              12.6     0.00003 mg/L      0.000028     0.00003 mg/L      0.000028  87.41%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†              -1.4     0.00104 mg/L      0.002924     0.00104 mg/L      0.002924 280.00%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 290.880†              -81.7    -0.00018 mg/L      0.000119    -0.00018 mg/L      0.000119  66.25%
   QC value within limits for V 290.880  Recovery = Not calculated
Zn 206.200†               3.6     0.00010 mg/L      0.000127     0.00010 mg/L      0.000127 121.37%
   QC value within limits for Zn 206.200  Recovery = Not calculated
K 766.490†               82.5     0.00981 mg/L      0.041762     0.00981 mg/L      0.041762 425.55%
   QC value within limits for K 766.490  Recovery = Not calculated
Na 589.592†             264.9     0.00357 mg/L      0.010065     0.00357 mg/L      0.010065 281.85%
   QC value within limits for Na 589.592  Recovery = Not calculated
Sr 407.771†              12.4     0.00021 mg/L      0.000107     0.00021 mg/L      0.000107  50.58%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Li 670.784†             -68.1    -0.00022 mg/L      0.000374    -0.00022 mg/L      0.000374 171.43%
   QC value within limits for Li 670.784  Recovery = Not calculated
All analyte(s) passed QC.
```

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2.2.2 Metals ICP-MS Data

2.2.2.1 Summary Data

Login Number: L11020447

Department: Metals

Analyst: Ji Hu
Analyst #2: Erin Long

METHOD

Preparation: SW-846 3051/3015

Analysis: SW-846 6020

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

Low Level Check: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG356983 - All acceptance criteria were met.

WG356974 - All acceptance criteria were met.

Matrix Spikes: WG356983 - Sample 01 was chosen by the client for MS/MSD analysis. Samples 03(MS) and 04(MSD) met all acceptance criteria.

SAMPLES

Samples: WG356983 - Due to the high levels of nontarget analytes, client samples 01 through 04, 06 and 07 were analyzed initially at dilutions for all analytes.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 21859
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	6020	5	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	6020	5	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	6020	5	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	6020	5	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	6020	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	6020	5	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	6020	5	17-FEB-11

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-01	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-TPS-2-16-11-COMP	Prep Method:	3051A	Prep Date:	02/18/2011 05:52
Matrix:	Soil	Analytical Method:	6020	Cal Date:	02/18/2011 11:54
Workgroup Number:	WG356983	Analyst:	JYH	Run Date:	02/18/2011 16:34
Collect Date:	02/16/2011 11:20	Dilution:	5	File ID:	EL.021811.163456
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	3.15		1.78	0.891
Lead, Total	7439-92-1	13.9		1.19	0.594
Selenium, Total	7782-49-2	0.648	J	1.19	0.594
Thallium, Total	7440-28-0	0.124	J	0.238	0.119

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-02	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-2-16-11-DUP	Prep Method:	3051A	Prep Date:	02/18/2011 05:52
Matrix:	Soil	Analytical Method:	6020	Cal Date:	02/18/2011 11:54
Workgroup Number:	WG356983	Analyst:	JYH	Run Date:	02/18/2011 16:41
Collect Date:	02/16/2011 11:20	Dilution:	5	File ID:	EL.021811.164143
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	85.5

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	3.92		1.74	0.868
Lead, Total	7439-92-1	13.0		1.16	0.579
Selenium, Total	7782-49-2	0.711	J	1.16	0.579
Thallium, Total	7440-28-0	0.124	J	0.231	0.116

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-03	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-2-16-11-MS	Prep Method:	3051A	Prep Date:	02/18/2011 05:51
Matrix:	Soil	Analytical Method:	6020	Cal Date:	02/18/2011 11:54
Workgroup Number:	WG356983	Analyst:	JYH	Run Date:	02/18/2011 16:48
Collect Date:	02/16/2011 11:20	Dilution:	5	File ID:	EL.021811.164831
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	14.6		1.78	0.891
Lead, Total	7439-92-1	25.6		1.19	0.594
Selenium, Total	7782-49-2	12.3		1.19	0.594
Thallium, Total	7440-28-0	11.8		0.238	0.119

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	3051A	Prep Date:	02/18/2011 05:52
Matrix:	Soil	Analytical Method:	6020	Cal Date:	02/18/2011 11:54
Workgroup Number:	WG356983	Analyst:	JYH	Run Date:	02/18/2011 16:55
Collect Date:	02/16/2011 11:20	Dilution:	5	File ID:	EL.021811.165519
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	15.0		1.78	0.891
Lead, Total	7439-92-1	26.8		1.19	0.594
Selenium, Total	7782-49-2	11.5		1.19	0.594
Thallium, Total	7440-28-0	11.9		0.238	0.119

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-05	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-2-16-11-FB	Prep Method:	3015	Prep Date:	02/18/2011 07:09
Matrix:	Water	Analytical Method:	6020	Cal Date:	02/22/2011 09:56
Workgroup Number:	WG356974	Analyst:	JYH	Run Date:	02/22/2011 16:24
Collect Date:	02/16/2011 12:20	Dilution:	1	File ID:	EL.022211.162455
Sample Tag:	01	Units:	mg/L		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Antimony, Total	7440-36-0		U	0.00100	0.000500
Selenium, Total	7782-49-2		U	0.00100	0.000500
Thallium, Total	7440-28-0		U	0.000200	0.000100

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-06	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-2-16-11-CLAY-C	Prep Method:	3051A	Prep Date:	02/18/2011 05:52
Matrix:	Soil	Analytical Method:	6020	Cal Date:	02/18/2011 11:54
Workgroup Number:	WG356983	Analyst:	JYH	Run Date:	02/18/2011 17:02
Collect Date:	02/16/2011 12:40	Dilution:	5	File ID:	EL.021811.170206
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	81.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	9.09		1.78	0.888
Lead, Total	7439-92-1	14.7		1.18	0.592
Selenium, Total	7782-49-2	0.742	J	1.18	0.592
Thallium, Total	7440-28-0	0.465		0.237	0.118

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-07	PrePrep Method:	NONE	Instrument:	ELAN-ICP
Client ID:	SITE #1-2-16-11-CLAY-C-2	Prep Method:	3051A	Prep Date:	02/18/2011 05:52
Matrix:	Soil	Analytical Method:	6020	Cal Date:	02/18/2011 11:54
Workgroup Number:	WG356983	Analyst:	JYH	Run Date:	02/18/2011 17:08
Collect Date:	02/16/2011 12:45	Dilution:	5	File ID:	EL.021811.170851
Sample Tag:	DL01	Units:	mg/kg	Percent Solid:	78.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Arsenic, Total	7440-38-2	10.3		1.86	0.928
Lead, Total	7439-92-1	14.8		1.24	0.619
Selenium, Total	7782-49-2	0.979	J	1.24	0.619
Thallium, Total	7440-28-0	0.418		0.248	0.124

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

2.2.2.2 QC Summary Data

Example 6020 Calculations
Perkin Elmer ELAN 6100

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and three standards.

2.0 Calculating the concentration (C) of an element in water using data from prep log, run log, and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	100
Vi = Initial volume	40
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/L)	0.25

3.0 Calculating the concentration (C) of an element in soil using data from prep log, run log, and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Final volume	200
Vi = Initial volume	0.5
D = Dilution factor as a multiplier (10X = 10)	1
Cx = Concentration of element in (ug/kg)	40

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

Where:	**Example:**
Cx = Concentration calculated as received (wet basis)	40
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	50

50 ug/kg = 0.050 mg/kg

Perkin Elmer ELAN ICP/MS

STANDARDS KEY

QC Std 1 - ICV
QC Std 2 - ICB
QC Std 3 - LLICV
QC Std 4 - ICSA
QC Std 5 - ICSAB
QC Std 6 - CCV
QC Std 7 - CCB
QC Std 8 - LLCCV

Calibration Solutions

Analyte	Stock Conc. (mg/L)	S1 (mg/L)	S2 (mg/L)	S3 (mg/L)	S4 (mg/L)
Al	10	0	0.0004	0.05	0.1
Sb	10	0	0.0004	0.05	0.1
As	10	0	0.0004	0.05	0.1
Ba	10	0	0.0004	0.05	0.1
Be	10	0	0.0004	0.05	0.1
Ca	1000	0	0.04	5	10
Cd	10	0	0.0004	0.05	0.1
Cr	10	0	0.0004	0.05	0.1
Co	10	0	0.0004	0.05	0.1
Cu	10	0	0.0004	0.05	0.1
Fe	1000	0	0.04	5	10
Pb	10	0	0.0004	0.05	0.1
Mg	1000	0	0.04	5	10
Mn	10	0	0.0004	0.05	0.1
Ni	10	0	0.0004	0.05	0.1
K	1000	0	0.04	5	10
Se	10	0	0.0004	0.05	0.1
Ag	10	0	0.0004	0.05	0.1
Na	1000	0	0.04	5	10
Tl	10	0	0.0004	0.05	0.1
V	10	0	0.0004	0.05	0.1
U	1000	0	0.0004	0.05	0.1
Zn	10	0	0.0004	0.05	0.1

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG356891
Analyst: VC
Spike Analyst: VC
Run Date: 02/18/2011 05:52
Method: 3051A

SOP: ME406 Revison 12
Spike Solution: STD41894
Spike Witness: REK
HNO3 Lot #: COA15168
Digestion Tubes Lot #: COA15251

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG356891-02	BLANK	7	.5 g	200 mL	173.649 g	173.621 g		
2	WG356891-03	LCS	7	.5 g	200 mL	174.2 g	174.179 g	.5 mL	
3	L11020002-29	ML29	7	.5 g	200 mL	174.948 g	174.91 g	.5 mL	02/28/11
4	L11020002-30	ML30	7	.5 g	200 mL	174.663 g	174.626 g	.5 mL	02/28/11
5	L11020002-31	ML31	7	.5 g	200 mL	174.402 g	174.338 g	.5 mL	02/28/11
6	L11020002-32	ML32	7	.5 g	200 mL	174.53 g	174.488 g	.5 mL	02/28/11
7	WG356891-01	REF	7	.501 g	200 mL	173.886 g	173.883 g		
8	L11020447-01	RS01	7	.501 g	200 mL	173.886 g	173.883 g		02/24/11
9	L11020447-02	SAMP	7	.505 g	200 mL	176.472 g	176.468 g		02/24/11
10	WG356891-04	MS	7	.501 g	200 mL	174.104 g	174.1 g	.5 mL	
11	L11020447-03	MS01	7	.501 g	200 mL	174.104 g	174.1 g	.5 mL	02/24/11
12	WG356891-05	MSD	7	.501 g	200 mL	174.574 g	174.568 g	.5 mL	
13	L11020447-04	SD01	7	.501 g	200 mL	174.574 g	174.568 g	.5 mL	02/24/11
14	L11020447-06	SAMP	7	.517 g	200 mL	175.853 g	175.844 g		02/24/11
15	L11020447-07	SAMP	7	.512 g	200 mL	173.465 g	173.457 g		02/24/11

Analyst: Vicki Collins

Reviewer:

MW_DIG - Modified 09/30/2009
PDF ID: 1922535
Report generated: 02/18/2011 07:25

Microbac Laboratories Inc.
Microwave Digestion Log

Workgroup: WG356896
Analyst: VC
Spike Analyst: VC
Run Date: 02/18/2011 07:09
Method: 3015

SOP: ME407 Revison 11
Spike Solution: STD41894
Spike Witness: REK
HNO3 Lot #: COA15168
Digestion Tubes Lot #: COA15251
ICP-MS;WG353543 Lot #: COA15150

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Initial Vessel Wt	Final Vessel Wt	Spike Amount	Due Date
1	WG356896-04	BLANK	1	40 mL	100 mL	206.03 g	206.012 g		
2	WG356896-05	LCS	1	40 mL	100 mL	205.422 g	205.409 g	.25 mL	
3	L11020402-02	SAMP	1	40 mL	100 mL	206.761 g	206.746 g		03/02/11
4	WG356896-01	REF	1	40 mL	100 mL	205.223 g	205.194 g		
5	L11020402-07	RS02	1	40 mL	100 mL	205.223 g	205.194 g		03/02/11
6	WG356896-06	MS	1	40 mL	100 mL	206.873 g	206.83 g	.25 mL	
7	L11020402-08	MS02	1	40 mL	100 mL	206.873 g	206.83 g	.25 mL	03/02/11
8	WG356896-07	MSD	1	40 mL	100 mL	206.599 g	206.555 g	.25 mL	
9	L11020402-09	SD02	1	40 mL	100 mL	206.599 g	206.555 g	.25 mL	03/02/11
10	L11020402-14	SAMP	1	40 mL	100 mL	206.12 g	206.101 g		03/02/11
11	L11020402-17	SAMP	1	40 mL	100 mL	205.631 g	205.624 g		03/02/11
12	L11020402-20	SAMP	1	40 mL	100 mL	208.191 g	208.179 g		03/02/11
13	L11020402-23	SAMP	1	40 mL	100 mL	206.72 g	206.716 g		03/02/11
14	L11020434-01	SAMP	1	40 mL	100 mL	209.759 g	209.745 g		02/25/11
15	WG356896-02	REF	2	40 mL	100 mL	206.724 g	206.723 g		
16	L11020443-01	SAMP	2	40 mL	100 mL	206.724 g	206.723 g		02/28/11
17	L11020447-05	SAMP	1	40 mL	100 mL	209.741 g	209.729 g		02/24/11
18	L11020450-01	SAMP	2	40 mL	100 mL	209.305 g	209.293 g		02/28/11
19	WG356896-03	REF	2	40 mL	100 mL	204.736 g	204.724 g		
20	L11020450-02	SAMP	2	40 mL	100 mL	204.736 g	204.724 g		02/28/11
21	WG356896-08	MS	1	40 mL	100 mL	205.55 g	205.539 g	.25 mL	
22	WG356896-09	DUP	1	40 mL	100 mL	206.513 g	206.498 g		

Analyst: Vicki Collins

Reviewer:

MW_DIG - Modified 09/30/2009
PDF ID: 1922558
Report generated: 02/18/2011 08:23

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 021811B.REP
Analyst1: EDL Analyst2: JYH
Method: 6020 SOP: ME700 Rev: 6
Maintenance Log ID: 36483

Calibration Std: STD43845 ICV Std: STD43557 Post Spike: STD42704
ICSA: STD43561 ICSAB: STD44048 Int. Std: STD43721
CCV: STD43914 LLCCV: STD44016

Workgroups: 356813, 356814, 356798, 356983

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.021811.112701	Blank	Blank		1		02/18/11 11:27
2	EL.021811.113345	WG356986-01	Calibration Point		1		02/18/11 11:33
3	EL.021811.114030	WG356986-02	Calibration Point		1		02/18/11 11:40
4	EL.021811.114715	WG356986-03	Calibration Point		1		02/18/11 11:47
5	EL.021811.115402	WG356986-04	Calibration Point		1		02/18/11 11:54
6	EL.021811.120047	WG356986-05	Initial Calibration Verification		1		02/18/11 12:00
7	EL.021811.120811	WG356986-06	Initial Calib Blank		1		02/18/11 12:08
8	EL.021811.121458	WG356986-07	Low Level Initial Calibration V		1		02/18/11 12:14
9	EL.021811.122147	WG356986-08	Interference Check		1		02/18/11 12:21
10	EL.021811.122835	WG356986-09	Interference Check		1		02/18/11 12:28
11	EL.021811.124007	WG356986-10	Interference Check		1		02/18/11 12:40
12	EL.021811.125353	WG356986-11	CCV		1		02/18/11 12:53
13	EL.021811.130109	WG356986-12	CCB		1		02/18/11 13:01
14	EL.021811.130753	WG356783-02	PBW 46 WG356783-02	40/100	1		02/18/11 13:07
15	EL.021811.131437	L11020002-25	BOB/ERIN L. 1	40/100	1		02/18/11 13:14
16	EL.021811.132122	L11020002-26	BOB/ERIN L. 2	40/100	1		02/18/11 13:21
17	EL.021811.132807	L11020002-27	BOB/ERIN L. 3	40/100	1		02/18/11 13:28
18	EL.021811.133453	L11020002-28	BOB/ERIN L. 4	40/100	1		02/18/11 13:34
19	EL.021811.134139	WG356986-13	CCV		1		02/18/11 13:41
20	EL.021811.134855	WG356986-14	CCB		1		02/18/11 13:48
21	EL.021811.135540	WG356785-02	PBW C4 WG356785-02	.5/200	1		02/18/11 13:55
22	EL.021811.140226	L11020002-41	BOB/ERIN L. 1		1		02/18/11 14:02
23	EL.021811.141357	L11020002-41	BOB/ERIN L. 1	.5/200	1		02/18/11 14:13
24	EL.021811.142044	L11020002-42	BOB/ERIN L. 2	.5/200	1		02/18/11 14:20
25	EL.021811.142731	L11020002-43	BOB/ERIN L. 3	.5/200	1		02/18/11 14:27
26	EL.021811.143418	L11020002-44	BOB/ERIN L. 4	.5/200	1		02/18/11 14:34
27	EL.021811.144105	WG356986-15	CCV		1		02/18/11 14:41
28	EL.021811.144821	WG356986-16	CCB		1		02/18/11 14:48
29	EL.021811.145528	WG356891-02	Method/Prep Blank		1		02/18/11 14:55
30	EL.021811.150215	WG356891-03	Laboratory Control S		1		02/18/11 15:02
31	EL.021811.150902	WG356891-01	Reference Sample		1	L11020447-01	02/18/11 15:09
32	EL.021811.152001	WG356756-05	Method/Prep Blank	40/100	1		02/18/11 15:20
33	EL.021811.152647	WG356756-06	Laboratory Control S	40/100	1		02/18/11 15:26
34	EL.021811.153332	WG356756-04	Reference Sample		1	L11020397-01	02/18/11 15:33

Page: 1 Approved: February 22, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 021811B.REP
Analyst1: EDL Analyst2: JYH
Method: 6020 SOP: ME700 Rev: 6
Maintenance Log ID: 36483

Calibration Std: STD43845 ICV Std: STD43557 Post Spike: STD42704
ICSA: STD43561 ICSAB: STD44048 Int. Std: STD43721
CCV: STD43914 LLCCV: STD44016

Workgroups: 356813, 356814, 356798, 356983

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
35	EL.021811.154017	WG356756-10	Matrix Spike	40/100	1	L11020397-01	02/18/11 15:40
36	EL.021811.154703	WG356756-11	Matrix Spike Duplica	40/100	1	L11020397-01	02/18/11 15:47
37	EL.021811.155348	WG356798-03	Post Digestion Spike		1	L11020397-01	02/18/11 15:53
38	EL.021811.160034	WG356798-04	Serial Dilution		5	L11020397-01	02/18/11 16:00
39	EL.021811.160721	WG356986-17	CCV		1		02/18/11 16:07
40	EL.021811.161437	WG356986-18	CCB		1		02/18/11 16:14
41	EL.021811.162122	WG356891-02	Method/Prep Blank	.5/200	1		02/18/11 16:21
42	EL.021811.162809	WG356891-03	Laboratory Control S	.5/200	1		02/18/11 16:28
43	EL.021811.163456	L11020447-01	SITE \#1-TPS-2-16-11-COMP		5	WG356891-01	02/18/11 16:34
44	EL.021811.164143	L11020447-02	SITE \#1-2-16-11-DUP	.505/200	5		02/18/11 16:41
45	EL.021811.164831	L11020447-03	SITE \#1-2-16-11-MS	.501/200	5	WG356891-04	02/18/11 16:48
46	EL.021811.165519	L11020447-04	SITE \#1-2-16-11-MSD	.501/200	5	WG356891-05	02/18/11 16:55
47	EL.021811.170206	L11020447-06	SITE \#1-2-16-11-CLAY-C	.517/200	5		02/18/11 17:02
48	EL.021811.170851	L11020447-07	SITE \#1-2-16-11-CLAY-C-2	.512/200	5		02/18/11 17:08
49	EL.021811.171536	WG356983-01	Post Digestion Spike		5	L11020447-07	02/18/11 17:15
50	EL.021811.172222	WG356983-02	Serial Dilution		25	L11020447-07	02/18/11 17:22
51	EL.021811.172908	WG356986-19	CCV		1		02/18/11 17:29
52	EL.021811.173624	WG356986-20	CCB		1		02/18/11 17:36

Comments

Seq.	Rerun	Dil.	Reason	Analytes
10			Data not used - the solution was made up incorrectly.	
22			Data not used.	
29			Data not used - analyzed out of order.	
30			Data not used - analyzed out of order.	
31			Data not used - analyzed out of order.	

Page: 2 Approved: February 22, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 022211A.REP
Analyst1: EDL Analyst2: JYH
Method: 6020 SOP: ME700 Rev: 6
Maintenance Log ID: 36515

Calibration Std: STD43845 ICV Std: STD43557 Post Spike: STD42704
ICSA: STD43561 ICSAB: STD44048 Int. Std: STD43721
CCV: STD43914 LLCCV: STD44016

Workgroups: 357188, 356974, 357217, 357249, 355427

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	EL.022211.092949	Blank	Blank		1		02/22/11 09:29
2	EL.022211.093634	WG357212-01	Calibration Point		1		02/22/11 09:36
3	EL.022211.094318	WG357212-02	Calibration Point		1		02/22/11 09:43
4	EL.022211.095004	WG357212-03	Calibration Point		1		02/22/11 09:50
5	EL.022211.095650	WG357212-04	Calibration Point		1		02/22/11 09:56
6	EL.022211.100335	WG357212-05	Initial Calibration Verification		1		02/22/11 10:03
7	EL.022211.101059	WG357212-06	Initial Calib Blank		1		02/22/11 10:10
8	EL.022211.101747	WG357212-07	Low Level Initial Calibration V		1		02/22/11 10:17
9	EL.022211.102435	WG357212-18	Interference Check		1		02/22/11 10:24
10	EL.022211.103123	WG357212-19	Interference Check		1		02/22/11 10:31
11	EL.022211.103811	WG357212-10	CCV		1		02/22/11 10:38
12	EL.022211.104527	WG357212-11	CCB		1		02/22/11 10:45
13	EL.022211.105211	WG357046-02	Method/Prep Blank	40/100	1		02/22/11 10:52
14	EL.022211.105856	WG357046-03	Laboratory Control S	40/100	1		02/22/11 10:58
15	EL.022211.110541	L11020486-02	MW2A.258.14	40/100	1		02/22/11 11:05
16	EL.022211.111226	WG357046-01	Reference Sample		1	L11020486-07	02/22/11 11:12
17	EL.022211.111912	WG357046-04	Matrix Spike	40/100	1	L11020486-07	02/22/11 11:19
18	EL.022211.112557	WG357046-05	Matrix Spike Duplica	40/100	1	L11020486-07	02/22/11 11:25
19	EL.022211.113244	L11020486-14	MW4A.258.14	40/100	1		02/22/11 11:32
20	EL.022211.113930	L11020486-17	MW5A.258.14	40/100	1		02/22/11 11:39
21	EL.022211.114617	WG357188-01	Post Digestion Spike		1	L11020486-17	02/22/11 11:46
22	EL.022211.115305	WG357188-02	Serial Dilution		5	L11020486-17	02/22/11 11:53
23	EL.022211.115952	WG357212-12	CCV		1		02/22/11 11:59
24	EL.022211.120707	WG357212-13	CCB		1		02/22/11 12:07
25	EL.022211.121353	L11020486-20	OW1A.258.14	40/100	1		02/22/11 12:13
26	EL.022211.122040	L11020486-23	OW1A2.258.14	40/100	1		02/22/11 12:20
27	EL.022211.122724	L11020486-26	OW2A.258.14	40/100	1		02/22/11 12:27
28	EL.022211.123410	L11020486-29	OW3A.258.14	40/100	1		02/22/11 12:34
29	EL.022211.124055	L11020492-02	SWMU-57-POND-21711-W	40/100	1		02/22/11 12:40
30	EL.022211.124741	WG357212-14	CCV		1		02/22/11 12:47
31	EL.022211.125457	WG357212-15	CCB		1		02/22/11 12:54
33	EL.022211.130828	L11020275-02	MNPL-MPL-MPL-103-0211	40/100	1		02/22/11 13:08
34	EL.022211.131515	L11020275-03	MNPL-MPL-MPL-023-0211	40/100	1		02/22/11 13:15
35	EL.022211.132201	L11020275-04	MNPL-MPL-MPL-123-0211	40/100	1		02/22/11 13:22

Page: 1 Approved: February 23, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 022211A.REP
Analyst1: EDL Analyst2: JYH
Method: 6020 SOP: ME700 Rev: 6
Maintenance Log ID: 36515

Calibration Std: STD43845 ICV Std: STD43557 Post Spike: STD42704
ICSA: STD43561 ICSAB: STD44048 Int. Std: STD43721
CCV: STD43914 LLCCV: STD44016

Workgroups: 357188, 356974, 357217, 357249, 355427

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
36	EL.022211.132849	L11020275-05	MNPL-MPL-MPL-025-0211	40/100	1		02/22/11 13:28
37	EL.022211.133536	L11020298-01	MNPL-MPL-MPL-003-0211	40/100	1		02/22/11 13:35
38	EL.022211.134224	F BLANK	F BLANK		1		02/22/11 13:42
39	EL.022211.134911	WG357212-16	CCV		1		02/22/11 13:49
40	EL.022211.135627	WG357212-17	CCB		1		02/22/11 13:56
41	EL.022211.142915	WG356896-04	Method/Prep Blank	40/100	1		02/22/11 14:29
42	EL.022211.143602	WG356896-05	Laboratory Control S	40/100	1		02/22/11 14:36
43	EL.022211.144247	L11020402-02	SW1A.258.14	40/100	1		02/22/11 14:42
44	EL.022211.144932	WG356896-01	Reference Sample		1	L11020402-07	02/22/11 14:49
45	EL.022211.145618	WG356896-06	Matrix Spike	40/100	1	L11020402-07	02/22/11 14:56
46	EL.022211.150304	WG356896-07	Matrix Spike Duplica	40/100	1	L11020402-07	02/22/11 15:03
47	EL.022211.150950	L11020402-14	SW3A.258.14	40/100	1		02/22/11 15:09
48	EL.022211.151637	L11020402-17	SW3B.258.14	40/100	1		02/22/11 15:16
49	EL.022211.152324	WG356974-01	Post Digestion Spike		1	L11020402-17	02/22/11 15:23
50	EL.022211.153011	WG356974-02	Serial Dilution		5	L11020402-17	02/22/11 15:30
51	EL.022211.153659	WG357212-20	CCV		1		02/22/11 15:36
52	EL.022211.154414	WG357212-21	CCB		1		02/22/11 15:44
53	EL.022211.155100	L11020402-20	SW4A.258.14	40/100	1		02/22/11 15:51
54	EL.022211.155749	L11020402-23	SW5A.258.14	40/100	1		02/22/11 15:57
55	EL.022211.160437	L11020434-01	01SYS-EFF-021411	40/100	1		02/22/11 16:04
56	EL.022211.161124	WG356896-02	Reference Sample		1	L11020443-01	02/22/11 16:11
57	EL.022211.161809	WG356896-08	Matrix Spike	40/100	1	L11020443-01	02/22/11 16:18
58	EL.022211.162455	L11020447-05	SITE \#1-2-16-11-FB	40/100	1		02/22/11 16:24
59	EL.022211.163141	L11020450-01	OUTFALL 003	40/100	1		02/22/11 16:31
60	EL.022211.163828	WG356896-03	Reference Sample		1	L11020450-02	02/22/11 16:38
61	EL.022211.164515	WG356896-09	Duplicate	40/100	1	L11020450-02	02/22/11 16:45
62	EL.022211.165202	WG357212-22	CCV		1		02/22/11 16:52
63	EL.022211.165917	WG357212-23	CCB		1		02/22/11 16:59
64	EL.022211.170603	WG357168-02	Method/Prep Blank	40/100	1		02/22/11 17:06
66	EL.022211.171938	L11020517-01	PSO2-GW-021811	40/100	1		02/22/11 17:19
67	EL.022211.172627	L11020533-01	LH18/24-SP650-6443-GRAB	40/100	1		02/22/11 17:26
68	EL.022211.173315	WG357168-01	Reference Sample		1	L11020533-02	02/22/11 17:33
69	EL.022211.174004	WG357168-04	Matrix Spike	40/100	1	L11020533-02	02/22/11 17:40
70	EL.022211.174651	WG357168-05	Matrix Spike Duplica	40/100	1	L11020533-02	02/22/11 17:46

Page: 2 Approved: February 23, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: ELAN-ICP Dataset: 022211A.REP
Analyst1: EDL Analyst2: JYH
Method: 6020 SOP: ME700 Rev: 6
Maintenance Log ID: 36515

Calibration Std: STD43845 ICV Std: STD43557 Post Spike: STD42704
ICSA: STD43561 ICSAB: STD44048 Int. Std: STD43721
CCV: STD43914 LLCCV: STD44016

Workgroups: 357188, 356974, 357217, 357249, 355427

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
71	EL.022211.175337	L11020545-13	GB-57-1-EQ	40/100	1		02/22/11 17:53
72	EL.022211.180023	WG357217-01	Post Digestion Spike		1	L11020545-13	02/22/11 18:00
73	EL.022211.180710	WG357217-02	Serial Dilution		5	L11020545-13	02/22/11 18:07
74	EL.022211.181356	WG357212-24	CCV		1		02/22/11 18:13
75	EL.022211.182112	WG357212-25	CCB		1		02/22/11 18:21
76	EL.022211.182758	L11020547-12	GB-68-1.5-EQ	40/100	1		02/22/11 18:27
77	EL.022211.183445	F BLANK	F BLANK		1		02/22/11 18:34
78	EL.022211.184132	WG357212-26	Interference Check		1		02/22/11 18:41
79	EL.022211.184820	WG357212-27	Interference Check		1		02/22/11 18:48
80	EL.022211.185508	WG357212-28	CCV		1		02/22/11 18:55
81	EL.022211.190224	WG357212-29	CCB		1		02/22/11 19:02
82	EL.022211.190910	WG357212-30	Low Level Continuing Calibra		1		02/22/11 19:09
83	EL.022211.191559	WG356440-01	Method/Prep Blank	.5/200	1		02/22/11 19:15
84	EL.022211.192247	L11020002-37	VICKI/JI 1	.5/200	1		02/22/11 19:22
85	EL.022211.192935	L11020002-38	VICKI/JI 2	.5/200	1		02/22/11 19:29
86	EL.022211.193624	L11020002-39	VICKI/JI 3	.5/200	1		02/22/11 19:36
87	EL.022211.194312	L11020002-40	VICKI/JI 4	.5/200	1		02/22/11 19:43
88	EL.022211.195002	L11010707-08	D073-540	.507/200	25		02/22/11 19:50
89	EL.022211.195650	WG357212-31	CCV		1		02/22/11 19:56
90	EL.022211.200405	WG357212-32	CCB		1		02/22/11 20:04
91	EL.022211.130142	L11020575-01	VMP1-GW-022111	40/100	1		02/22/11 13:01
92	EL.022211.171250	WG357468-03	LCSW 73 WG357468-03	40/100	1		02/22/11 17:12
93	EL.022311.081951	WG357212-33	QC Std 5		1		02/23/11 08:19
94	EL.022311.082640	WG357212-34	QC Std 5		1		02/23/11 08:26

  Approved: February 23, 2011

Maren Berry

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: EDL
Analyst: JYH
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 356986
Runlog ID: 39098
Analytical Workgroups: 356813, 356814, 356798, 356983

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	397, 447
Client Forms	X
Level X	
Level 3	
Level 4	002, 397, 447
Check for compliance with method and project specific requirements	
Check the completeness of reported information	
Check the information for the report narrative	
Primary Reviewer	EDL
Secondary Reviewer	
Comments	

Primary Reviewer: Secondary Reviewer:
21-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 15:35:04

Microbac Laboratories Inc.

Data Checklist

Date: 22-FEB-2011
Analyst: EDL
Analyst: JYH
Method: 6020
Instrument: ELAN-ICP
Curve Workgroup: 357212
Runlog ID: 39143
Analytical Workgroups: 357188, 356896, 357217, 357249, 355427

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	X
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	X
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	275, 298, 492, 434, 447, 517, 533
Case Narrative (Continued)	545, 547
Client Forms	X
Level X	
Level 3	517, 533, 545, 547
Level 4	275, 298, 492, 434, 447
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	EDL
Secondary Reviewer	MMB
Comments	

Primary Reviewer:
23-FEB-2011
Erin D. Long

Secondary Reviewer:
24-FEB-2011
Maren Beery

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-24-2011 10:25:58

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 6020 AAB#: WG356983

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/18/11	1.8	180		02/18/11	2.2	180	
SITE #1-2-16-11-DUP	02	02/16/11					02/18/11	1.8	180		02/18/11	2.2	180	
SITE #1-2-16-11-MS	03	02/16/11					02/18/11	1.8	180		02/18/11	2.2	180	
SITE #1-2-16-11-MSD	04	02/16/11					02/18/11	1.8	180		02/18/11	2.2	180	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/18/11	1.7	180		02/18/11	2.2	180	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/18/11	1.7	180		02/18/11	2.2	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1924315
Report generated 02/23/2011 08:24

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 6020 AAB#: WG356974

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-2-16-11-FB	05	02/16/11					02/18/11	1.8	180		02/22/11	6.2	180	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1924315
Report generated 02/23/2011 08:24

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG356983
Blank File ID: EL.021811.162122
Blank Sample ID: WG356891-02
Prep Date: 02/18/11 05:52
Instrument ID: ELAN-ICP
Analyzed Date: 02/18/11 16:21
Method: 6020
Analyst: JYH

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356891-03	EL.021811.162809	02/18/11 16:28	01
SITE #1-TPS-2-16-11-COMP	L11020447-01	EL.021811.163456	02/18/11 16:34	DL01
SITE #1-2-16-11-DUP	L11020447-02	EL.021811.164143	02/18/11 16:41	DL01
SITE #1-2-16-11-MS	L11020447-03	EL.021811.164831	02/18/11 16:48	DL01
SITE #1-2-16-11-MSD	L11020447-04	EL.021811.165519	02/18/11 16:55	DL01
SITE #1-2-16-11-CLAY-C	L11020447-06	EL.021811.170206	02/18/11 17:02	DL01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	EL.021811.170851	02/18/11 17:08	DL01

Report Name: BLANK_SUMMARY
PDF File ID: 1924316
Report generated 02/23/2011 08:24

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number:	L11020447	Work Group:	WG356974
Blank File ID:	EL.022211.142915	Blank Sample ID:	WG356896-04
Prep Date:	02/18/11 07:09	Instrument ID:	ELAN-ICP
Analyzed Date:	02/22/11 14:29	Method:	6020
Analyst:	JYH		

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356896-05	EL.022211.143602	02/22/11 14:36	01
SITE #1-2-16-11-FB	L11020447-05	EL.022211.162455	02/22/11 16:24	01
DUP	WG356896-09	EL.022211.164515	02/22/11 16:45	01

Report Name: BLANK_SUMMARY
PDF File ID: 1924316
Report generated 02/23/2011 08:24

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 05:52 Sample ID: WG356891-02
Instrument ID: ELAN-ICP Run Date: 02/18/11 16:21 Prep Method: 3051A
File ID: EL.021811.162122 Analyst: JYH Method: 6020
Workgroup (AAB#): WG356983 Matrix: Soil Units: mg/kg
Contract #: Cal ID: ELAN-I-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Arsenic, Total	0.150	0.300	0.150	1	U
Lead, Total	0.100	0.200	0.100	1	U
Selenium, Total	0.100	0.200	0.100	1	U
Thallium, Total	0.0200	0.0400	0.0200	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1924317
23-FEB-2011 08:24

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number:L11020447 Prep Date:02/18/11 07:09 Sample ID:WG356896-04
Instrument ID:ELAN-ICP Run Date:02/22/11 14:29 Prep Method:3015
File ID:EL.022211.142915 Analyst:JYH Method:6020
Workgroup (AAB#):WG356974 Matrix:Water Units:mg/L
Contract #: Cal ID:ELAN-I-22-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Antimony, Total	0.000500	0.00100	0.000500	1	U
Selenium, Total	0.000500	0.00100	0.000500	1	U
Thallium, Total	0.000100	0.000200	0.000100	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1924317
23-FEB-2011 08:24

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356891-03
Instrument ID: ELAN-ICP Run Time: 16:28 Prep Method: 3051A
File ID: EL.021811.162809 Analyst: JYH Method: 6020
Workgroup (AAB#): WG356983 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Arsenic, Total	10.0	9.33	93.3	80 - 120	
Lead, Total	10.0	10.3	103	80 - 120	
Selenium, Total	10.0	8.81	88.1	80 - 120	
Thallium, Total	10.0	10.2	102	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1924318
Report generated: 02/23/2011 08:24

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG356896-05
Instrument ID: ELAN-ICP Run Time: 14:36 Prep Method: 3015
File ID: EL.022211.143602 Analyst: JYH Method: 6020
Workgroup (AAB#): WG356974 Matrix: Water Units: mg/L
QC Key: DOD4 Lot#: STD41894 Cal ID: ELAN-I-22-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Antimony, Total	0.0625	0.0623	99.7	80 - 120	
Selenium, Total	0.0625	0.0562	90.0	80 - 120	
Thallium, Total	0.0625	0.0673	108	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1924318
Report generated: 02/23/2011 08:24

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum: L11020447 Cal ID: ELAN-ICP- 18-FEB-11 Worknum: WG356983

Instrument ID: ELAN-ICP Contract #: Prep Method: 3051A

Parent ID: L11020447-01 File ID: EL.021811.163456 Dil: 5 Method: 6020

Sample ID: L11020447-03 MS File ID: EL.021811.164831 Dil: 5 Matrix: Soil

Sample ID: L11020447-04 MSD File ID: EL.021811.165519 Dil: 5 Units: mg/kg

Percent Solid: 84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Arsenic, Total	3.15	11.9	14.6	96.4	11.9	15.0	100	2.88	80 - 120	20	
Lead, Total	13.9	11.9	25.6	99.1	11.9	26.8	109	4.40	80 - 120	20	
Selenium, Total	0.648	11.9	12.3	98.1	11.9	11.5	91.7	6.33	80 - 120	20	
Thallium, Total	0.124	11.9	11.8	98.5	11.9	11.9	99.4	0.844	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1924319
Report generated 02/23/2011 16:25

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11020447 Cal ID:ELAN-ICP- Worknum:WG356974

Instrument ID:ELAN-ICP Contract #: Method:6020

Parent ID:WG356896-01 File ID:EL.022211.144932 Dil:1 Matrix:WATER

Sample ID:WG356896-06 MS File ID:EL.022211.145618 Dil:1 Units:mg/L

Sample ID:WG356896-07 MSD File ID:EL.022211.150304 Dil:1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Antimony	ND	0.0625	0.0621	99.3	0.0625	0.0622	99.6	0.255	80 - 120	20	
Selenium	ND	0.0625	0.0559	89.4	0.0625	0.0561	89.8	0.426	80 - 120	20	
Thallium	ND	0.0625	0.0660	106	0.0625	0.0660	106	0.0201	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008

PDF File ID:1924320

Report generated 02/23/2011 16:25

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11020447 **Worknum:** WG356983
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG356983-02 **File ID:** EL.021811.172222 **Dil:** 25 **Units:** ug/L
Sample: L11020447-07 **File ID:** EL.021811.170851 **Dil:** 5

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Antimony	-.08		ND			
Arsenic	20.8	X	22.5	X	8.17	
Lead	29.9	X	29	X	3.01	
Selenium	1.975	F	ND	U		
Thallium	.845	X	ND	U		

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1924313
02/23/2011 08:24

Microbac Laboratories Inc.
Serial Dilution Report

Login: L11020447 **Worknum:** WG356974
Instrument: ELAN-ICP **Method:** 6020
Serial Dil: WG356974-02 **File ID:** EL.022211.153011 **Dil:** 5 **Units:** ug/L
Sample: L11020402-17 **File ID:** EL.022211.151637 **Dil:** 1

Analyte	Sample	Qual	Serial Dil	Qual	% Diff	Q
Antimony	ND	U	ND	U		
Arsenic	-.0081		ND			
Lead	.0431		ND			
Selenium	ND	U	ND	U		
Thallium	ND	U	ND	U		

U = Result is below MDL.
F = Result is greater than or equal to MDL and less than the RL.
X = Result is greater than or equal to RL and less than 100 times the MDL.
E = %D exceeds control limit of 10% and initial sample result is greater than or equal to 100 times the MDL.

SERIAL_DIL - Modified 09/22/2008
PDF File ID: 1924313
02/23/2011 08:24

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356983
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG356983-01 **File ID:** EL.021811.171536 **Dil:** 5 **Units:** ug/L
Sample ID: L11020447-07 **File ID:** EL.021811.170851 **Dil:** 5 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ARSENIC	50.0		4.16		50	91.7	75 - 125	
LEAD	51.9		5.98		50	91.8	75 - 125	
SELENIUM	45.5		0.395	F	50	90.2	75 - 125	
THALLIUM	45.1		0.169		50	89.8	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1924314
Report generated: 02/23/2011 08:24

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356974
Instrument ID: ELAN-ICP **Method:** 6020
Post Spike ID: WG356974-01 **File ID:** EL.022211.152324 **Dil:** 1 **Units:** ug/L
Sample ID: L11020402-17 **File ID:** EL.022211.151637 **Dil:** 1 **Matrix:** Water

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
ANTIMONY	50.4		0	U	50	100.8	75 - 125	
SELENIUM	43.9		0	U	50	87.8	75 - 125	
THALLIUM	52.4		0	U	50	104.8	75 - 125	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1924314
Report generated: 02/23/2011 08:24

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11020447**	Workgroup (AAB#):	**WG356983**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG356986**	Initial Calibration Date:	**18-FEB-2011 11:54**

	WG356986-01		WG356986-02		WG356986-03		WG356986-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ANTIMONY	0	126	.4	1670	50	189000	100	376000	.999919	
ARSENIC	0	-113	.4	236	50	53000	100	104000	1	
LEAD	0	1590	.4	12400	50	1270000	100	2490000	.999992	
SELENIUM	0	8.62	.4	34.3	50	4770	100	9360	.999998	
THALLIUM	0	12.3	.4	3120	50	381000	100	739000	.999954	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1924323
Report generated: 23-FEB-2011 08:25

Microbac Laboratories Inc.
Initial Calibration Summary

Login:	**L11020447**	Workgroup (AAB#):	**WG356974**
Analytical Method:	**6020**	Instrument ID:	**ELAN-ICP**
ICAL Worknum:	**WG357212**	Initial Calibration Date:	**22-FEB-2011 09:56**

	WG357212-01		WG357212-02		WG357212-03		WG357212-04			
	Conc	INT	Conc	INT	Conc	INT	Conc	INT	R	Q
ANTIMONY	0	36.6	.4	1640	50	194000	100	372000	.999969	
ARSENIC	0	-201	.4	278	50	54400	100	103000	.999971	
LEAD	0	1540	.4	10900	50	1110000	100	2200000	.999962	
SELENIUM	0	-0.145	.4	39.5	50	5020	100	9430	.999929	
THALLIUM	0	19.3	.4	2790	50	327000	100	646000	.999954	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_ICP - Modified 03/06/2008
PDF File ID 1924323
Report generated: 23-FEB-2011 08:25

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-06
Instrument ID: ELAN-ICP Run Time: 12:08 Method: 6020
File ID: EL.021811.120811 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG356983 Cal ID: ELAN-ICP - 18-FEB-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
ARSENIC	.375	.75	.375	U
LEAD	.25	.5	.25	U
SELENIUM	.25	.5	.25	U
THALLIUM	.05	.1	.05	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1924325
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-06
Instrument ID: ELAN-ICP Run Time: 10:10 Method: 6020
File ID: EL.022211.101059 Analyst: JYH Units: ug/L
Workgroup (AAB#): WG356974 Cal ID: ELAN-ICP - 22-FEB-11
Matrix: WATER

Analytes	MDL	RDL	Concentration	Qualifier
ANTIMONY	.2	.4	.2	U
SELENIUM	.2	.4	.2	U
THALLIUM	.04	.08	.04	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1924325
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-12

Instrument ID: ELAN-ICP Run Time: 13:01 Method: 6020

File ID: EL.021811.130109 Analyst: JYH Units: ug/L

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Arsenic	0.375	0.750	0.375	U
Lead	0.250	0.500	0.250	U
Selenium	0.250	0.500	0.250	U
Thallium	0.0500	0.100	0.0500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-18

Instrument ID: ELAN-ICP Run Time: 16:14 Method: 6020

File ID: EL.021811.161437 Analyst: JYH Units: ug/L

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Arsenic	0.375	0.750	0.375	U
Lead	0.250	0.500	0.250	U
Selenium	0.250	0.500	0.250	U
Thallium	0.0500	0.100	0.0500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-20

Instrument ID: ELAN-ICP Run Time: 17:36 Method: 6020

File ID: EL.021811.173624 Analyst: JYH Units: ug/L

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL QAPP: DOD4

Analytes	MDL	RDL	Concentration	Qualifier
Arsenic	0.375	0.750	0.375	U
Lead	0.250	0.500	0.250	U
Selenium	0.250	0.500	0.250	U
Thallium	0.0500	0.100	0.0500	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/22/2011	Sample ID:	WG357212-11
Instrument ID:	ELAN-ICP	Run Time:	10:45	Method:	6020
File ID:	EL.022211.104527	Analyst:	JYH	Units:	ug/L
Workgroup (AAB#):	WG356974	Cal ID:	ELAN-I - 22-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Antimony	0.200	0.400	0.200	U
Selenium	0.200	0.400	0.200	U
Thallium	0.0400	0.0800	0.0400	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/22/2011	Sample ID:	WG357212-17
Instrument ID:	ELAN-ICP	Run Time:	13:56	Method:	6020
File ID:	EL.022211.135627	Analyst:	JYH	Units:	ug/L
Workgroup (AAB#):	WG356974	Cal ID:	ELAN-I - 22-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Antimony	0.200	0.400	0.200	U
Selenium	0.200	0.400	0.200	U
Thallium	0.0400	0.0800	0.0400	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/22/2011	Sample ID:	WG357212-21
Instrument ID:	ELAN-ICP	Run Time:	15:44	Method:	6020
File ID:	EL.022211.154414	Analyst:	JYH	Units:	ug/L
Workgroup (AAB#):	WG356974	Cal ID:	ELAN-I - 22-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Antimony	0.200	0.400	0.200	U
Selenium	0.200	0.400	0.200	U
Thallium	0.0400	0.0800	0.0400	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/22/2011	Sample ID:	WG357212-23
Instrument ID:	ELAN-ICP	Run Time:	16:59	Method:	6020
File ID:	EL.022211.165917	Analyst:	JYH	Units:	ug/L
Workgroup (AAB#):	WG356974	Cal ID:	ELAN-I - 22-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Antimony	0.200	0.400	0.200	U
Selenium	0.200	0.400	0.200	U
Thallium	0.0400	0.0800	0.0400	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1924328
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-05

Instrument ID: ELAN-ICP Run Time: 12:00 Method: 6020

File ID: EL.021811.120047 Analyst: JYH Units: ug/L

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Arsenic		50	51.1	102	90 - 110	
Lead		50	50.7	101	90 - 110	
Selenium		50	52.0	104	90 - 110	
Thallium		50	49.4	98.9	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1924324

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-05

Instrument ID: ELAN-ICP Run Time: 10:03 Method: 6020

File ID: EL.022211.100335 Analyst: JYH Units: ug/L

Workgroup (AAB#): WG356974 Cal ID: ELAN-I - 22-FEB-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Antimony		50	49.3	98.6	90 - 110	
Selenium		50	52.2	104	90 - 110	
Thallium		50	50.4	101	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1924324

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-11

Instrument ID: ELAN-ICP Run Time: 12:53 Method: 6020

File ID: EL.021811.125353 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Arsenic		50.0	50.7	ug/L	101	90 - 110		
Lead		50.0	50.2	ug/L	100	90 - 110		
Selenium		50.0	51.3	ug/L	103	90 - 110		
Thallium		50.0	48.8	ug/L	97.5	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-17

Instrument ID: ELAN-ICP Run Time: 16:07 Method: 6020

File ID: EL.021811.160721 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Arsenic		50.0	49.3	ug/L	98.6	90 - 110		
Lead		50.0	50.1	ug/L	100	90 - 110		
Selenium		50.0	48.6	ug/L	97.3	90 - 110		
Thallium		50.0	50.5	ug/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-19

Instrument ID: ELAN-ICP Run Time: 17:29 Method: 6020

File ID: EL.021811.172908 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Arsenic		50.0	51.0	ug/L	102	90 - 110		
Lead		50.0	50.3	ug/L	101	90 - 110		
Selenium		50.0	50.3	ug/L	101	90 - 110		
Thallium		50.0	50.7	ug/L	101	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-10

Instrument ID: ELAN-ICP Run Time: 10:38 Method: 6020

File ID: EL.022211.103811 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356974 Cal ID: ELAN-I - 22-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Antimony		50.0	49.4	ug/L	98.8	90 - 110		
Selenium		50.0	49.7	ug/L	99.4	90 - 110		
Thallium		50.0	48.3	ug/L	96.5	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-16

Instrument ID: ELAN-ICP Run Time: 13:49 Method: 6020

File ID: EL.022211.134911 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356974 Cal ID: ELAN-I - 22-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Antimony		50.0	50.6	ug/L	101	90 - 110		
Selenium		50.0	49.3	ug/L	98.6	90 - 110		
Thallium		50.0	50.1	ug/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-20

Instrument ID: ELAN-ICP Run Time: 15:36 Method: 6020

File ID: EL.022211.153659 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356974 Cal ID: ELAN-I - 22-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Antimony		50.0	49.9	ug/L	99.8	90 - 110		
Selenium		50.0	49.3	ug/L	98.5	90 - 110		
Thallium		50.0	50.2	ug/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-22

Instrument ID: ELAN-ICP Run Time: 16:52 Method: 6020

File ID: EL.022211.165202 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356974 Cal ID: ELAN-I - 22-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Antimony		50.0	49.2	ug/L	98.3	90 - 110		
Selenium		50.0	48.5	ug/L	97.0	90 - 110		
Thallium		50.0	50.2	ug/L	100	90 - 110		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1924327

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356986-07

Instrument ID: ELAN-ICP Run Time: 12:14 Method: 6020

File ID: EL.021811.121458 Analyst: JYH QC Key: DOD4

Workgroup (AAB#): WG356983 Cal ID: ELAN-I - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Thallium		0.0800	0.0800	ug/L	100	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010

PDF File ID: 1924329

Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

LOW LEVEL CALIBRATION VERIFICATION

Login Number: L11020447 Run Date: 02/22/2011 Sample ID: WG357212-07
Instrument ID: ELAN-ICP Run Time: 10:17 Method: 6020
File ID: EL.022211.101747 Analyst: JYH QC Key: DOD4
Workgroup (AAB#): WG356974 Cal ID: ELAN-I - 22-FEB-11
Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Antimony		0.400	0.431	ug/L	108	80 - 120		
Selenium		0.400	0.336	ug/L	84.0	80 - 120		
Thallium		0.0800	0.0868	ug/L	109	80 - 120		

* Exceeds LIMITS Criteria

LLCCV - Modified 1/7/2010
PDF File ID: 1924329
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11020447 **Workgroup (AAB#):** WG356983
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG356986-08 **File ID:** EL.021811.122147 **Units:** ug/L
Sol. AB : WG356986-10 **File ID:** EL.021811.124007 **Matrix:** Soil

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Arsenic	NS	0.0977	NS	100	101	101	
Lead	NS	-0.00230	NS	100	104	104	
Selenium	NS	0.113	NS	100	99.1	99.1	
Thallium	NS	0.00480	NS	100	99.8	99.8	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

ICS - Modified 03/06/2008
PDF File ID: 1924326
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.
INTERFERENCE CHECK SAMPLES

Login number: L11020447 **Workgroup (AAB#):** WG356974
Instrument ID: ELAN-ICP **Method:** 6020
Sol. A : WG357212-18 **File ID:** EL.022211.102435 **Units:** ug/L
Sol. AB : WG357212-19 **File ID:** EL.022211.103123 **Matrix:** Water

	Sol. A			Sol. AB			
ANALYTE	True	Found	%Recovery	True	Found	%Recovery	Q
Antimony	NS	0.0632	NS	100	99.4	99.4	
Selenium	NS	0.0317	NS	100	101	101	
Thallium	NS	0.0111	NS	100	102	102	

NS = Not spiked
*** = Recovery of spiked element is outside acceptance limit of 80% - 120% of true value.**
 # = Result for unspiked element is outside the acceptance limits of (+/-) the project reporting limit (RL).
+ = Result for unspiked element is outside the acceptance limits of (+/-) 2 times the project method detection limit (MDL). This criteria is only applicable to specific QAPPs.

ICS - Modified 03/06/2008
PDF File ID: 1924326
Report generated 02/23/2011 08:25

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11020447 **Analytical Method** 6020
Analytical Workgroup: WG356983 **Matrix:** 7
Instrument: ELAN-ICP **Analyst:** JYH
ICAL Date: 18-FEB-2011 11:33

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11020447-01	SAMP	18-FEB-2011 16:34	109.021	106.172	105.729	104.546
L11020447-02	SAMP	18-FEB-2011 16:41	110.011	106.313	104.823	100.878
L11020447-03	SAMP	18-FEB-2011 16:48	109.549	105.459	106.334	102.235
L11020447-04	SAMP	18-FEB-2011 16:55	108.73	106.039	106.406	104.33
L11020447-06	SAMP	18-FEB-2011 17:02	109.36	106.898	105.463	98.23
L11020447-07	SAMP	18-FEB-2011 17:08	110.545	108.731	103.047	98.18
WG356891-01	REF	18-FEB-2011 16:34	109.021	106.172	105.729	104.546
WG356891-02	BLANK	18-FEB-2011 16:21	114.202	104.075	109.689	110.011
WG356891-03	LCS	18-FEB-2011 16:28	115.407	104.845	112.982	112.15
WG356891-04	MS	18-FEB-2011 16:48	109.549	105.459	106.334	102.235
WG356891-05	MSD	18-FEB-2011 16:55	108.73	106.039	106.406	104.33
WG356983-01	PSPK	18-FEB-2011 17:15	105.713	109.951	101.554	95.312
WG356983-02	SERIAL	18-FEB-2011 17:22	108.971	111.171	105.332	99.473
WG356986-05	ICV	18-FEB-2011 12:00	101.216	97.503	97.798	96.153
WG356986-06	ICB	18-FEB-2011 12:08	99.396	98.245	98.489	96.297
WG356986-07	LLICV	18-FEB-2011 12:14	101.272	98.332	99.013	96.117
WG356986-08	ICS	18-FEB-2011 12:21	93.419	95.392	95.627	91.055
WG356986-10	ICS	18-FEB-2011 12:40	91.125	94.609	93.123	88.303
WG356986-11	CCV	18-FEB-2011 12:53	94.232	96.202	93.826	91.331
WG356986-12	CCB	18-FEB-2011 13:01	95.565	96.769	93.13	95.401
WG356986-17	CCV	18-FEB-2011 16:07	107.15	101.261	103.435	100.843
WG356986-18	CCB	18-FEB-2011 16:14	112.321	103.13	108.946	105.784
WG356986-19	CCV	18-FEB-2011 17:29	106.503	105.446	102.343	98.145
WG356986-20	CCB	18-FEB-2011 17:36	110.02	109.942	108.574	105.339

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1924322
Report generated: 02/23/2011 08:25

Microbac Laboratories Inc.

INTERNAL STANDARD REPORT

Login: L11020447 **Analytical Method** 6020
Analytical Workgroup: WG356974 **Matrix:** 1
Instrument: ELAN-ICP **Analyst:** JYH
ICAL Date: 22-FEB-2011 09:36

			BISMUTH	GERMANIUM	INDIUM	TERBIUM
Sample	Type	Run Date	% Rec	% Rec	% Rec	% Rec
L11020402-17	SAMP	22-FEB-2011 15:16	98.601	84.917	93.483	100.849
L11020447-05	SAMP	22-FEB-2011 16:24	110.416	86.791	99.085	108.294
WG356896-01	REF	22-FEB-2011 14:49	95.298	83.385	90.64	96.6
WG356896-02	REF	22-FEB-2011 16:11	89.24	76.876	83.062	90.517
WG356896-03	REF	22-FEB-2011 16:38	90.788	79.095	86.426	92.624
WG356896-04	BLANK	22-FEB-2011 14:29	100.37	85.352	93.725	99.012
WG356896-05	LCS	22-FEB-2011 14:36	99.272	85.134	92.472	100.294
WG356896-06	MS	22-FEB-2011 14:56	96.068	83.2	90.845	98.678
WG356896-07	MSD	22-FEB-2011 15:03	101.174	84.637	94.61	102.251
WG356896-08	MS	22-FEB-2011 16:18	97.585	80.388	89.502	99.347
WG356896-09	DUP	22-FEB-2011 16:45	93.393	81.921	88.595	97.304
WG356974-01	PSPK	22-FEB-2011 15:23	92.227	82.752	88.277	93.548
WG356974-02	SERIAL	22-FEB-2011 15:30	91.794	83.73	88.051	92.73
WG357212-05	ICV	22-FEB-2011 10:03	97.165	91.041	96.045	98.724
WG357212-06	ICB	22-FEB-2011 10:10	96.892	92.565	96.514	98.543
WG357212-07	LLICV	22-FEB-2011 10:17	95.563	92.282	96.406	96.682
WG357212-10	CCV	22-FEB-2011 10:38	94.469	90.232	93.097	94.495
WG357212-11	CCB	22-FEB-2011 10:45	93.134	89.749	93.462	95.501
WG357212-16	CCV	22-FEB-2011 13:49	94.749	83.881	89.328	94.67
WG357212-17	CCB	22-FEB-2011 13:56	96.053	85.41	89.694	95.979
WG357212-18	ICS	22-FEB-2011 10:24	93.355	89.803	91.832	93.68
WG357212-19	ICS	22-FEB-2011 10:31	90.956	88.238	92.024	92.359
WG357212-20	CCV	22-FEB-2011 15:36	89.265	84.187	87.42	90.456
WG357212-21	CCB	22-FEB-2011 15:44	90.937	84.586	86.178	88.846
WG357212-22	CCV	22-FEB-2011 16:52	98.66	85.806	93.128	99.951
WG357212-23	CCB	22-FEB-2011 16:59	101.195	86.449	93.326	101.051
WG357212-24	CCV	22-FEB-2011 18:13	110.608	93.069	103.025	109.745
WG357212-25	CCB	22-FEB-2011 18:21	111.08	93.024	102.128	108.979
WG357212-26	ICS	22-FEB-2011 18:41	101.833	91.555	98.177	102.462
WG357212-27	ICS	22-FEB-2011 18:48	103.358	91.135	101.49	106.505
WG357212-28	CCV	22-FEB-2011 18:55	111.154	93.849	101.619	110.675
WG357212-29	CCB	22-FEB-2011 19:02	108.412	94.049	102.562	110.418
WG357212-30	LLCCV	22-FEB-2011 19:09	107.338	94.774	101.079	105.876

Acceptance criteria: 30% - 120% Underlined recoveries are out of range
Acceptance criteria for CCVs and CCBs for method SW846-6020: 80% - 120%

INT_STD_ICPMS - Modified 07/28/2010
PDF File ID: 1924322
Report generated: 02/23/2011 08:25

Microbac Laboratories Inc.
LINEAR RANGE (QUARTERLY)

Login Number: L11020447 **Date:** 12/07/2010
Insturment ID: ELAN-ICP **Method:** 6020

Analyte	Integration Time (Sec.)	Concentration (ug/L)
Antimony	1.00	100.0
Arsenic	1.00	100.0
Barium	1.00	100.0
Cadmium	1.00	100.0
Chromium	1.00	100.0
Cobalt	1.00	100.0
Copper	1.00	100.0
Lead	1.00	100.0
Manganese	1.00	100.0
Nickel	1.00	100.0
Selenium	1.00	100.0
Silver	1.00	100.0
Thallium	1.00	100.0
Uranium	1.00	100.0
Vanadium	1.00	100.0
Zinc	1.00	100.0

Comments:
All analytes passed acceptance criteria at the specified concentration.

LINEAR_RANGE - Modified 03/06/2008
PDF File ID: 1924321
Report generated: 02/23/2011 08:25

2.2.2.3 Raw Data

Instrument Tuning Report

File Name: 06302008.tun
File Path: C:\Elandata\Tuning\06302008.tun

Sample Information

Sample Date/Time: Friday, February 18, 2011 08:32:32

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.026	620	2060	0.713	
Li	7.016	7.029	1585	2060	0.702	
Co	58.933	58.979	14290	1972	0.714	
Ce	139.905	139.879	33994	2015	0.726	
Tl	204.975	204.976	49689	2255	0.722	

Relative Std. Dev.

Mass	Meas. Intens. RSD
2.000	0.571
3.000	1.198
4.000	7.738
5.000	25.050
6.000	1.895
7.000	2.481
8.000	40.229
9.000	3.133
58.000	2.179
59.000	1.542
60.000	8.509
139.000	1.975
140.000	0.781
141.000	5.666
204.000	4.786
205.000	1.072
206.000	1.086

Report Date/Time: Friday, February 18, 2011 08:33:44
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Approved: February 21, 2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Friday, February 18, 2011 08:37:50
Sample Description:
Method File: C:\Elandata\Method\6020 DAILY.mth
Dataset File: C:\elandata\Dataset\021011\Sample.448
Tuning File: C:\Elandata\Tuning\06302008.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Dual Detector Mode: Dual
Acq. Dead Time(ns): 50
Current Dead Time (ns): 50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	43894.0	43894.030	411.615	0.9
	Rh	102.9	342002.6	342002.571	2339.787	0.7
	In	114.9	547174.6	547174.628	3599.213	0.7
	Pb	208.0	218302.7	218302.671	2762.656	1.3
	U	238.1	25.8	25.800	3.033	11.8
⌈>	Ba	137.9	278367.8	278367.822	1494.968	0.5
⌊	Ba++	69.0	4230.7	0.015	0.000	1.5
⌈>	Ce	139.9	353145.6	353145.557	2062.007	0.6
⌊	CeO	155.9	9133.0	0.026	0.001	3.6
	Bkgd	220.0	7.6	7.600	2.074	27.3
	Ar2	79.9	4264441.5	4264441.518	34685.936	0.8

Current Optimization File Data

Current Value	Description
0.95	Nebulizer Gas Flow
6.70	Lens Voltage
1500.00	ICP RF Power
-1834.38	Analog Stage Voltage
1000.00	Pulse Stage Voltage
20.00	Discriminator Threshold
-10.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	33	7.5	4793.5
Co	59	33	8.0	129402.2
Rh	103	33	9.0	140311.8
Pb	208	33	11.3	172960.6

Sample ID: Sample
Report Date/Time: Friday, February 18, 2011 08:39:58
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: Blank

Sample Date/Time: Friday, February 18, 2011 11:27:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22425.145					ug/L
|	Be	9	6.000					ug/L
|	Al	27	4167.537					ug/L
|>	Sc	45	273288.895					ug/L
⌈	Ti	49	56.673					ug/L
|	V	51	2349.772					ug/L
|	Cr	52	7916.213					ug/L
|	Cr	53	306.702					ug/L
|	Mn	55	343.009					ug/L
|	Co	59	57.667					ug/L
|	Ni	60	55.334					ug/L
|	Cu	65	116.335					ug/L
|	Zn	66	768.704					ug/L
|>	Ge	72	482859.367					ug/L
|	As	75	-168.358					ug/L
|	Se	77	67.334					ug/L
|	Se	82	-4.142					ug/L
⌊	Rb	85	19.000					mg/L
	Y	89	291598.270					ug/L
	Rh	103	8.333					ug/L
⌈	Mo	98	31.466					ug/L
|	Ag	107	423.013					ug/L
|	Cd	114	0.795					ug/L
|>	In	115	370011.661					ug/L
|	Sn	118	102.667					ug/L
⌊	Sb	123	194.454					ug/L
⌈	Ba	135	13.000					ug/L
|	Ce	140	40.004					ug/L
⌊>	Tb	159	519410.857					ug/L
⌈	Ho	165	10.001					ug/L
|	Tl	203	16.334					ug/L
|	Tl	205	46.671					ug/L
|	Pb	206	407.346					ug/L
|	Pb	207	370.677					ug/L
|	Pb	208	1635.735					ug/L
|	U	238	42.667					ug/L
⌊>	Bi	209	502563.895					ug/L

Sample ID: Blank
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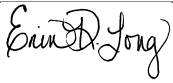

⌈	Na	23	25037.140	mg/L
|	Mg	24	430.053	mg/L
|	K	39	533253.824	mg/L
|	Ca	43	190.021	mg/L
|	Fe	54	46804.977	mg/L
|	Fe	57	6959.787	mg/L
⌊>	Sc-1	45	273288.895	mg/L
	Cl	35	18857.096	mg/L
	Kr	83	54.667	mg/L
	Br	81	8190.696	mg/L
	P	31	12085.376	mg/L
	S	34	202361.393	mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Blank
Report Date/Time: Friday, February 18, 2011 11:29:12
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Friday, February 18, 2011 11:33:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22324.935	-0.00				ug/L
|	Be	9	4.667	-0.00				ug/L
|	Al	27	4200.887	-0.00				ug/L
⌊>	Sc	45	277977.755	277977.75				ug/L
⌈	Ti	49	70.007	0.00				ug/L
|	V	51	2461.193	0.00				ug/L
|	Cr	52	8154.406	0.00				ug/L
|	Cr	53	246.694	-0.00				ug/L
|	Mn	55	377.011	0.00				ug/L
|	Co	59	57.001	-0.00				ug/L
|	Ni	60	44.334	-0.00				ug/L
|	Cu	65	114.668	-0.00				ug/L
|	Zn	66	739.701	-0.00				ug/L
|>	Ge	72	482213.864	482213.86				ug/L
|	As	75	-112.926	0.00				ug/L
|	Se	77	72.667	0.00				ug/L
|	Se	82	8.618	0.00				ug/L
⌊	Rb	85	20.334	0.00				mg/L
	Y	89	288234.234	-3364.04				ug/L
	Rh	103	7.667	-0.67				ug/L
⌈	Mo	98	18.758	-0.00				ug/L
|	Ag	107	216.671	-0.00				ug/L
|	Cd	114	3.806	0.00				ug/L
|>	In	115	362141.869	362141.87				ug/L
|	Sn	118	99.067	-0.00				ug/L
⌊	Sb	123	125.578	-0.00				ug/L
⌈	Ba	135	14.333	0.00				ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	509184.233	509184.23				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	12.333	-0.00				ug/L
|	Tl	205	20.002	-0.00				ug/L
|	Pb	206	398.679	-0.00				ug/L
|	Pb	207	352.010	-0.00				ug/L
|	Pb	208	1588.065	-0.00				ug/L
|	U	238	30.000	-0.00				ug/L
⌊>	Bi	209	493427.244	493427.24				ug/L

Sample ID: Standard 1
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⌈	Na	23	23553.401	-0.01		mg/L
|	Mg	24	406.716	-0.00		mg/L
|	K	39	535559.868	-0.02		mg/L
|	Ca	43	190.021	-0.00		mg/L
|	Fe	54	47377.647	-0.00		mg/L
|	Fe	57	6819.675	-0.00		mg/L
⌊>	Sc-1	45	277977.755	277977.75		mg/L
	Cl	35	18363.513	-493.58		mg/L
	Kr	83	44.001	-10.67		mg/L
	Br	81	8230.053	39.36		mg/L
	P	31	11399.206	-686.17		mg/L
	S	34	200387.411	-1973.98		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 1
Report Date/Time: Friday, February 18, 2011 11:35:56

Approved: February 21, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 1
Report Date/Time: Friday, February 18, 2011 11:35:56
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Friday, February 18, 2011 11:40:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21205.878	-0.01				ug/L
|	Be	9	140.668	0.00				ug/L
|	Al	27	6785.666	0.01				ug/L
⌊>	Sc	45	290083.335	290083.34				ug/L
⌈	Ti	49	543.402	0.00				ug/L
|	V	51	6653.800	0.01				ug/L
|	Cr	52	11740.005	0.01				ug/L
|	Cr	53	716.764	0.00				ug/L
|	Mn	55	5677.669	0.01				ug/L
|	Co	59	4569.089	0.01				ug/L
|	Ni	60	1040.065	0.00				ug/L
|	Cu	65	1107.406	0.00				ug/L
|	Zn	66	1642.485	0.00				ug/L
|>	Ge	72	486500.149	486500.15				ug/L
|	As	75	235.617	0.00				ug/L
|	Se	77	87.334	0.00				ug/L
|	Se	82	34.290	0.00				ug/L
⌊	Rb	85	41.667	0.00				mg/L
	Y	89	298464.977	6866.71				ug/L
	Rh	103	8.000	-0.33				ug/L
⌈	Mo	98	1944.967	0.01				ug/L
|	Ag	107	2147.585	0.00				ug/L
|	Cd	114	459.967	0.00				ug/L
|>	In	115	371153.721	371153.72				ug/L
|	Sn	118	1752.154	0.00				ug/L
⌊	Sb	123	1666.233	0.00				ug/L
⌈	Ba	135	705.699	0.00				ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	523322.048	523322.05				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	3120.185	0.01				ug/L
|	Tl	205	7410.167	0.01				ug/L
|	Pb	206	2982.141	0.01				ug/L
|	Pb	207	2820.426	0.00				ug/L
|	Pb	208	12404.478	0.02				ug/L
|	U	238	20121.093	0.04				ug/L
⌊>	Bi	209	510566.658	510566.66				ug/L

Sample ID: Standard 2
Report Date/Time: Friday, February 18, 2011 11:42:41
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⌈	Na	23	264714.324	0.82		mg/L
|	Mg	24	156463.650	0.54		mg/L
|	K	39	940092.116	1.29		mg/L
|	Ca	43	1026.822	0.00		mg/L
|	Fe	54	72866.271	0.08		mg/L
|	Fe	57	18425.478	0.04		mg/L
⌊>	Sc-1	45	290083.335	290083.34		mg/L
	Cl	35	19569.132	712.04		mg/L
	Kr	83	43.334	-11.33		mg/L
	Br	81	8559.662	368.97		mg/L
	P	31	11855.727	-229.65		mg/L
	S	34	211031.158	8669.77		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 2
Report Date/Time: Friday, February 18, 2011 11:42:41
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
Report Date/Time: Friday, February 18, 2011 11:42:41
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Friday, February 18, 2011 11:47:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20704.796	-0.01				ug/L
|	Be	9	14295.547	0.05	50.0000	1.932	3.864	ug/L
|	Al	27	300962.604	1.06	50.0000	1.315	2.629	ug/L
|>	Sc	45	279691.982	279691.98				ug/L
⌈	Ti	49	62212.469	0.13	100.0000	1.019	1.019	ug/L
|	V	51	502299.993	1.05	50.0000	0.519	1.039	ug/L
|	Cr	52	428404.951	0.88	50.0000	1.345	2.691	ug/L
|	Cr	53	49333.109	0.10	50.0000	2.499	4.997	ug/L
|	Mn	55	640293.562	1.34	50.0000	0.805	1.609	ug/L
|	Co	59	527895.079	1.11	50.0000	0.333	0.666	ug/L
|	Ni	60	112651.423	0.24	50.0000	0.673	1.346	ug/L
|	Cu	65	117035.101	0.25	50.0000	1.645	3.291	ug/L
|	Zn	66	68003.191	0.14	50.0000	1.628	3.256	ug/L
|>	Ge	72	476624.922	476624.92				ug/L
|	As	75	53016.126	0.11	50.0000	0.507	1.013	ug/L
|	Se	77	3858.745	0.01	50.0000	1.789	3.578	ug/L
|	Se	82	4769.466	0.01	50.0000	0.967	1.935	ug/L
⌊	Rb	85	2026.226	0.00				mg/L
	Y	89	288775.666	-2822.60				ug/L
	Rh	103	27.667	19.33				ug/L
⌈	Mo	98	239356.770	0.67	100.0000	3.675	3.675	ug/L
|	Ag	107	241541.180	0.68	50.0000	2.098	4.196	ug/L
|	Cd	114	54493.504	0.15	50.0000	1.841	3.682	ug/L
|>	In	115	355581.608	355581.61				ug/L
|	Sn	118	199077.522	0.56	50.0000	1.870	3.739	ug/L
⌊	Sb	123	188884.012	0.53	50.0000	1.281	2.562	ug/L
⌈	Ba	135	81877.321	0.16	50.0000	1.975	3.949	ug/L
|	Ce	140	46.671	0.00				ug/L
|>	Tb	159	498269.106	498269.11				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	380867.513	0.76	50.0000	0.182	0.364	ug/L
|	Tl	205	949846.245	1.90	50.0000	1.072	2.145	ug/L
|	Pb	206	305841.681	0.61	50.0000	0.736	1.473	ug/L
|	Pb	207	281945.282	0.56	50.0000	0.735	1.471	ug/L
|	Pb	208	1270178.373	2.54	50.0000	0.151	0.302	ug/L
|	U	238	2337906.085	4.69	50.0000	1.636	3.272	ug/L
|>	Bi	209	499118.712	499118.71				ug/L

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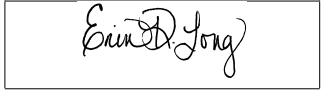

⌈	Na	23	28666224.949	102.41	5.0000	0.042	0.842	mg/L
|	Mg	24	17825543.106	63.76	5.0000	0.151	3.021	mg/L
|	K	39	43656587.063	154.13	5.0000	0.026	0.518	mg/L
|	Ca	43	97667.915	0.35	5.0000	0.143	2.869	mg/L
|	Fe	54	3181570.472	11.21	5.0000	0.138	2.754	mg/L
|	Fe	57	1318028.262	4.69	5.0000	0.099	1.972	mg/L
⌊>	Sc-1	45	279691.982	279691.98				mg/L
	Cl	35	19787.559	930.46				mg/L
	Kr	83	47.001	-7.67				mg/L
	Br	81	8094.612	-96.08				mg/L
	P	31	12384.384	299.01				mg/L
	S	34	210482.286	8120.89				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Friday, February 18, 2011 11:54:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20354.409	-0.01				ug/L
|	Be	9	28515.316	0.11	101.3756	7.705	7.600	ug/L
|	Al	27	581187.051	2.12	100.0228	3.069	3.068	ug/L
⌊>	Sc	45	272076.790	272076.79				ug/L
⌈	Ti	49	124219.590	0.27	202.1967	4.507	2.229	ug/L
|	V	51	980740.770	2.10	100.0970	0.739	0.738	ug/L
|	Cr	52	829871.967	1.77	100.0465	1.559	1.558	ug/L
|	Cr	53	95550.588	0.20	99.7161	1.354	1.358	ug/L
|	Mn	55	1262993.671	2.71	100.4963	0.572	0.569	ug/L
|	Co	59	1033422.282	2.22	100.1152	1.359	1.357	ug/L
|	Ni	60	219278.590	0.47	99.8398	2.862	2.867	ug/L
|	Cu	65	225120.235	0.48	99.2628	1.712	1.725	ug/L
|	Zn	66	131894.483	0.28	100.0292	0.296	0.296	ug/L
|>	Ge	72	465516.894	465516.89				ug/L
|	As	75	103711.849	0.22	99.9768	0.618	0.618	ug/L
|	Se	77	7451.442	0.02	99.7724	0.903	0.905	ug/L
|	Se	82	9356.099	0.02	100.1815	0.432	0.431	ug/L
⌊	Rb	85	3988.836	0.01				mg/L
	Y	89	287218.598	-4379.67				ug/L
	Rh	103	40.667	32.33				ug/L
⌈	Mo	98	475623.230	1.31	197.3469	2.446	1.239	ug/L
|	Ag	107	463914.622	1.28	96.9937	1.153	1.189	ug/L
|	Cd	114	110116.264	0.30	99.5428	2.528	2.540	ug/L
|>	In	115	362576.988	362576.99				ug/L
|	Sn	118	393757.473	1.09	98.4598	1.310	1.330	ug/L
⌊	Sb	123	375628.159	1.04	98.7382	0.666	0.674	ug/L
⌈	Ba	135	161440.254	0.33	99.4578	0.841	0.846	ug/L
|	Ce	140	80.008	0.00				ug/L
⌊>	Tb	159	496278.826	496278.83				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	738969.524	1.50	99.0447	4.492	4.535	ug/L
|	Tl	205	1876692.339	3.80	99.9757	7.256	7.257	ug/L
|	Pb	206	600148.848	1.22	99.6428	5.123	5.141	ug/L
|	Pb	207	556992.033	1.13	99.9461	1.501	1.502	ug/L
|	Pb	208	2492217.301	5.04	99.6071	2.176	2.185	ug/L
|	U	238	4754277.426	9.63	101.3533	2.824	2.787	ug/L
⌊>	Bi	209	494085.305	494085.30				ug/L

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⌈	Na	23	56335559.935	207.30	10.0599	0.441	4.383	mg/L
|	Mg	24	35070080.954	129.10	10.0625	0.400	3.978	mg/L
|	K	39	84210561.237	307.97	9.9964	0.332	3.320	mg/L
|	Ca	43	181208.741	0.67	9.7763	0.427	4.370	mg/L
|	Fe	54	6144867.614	22.48	10.0124	0.769	7.685	mg/L
|	Fe	57	2498097.697	9.18	9.8924	0.519	5.250	mg/L
⌊>	Sc-1	45	272076.790	272076.79				mg/L
	Cl	35	19591.844	734.75				mg/L
	Kr	83	47.667	-7.00				mg/L
	Br	81	7713.643	-477.05				mg/L
	P	31	12351.048	265.67				mg/L
	S	34	204410.530	2049.14				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 4
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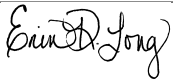

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
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Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Friday, February 18, 2011 12:00:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19752.896	-0.01				ug/L
|	Be	9	14246.824	0.05	49.5549	2.358	4.757	ug/L
|	Al	27	294406.053	1.05	49.3438	2.445	4.955	ug/L
⌊>	Sc	45	277329.613	277329.61				ug/L
⌈	Ti	49	63426.881	0.13	102.0764	2.012	1.971	ug/L
|	V	51	502757.936	1.06	50.6177	0.581	1.147	ug/L
|	Cr	52	431949.999	0.90	51.0263	1.077	2.112	ug/L
|	Cr	53	50016.525	0.11	51.4641	1.998	3.882	ug/L
|	Mn	55	640854.494	1.36	50.4045	1.093	2.169	ug/L
|	Co	59	527268.714	1.12	50.5011	0.775	1.534	ug/L
|	Ni	60	111208.497	0.24	50.0492	1.020	2.039	ug/L
|	Cu	65	113713.140	0.24	49.5413	0.939	1.896	ug/L
|	Zn	66	67423.557	0.14	50.1636	0.255	0.507	ug/L
| >	Ge	72	470799.986	470799.99				ug/L
|	As	75	53563.836	0.11	51.1467	0.416	0.813	ug/L
|	Se	77	3972.789	0.01	52.2587	1.488	2.847	ug/L
|	Se	82	4909.872	0.01	52.0061	0.522	1.003	ug/L
⌊	Rb	85	2031.893	0.00				mg/L
	Y	89	284676.798	-6921.47				ug/L
	Rh	103	24.667	16.33				ug/L
⌈	Mo	98	242780.789	0.67	100.9535	1.887	1.869	ug/L
|	Ag	107	236131.065	0.65	49.4453	0.736	1.488	ug/L
|	Cd	114	56405.021	0.16	51.1039	1.106	2.164	ug/L
| >	In	115	361864.087	361864.09				ug/L
|	Sn	118	199976.906	0.55	50.0907	0.555	1.107	ug/L
⌊	Sb	123	187705.981	0.52	49.4380	1.475	2.983	ug/L
⌈	Ba	135	83435.136	0.17	51.0822	1.275	2.496	ug/L
|	Ce	140	63.340	0.00				ug/L
⌊>	Tb	159	499426.864	499426.86				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	379806.793	0.75	49.4271	2.263	4.578	ug/L
|	Tl	205	927991.258	1.83	47.9732	1.298	2.705	ug/L
|	Pb	206	318000.088	0.62	51.2158	1.671	3.263	ug/L
|	Pb	207	277939.496	0.55	48.3831	0.417	0.861	ug/L
|	Pb	208	1308104.368	2.57	50.7343	0.975	1.923	ug/L
|	U	238	2323171.982	4.57	48.0885	1.179	2.451	ug/L
⌊>	Bi	209	508675.830	508675.83				ug/L

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Na	23	28948902.646	104.37	5.0651	0.257	5.069	mg/L
Mg	24	17813470.269	64.30	5.0110	0.271	5.407	mg/L
K	39	44183217.057	157.51	5.1117	0.192	3.765	mg/L
Ca	43	94779.944	0.34	5.0070	0.224	4.469	mg/L
Fe	54	3225066.964	11.48	5.1141	0.387	7.568	mg/L
Fe	57	1330030.006	4.77	5.1476	0.209	4.058	mg/L
> Sc-1	45	277329.613	277329.61				mg/L
Cl	35	19716.085	858.99				mg/L
Kr	83	46.667	-8.00				mg/L
Br	81	7827.732	-362.96				mg/L
P	31	12683.381	598.01				mg/L
S	34	214099.058	11737.66				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9	99.110				
Al	27	98.688				
> Sc	45					
Ti	49	102.076				
V	51	101.235				
Cr	52	102.053				
Cr	53					
Mn	55	100.809				
Co	59	101.002				
Ni	60	100.098				
Cu	65	99.083				
Zn	66	100.327				
> Ge	72		97.503			
As	75	102.293				
Se	77					
Se	82	104.012				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.891				
Cd	114	102.208				
> In	115		97.798			
Sn	118					
Sb	123	98.876				
Ba	135	102.164				
Ce	140					
> Tb	159		96.153			
Ho	165					
Tl	203	98.854				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.469				
U	238	96.177				
> Bi	209		101.216			
Na	23	101.302				

Sample ID: QC Std 1
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|	Mg	24	100.220
|	K	39	102.233
|	Ca	43	100.140
|	Fe	54	102.282
|	Fe	57	102.952
|>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Friday, February 18, 2011 12:08:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20988.805	-0.00				ug/L
|	Be	9	9.333	0.00	-0.0349	0.016	46.388	ug/L
|	Al	27	3800.730	-0.00	-0.0469	0.074	158.086	ug/L
|>	Sc	45	271589.265	271589.26				ug/L
⌈	Ti	49	70.007	0.00	0.0650	0.014	21.835	ug/L
|	V	51	2528.525	0.00	0.0026	0.011	414.219	ug/L
|	Cr	52	8290.185	0.00	0.0232	0.036	155.978	ug/L
|	Cr	53	236.693	-0.00	-0.0749	0.006	7.939	ug/L
|	Mn	55	388.345	0.00	-0.0021	0.002	81.603	ug/L
|	Co	59	61.001	0.00	-0.0179	0.001	6.307	ug/L
|	Ni	60	44.001	-0.00	-0.0337	0.004	12.365	ug/L
|	Cu	65	119.335	0.00	-0.0158	0.002	15.553	ug/L
|	Zn	66	752.369	-0.00	-0.2370	0.011	4.713	ug/L
|>	Ge	72	474385.677	474385.68				ug/L
|	As	75	-138.427	0.00	0.0517	0.046	89.325	ug/L
|	Se	77	68.000	0.00	0.1696	0.263	155.159	ug/L
|	Se	82	4.965	0.00	0.0996	0.070	70.677	ug/L
⌊	Rb	85	22.334	0.00				mg/L
	Y	89	292458.494	860.22				ug/L
	Rh	103	9.667	1.33				ug/L
⌈	Mo	98	122.052	0.00	0.0621	0.005	8.080	ug/L
|	Ag	107	67.001	-0.00	-0.0248	0.003	10.669	ug/L
|	Cd	114	-1.091	-0.00	-0.0072	0.004	61.471	ug/L
|>	In	115	364418.937	364418.94				ug/L
|	Sn	118	299.471	0.00	0.0464	0.007	16.024	ug/L
⌊	Sb	123	457.801	0.00	0.0918	0.011	11.701	ug/L
⌈	Ba	135	17.000	0.00	-0.0019	0.003	169.007	ug/L
|	Ce	140	26.669	-0.00				ug/L
|>	Tb	159	500179.392	500179.39				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	30.667	0.00	-0.0002	0.001	364.035	ug/L
|	Tl	205	63.340	0.00	0.0220	0.001	5.590	ug/L
|	Pb	206	399.345	-0.00	-0.0134	0.004	29.135	ug/L
|	Pb	207	360.677	-0.00	-0.0260	0.004	14.907	ug/L
|	Pb	208	1615.401	-0.00	-0.0161	0.000	2.759	ug/L
|	U	238	122.335	0.00	-0.0123	0.000	1.346	ug/L
|>	Bi	209	499527.192	499527.19				ug/L

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⌈	Na	23	25134.074	0.00	0.0002	0.000	43.965	mg/L
|	Mg	24	453.389	0.00	-0.0019	0.000	0.026	mg/L
|	K	39	551144.954	0.08	0.0006	0.001	100.296	mg/L
|	Ca	43	223.358	0.00	0.0002	0.004	2604.320	mg/L
|	Fe	54	44928.961	-0.01	0.0017	0.001	44.769	mg/L
|	Fe	57	7033.176	0.00	-0.0006	0.001	96.201	mg/L
⌊>	Sc-1	45	271589.265	271589.26				mg/L
	Cl	35	18426.295	-430.80				mg/L
	Kr	83	42.334	-12.33				mg/L
	Br	81	7982.520	-208.18				mg/L
	P	31	10243.282	-1842.09				mg/L
	S	34	201616.149	-745.24				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.245			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.489			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.297			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.396			
⌈	Na	23					

Sample ID: QC Std 2
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
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Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Friday, February 18, 2011 12:14:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18233.353	-0.02				ug/L
|	Be	9	5.333	-0.00	-0.0506	0.017	32.671	ug/L
|	Al	27	3233.861	-0.00	-0.1805	0.059	32.446	ug/L
⌊>	Sc	45	290323.286	290323.29				ug/L
⌈	Ti	49	53.339	-0.00	0.0384	0.024	62.579	ug/L
|	V	51	6348.513	0.01	0.3856	0.022	5.585	ug/L
|	Cr	52	14676.242	0.01	0.7842	0.017	2.192	ug/L
|	Cr	53	913.466	0.00	0.6194	0.042	6.790	ug/L
|	Mn	55	6898.448	0.01	0.5060	0.007	1.349	ug/L
|	Co	59	4381.670	0.01	0.3926	0.006	1.481	ug/L
|	Ni	60	3693.719	0.01	1.5966	0.013	0.844	ug/L
|	Cu	65	2036.895	0.00	0.8135	0.026	3.163	ug/L
|	Zn	66	9092.556	0.02	6.0138	0.066	1.089	ug/L
| >	Ge	72	474805.436	474805.44				ug/L
|	As	75	270.349	0.00	0.4380	0.088	20.193	ug/L
|	Se	77	98.000	0.00	0.5675	0.246	43.419	ug/L
|	Se	82	44.549	0.00	0.5153	0.210	40.725	ug/L
⌊	Rb	85	20.667	0.00				mg/L
	Y	89	297822.705	6224.43				ug/L
	Rh	103	9.333	1.00				ug/L
⌈	Mo	98	78.681	0.00	0.0440	0.002	4.259	ug/L
|	Ag	107	1968.880	0.00	0.3691	0.023	6.313	ug/L
|	Cd	114	238.916	0.00	0.2077	0.008	3.712	ug/L
| >	In	115	366357.975	366357.98				ug/L
|	Sn	118	198.402	0.00	0.0210	0.003	15.716	ug/L
⌊	Sb	123	1694.321	0.00	0.4131	0.020	4.929	ug/L
⌈	Ba	135	1258.092	0.00	0.7583	0.024	3.134	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	499241.920	499241.92				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	647.361	0.00	0.0800	0.007	9.226	ug/L
|	Tl	205	1533.606	0.00	0.0980	0.012	12.663	ug/L
|	Pb	206	2843.766	0.00	0.3795	0.017	4.392	ug/L
|	Pb	207	2722.065	0.00	0.3849	0.029	7.470	ug/L
|	Pb	208	12105.702	0.02	0.3901	0.010	2.630	ug/L
|	U	238	19723.301	0.04	0.3932	0.008	1.959	ug/L
⌊>	Bi	209	508957.539	508957.54				ug/L

Sample ID: QC Std 3
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Na	23	18689.322	-0.03	-0.0012	0.000	13.088	mg/L
Mg	24	473.393	0.00	-0.0019	0.000	2.153	mg/L
K	39	544191.553	-0.08	-0.0044	0.002	36.246	mg/L
Ca	43	240.027	0.00	0.0002	0.001	557.631	mg/L
Fe	54	44169.480	-0.02	-0.0042	0.003	66.435	mg/L
Fe	57	6799.661	-0.00	-0.0033	0.002	58.830	mg/L
> Sc-1	45	290323.286	290323.29				mg/L
Cl	35	18461.026	-396.07				mg/L
Kr	83	52.001	-2.67				mg/L
Br	81	7991.197	-199.50				mg/L
P	31	10612.344	-1473.03				mg/L
S	34	199901.205	-2460.19				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	96.391				
Cr	52	98.022				
Cr	53					
Mn	55	101.190				
Co	59	98.151				
Ni	60	99.789				
Cu	65	101.688				
Zn	66	96.221				
> Ge	72		98.332			
As	75	109.510				
Se	77					
Se	82	128.828				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	92.264				
Cd	114	103.827				
> In	115		99.013			
Sn	118					
Sb	123	103.283				
Ba	135	101.107				
Ce	140					
> Tb	159		96.117			
Ho	165					
Tl	203	99.992				
Tl	205					
Pb	206					
Pb	207					
Pb	208	97.531				
U	238	98.309				
> Bi	209		101.272			
Na	23					

Sample ID: QC Std 3
Report Date/Time: Friday, February 18, 2011 12:17:12

Approved: February 21, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
Report Date/Time: Friday, February 18, 2011 12:17:12
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Friday, February 18, 2011 12:21:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20303.986	-0.00				ug/L
|	Be	9	10.667	0.00	-0.0285	0.015	52.730	ug/L
|	Al	27	25157417.320	96.91	4564.1164	160.448	3.515	ug/L
⌊>	Sc	45	259644.684	259644.68				ug/L
⌈	Ti	49	59663.411	0.13	98.1447	1.148	1.170	ug/L
|	V	51	1919.990	-0.00	-0.0527	0.024	45.987	ug/L
|	Cr	52	8285.181	0.00	0.0520	0.024	45.603	ug/L
|	Cr	53	1553.609	0.00	1.3256	0.031	2.338	ug/L
|	Mn	55	3293.242	0.01	0.2325	0.005	1.955	ug/L
|	Co	59	2024.225	0.00	0.1746	0.004	2.280	ug/L
|	Ni	60	1293.763	0.00	0.5422	0.030	5.464	ug/L
|	Cu	65	888.715	0.00	0.3289	0.025	7.543	ug/L
|	Zn	66	1325.768	0.00	0.2228	0.042	18.745	ug/L
| >	Ge	72	460611.070	460611.07				ug/L
|	As	75	-88.029	0.00	0.0977	0.065	66.454	ug/L
|	Se	77	129.334	0.00	1.0340	0.229	22.183	ug/L
|	Se	82	5.902	0.00	0.1127	0.265	235.280	ug/L
⌊	Rb	85	1813.183	0.00				mg/L
	Y	89	269465.615	-22132.66				ug/L
	Rh	103	12.000	3.67				ug/L
⌈	Mo	98	230861.759	0.65	98.1594	1.229	1.253	ug/L
|	Ag	107	102.335	-0.00	-0.0168	0.001	5.774	ug/L
|	Cd	114	110.138	0.00	0.0959	0.025	26.601	ug/L
| >	In	115	353832.063	353832.06				ug/L
|	Sn	118	213.869	0.00	0.0267	0.001	5.253	ug/L
⌊	Sb	123	256.374	0.00	0.0411	0.007	16.560	ug/L
⌈	Ba	135	59.001	0.00	0.0258	0.007	25.990	ug/L
|	Ce	140	183.353	0.00				ug/L
⌊>	Tb	159	472949.730	472949.73				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	64.334	0.00	0.0048	0.001	23.954	ug/L
|	Tl	205	103.344	0.00	0.0245	0.003	12.002	ug/L
|	Pb	206	468.016	0.00	0.0027	0.001	51.337	ug/L
|	Pb	207	409.679	0.00	-0.0126	0.006	44.348	ug/L
|	Pb	208	1846.418	0.00	-0.0023	0.001	53.711	ug/L
|	U	238	39.667	-0.00	-0.0140	0.000	0.829	ug/L
⌊>	Bi	209	469491.650	469491.65				ug/L

Approved: February 21, 2011

Na	23	67645675.019	260.51	12.6423	0.441	3.490	mg/L	
Mg	24	16957807.981	65.31	5.0898	0.063	1.239	mg/L	
K	39	42378123.461	161.28	5.2341	0.048	0.912	mg/L	
Ca	43	263595.800	1.01	14.8831	0.215	1.448	mg/L	
Fe	54	7508691.604	28.76	12.8050	0.422	3.293	mg/L	
Fe	57	3019859.913	11.60	12.5116	0.126	1.008	mg/L	
> Sc-1	45	259644.684	259644.68				mg/L	
Cl	35	1979141.733	1960284.64				mg/L	
Kr	83	49.667	-5.00				mg/L	
Br	81	7484.135	-706.56				mg/L	
P	31	1603891.154	1591805.78				mg/L	
S	34	358604.470	156243.08				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		95.392			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		95.627			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		91.055			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		93.419			
Na	23					

Sample ID: QC Std 4
Report Date/Time: Friday, February 18, 2011 12:24:00

Approved: February 21, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
Report Date/Time: Friday, February 18, 2011 12:24:00
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Data not used - solution was made incorrectly.

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Friday, February 18, 2011 12:28:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19251.905	-0.01				ug/L
|	Be	9	2887.084	0.01	10.2703	0.861	8.387	ug/L
|	Al	27	24643509.018	91.36	4302.6886	287.157	6.674	ug/L
|>	Sc	45	270136.544	270136.54				ug/L
⌈	Ti	49	59043.047	0.13	97.3193	2.034	2.090	ug/L
|	V	51	96770.256	0.21	9.7761	0.166	1.697	ug/L
|	Cr	52	87758.296	0.17	9.8513	0.127	1.288	ug/L
|	Cr	53	11374.271	0.02	11.7414	0.275	2.346	ug/L
|	Mn	55	127576.076	0.28	10.2510	0.165	1.607	ug/L
|	Co	59	102558.456	0.22	10.0414	0.269	2.676	ug/L
|	Ni	60	22086.601	0.05	10.1379	0.352	3.474	ug/L
|	Cu	65	22600.741	0.05	10.0310	0.195	1.944	ug/L
|	Zn	66	13993.257	0.03	10.0322	0.110	1.096	ug/L
|>	Ge	72	459680.502	459680.50				ug/L
|	As	75	10248.351	0.02	10.1695	0.038	0.377	ug/L
|	Se	77	872.705	0.00	11.1934	0.613	5.475	ug/L
|	Se	82	931.246	0.00	10.1422	0.431	4.250	ug/L
⌊	Rb	85	1784.844	0.00				mg/L
	Y	89	267401.816	-24196.45				ug/L
	Rh	103	16.000	7.67				ug/L
⌈	Mo	98	227638.563	0.66	99.1097	0.922	0.931	ug/L
|	Ag	107	80744.533	0.23	17.6821	0.384	2.172	ug/L
|	Cd	114	10966.330	0.03	10.3979	0.449	4.319	ug/L
|>	In	115	345544.156	345544.16				ug/L
|	Sn	118	175.202	0.00	0.0178	0.002	13.284	ug/L
⌊	Sb	123	36183.457	0.10	9.9550	0.170	1.712	ug/L
⌈	Ba	135	15182.336	0.03	9.9535	0.218	2.191	ug/L
|	Ce	140	180.020	0.00				ug/L
|>	Tb	159	465871.244	465871.24				ug/L
⌈	Ho	165	10.001	0.00				ug/L
|	Tl	203	69922.694	0.15	10.0040	0.048	0.481	ug/L
|	Tl	205	176620.549	0.38	10.0599	0.221	2.200	ug/L
|	Pb	206	60279.751	0.13	10.6168	0.125	1.178	ug/L
|	Pb	207	52643.415	0.11	10.0155	0.207	2.068	ug/L
|	Pb	208	244874.598	0.53	10.3872	0.131	1.258	ug/L
|	U	238	442370.010	0.96	10.0625	0.159	1.580	ug/L
|>	Bi	209	462231.840	462231.84				ug/L

Sample ID: QC Std 5
Report Date/Time: Friday, February 18, 2011 12:30:48
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Erin D. Long

Data not used - solution was made incorrectly.

Na	23	68964336.402	255.32	12.3905	0.400	3.227	mg/L	
Mg	24	17268683.522	64.03	4.9898	0.360	7.224	mg/L	
K	39	42256859.975	154.59	5.0168	0.157	3.122	mg/L	
Ca	43	262835.555	0.97	14.2728	0.403	2.824	mg/L	
Fe	54	7662937.419	28.22	12.5666	0.484	3.854	mg/L	
Fe	57	3107656.135	11.49	12.3848	0.397	3.202	mg/L	
Sc-1	45	270136.544	270136.54				mg/L	
Cl	35	1970757.878	1951900.78				mg/L	
Kr	83	55.001	0.33				mg/L	
Br	81	7290.657	-900.04				mg/L	
P	31	1625764.450	1613679.07				mg/L	
S	34	351391.532	149030.14				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	9.776				
Cr	52	9.851				
Cr	53					
Mn	55	10.251				
Co	59	10.041				
Ni	60	10.138				
Cu	65	10.031				
Zn	66	10.032				
Ge	72		95.200			
As	75	10.170				
Se	77					
Se	82	10.142				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	17.682				
Cd	114	10.398				
In	115		93.387			
Sn	118					
Sb	123	9.955				
Ba	135	9.953				
Ce	140					
Tb	159		89.692			
Ho	165					
Tl	203	10.004				
Tl	205					
Pb	206					
Pb	207					
Pb	208	10.387				
U	238	10.062				
Bi	209		91.975			
Na	23					

Sample ID: QC Std 5
Report Date/Time: Friday, February 18, 2011 12:30:48

Approved: February 21, 2011

Erin D. Long

Data not used - solution was made incorrectly.

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
QC Std 5	V	51	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Cr	52	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Mn	55	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Co	59	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Ni	60	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Cu	65	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Zn	66	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	As	75	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Se	82	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Ag	107	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Cd	114	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Sb	123	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Ba	135	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Tl	203	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	Pb	208	ICSAB IS OUT OF LIMITS (+/-20%)
QC Std 5	U	238	ICSAB IS OUT OF LIMITS (+/-20%)

Approved: February 21, 2011

Erin D. Long

Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Friday, February 18, 2011 12:40:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19352.108	-0.01				ug/L
|	Be	9	28069.351	0.11	103.0674	4.022	3.903	ug/L
|	Al	27	25928279.772	98.64	4645.6563	209.884	4.518	ug/L
⌊>	Sc	45	262912.031	262912.03				ug/L
⌈	Ti	49	58868.671	0.13	97.6297	0.936	0.959	ug/L
|	V	51	956895.852	2.09	99.5220	1.839	1.848	ug/L
|	Cr	52	815493.269	1.77	100.1928	1.886	1.882	ug/L
|	Cr	53	96102.514	0.21	102.2099	0.952	0.931	ug/L
|	Mn	55	1253319.715	2.74	101.6357	1.442	1.419	ug/L
|	Co	59	1005668.191	2.20	99.2998	3.154	3.177	ug/L
|	Ni	60	213334.737	0.47	98.9990	1.091	1.102	ug/L
|	Cu	65	215914.265	0.47	97.0149	1.508	1.555	ug/L
|	Zn	66	127032.712	0.28	98.1639	0.565	0.576	ug/L
| >	Ge	72	456829.766	456829.77				ug/L
|	As	75	102613.010	0.22	100.7985	1.424	1.413	ug/L
|	Se	77	7488.803	0.02	102.2092	1.310	1.281	ug/L
|	Se	82	9080.469	0.02	99.0818	0.866	0.875	ug/L
⌊	Rb	85	1797.513	0.00				mg/L
	Y	89	268747.071	-22851.20				ug/L
	Rh	103	47.334	39.00				ug/L
⌈	Mo	98	223876.189	0.65	97.7815	2.500	2.557	ug/L
|	Ag	107	406458.601	1.18	89.4364	1.694	1.894	ug/L
|	Cd	114	107481.056	0.31	102.2785	2.158	2.110	ug/L
| >	In	115	344565.321	344565.32				ug/L
|	Sn	118	408.542	0.00	0.0794	0.006	7.290	ug/L
⌊	Sb	123	361560.672	1.05	100.0348	2.542	2.542	ug/L
⌈	Ba	135	154995.232	0.34	103.3157	1.727	1.671	ug/L
|	Ce	140	230.026	0.00				ug/L
⌊>	Tb	159	458655.518	458655.52				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	690587.592	1.51	99.7860	2.334	2.339	ug/L
|	Tl	205	1739148.593	3.80	99.7982	3.414	3.421	ug/L
|	Pb	206	596531.319	1.30	106.7544	1.068	1.000	ug/L
|	Pb	207	525176.293	1.15	101.6472	0.529	0.520	ug/L
|	Pb	208	2402785.887	5.24	103.5771	0.472	0.456	ug/L
|	U	238	4344400.676	9.49	99.8934	2.183	2.186	ug/L
⌊>	Bi	209	457958.880	457958.88				ug/L

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Na	23	69997312.880	266.18	12.9172	0.178	1.381	mg/L
Mg	24	17416575.769	66.26	5.1634	0.152	2.953	mg/L
K	39	42085358.760	158.12	5.1314	0.028	0.554	mg/L
Ca	43	256051.230	0.97	14.2782	0.494	3.458	mg/L
Fe	54	7695100.753	29.11	12.9615	0.371	2.866	mg/L
Fe	57	3052966.009	11.59	12.4938	0.270	2.164	mg/L
Sc-1	45	262912.031	262912.03				mg/L
Cl	35	1938840.400	1919983.30				mg/L
Kr	83	52.667	-2.00				mg/L
Br	81	7428.765	-761.93				mg/L
P	31	1637084.182	1624998.81				mg/L
S	34	341687.735	139326.34				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	99.522				
Cr	52	100.193				
Cr	53					
Mn	55	101.636				
Co	59	99.300				
Ni	60	98.999				
Cu	65	97.015				
Zn	66	98.164				
Ge	72		94.609			
As	75	100.799				
Se	77					
Se	82	99.082				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	89.436				
Cd	114	102.278				
In	115		93.123			
Sn	118					
Sb	123	100.035				
Ba	135	103.316				
Ce	140					
Tb	159		88.303			
Ho	165					
Tl	203	99.786				
Tl	205					
Pb	206					
Pb	207					
Pb	208	103.577				
U	238	99.893				
Bi	209		91.125			
Na	23					

Sample ID: QC Std 5
Report Date/Time: Friday, February 18, 2011 12:42:20

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
Report Date/Time: Friday, February 18, 2011 12:42:20
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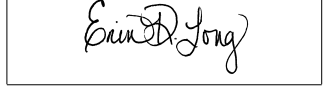

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, February 18, 2011 12:53:53
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21122.611	-0.00				ug/L
|	Be	9	14418.394	0.05	51.9005	2.020	3.892	ug/L
|	Al	27	299623.110	1.10	51.9705	1.361	2.619	ug/L
⌊>	Sc	45	267942.465	267942.46				ug/L
⌈	Ti	49	62638.518	0.13	102.2284	4.048	3.959	ug/L
|	V	51	490378.524	1.05	50.0532	1.606	3.209	ug/L
|	Cr	52	413766.323	0.87	49.5138	0.374	0.756	ug/L
|	Cr	53	48230.947	0.10	50.3080	2.392	4.754	ug/L
|	Mn	55	612480.142	1.32	48.8286	0.404	0.828	ug/L
|	Co	59	520153.733	1.12	50.5007	0.738	1.461	ug/L
|	Ni	60	109696.246	0.24	50.0395	0.631	1.260	ug/L
|	Cu	65	113066.116	0.24	49.9327	0.551	1.104	ug/L
|	Zn	66	65487.743	0.14	49.3779	0.498	1.009	ug/L
| >	Ge	72	464518.578	464518.58				ug/L
|	As	75	52396.979	0.11	50.7189	0.649	1.280	ug/L
|	Se	77	3795.387	0.01	50.5944	1.361	2.690	ug/L
|	Se	82	4782.825	0.01	51.3487	0.268	0.522	ug/L
⌊	Rb	85	1948.876	0.00				mg/L
	Y	89	279534.172	-12064.10				ug/L
	Rh	103	24.334	16.00				ug/L
⌈	Mo	98	232713.524	0.67	100.8850	3.171	3.143	ug/L
|	Ag	107	227883.401	0.66	49.7635	1.907	3.832	ug/L
|	Cd	114	52164.987	0.15	49.2316	1.757	3.569	ug/L
| >	In	115	347165.730	347165.73				ug/L
|	Sn	118	188980.106	0.54	49.3401	0.490	0.993	ug/L
⌊	Sb	123	183573.137	0.53	50.3910	0.938	1.861	ug/L
⌈	Ba	135	77956.795	0.16	50.2399	0.878	1.747	ug/L
|	Ce	140	70.007	0.00				ug/L
⌊>	Tb	159	474381.986	474381.99				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	349135.887	0.74	48.7667	1.385	2.839	ug/L
|	Tl	205	872486.524	1.84	48.4267	0.782	1.615	ug/L
|	Pb	206	286955.010	0.61	49.6118	1.649	3.325	ug/L
|	Pb	207	266321.816	0.56	49.7914	1.014	2.036	ug/L
|	Pb	208	1205564.347	2.54	50.2111	0.699	1.392	ug/L
|	U	238	2237946.576	4.73	49.7456	0.928	1.866	ug/L
⌊>	Bi	209	473575.001	473575.00				ug/L

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 12:56:06
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Na	23	28254237.242	105.38	5.1141	0.159	3.119	mg/L	
Mg	24	17882889.079	66.75	5.2015	0.130	2.498	mg/L	
K	39	43187124.141	159.21	5.1670	0.195	3.780	mg/L	
Ca	43	93467.433	0.35	5.1062	0.040	0.777	mg/L	
Fe	54	3098834.936	11.40	5.0769	0.078	1.545	mg/L	
Fe	57	1282503.188	4.76	5.1341	0.295	5.737	mg/L	
> Sc-1	45	267942.465	267942.46				mg/L	
Cl	35	19531.055	673.96				mg/L	
Kr	83	44.667	-10.00				mg/L	
Br	81	7594.890	-595.81				mg/L	
P	31	10163.193	-1922.18				mg/L	
S	34	198414.302	-3947.09				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	100.106				
Cr	52	99.028				
Cr	53					
Mn	55	97.657				
Co	59	101.001				
Ni	60	100.079				
Cu	65	99.865				
Zn	66	98.756				
> Ge	72		96.202			
As	75	101.438				
Se	77					
Se	82	102.697				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.527				
Cd	114	98.463				
> In	115		93.826			
Sn	118					
Sb	123	100.782				
Ba	135	100.480				
Ce	140					
> Tb	159		91.331			
Ho	165					
Tl	203	97.533				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.422				
U	238	99.491				
> Bi	209		94.232			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 12:56:06

Approved: February 21, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 12:56:06

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Friday, February 18, 2011 13:01:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18884.603	-0.02				ug/L
|	Be	9	10.000	0.00	-0.0339	0.001	1.686	ug/L
|	Al	27	4117.515	-0.00	-0.0198	0.027	137.634	ug/L
⌊>	Sc	45	283033.574	283033.57				ug/L
⌈	Ti	49	63.340	0.00	0.0558	0.033	58.697	ug/L
|	V	51	2452.747	0.00	-0.0013	0.008	625.858	ug/L
|	Cr	52	8101.361	0.00	0.0152	0.017	112.291	ug/L
|	Cr	53	280.032	-0.00	-0.0257	0.035	134.965	ug/L
|	Mn	55	353.010	0.00	-0.0044	0.002	35.777	ug/L
|	Co	59	63.668	0.00	-0.0175	0.001	4.022	ug/L
|	Ni	60	34.334	-0.00	-0.0378	0.002	5.725	ug/L
|	Cu	65	123.335	0.00	-0.0133	0.000	3.323	ug/L
|	Zn	66	761.703	0.00	-0.2215	0.035	15.745	ug/L
|>	Ge	72	467257.835	467257.84				ug/L
|	As	75	-141.997	0.00	0.0472	0.068	143.925	ug/L
|	Se	77	67.334	0.00	0.1752	0.253	144.366	ug/L
|	Se	82	4.287	0.00	0.0947	0.109	115.551	ug/L
⌊	Rb	85	19.334	0.00				mg/L
	Y	89	282437.754	-9160.52				ug/L
	Rh	103	9.333	1.00				ug/L
⌈	Mo	98	105.161	0.00	0.0576	0.004	7.285	ug/L
|	Ag	107	110.002	-0.00	-0.0145	0.003	21.264	ug/L
|	Cd	114	4.763	0.00	-0.0017	0.001	39.261	ug/L
|>	In	115	344590.179	344590.18				ug/L
|	Sn	118	229.069	0.00	0.0321	0.003	8.698	ug/L
⌊	Sb	123	197.787	0.00	0.0267	0.005	18.027	ug/L
⌈	Ba	135	15.000	0.00	-0.0030	0.002	58.479	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	495524.163	495524.16				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	28.334	0.00	-0.0004	0.001	203.559	ug/L
|	Tl	205	50.005	0.00	0.0214	0.001	4.467	ug/L
|	Pb	206	404.012	0.00	-0.0100	0.002	22.533	ug/L
|	Pb	207	341.343	-0.00	-0.0270	0.002	5.829	ug/L
|	Pb	208	1581.731	0.00	-0.0149	0.000	2.905	ug/L
|	U	238	114.002	0.00	-0.0124	0.000	2.440	ug/L
⌊>	Bi	209	480276.566	480276.57				ug/L

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⌈	Na	23	24402.183	-0.01	-0.0001	0.000	116.313	mg/L
|	Mg	24	423.385	-0.00	-0.0019	0.000	1.626	mg/L
|	K	39	539308.075	-0.05	-0.0034	0.002	50.119	mg/L
|	Ca	43	233.360	0.00	0.0002	0.004	1986.152	mg/L
|	Fe	54	45255.861	-0.01	-0.0007	0.004	585.636	mg/L
|	Fe	57	7306.733	0.00	-0.0007	0.001	125.316	mg/L
⌊>	Sc-1	45	283033.574	283033.57				mg/L
	Cl	35	18656.724	-200.37				mg/L
	Kr	83	43.667	-11.00				mg/L
	Br	81	8040.570	-150.13				mg/L
	P	31	11123.518	-961.86				mg/L
	S	34	197087.166	-5274.23				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		96.769			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.130			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.401			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.565			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 13:03:20

Approved: February 21, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 13:03:20
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: PBW 46 WG356783-02

Sample Date/Time: Friday, February 18, 2011 13:07:53
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21974.217	-0.01				ug/L
|	Be	9	8.667	0.00	-0.0392	0.025	64.395	ug/L
|	Al	27	10839.270	0.02	1.0619	0.252	23.701	ug/L
⌊>	Sc	45	289275.798	289275.80				ug/L
⌈	Ti	49	73.341	0.00	0.0709	0.079	111.172	ug/L
|	V	51	2571.643	0.00	0.0081	0.006	71.086	ug/L
|	Cr	52	9739.505	0.00	0.2017	0.013	6.456	ug/L
|	Cr	53	370.044	0.00	0.0640	0.109	170.004	ug/L
|	Mn	55	1106.072	0.00	0.0544	0.003	5.859	ug/L
|	Co	59	99.335	0.00	-0.0142	0.001	6.131	ug/L
|	Ni	60	214.671	0.00	0.0430	0.011	26.530	ug/L
|	Cu	65	537.687	0.00	0.1664	0.014	8.423	ug/L
|	Zn	66	3340.591	0.01	1.7169	0.037	2.179	ug/L
| >	Ge	72	472071.328	472071.33				ug/L
|	As	75	-162.403	0.00	0.0289	0.007	24.295	ug/L
|	Se	77	72.000	0.00	0.2302	0.142	61.674	ug/L
|	Se	82	5.957	0.00	0.1111	0.043	38.500	ug/L
⌊	Rb	85	46.667	0.00				mg/L
	Y	89	291864.464	266.19				ug/L
	Rh	103	8.333	-0.00				ug/L
⌈	Mo	98	106.499	0.00	0.0555	0.003	5.795	ug/L
|	Ag	107	40.334	-0.00	-0.0304	0.002	6.459	ug/L
|	Cd	114	1.670	0.00	-0.0047	0.003	57.654	ug/L
| >	In	115	365626.414	365626.41				ug/L
|	Sn	118	375.474	0.00	0.0650	0.001	2.246	ug/L
⌊	Sb	123	252.663	0.00	0.0378	0.003	8.279	ug/L
⌈	Ba	135	81.001	0.00	0.0365	0.006	15.557	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	507570.560	507570.56				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	21.000	0.00	-0.0016	0.001	62.129	ug/L
|	Tl	205	56.672	0.00	0.0216	0.000	1.532	ug/L
|	Pb	206	463.349	0.00	-0.0038	0.005	138.828	ug/L
|	Pb	207	434.680	0.00	-0.0137	0.003	19.767	ug/L
|	Pb	208	1891.089	0.00	-0.0060	0.001	17.234	ug/L
|	U	238	94.001	0.00	-0.0129	0.000	2.681	ug/L
⌊>	Bi	209	504987.856	504987.86				ug/L

Sample ID: PBW 46 WG356783-02
Report Date/Time: Friday, February 18, 2011 13:10:04
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⌈	Na	23	67436.686	0.14	0.0070	0.000	5.019	mg/L
|	Mg	24	14775.738	0.05	0.0019	0.000	7.977	mg/L
|	K	39	561615.747	-0.01	-0.0022	0.001	42.770	mg/L
|	Ca	43	493.395	0.00	0.0131	0.003	21.314	mg/L
|	Fe	54	101661.004	0.18	0.0848	0.016	18.713	mg/L
|	Fe	57	7893.905	0.00	0.0009	0.001	165.137	mg/L
⌊>	Sc-1	45	289275.798	289275.80				mg/L
	Cl	35	47949.354	29092.26				mg/L
	Kr	83	43.334	-11.33				mg/L
	Br	81	8408.870	218.17				mg/L
	P	31	21223.857	9138.48				mg/L
	S	34	197946.058	-4415.34				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.766			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.815			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.720			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.482			
⌈	Na	23					

Sample ID: PBW 46 WG356783-02
Report Date/Time: Friday, February 18, 2011 13:10:04

Approved: February 21, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 46 WG356783-02
Report Date/Time: Friday, February 18, 2011 13:10:04
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000225

Sample Date/Time: Friday, February 18, 2011 13:14:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22358.379	-0.01				ug/L
|	Be	9	7217.944	0.02	23.4808	1.374	5.852	ug/L
|	Al	27	195698.498	0.65	30.4335	1.059	3.480	ug/L
|>	Sc	45	296002.177	296002.18				ug/L
⌈	Ti	49	280.033	0.00	0.4032	0.250	62.030	ug/L
|	V	51	268375.664	0.57	26.9640	0.933	3.461	ug/L
|	Cr	52	233389.563	0.48	27.1852	0.479	1.764	ug/L
|	Cr	53	26758.440	0.06	27.4400	0.726	2.647	ug/L
|	Mn	55	357542.211	0.76	28.1639	0.140	0.497	ug/L
|	Co	59	279126.655	0.59	26.7837	0.982	3.666	ug/L
|	Ni	60	58172.630	0.12	26.2104	0.473	1.803	ug/L
|	Cu	65	60873.728	0.13	26.5421	0.513	1.933	ug/L
|	Zn	66	35875.597	0.07	26.3738	0.189	0.718	ug/L
|>	Ge	72	469844.913	469844.91				ug/L
|	As	75	25091.984	0.05	24.1063	0.254	1.052	ug/L
|	Se	77	1770.823	0.00	22.9399	0.512	2.233	ug/L
|	Se	82	2108.175	0.00	22.4068	0.450	2.008	ug/L
⌊	Rb	85	118.335	0.00				mg/L
	Y	89	297522.747	5924.48				ug/L
	Rh	103	20.667	12.33				ug/L
⌈	Mo	98	59.165	0.00	0.0357	0.003	9.234	ug/L
|	Ag	107	119433.519	0.32	24.4162	0.275	1.127	ug/L
|	Cd	114	27042.540	0.07	23.9320	0.918	3.837	ug/L
|>	In	115	370373.716	370373.72				ug/L
|	Sn	118	212.402	0.00	0.0239	0.002	10.180	ug/L
⌊	Sb	123	94875.772	0.26	24.3939	0.238	0.975	ug/L
⌈	Ba	135	42503.239	0.08	25.4473	1.005	3.951	ug/L
|	Ce	140	180.020	0.00				ug/L
|>	Tb	159	510752.188	510752.19				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	195028.917	0.38	24.9905	0.975	3.902	ug/L
|	Tl	205	470898.906	0.91	23.9832	0.266	1.107	ug/L
|	Pb	206	166113.393	0.32	26.3093	0.541	2.055	ug/L
|	Pb	207	148346.785	0.29	25.4038	0.542	2.133	ug/L
|	Pb	208	688921.203	1.33	26.2837	0.314	1.193	ug/L
|	U	238	1259005.052	2.44	25.6600	0.263	1.027	ug/L
|>	Bi	209	516286.669	516286.67				ug/L

Sample ID: L1102000225
Report Date/Time: Friday, February 18, 2011 13:16:48
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Na	23	100843.119	0.25	0.0122	0.001	5.256	mg/L
Mg	24	48699.829	0.16	0.0108	0.000	2.192	mg/L
K	39	639389.683	0.21	0.0049	0.002	37.351	mg/L
Ca	43	826.784	0.00	0.0290	0.004	14.148	mg/L
Fe	54	98499.278	0.16	0.0764	0.010	12.916	mg/L
Fe	57	8474.441	0.00	0.0023	0.001	49.341	mg/L
> Sc-1	45	296002.177	296002.18				mg/L
Cl	35	158484.692	139627.60				mg/L
Kr	83	47.334	-7.33				mg/L
Br	81	14170.034	5979.34				mg/L
P	31	25100.695	13015.32				mg/L
S	34	203132.313	770.92				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.305			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		100.098			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		98.333			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		102.731			
Na	23					

Sample ID: L1102000225
Report Date/Time: Friday, February 18, 2011 13:16:48
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Approved: February 21, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102000225
Report Date/Time: Friday, February 18, 2011 13:16:48
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000226

Sample Date/Time: Friday, February 18, 2011 13:21:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22124.456	-0.01				ug/L
|	Be	9	7255.967	0.02	23.8442	0.842	3.529	ug/L
|	Al	27	226009.421	0.76	35.6259	0.644	1.807	ug/L
|>	Sc	45	292979.928	292979.93				ug/L
⌈	Ti	49	390.052	0.00	0.5793	0.625	107.824	ug/L
|	V	51	262609.400	0.55	26.2623	0.797	3.034	ug/L
|	Cr	52	231591.281	0.47	26.8506	0.445	1.657	ug/L
|	Cr	53	26694.940	0.06	27.2618	0.958	3.512	ug/L
|	Mn	55	342606.564	0.73	26.8774	0.263	0.980	ug/L
|	Co	59	278262.315	0.59	26.5855	0.463	1.743	ug/L
|	Ni	60	59229.485	0.13	26.5750	0.135	0.508	ug/L
|	Cu	65	62096.498	0.13	26.9676	0.332	1.233	ug/L
|	Zn	66	35613.000	0.07	26.0644	0.442	1.696	ug/L
|>	Ge	72	471761.540	471761.54				ug/L
|	As	75	25321.543	0.05	24.2256	0.138	0.569	ug/L
|	Se	77	1785.493	0.00	23.0355	0.709	3.080	ug/L
|	Se	82	2099.851	0.00	22.2236	0.791	3.558	ug/L
⌊	Rb	85	254.339	0.00				mg/L
	Y	89	294409.269	2811.00				ug/L
	Rh	103	17.334	9.00				ug/L
⌈	Mo	98	42.941	0.00	0.0293	0.001	4.775	ug/L
|	Ag	107	117160.515	0.32	24.1871	0.246	1.018	ug/L
|	Cd	114	27645.230	0.08	24.7050	0.386	1.563	ug/L
|>	In	115	366736.273	366736.27				ug/L
|	Sn	118	155.335	0.00	0.0103	0.001	9.522	ug/L
⌊	Sb	123	94524.252	0.26	24.5429	0.128	0.521	ug/L
⌈	Ba	135	42299.030	0.08	25.1228	0.905	3.602	ug/L
|	Ce	140	116.679	0.00				ug/L
|>	Tb	159	514904.216	514904.22				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	199066.375	0.39	25.8544	0.438	1.695	ug/L
|	Tl	205	495871.441	0.97	25.6064	0.465	1.815	ug/L
|	Pb	206	170118.419	0.33	27.3158	0.595	2.178	ug/L
|	Pb	207	148220.516	0.29	25.7328	0.864	3.358	ug/L
|	Pb	208	693584.939	1.36	26.8314	0.252	0.937	ug/L
|	U	238	1256868.276	2.47	25.9733	0.289	1.112	ug/L
|>	Bi	209	509199.530	509199.53				ug/L

Sample ID: L1102000226
Report Date/Time: Friday, February 18, 2011 13:23:33
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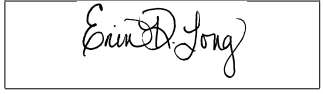


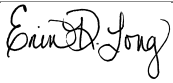
Na	23	100580.272	0.25	0.0123	0.001	4.476	mg/L	
Mg	24	63936.840	0.22	0.0150	0.000	2.383	mg/L	
K	39	634245.048	0.21	0.0050	0.001	13.665	mg/L	
Ca	43	860.123	0.00	0.0311	0.002	7.708	mg/L	
Fe	54	100453.448	0.17	0.0807	0.005	5.912	mg/L	
Fe	57	8824.775	0.00	0.0039	0.001	15.194	mg/L	
> Sc-1	45	292979.928	292979.93				mg/L	
Cl	35	41046.737	22189.64				mg/L	
Kr	83	46.001	-8.67				mg/L	
Br	81	8512.289	321.59				mg/L	
P	31	21483.393	9398.02				mg/L	
S	34	194320.772	-8040.62				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		97.702			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		99.115			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.132			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		101.320			
Na	23					

Sample ID: L1102000226
Report Date/Time: Friday, February 18, 2011 13:23:33

Approved: February 21, 2011



|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000227

Sample Date/Time: Friday, February 18, 2011 13:28:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23494.322	-0.00				ug/L
|	Be	9	7055.158	0.02	23.5631	1.044	4.432	ug/L
|	Al	27	163561.462	0.55	26.0167	0.941	3.618	ug/L
⌊>	Sc	45	288280.493	288280.49				ug/L
⌈	Ti	49	90.009	0.00	0.0971	0.043	44.348	ug/L
|	V	51	263799.385	0.55	26.1973	0.139	0.530	ug/L
|	Cr	52	227584.264	0.46	26.1820	0.452	1.725	ug/L
|	Cr	53	26093.277	0.05	26.4525	0.570	2.157	ug/L
|	Mn	55	339816.358	0.71	26.4727	0.166	0.626	ug/L
|	Co	59	274163.501	0.58	26.0131	0.562	2.162	ug/L
|	Ni	60	57832.012	0.12	25.7660	0.390	1.513	ug/L
|	Cu	65	61549.199	0.13	26.5389	0.467	1.758	ug/L
|	Zn	66	36849.150	0.08	26.8014	0.324	1.211	ug/L
| >	Ge	72	475082.658	475082.66				ug/L
|	As	75	24932.671	0.05	23.6916	0.463	1.955	ug/L
|	Se	77	1768.156	0.00	22.6407	0.048	0.213	ug/L
|	Se	82	2097.890	0.00	22.0462	0.441	2.001	ug/L
⌊	Rb	85	47.001	0.00				mg/L
	Y	89	289191.105	-2407.17				ug/L
	Rh	103	16.334	8.00				ug/L
⌈	Mo	98	37.758	0.00	0.0271	0.003	9.523	ug/L
|	Ag	107	117336.123	0.32	24.2089	0.633	2.615	ug/L
|	Cd	114	27573.761	0.08	24.6275	0.680	2.761	ug/L
| >	In	115	366962.364	366962.36				ug/L
|	Sn	118	201.202	0.00	0.0216	0.002	9.388	ug/L
⌊	Sb	123	92499.139	0.25	24.0017	0.183	0.763	ug/L
⌈	Ba	135	42186.923	0.08	24.8033	0.183	0.737	ug/L
|	Ce	140	86.676	0.00				ug/L
⌊>	Tb	159	519731.502	519731.50				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	200656.401	0.39	25.9596	0.562	2.165	ug/L
|	Tl	205	480284.570	0.94	24.6989	0.373	1.511	ug/L
|	Pb	206	169521.020	0.33	27.1094	0.389	1.437	ug/L
|	Pb	207	150175.348	0.29	25.9671	0.606	2.335	ug/L
|	Pb	208	689646.125	1.35	26.5678	0.365	1.374	ug/L
|	U	238	1257756.750	2.46	25.8851	0.632	2.443	ug/L
⌊>	Bi	209	511297.301	511297.30				ug/L

Sample ID: L1102000227
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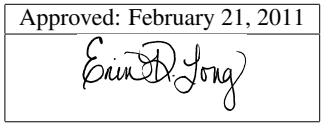

⌈	Na	23	65688.364	0.14	0.0067	0.000	2.179	mg/L
|	Mg	24	22283.712	0.08	0.0040	0.000	2.534	mg/L
|	K	39	558348.866	-0.01	-0.0024	0.001	60.459	mg/L
|	Ca	43	813.448	0.00	0.0295	0.003	11.163	mg/L
|	Fe	54	99316.483	0.17	0.0815	0.007	8.541	mg/L
|	Fe	57	7623.672	0.00	-0.0000	0.002	3471.322	mg/L
⌊>	Sc-1	45	288280.493	288280.49				mg/L
	Cl	35	29103.627	10246.53				mg/L
	Kr	83	41.334	-13.33				mg/L
	Br	81	9489.843	1299.15				mg/L
	P	31	22422.563	10337.19				mg/L
	S	34	195946.335	-6415.06				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.389			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.176			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.062			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.738			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102000227
Report Date/Time: Friday, February 18, 2011 13:30:19
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000228

Sample Date/Time: Friday, February 18, 2011 13:34:53
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25432.582	0.00				ug/L
|	Be	9	7497.481	0.03	24.3449	0.985	4.048	ug/L
|	Al	27	231653.922	0.77	36.1071	1.448	4.011	ug/L
⌊>	Sc	45	296464.272	296464.27				ug/L
⌈	Ti	49	230.026	0.00	0.3229	0.016	4.840	ug/L
|	V	51	261193.116	0.55	26.1271	0.506	1.935	ug/L
|	Cr	52	232353.719	0.48	26.9501	0.624	2.314	ug/L
|	Cr	53	27199.664	0.06	27.7840	0.309	1.111	ug/L
|	Mn	55	335258.774	0.71	26.3061	0.623	2.367	ug/L
|	Co	59	276831.576	0.59	26.4536	0.510	1.926	ug/L
|	Ni	60	58764.428	0.12	26.3720	0.524	1.985	ug/L
|	Cu	65	60497.719	0.13	26.2747	0.114	0.433	ug/L
|	Zn	66	35422.650	0.07	25.9246	0.266	1.027	ug/L
| >	Ge	72	471702.959	471702.96				ug/L
|	As	75	24691.174	0.05	23.6302	0.590	2.496	ug/L
|	Se	77	1708.813	0.00	22.0220	0.992	4.506	ug/L
|	Se	82	2117.539	0.00	22.4140	0.773	3.448	ug/L
⌊	Rb	85	259.673	0.00				mg/L
	Y	89	289207.881	-2390.39				ug/L
	Rh	103	12.667	4.33				ug/L
⌈	Mo	98	39.676	0.00	0.0280	0.002	5.986	ug/L
|	Ag	107	116535.443	0.32	24.0904	0.244	1.014	ug/L
|	Cd	114	27550.115	0.08	24.6552	0.057	0.232	ug/L
| >	In	115	366212.692	366212.69				ug/L
|	Sn	118	147.201	0.00	0.0083	0.002	23.991	ug/L
⌊	Sb	123	94059.607	0.26	24.4577	0.249	1.019	ug/L
⌈	Ba	135	41770.501	0.08	24.6704	0.475	1.926	ug/L
|	Ce	140	93.343	0.00				ug/L
⌊>	Tb	159	517428.957	517428.96				ug/L
⌈	Ho	165	0.000	-0.00				ug/L
|	Tl	203	198576.574	0.39	25.6190	0.750	2.929	ug/L
|	Tl	205	496796.560	0.97	25.4539	0.624	2.450	ug/L
|	Pb	206	170694.411	0.33	27.2062	0.787	2.893	ug/L
|	Pb	207	149766.499	0.29	25.8182	0.443	1.716	ug/L
|	Pb	208	688020.193	1.34	26.4227	0.417	1.578	ug/L
|	U	238	1249747.236	2.44	25.6301	0.380	1.483	ug/L
⌊>	Bi	209	512965.071	512965.07				ug/L

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⌈	Na	23	83898.929	0.19	0.0094	0.000	0.862	mg/L
|	Mg	24	46887.825	0.16	0.0103	0.001	5.565	mg/L
|	K	39	612346.761	0.11	0.0018	0.001	39.359	mg/L
|	Ca	43	770.107	0.00	0.0262	0.003	11.924	mg/L
|	Fe	54	101654.890	0.17	0.0808	0.004	5.026	mg/L
|	Fe	57	7970.645	0.00	0.0004	0.001	337.260	mg/L
⌊>	Sc-1	45	296464.272	296464.27				mg/L
	Cl	35	30929.096	12072.00				mg/L
	Kr	83	44.001	-10.67				mg/L
	Br	81	8723.813	533.12				mg/L
	P	31	24007.117	11921.74				mg/L
	S	34	187288.765	-15072.63				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.690			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.973			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.618			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.070			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, February 18, 2011 13:41:39
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18099.772	-0.02				ug/L
|	Be	9	13808.200	0.05	47.4373	2.361	4.978	ug/L
|	Al	27	278939.640	0.98	46.1297	2.980	6.460	ug/L
⌊>	Sc	45	280875.735	280875.74				ug/L
⌈	Ti	49	60941.280	0.13	98.0553	2.902	2.959	ug/L
|	V	51	485926.234	1.03	48.9002	0.202	0.414	ug/L
|	Cr	52	412293.044	0.86	48.6471	0.758	1.557	ug/L
|	Cr	53	47674.827	0.10	49.0218	0.975	1.989	ug/L
|	Mn	55	611512.871	1.30	48.0842	0.060	0.125	ug/L
|	Co	59	506968.008	1.08	48.5384	0.530	1.093	ug/L
|	Ni	60	107994.499	0.23	48.5849	0.592	1.218	ug/L
|	Cu	65	109672.970	0.23	47.7673	0.877	1.836	ug/L
|	Zn	66	65714.210	0.14	48.8590	0.178	0.364	ug/L
| >	Ge	72	470922.850	470922.85				ug/L
|	As	75	51961.137	0.11	49.6092	0.635	1.281	ug/L
|	Se	77	3757.374	0.01	49.3606	2.720	5.511	ug/L
|	Se	82	4740.473	0.01	50.2001	0.346	0.689	ug/L
⌊	Rb	85	1945.542	0.00				mg/L
	Y	89	280902.060	-10696.21				ug/L
	Rh	103	21.667	13.33				ug/L
⌈	Mo	98	231771.002	0.67	101.0517	2.132	2.110	ug/L
|	Ag	107	222112.817	0.64	48.7717	0.461	0.945	ug/L
|	Cd	114	53855.619	0.16	51.1432	2.020	3.949	ug/L
| >	In	115	345082.559	345082.56				ug/L
|	Sn	118	188309.266	0.55	49.4612	0.925	1.870	ug/L
⌊	Sb	123	183161.078	0.53	50.5715	0.259	0.511	ug/L
⌈	Ba	135	77789.194	0.17	50.5146	0.747	1.478	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	470785.302	470785.30				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	347289.228	0.73	48.4913	0.383	0.791	ug/L
|	Tl	205	887750.843	1.87	49.2470	0.108	0.220	ug/L
|	Pb	206	285430.865	0.60	49.3228	1.059	2.146	ug/L
|	Pb	207	267758.683	0.56	50.0471	1.424	2.844	ug/L
|	Pb	208	1199330.643	2.53	49.9281	0.823	1.648	ug/L
|	U	238	2225609.843	4.70	49.4505	1.654	3.344	ug/L
⌊>	Bi	209	473795.558	473795.56				ug/L

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Na	23	28203114.680	100.45	4.8747	0.326	6.689	mg/L
Mg	24	17519194.879	62.43	4.8646	0.201	4.130	mg/L
K	39	42365997.112	149.02	4.8362	0.222	4.592	mg/L
Ca	43	92515.254	0.33	4.8233	0.144	2.988	mg/L
Fe	54	3099704.505	10.87	4.8436	0.140	2.886	mg/L
Fe	57	1246115.202	4.42	4.7613	0.292	6.130	mg/L
Sc-1	45	280875.735	280875.74				mg/L
Cl	35	18497.093	-360.00				mg/L
Kr	83	44.334	-10.33				mg/L
Br	81	7960.502	-230.19				mg/L
P	31	10380.056	-1705.32				mg/L
S	34	194445.862	-7915.53				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	97.800				
Cr	52	97.294				
Cr	53					
Mn	55	96.168				
Co	59	97.077				
Ni	60	97.170				
Cu	65	95.535				
Zn	66	97.718				
Ge	72		97.528			
As	75	99.218				
Se	77					
Se	82	100.400				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	97.543				
Cd	114	102.286				
In	115		93.263			
Sn	118					
Sb	123	101.143				
Ba	135	101.029				
Ce	140					
Tb	159		90.638			
Ho	165					
Tl	203	96.983				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.856				
U	238	98.901				
Bi	209		94.276			
Na	23					

Sample ID: QC Std 6
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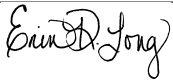

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 13:43:51
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Friday, February 18, 2011 13:48:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20370.769	-0.01				ug/L
|	Be	9	8.000	0.00	-0.0393	0.001	1.715	ug/L
|	Al	27	3600.654	-0.00	-0.0757	0.065	85.385	ug/L
⌊>	Sc	45	269090.395	269090.39				ug/L
⌈	Ti	49	46.671	-0.00	0.0284	0.033	117.711	ug/L
|	V	51	2386.909	0.00	-0.0100	0.012	116.815	ug/L
|	Cr	52	8035.976	0.00	-0.0005	0.021	3987.770	ug/L
|	Cr	53	223.358	-0.00	-0.0869	0.012	13.968	ug/L
|	Mn	55	357.677	0.00	-0.0043	0.000	10.663	ug/L
|	Co	59	53.001	-0.00	-0.0186	0.001	3.097	ug/L
|	Ni	60	44.334	-0.00	-0.0334	0.002	4.997	ug/L
|	Cu	65	111.002	-0.00	-0.0191	0.003	18.101	ug/L
|	Zn	66	733.034	-0.00	-0.2475	0.012	4.948	ug/L
| >	Ge	72	470901.232	470901.23				ug/L
|	As	75	-165.367	-0.00	0.0255	0.042	165.581	ug/L
|	Se	77	70.667	0.00	0.2140	0.197	91.912	ug/L
|	Se	82	-0.765	0.00	0.0396	0.133	335.915	ug/L
⌊	Rb	85	26.000	0.00				mg/L
	Y	89	291109.224	-489.05				ug/L
	Rh	103	8.333	0.00				ug/L
⌈	Mo	98	89.901	0.00	0.0503	0.002	4.834	ug/L
|	Ag	107	33.334	-0.00	-0.0316	0.001	3.767	ug/L
|	Cd	114	-0.481	-0.00	-0.0066	0.004	60.371	ug/L
| >	In	115	350313.643	350313.64				ug/L
|	Sn	118	262.137	0.00	0.0397	0.008	18.945	ug/L
⌊	Sb	123	110.787	-0.00	0.0021	0.001	50.406	ug/L
⌈	Ba	135	15.667	0.00	-0.0025	0.004	147.685	ug/L
|	Ce	140	30.003	-0.00				ug/L
⌊>	Tb	159	484765.361	484765.36				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	26.334	0.00	-0.0007	0.001	168.829	ug/L
|	Tl	205	63.340	0.00	0.0221	0.001	2.814	ug/L
|	Pb	206	378.011	-0.00	-0.0148	0.003	23.283	ug/L
|	Pb	207	324.009	-0.00	-0.0304	0.005	16.257	ug/L
|	Pb	208	1546.064	-0.00	-0.0167	0.003	18.701	ug/L
|	U	238	116.002	0.00	-0.0123	0.000	0.983	ug/L
⌊>	Bi	209	482680.856	482680.86				ug/L

Sample ID: QC Std 7
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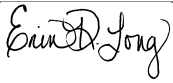

⌈	Na	23	23800.685	-0.00	-0.0000	0.000	731.181	mg/L
|	Mg	24	480.060	0.00	-0.0019	0.000	1.188	mg/L
|	K	39	549219.143	0.09	0.0010	0.002	163.555	mg/L
|	Ca	43	250.028	0.00	0.0017	0.003	154.366	mg/L
|	Fe	54	45311.239	-0.00	0.0031	0.004	121.782	mg/L
|	Fe	57	6959.786	0.00	-0.0007	0.001	141.893	mg/L
⌊>	Sc-1	45	269090.395	269090.39				mg/L
	Cl	35	18451.677	-405.42				mg/L
	Kr	83	49.667	-5.00				mg/L
	Br	81	7801.042	-389.65				mg/L
	P	31	9600.615	-2484.76				mg/L
	S	34	193183.267	-9178.13				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.523			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.676			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.330			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.044			
⌈	Na	23					

Sample ID: QC Std 7
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 13:51:06

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: PBW C4 WG356785-02

Sample Date/Time: Friday, February 18, 2011 13:55:40
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17448.767	-0.02				ug/L
|	Be	9	10.667	0.00	-0.0314	0.017	53.773	ug/L
|	Al	27	6135.223	0.01	0.3180	0.116	36.588	ug/L
⌊>	Sc	45	283208.726	283208.73				ug/L
⌈	Ti	49	63.340	0.00	0.0558	0.082	147.104	ug/L
|	V	51	2455.666	0.00	-0.0028	0.013	482.787	ug/L
|	Cr	52	7901.200	0.00	-0.0161	0.021	130.611	ug/L
|	Cr	53	206.690	-0.00	-0.1042	0.065	62.013	ug/L
|	Mn	55	473.683	0.00	0.0049	0.001	26.331	ug/L
|	Co	59	92.335	0.00	-0.0148	0.000	2.427	ug/L
|	Ni	60	96.335	0.00	-0.0100	0.001	7.190	ug/L
|	Cu	65	186.004	0.00	0.0136	0.008	58.702	ug/L
|	Zn	66	2148.586	0.00	0.8229	0.035	4.309	ug/L
| >	Ge	72	470680.941	470680.94				ug/L
|	As	75	-135.727	0.00	0.0534	0.078	145.867	ug/L
|	Se	77	74.000	0.00	0.2595	0.147	56.650	ug/L
|	Se	82	6.241	0.00	0.1140	0.152	133.056	ug/L
⌊	Rb	85	28.000	0.00				mg/L
	Y	89	288360.715	-3237.56				ug/L
	Rh	103	8.667	0.33				ug/L
⌈	Mo	98	44.831	0.00	0.0311	0.001	3.268	ug/L
|	Ag	107	78.668	-0.00	-0.0216	0.004	20.501	ug/L
|	Cd	114	4.645	0.00	-0.0018	0.003	157.913	ug/L
| >	In	115	346815.354	346815.35				ug/L
|	Sn	118	159.201	0.00	0.0135	0.001	4.464	ug/L
⌊	Sb	123	57.618	-0.00	-0.0122	0.000	0.729	ug/L
⌈	Ba	135	46.667	0.00	0.0179	0.002	8.531	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	473667.723	473667.72				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	40.334	0.00	0.0012	0.001	80.308	ug/L
|	Tl	205	63.340	0.00	0.0221	0.001	3.852	ug/L
|	Pb	206	384.678	-0.00	-0.0134	0.001	6.901	ug/L
|	Pb	207	337.009	-0.00	-0.0278	0.003	9.058	ug/L
|	Pb	208	1563.731	-0.00	-0.0157	0.002	9.893	ug/L
|	U	238	30.667	-0.00	-0.0142	0.000	0.365	ug/L
⌊>	Bi	209	480781.823	480781.82				ug/L

Sample ID: PBW C4 WG356785-02
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⌈	Na	23	34352.435	0.03	0.0016	0.000	30.809	mg/L
|	Mg	24	11884.915	0.04	0.0012	0.000	12.074	mg/L
|	K	39	560976.044	0.03	-0.0009	0.003	279.641	mg/L
|	Ca	43	316.703	0.00	0.0045	0.003	60.146	mg/L
|	Fe	54	31955.248	-0.06	-0.0216	0.003	15.592	mg/L
|	Fe	57	7260.033	0.00	-0.0009	0.001	157.476	mg/L
⌊>	Sc-1	45	283208.726	283208.73				mg/L
	Cl	35	18785.631	-71.47				mg/L
	Kr	83	49.001	-5.67				mg/L
	Br	81	7911.798	-278.90				mg/L
	P	31	7416.784	-4668.59				mg/L
	S	34	187914.772	-14446.62				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		97.478			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.731			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.193			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.666			
⌈	Na	23					

Sample ID: PBW C4 WG356785-02
Report Date/Time: Friday, February 18, 2011 13:57:52
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW C4 WG356785-02
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Method 6020 - Summary Report

Sample ID: L1102000241

Sample Date/Time: Friday, February 18, 2011 14:02:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19402.687	-0.01				ug/L
|	Be	9	1439.437	0.01	4.8917	0.224	4.575	ug/L
|	Al	27	48048.519	0.16	7.3780	0.262	3.555	ug/L
⌊>	Sc	45	280139.681	280139.68				ug/L
⌈	Ti	49	53.339	-0.00	0.0376	0.033	87.301	ug/L
|	V	51	53930.728	0.11	5.1069	0.060	1.178	ug/L
|	Cr	52	51864.416	0.09	5.1632	0.197	3.810	ug/L
|	Cr	53	5135.167	0.01	4.9029	0.280	5.717	ug/L
|	Mn	55	69425.581	0.14	5.3338	0.125	2.346	ug/L
|	Co	59	53824.353	0.11	5.0411	0.082	1.620	ug/L
|	Ni	60	11697.290	0.02	5.1218	0.127	2.489	ug/L
|	Cu	65	12285.665	0.03	5.1958	0.046	0.892	ug/L
|	Zn	66	10313.085	0.02	6.8542	0.040	0.589	ug/L
|>	Ge	72	479419.244	479419.24				ug/L
|	As	75	5528.451	0.01	5.3489	0.213	3.989	ug/L
|	Se	77	478.011	0.00	5.5319	0.353	6.382	ug/L
|	Se	82	520.567	0.00	5.4596	0.630	11.536	ug/L
⌊	Rb	85	73.668	0.00				mg/L
	Y	89	298818.661	7220.39				ug/L
	Rh	103	7.000	-1.33				ug/L
⌈	Mo	98	35.722	0.00	0.0271	0.003	10.042	ug/L
|	Ag	107	22885.064	0.06	4.9572	0.191	3.857	ug/L
|	Cd	114	5872.877	0.02	5.5346	0.033	0.604	ug/L
|>	In	115	347459.094	347459.09				ug/L
|	Sn	118	215.469	0.00	0.0279	0.020	70.041	ug/L
⌊	Sb	123	19303.012	0.06	5.2686	0.130	2.463	ug/L
⌈	Ba	135	8297.525	0.02	5.2605	0.133	2.533	ug/L
|	Ce	140	136.681	0.00				ug/L
⌊>	Tb	159	481174.396	481174.40				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	37570.518	0.08	5.2287	0.102	1.955	ug/L
|	Tl	205	90920.604	0.19	5.0486	0.123	2.438	ug/L
|	Pb	206	31449.043	0.07	5.3508	0.126	2.355	ug/L
|	Pb	207	27562.208	0.06	5.0581	0.031	0.616	ug/L
|	Pb	208	129578.786	0.27	5.3098	0.073	1.380	ug/L
|	U	238	232128.088	0.49	5.1306	0.050	0.980	ug/L
⌊>	Bi	209	474948.423	474948.42				ug/L

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⌈	Na	23	37353.370	0.04	0.0022	0.000	9.544	mg/L
|	Mg	24	8007.342	0.03	0.0002	0.000	23.274	mg/L
|	K	39	562424.432	0.06	-0.0000	0.003	13903.671	mg/L
|	Ca	43	393.381	0.00	0.0087	0.003	37.395	mg/L
|	Fe	54	33694.633	-0.05	-0.0183	0.001	4.600	mg/L
|	Fe	57	7873.886	0.00	0.0018	0.001	62.893	mg/L
⌊>	Sc-1	45	280139.681	280139.68				mg/L
	Cl	35	18565.220	-291.88				mg/L
	Kr	83	52.334	-2.33				mg/L
	Br	81	8482.944	292.25				mg/L
	P	31	6858.352	-5227.02				mg/L
	S	34	184854.936	-17506.46				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.288			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.905			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.638			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.505			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000241

Sample Date/Time: Friday, February 18, 2011 14:13:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20988.780	-0.01				ug/L
|	Be	9	6881.702	0.02	22.6999	1.190	5.240	ug/L
|	Al	27	231211.643	0.78	36.5950	1.759	4.806	ug/L
⌊>	Sc	45	292090.118	292090.12				ug/L
⌈	Ti	49	150.016	0.00	0.1915	0.027	14.056	ug/L
|	V	51	262846.607	0.55	25.9761	0.647	2.493	ug/L
|	Cr	52	229650.021	0.46	26.2948	0.489	1.861	ug/L
|	Cr	53	26514.422	0.05	26.7517	0.390	1.457	ug/L
|	Mn	55	347302.329	0.73	26.9251	0.133	0.496	ug/L
|	Co	59	271659.328	0.57	25.6472	0.430	1.676	ug/L
|	Ni	60	57023.692	0.12	25.2822	0.124	0.492	ug/L
|	Cu	65	59604.371	0.12	25.5769	0.194	0.757	ug/L
|	Zn	66	36863.200	0.08	26.6810	0.543	2.036	ug/L
| >	Ge	72	477375.818	477375.82				ug/L
|	As	75	25793.150	0.05	24.3860	0.205	0.839	ug/L
|	Se	77	1832.835	0.00	23.3810	0.798	3.413	ug/L
|	Se	82	2278.546	0.00	23.8282	0.758	3.182	ug/L
⌊	Rb	85	264.339	0.00				mg/L
	Y	89	298180.024	6581.75				ug/L
	Rh	103	16.667	8.33				ug/L
⌈	Mo	98	47.649	0.00	0.0315	0.003	8.151	ug/L
|	Ag	107	114390.717	0.32	24.0374	0.975	4.057	ug/L
|	Cd	114	27559.020	0.08	25.0610	0.511	2.039	ug/L
| >	In	115	360420.200	360420.20				ug/L
|	Sn	118	180.935	0.00	0.0173	0.003	18.285	ug/L
⌊	Sb	123	94810.034	0.26	25.0513	0.239	0.955	ug/L
⌈	Ba	135	41668.057	0.08	24.9651	0.601	2.408	ug/L
|	Ce	140	416.717	0.00				ug/L
⌊>	Tb	159	510140.536	510140.54				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	195784.141	0.39	25.8064	0.546	2.117	ug/L
|	Tl	205	474279.870	0.95	24.8509	0.794	3.196	ug/L
|	Pb	206	163900.994	0.33	26.7004	0.192	0.718	ug/L
|	Pb	207	142332.230	0.28	25.0687	0.302	1.206	ug/L
|	Pb	208	658939.440	1.31	25.8587	0.274	1.061	ug/L
|	U	238	1231059.324	2.45	25.8051	0.700	2.713	ug/L
⌊>	Bi	209	501918.305	501918.30				ug/L

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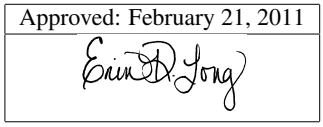

⌈	Na	23	104180.617	0.27	0.0130	0.001	7.467	mg/L
|	Mg	24	38149.778	0.13	0.0081	0.000	3.080	mg/L
|	K	39	591784.708	0.08	0.0005	0.002	358.690	mg/L
|	Ca	43	1130.177	0.00	0.0447	0.004	9.553	mg/L
|	Fe	54	89738.337	0.14	0.0650	0.007	11.212	mg/L
|	Fe	57	12141.918	0.02	0.0163	0.001	3.618	mg/L
⌊>	Sc-1	45	292090.118	292090.12				mg/L
	Cl	35	25272.562	6415.47				mg/L
	Kr	83	47.667	-7.00				mg/L
	Br	81	9206.236	1015.54				mg/L
	P	31	17608.267	5522.89				mg/L
	S	34	191279.574	-11081.82				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.864			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.408			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.215			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.872			
⌈	Na	23					

Sample ID: L1102000241
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000242

Sample Date/Time: Friday, February 18, 2011 14:20:44
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21690.375	-0.01				ug/L
|	Be	9	7039.146	0.02	23.3629	1.633	6.991	ug/L
|	Al	27	188153.974	0.63	29.8409	1.719	5.761	ug/L
|>	Sc	45	290566.175	290566.18				ug/L
⌈	Ti	49	180.020	0.00	0.2376	0.041	17.106	ug/L
|	V	51	260682.881	0.54	25.6241	0.236	0.921	ug/L
|	Cr	52	230227.230	0.46	26.2204	0.444	1.692	ug/L
|	Cr	53	26330.588	0.05	26.4239	0.551	2.086	ug/L
|	Mn	55	344279.694	0.72	26.5521	0.580	2.185	ug/L
|	Co	59	278822.302	0.58	26.1871	0.348	1.329	ug/L
|	Ni	60	59371.043	0.12	26.1885	0.718	2.741	ug/L
|	Cu	65	61182.232	0.13	26.1192	0.545	2.085	ug/L
|	Zn	66	36582.826	0.07	26.3286	0.288	1.094	ug/L
|>	Ge	72	479896.789	479896.79				ug/L
|	As	75	25862.724	0.05	24.3233	0.595	2.447	ug/L
|	Se	77	1763.489	0.00	22.3483	0.934	4.181	ug/L
|	Se	82	2189.880	0.00	22.7837	0.699	3.067	ug/L
⌊	Rb	85	74.334	0.00				mg/L
	Y	89	292172.755	574.49				ug/L
	Rh	103	16.667	8.33				ug/L
⌈	Mo	98	44.827	0.00	0.0301	0.002	7.406	ug/L
|	Ag	107	115336.479	0.31	23.8510	0.405	1.697	ug/L
|	Cd	114	28502.534	0.08	25.5077	0.710	2.783	ug/L
|>	In	115	366152.562	366152.56				ug/L
|	Sn	118	164.401	0.00	0.0126	0.002	13.696	ug/L
⌊	Sb	123	94888.095	0.26	24.6803	0.385	1.561	ug/L
⌈	Ba	135	42441.354	0.08	25.5291	1.016	3.979	ug/L
|	Ce	140	106.678	0.00				ug/L
|>	Tb	159	508164.240	508164.24				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	196467.054	0.38	25.3644	0.494	1.949	ug/L
|	Tl	205	489370.719	0.96	25.1129	0.491	1.955	ug/L
|	Pb	206	167061.081	0.33	26.6568	0.279	1.048	ug/L
|	Pb	207	146047.721	0.28	25.1947	0.305	1.209	ug/L
|	Pb	208	677055.800	1.32	26.0245	0.391	1.502	ug/L
|	U	238	1255680.244	2.45	25.7838	0.461	1.787	ug/L
|>	Bi	209	512395.457	512395.46				ug/L

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⌈	Na	23	52104.061	0.09	0.0044	0.001	16.016	mg/L
|	Mg	24	10713.474	0.04	0.0008	0.000	18.718	mg/L
|	K	39	559856.350	-0.02	-0.0026	0.003	104.938	mg/L
|	Ca	43	383.379	0.00	0.0074	0.003	39.105	mg/L
|	Fe	54	88400.438	0.13	0.0636	0.009	14.786	mg/L
|	Fe	57	8344.326	0.00	0.0024	0.002	91.498	mg/L
⌊>	Sc-1	45	290566.175	290566.18				mg/L
	Cl	35	27704.996	8847.90				mg/L
	Kr	83	45.001	-9.67				mg/L
	Br	81	9405.756	1215.06				mg/L
	P	31	20962.002	8876.63				mg/L
	S	34	202509.328	147.93				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.386			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.957			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.835			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.956			
⌈	Na	23					

Sample ID: L1102000242
Report Date/Time: Friday, February 18, 2011 14:22:56

Approved: February 21, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102000243

Sample Date/Time: Friday, February 18, 2011 14:27:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20370.848	-0.01				ug/L
|	Be	9	6918.393	0.02	22.4953	0.237	1.055	ug/L
|	Al	27	167897.753	0.55	26.0123	0.532	2.044	ug/L
⌊>	Sc	45	296053.089	296053.09				ug/L
⌈	Ti	49	113.345	0.00	0.1342	0.052	38.543	ug/L
|	V	51	256839.547	0.54	25.4924	0.166	0.651	ug/L
|	Cr	52	223244.458	0.45	25.6533	0.116	0.452	ug/L
|	Cr	53	25177.519	0.05	25.5014	0.586	2.297	ug/L
|	Mn	55	340523.561	0.72	26.5205	0.408	1.539	ug/L
|	Co	59	277990.042	0.58	26.3684	0.647	2.452	ug/L
|	Ni	60	58208.502	0.12	25.9261	0.124	0.478	ug/L
|	Cu	65	59664.746	0.13	25.7186	0.216	0.838	ug/L
|	Zn	66	37846.528	0.08	27.5415	0.165	0.599	ug/L
|>	Ge	72	475223.549	475223.55				ug/L
|	As	75	25420.244	0.05	24.1469	0.609	2.521	ug/L
|	Se	77	1788.160	0.00	22.9024	0.952	4.159	ug/L
|	Se	82	2159.195	0.00	22.6878	0.580	2.557	ug/L
⌊	Rb	85	125.669	0.00				mg/L
	Y	89	293025.487	1427.22				ug/L
	Rh	103	19.667	11.33				ug/L
⌈	Mo	98	53.014	0.00	0.0338	0.001	3.140	ug/L
|	Ag	107	112804.211	0.31	23.7608	0.556	2.338	ug/L
|	Cd	114	27589.630	0.08	25.1500	1.188	4.724	ug/L
|>	In	115	359466.118	359466.12				ug/L
|	Sn	118	358.940	0.00	0.0624	0.004	7.205	ug/L
⌊	Sb	123	93449.885	0.26	24.7550	0.271	1.096	ug/L
⌈	Ba	135	41166.319	0.08	25.1720	0.175	0.696	ug/L
|	Ce	140	70.007	0.00				ug/L
⌊>	Tb	159	499761.632	499761.63				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	190912.110	0.38	25.2471	0.729	2.886	ug/L
|	Tl	205	463345.699	0.93	24.3586	0.936	3.841	ug/L
|	Pb	206	161275.089	0.32	26.3636	0.581	2.203	ug/L
|	Pb	207	141845.147	0.28	25.0693	0.475	1.894	ug/L
|	Pb	208	652245.234	1.30	25.6840	0.430	1.672	ug/L
|	U	238	1220626.569	2.44	25.6798	0.724	2.819	ug/L
⌊>	Bi	209	500094.609	500094.61				ug/L

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⌈	Na	23	193309.738	0.56	0.0274	0.002	8.579	mg/L
|	Mg	24	22724.747	0.08	0.0039	0.000	7.379	mg/L
|	K	39	673074.366	0.32	0.0085	0.001	17.108	mg/L
|	Ca	43	590.076	0.00	0.0173	0.002	10.618	mg/L
|	Fe	54	86415.847	0.12	0.0581	0.005	8.441	mg/L
|	Fe	57	8441.076	0.00	0.0022	0.001	46.703	mg/L
⌊>	Sc-1	45	296053.089	296053.09				mg/L
	Cl	35	33885.340	15028.24				mg/L
	Kr	83	46.334	-8.33				mg/L
	Br	81	9516.531	1325.83				mg/L
	P	31	18314.764	6229.39				mg/L
	S	34	190550.828	-11810.56				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.419			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.150			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.217			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.509			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102000244

Sample Date/Time: Friday, February 18, 2011 14:34:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21807.345	-0.01				ug/L
|	Be	9	6971.098	0.02	23.5187	1.326	5.639	ug/L
|	Al	27	158327.190	0.54	25.4194	0.926	3.643	ug/L
|>	Sc	45	285554.097	285554.10				ug/L
⌈	Ti	49	83.342	0.00	0.0851	0.048	56.036	ug/L
|	V	51	259554.577	0.54	25.5931	0.172	0.673	ug/L
|	Cr	52	225960.070	0.46	25.7993	0.025	0.096	ug/L
|	Cr	53	25648.750	0.05	25.8115	0.168	0.650	ug/L
|	Mn	55	332368.340	0.69	25.7112	0.520	2.021	ug/L
|	Co	59	271384.097	0.57	25.5661	0.424	1.659	ug/L
|	Ni	60	57588.727	0.12	25.4757	0.725	2.847	ug/L
|	Cu	65	59324.391	0.12	25.4037	0.387	1.524	ug/L
|	Zn	66	35644.772	0.07	25.7177	0.383	1.488	ug/L
|>	Ge	72	478386.655	478386.65				ug/L
|	As	75	25438.606	0.05	24.0017	0.162	0.676	ug/L
|	Se	77	1756.821	0.00	22.3289	0.307	1.375	ug/L
|	Se	82	2223.253	0.00	23.2014	0.268	1.156	ug/L
⌊	Rb	85	67.001	0.00				mg/L
	Y	89	290587.445	-1010.82				ug/L
	Rh	103	18.000	9.67				ug/L
⌈	Mo	98	32.384	0.00	0.0253	0.003	11.092	ug/L
|	Ag	107	111381.296	0.31	23.5599	0.399	1.693	ug/L
|	Cd	114	27397.701	0.08	25.0818	0.429	1.709	ug/L
|>	In	115	357976.029	357976.03				ug/L
|	Sn	118	333.472	0.00	0.0564	0.004	7.844	ug/L
⌊	Sb	123	92427.497	0.26	24.5947	0.841	3.421	ug/L
⌈	Ba	135	40764.659	0.08	24.5132	0.367	1.497	ug/L
|	Ce	140	56.672	0.00				ug/L
|>	Tb	159	508273.585	508273.58				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	193516.595	0.38	25.3372	0.735	2.900	ug/L
|	Tl	205	490699.246	0.97	25.5348	0.542	2.122	ug/L
|	Pb	206	160251.449	0.32	25.9322	0.690	2.661	ug/L
|	Pb	207	140177.659	0.28	24.5313	1.104	4.501	ug/L
|	Pb	208	653272.710	1.29	25.4663	0.737	2.894	ug/L
|	U	238	1226073.445	2.43	25.5336	0.599	2.346	ug/L
|>	Bi	209	505450.010	505450.01				ug/L

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⌈	Na	23	82480.414	0.20	0.0097	0.000	4.686	mg/L
|	Mg	24	3921.162	0.01	-0.0010	0.000	7.210	mg/L
|	K	39	576741.826	0.07	0.0003	0.001	356.597	mg/L
|	Ca	43	340.040	0.00	0.0055	0.003	58.540	mg/L
|	Fe	54	85491.813	0.13	0.0614	0.008	12.519	mg/L
|	Fe	57	8077.409	0.00	0.0020	0.002	119.763	mg/L
⌊>	Sc-1	45	285554.097	285554.10				mg/L
	Cl	35	22456.523	3599.43				mg/L
	Kr	83	41.334	-13.33				mg/L
	Br	81	9084.792	894.10				mg/L
	P	31	18548.915	6463.54				mg/L
	S	34	187561.131	-14800.26				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.074			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.747			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.856			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.574			
⌈	Na	23					

Sample ID: L1102000244
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102000244
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, February 18, 2011 14:41:05
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19903.240	-0.01				ug/L
|	Be	9	13804.859	0.05	49.6747	2.694	5.423	ug/L
|	Al	27	296532.448	1.09	51.4469	3.485	6.775	ug/L
⌊>	Sc	45	268515.766	268515.77				ug/L
⌈	Ti	49	63185.367	0.13	101.6953	3.160	3.108	ug/L
|	V	51	496596.456	1.05	49.9921	0.807	1.614	ug/L
|	Cr	52	416485.703	0.87	49.1616	0.321	0.654	ug/L
|	Cr	53	47423.715	0.10	48.7667	1.825	3.743	ug/L
|	Mn	55	634860.207	1.35	49.9315	0.417	0.834	ug/L
|	Co	59	511267.655	1.09	48.9583	1.557	3.180	ug/L
|	Ni	60	108153.740	0.23	48.6638	1.001	2.056	ug/L
|	Cu	65	112026.597	0.24	48.7995	0.580	1.189	ug/L
|	Zn	66	66090.002	0.14	49.1568	0.474	0.964	ug/L
⌊>	Ge	72	470817.152	470817.15				ug/L
|	As	75	52126.684	0.11	49.7763	0.208	0.417	ug/L
|	Se	77	3895.425	0.01	51.2225	0.198	0.387	ug/L
|	Se	82	4756.134	0.01	50.3789	0.160	0.318	ug/L
⌊	Rb	85	2054.898	0.00				mg/L
	Y	89	286319.537	-5278.73				ug/L
	Rh	103	27.667	19.33				ug/L
⌈	Mo	98	234352.488	0.67	100.9913	1.641	1.625	ug/L
|	Ag	107	229677.567	0.66	49.8557	1.115	2.236	ug/L
|	Cd	114	53920.853	0.15	50.6411	2.245	4.434	ug/L
⌊>	In	115	349114.698	349114.70				ug/L
|	Sn	118	191543.600	0.55	49.7272	0.387	0.779	ug/L
⌊	Sb	123	185694.290	0.53	50.6806	0.509	1.005	ug/L
⌈	Ba	135	78851.449	0.16	50.0931	1.176	2.348	ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	481306.564	481306.56				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	356513.218	0.75	49.8508	0.467	0.936	ug/L
|	Tl	205	882740.654	1.87	49.0447	1.352	2.756	ug/L
|	Pb	206	291511.546	0.62	50.4470	0.215	0.427	ug/L
|	Pb	207	270227.464	0.57	50.5770	0.459	0.908	ug/L
|	Pb	208	1206395.265	2.55	50.2983	0.520	1.034	ug/L
|	U	238	2215152.128	4.68	49.2879	1.794	3.641	ug/L
⌊>	Bi	209	473111.189	473111.19				ug/L

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⌈	Na	23	27195699.483	101.42	4.9218	0.277	5.621	mg/L
|	Mg	24	17046845.151	63.63	4.9587	0.291	5.861	mg/L
|	K	39	43741471.503	161.18	5.2309	0.187	3.582	mg/L
|	Ca	43	93760.286	0.35	5.1281	0.424	8.274	mg/L
|	Fe	54	3159328.411	11.63	5.1824	0.453	8.744	mg/L
|	Fe	57	1292491.635	4.80	5.1750	0.361	6.973	mg/L
⌊>	Sc-1	45	268515.766	268515.77				mg/L
	Cl	35	18373.540	-483.56				mg/L
	Kr	83	46.001	-8.67				mg/L
	Br	81	7659.601	-531.10				mg/L
	P	31	10296.683	-1788.69				mg/L
	S	34	196882.299	-5479.09				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	99.984				
|	Cr	52	98.323				
|	Cr	53					
|	Mn	55	99.863				
|	Co	59	97.917				
|	Ni	60	97.328				
|	Cu	65	97.599				
|	Zn	66	98.314				
|>	Ge	72		97.506			
|	As	75	99.553				
|	Se	77					
|	Se	82	100.758				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	99.711				
|	Cd	114	101.282				
|>	In	115		94.352			
|	Sn	118					
⌊	Sb	123	101.361				
⌈	Ba	135	100.186				
|	Ce	140					
⌊>	Tb	159		92.664			
⌈	Ho	165					
|	Tl	203	99.702				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	100.597				
|	U	238	98.576				
⌊>	Bi	209		94.140			
⌈	Na	23					

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 14:43:18

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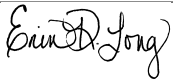

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 14:43:18
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Friday, February 18, 2011 14:48:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19903.193	-0.01				ug/L
|	Be	9	8.667	0.00	-0.0381	0.010	27.129	ug/L
|	Al	27	3717.359	-0.00	-0.0776	0.030	38.180	ug/L
|>	Sc	45	278936.912	278936.91				ug/L
⌈	Ti	49	46.671	-0.00	0.0276	0.049	178.511	ug/L
|	V	51	2456.247	0.00	-0.0068	0.008	124.636	ug/L
|	Cr	52	8260.160	0.00	0.0114	0.014	124.094	ug/L
|	Cr	53	236.693	-0.00	-0.0771	0.046	59.530	ug/L
|	Mn	55	371.344	0.00	-0.0037	0.002	50.835	ug/L
|	Co	59	59.667	0.00	-0.0180	0.001	6.122	ug/L
|	Ni	60	52.001	-0.00	-0.0303	0.006	20.025	ug/L
|	Cu	65	116.669	0.00	-0.0174	0.004	23.972	ug/L
|	Zn	66	796.373	0.00	-0.2089	0.032	15.240	ug/L
|>	Ge	72	478171.326	478171.33				ug/L
|	As	75	-153.563	0.00	0.0391	0.013	33.102	ug/L
|	Se	77	58.000	-0.00	0.0344	0.150	435.643	ug/L
|	Se	82	1.626	0.00	0.0652	0.021	32.275	ug/L
⌊	Rb	85	24.000	0.00				mg/L
	Y	89	300471.976	8873.71				ug/L
	Rh	103	9.000	0.67				ug/L
⌈	Mo	98	113.056	0.00	0.0591	0.007	11.041	ug/L
|	Ag	107	32.000	-0.00	-0.0320	0.001	3.710	ug/L
|	Cd	114	1.004	0.00	-0.0053	0.004	68.590	ug/L
|>	In	115	357967.954	357967.95				ug/L
|	Sn	118	271.070	0.00	0.0405	0.005	11.631	ug/L
⌊	Sb	123	72.950	-0.00	-0.0086	0.003	30.703	ug/L
⌈	Ba	135	18.000	0.00	-0.0011	0.002	213.267	ug/L
|	Ce	140	20.002	-0.00				ug/L
|>	Tb	159	494330.323	494330.32				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	98.668	0.00	0.0086	0.001	11.494	ug/L
|	Tl	205	233.359	0.00	0.0308	0.001	4.654	ug/L
|	Pb	206	415.346	0.00	-0.0117	0.003	28.415	ug/L
|	Pb	207	346.343	-0.00	-0.0293	0.005	18.708	ug/L
|	Pb	208	1644.070	-0.00	-0.0158	0.003	19.200	ug/L
|	U	238	128.002	0.00	-0.0122	0.000	2.367	ug/L
|>	Bi	209	506312.711	506312.71				ug/L

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⌈	Na	23	23229.292	-0.01	-0.0003	0.000	41.853	mg/L
|	Mg	24	483.394	0.00	-0.0019	0.000	0.951	mg/L
|	K	39	547474.077	0.01	-0.0016	0.000	26.466	mg/L
|	Ca	43	206.689	0.00	-0.0011	0.000	24.026	mg/L
|	Fe	54	46942.598	-0.00	0.0030	0.001	43.574	mg/L
|	Fe	57	7346.768	0.00	-0.0002	0.001	486.816	mg/L
⌊>	Sc-1	45	278936.912	278936.91				mg/L
	Cl	35	18521.143	-335.95				mg/L
	Kr	83	43.001	-11.67				mg/L
	Br	81	8081.267	-109.43				mg/L
	P	31	11467.906	-617.47				mg/L
	S	34	202674.445	313.05				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.029			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.745			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.171			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.746			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 14:50:32

Approved: February 21, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 14:50:32
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Approved: February 21, 2011

Data not used - analyzed out of turn.

Method 6020 - Summary Report

Sample ID: PBS 58 WG356891-02

Sample Date/Time: Friday, February 18, 2011 14:55:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 29
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20220.556	-0.01				ug/L
|	Be	9	5.333	-0.00	-0.0506	0.019	36.815	ug/L
|	Al	27	35395.885	0.11	5.0107	0.058	1.167	ug/L
⌊>	Sc	45	291660.039	291660.04				ug/L
⌈	Ti	49	103.344	0.00	0.1167	0.010	8.497	ug/L
|	V	51	2253.740	-0.00	-0.0279	0.054	194.250	ug/L
|	Cr	52	9549.320	0.00	0.1610	0.027	16.735	ug/L
|	Cr	53	423.385	0.00	0.1121	0.029	26.159	ug/L
|	Mn	55	2879.110	0.01	0.1901	0.007	3.757	ug/L
|	Co	59	161.003	0.00	-0.0085	0.001	8.348	ug/L
|	Ni	60	331.009	0.00	0.0930	0.006	6.178	ug/L
|	Cu	65	715.366	0.00	0.2389	0.017	7.069	ug/L
|	Zn	66	4110.553	0.01	2.2490	0.085	3.770	ug/L
| >	Ge	72	479600.406	479600.41				ug/L
|	As	75	-153.201	0.00	0.0395	0.046	115.646	ug/L
|	Se	77	60.667	-0.00	0.0662	0.182	275.099	ug/L
|	Se	82	2.583	0.00	0.0745	0.062	83.584	ug/L
⌊	Rb	85	106.668	0.00				mg/L
	Y	89	299725.175	8126.91				ug/L
	Rh	103	8.000	-0.33				ug/L
⌈	Mo	98	161.870	0.00	0.0782	0.005	6.214	ug/L
|	Ag	107	77.668	-0.00	-0.0227	0.001	4.410	ug/L
|	Cd	114	-1.068	-0.00	-0.0072	0.003	39.967	ug/L
| >	In	115	366375.756	366375.76				ug/L
|	Sn	118	579.883	0.00	0.1154	0.004	3.752	ug/L
⌊	Sb	123	78.910	-0.00	-0.0075	0.002	29.048	ug/L
⌈	Ba	135	117.002	0.00	0.0584	0.003	5.572	ug/L
|	Ce	140	210.023	0.00				ug/L
⌊>	Tb	159	506262.968	506262.97				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	280.341	0.00	0.0321	0.018	56.686	ug/L
|	Tl	205	593.415	0.00	0.0492	0.019	38.353	ug/L
|	Pb	206	496.684	0.00	0.0013	0.003	230.672	ug/L
|	Pb	207	452.348	0.00	-0.0108	0.004	36.049	ug/L
|	Pb	208	2025.101	0.00	-0.0010	0.003	286.599	ug/L
|	U	238	148.003	0.00	-0.0118	0.000	3.917	ug/L
⌊>	Bi	209	506646.089	506646.09				ug/L

Sample ID: PBS 58 WG356891-02
Report Date/Time: Friday, February 18, 2011 14:57:40
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Approved: February 21, 2011

Data not used - analyzed out of turn.

Na	23	154500.596	0.44	0.0214	0.001	6.616	mg/L	
Mg	24	12592.519	0.04	0.0013	0.000	4.362	mg/L	
K	39	612180.742	0.15	0.0029	0.000	13.392	mg/L	
Ca	43	540.069	0.00	0.0153	0.005	33.220	mg/L	
Fe	54	87099.172	0.13	0.0611	0.003	5.608	mg/L	
Fe	57	9131.752	0.01	0.0052	0.002	32.045	mg/L	
> Sc-1	45	291660.039	291660.04				mg/L	
Cl	35	34225.136	15368.04				mg/L	
Kr	83	48.001	-6.67				mg/L	
Br	81	9205.569	1014.87				mg/L	
P	31	19348.749	7263.37				mg/L	
S	34	199507.139	-2854.25				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		99.325			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		99.017			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		97.469			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		100.812			
Na	23					

Sample ID: PBS 58 WG356891-02
Report Date/Time: Friday, February 18, 2011 14:57:40
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Approved: February 21, 2011

Data not used - analyzed out of turn.

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 58 WG356891-02
Report Date/Time: Friday, February 18, 2011 14:57:40
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Approved: February 21, 2011

Data not used - analyzed out of turn.

Method 6020 - Summary Report

Sample ID: LCSS 58 WG356891-03

Sample Date/Time: Friday, February 18, 2011 15:02:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 30
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23293.889	-0.01				ug/L
|	Be	9	7242.627	0.02	22.9029	0.734	3.203	ug/L
|	Al	27	170186.471	0.54	25.6455	0.955	3.723	ug/L
|>	Sc	45	304330.187	304330.19				ug/L
⌈	Ti	49	170.020	0.00	0.2177	0.299	137.140	ug/L
|	V	51	263035.894	0.53	25.4257	0.764	3.007	ug/L
|	Cr	52	233068.432	0.46	26.0983	0.507	1.942	ug/L
|	Cr	53	25969.607	0.05	25.6187	0.425	1.659	ug/L
|	Mn	55	339480.963	0.69	25.7448	0.353	1.371	ug/L
|	Co	59	274587.307	0.56	25.3599	0.284	1.119	ug/L
|	Ni	60	59023.600	0.12	25.5997	0.217	0.848	ug/L
|	Cu	65	61138.615	0.13	25.6633	0.173	0.673	ug/L
|	Zn	66	36077.662	0.07	25.5080	0.253	0.991	ug/L
|>	Ge	72	488012.548	488012.55				ug/L
|	As	75	24940.544	0.05	23.0763	0.222	0.961	ug/L
|	Se	77	1795.495	0.00	22.3760	1.338	5.980	ug/L
|	Se	82	2131.129	0.00	21.8063	0.216	0.988	ug/L
⌊	Rb	85	63.668	0.00				mg/L
	Y	89	297019.253	5420.98				ug/L
	Rh	103	17.334	9.00				ug/L
⌈	Mo	98	51.279	0.00	0.0325	0.002	6.505	ug/L
|	Ag	107	84523.906	0.23	17.2387	0.377	2.185	ug/L
|	Cd	114	26857.183	0.07	23.7228	0.272	1.148	ug/L
|>	In	115	371043.952	371043.95				ug/L
|	Sn	118	240.270	0.00	0.0305	0.003	8.813	ug/L
⌊	Sb	123	92852.223	0.25	23.8307	0.319	1.338	ug/L
⌈	Ba	135	41410.674	0.08	24.3197	0.553	2.273	ug/L
|	Ce	140	106.678	0.00				ug/L
|>	Tb	159	520572.794	520572.79				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	193255.998	0.36	24.1010	0.511	2.120	ug/L
|	Tl	205	486798.232	0.92	24.1288	1.121	4.647	ug/L
|	Pb	206	166393.299	0.31	25.6511	0.909	3.542	ug/L
|	Pb	207	145063.674	0.27	24.1782	0.922	3.814	ug/L
|	Pb	208	674884.120	1.27	25.0622	0.873	3.485	ug/L
|	U	238	1280428.208	2.41	25.3996	0.441	1.737	ug/L
|>	Bi	209	530497.016	530497.02				ug/L

Sample ID: LCSS 58 WG356891-03
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Approved: February 21, 2011

Data not used - analyzed out of turn.

Na	23	72304.433	0.15	0.0072	0.000	1.356	mg/L	
Mg	24	9732.378	0.03	0.0004	0.000	24.315	mg/L	
K	39	550015.009	-0.14	-0.0066	0.002	24.387	mg/L	
Ca	43	436.720	0.00	0.0092	0.003	32.643	mg/L	
Fe	54	87333.055	0.12	0.0559	0.004	7.845	mg/L	
Fe	57	7880.559	0.00	-0.0006	0.001	144.621	mg/L	
> Sc-1	45	304330.187	304330.19				mg/L	
Cl	35	30097.905	11240.81				mg/L	
Kr	83	53.334	-1.33				mg/L	
Br	81	8687.774	497.08				mg/L	
P	31	20224.623	8139.25				mg/L	
S	34	197766.013	-4595.38				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		101.067			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		100.279			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		100.224			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		105.558			
Na	23					

Sample ID: LCSS 58 WG356891-03
Report Date/Time: Friday, February 18, 2011 15:04:27
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Approved: February 21, 2011

Erin D. Long

Data not used - analyzed out of turn.

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
L>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 58 WG356891-03
Report Date/Time: Friday, February 18, 2011 15:04:27
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Approved: February 21, 2011

Data not used - analyzed out of turn.

Method 6020 - Summary Report

Sample ID: L1102044701 WG356891-01

Sample Date/Time: Friday, February 18, 2011 15:09:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 31
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21924.071	-0.01				ug/L
|	Be	9	68.667	0.00	0.1509	0.025	16.440	ug/L
|	Al	27	11982745.664	39.51	1860.7815	64.069	3.443	ug/L
|>	Sc	45	303298.798	303298.80				ug/L
⌈	Ti	49	7420.166	0.01	11.2836	0.691	6.126	ug/L
|	V	51	97334.127	0.19	9.0851	0.018	0.198	ug/L
|	Cr	52	42155.427	0.07	3.8433	0.041	1.072	ug/L
|	Cr	53	4308.027	0.01	3.9095	0.196	5.002	ug/L
|	Mn	55	4494969.433	3.05	335.3860	3.105	0.926	ug/L
|	Co	59	43279.565	0.09	3.9080	0.050	1.284	ug/L
|	Ni	60	5438.200	0.01	2.2696	0.059	2.618	ug/L
|	Cu	65	8811.969	0.02	3.5774	0.065	1.810	ug/L
|	Zn	66	12036.361	0.02	7.8248	0.169	2.155	ug/L
|>	Ge	72	496577.782	496577.78				ug/L
|	As	75	1268.875	0.00	1.3271	0.077	5.796	ug/L
|	Se	77	94.667	0.00	0.4687	0.186	39.728	ug/L
|	Se	82	13.490	0.00	0.1829	0.145	79.273	ug/L
⌊	Rb	85	31768.032	0.06				mg/L
	Y	89	376872.098	85273.83				ug/L
	Rh	103	13.333	5.00				ug/L
⌈	Mo	98	299.619	0.00	0.1330	0.008	5.705	ug/L
|	Ag	107	99.001	-0.00	-0.0186	0.002	11.006	ug/L
|	Cd	114	20.551	0.00	0.0119	0.001	7.040	ug/L
|>	In	115	371567.752	371567.75				ug/L
|	Sn	118	177.068	0.00	0.0150	0.004	25.254	ug/L
⌊	Sb	123	45.991	-0.00	-0.0162	0.001	6.541	ug/L
⌈	Ba	135	38325.018	0.08	23.3099	0.288	1.236	ug/L
|	Ce	140	567532.637	1.13				ug/L
|>	Tb	159	502498.062	502498.06				ug/L
⌈	Ho	165	4731.594	0.01				ug/L
|	Tl	203	452.015	0.00	0.0544	0.003	5.624	ug/L
|	Tl	205	1056.828	0.00	0.0733	0.006	8.807	ug/L
|	Pb	206	39219.552	0.08	6.2346	0.147	2.352	ug/L
|	Pb	207	31640.975	0.06	5.4224	0.153	2.814	ug/L
|	Pb	208	150747.062	0.29	5.7666	0.030	0.512	ug/L
|	U	238	13815.012	0.03	0.2707	0.008	2.922	ug/L
|>	Bi	209	509387.195	509387.20				ug/L

Sample ID: L1102044701 WG356891-01
Report Date/Time: Friday, February 18, 2011 15:11:15
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Data not used - analyzed out of turn.

Na	23	43328.139	0.05	0.0026	0.000	16.801	mg/L	
Mg	24	932458.922	3.07	0.2377	0.008	3.426	mg/L	
K	39	1775523.003	3.90	0.1248	0.001	0.612	mg/L	
Ca	43	6119.153	0.02	0.2841	0.016	5.695	mg/L	
Fe	54	3939282.698	12.82	5.7105	0.054	0.951	mg/L	
Fe	57	1607097.506	5.27	5.6860	0.086	1.511	mg/L	
Sc-1	45	303298.798	303298.80				mg/L	
Cl	35	22053.631	3196.54				mg/L	
Kr	83	58.667	4.00				mg/L	
Br	81	8566.337	375.64				mg/L	
P	31	59008.944	46923.57				mg/L	
S	34	189310.594	-13050.80				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		102.841			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		100.421			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		96.744			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		101.358			
Na	23					

Sample ID: L1102044701 WG356891-01
Report Date/Time: Friday, February 18, 2011 15:11:15
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Erin D. Long

Data not used - analyzed out of turn.

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1102044701 WG356891-01
Report Date/Time: Friday, February 18, 2011 15:11:15
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Approved: February 21, 2011

Erin D. Long

Method 6020 - Summary Report

Sample ID: PBW 53 WG356756-02

Sample Date/Time: Friday, February 18, 2011 15:20:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21322.717	-0.01				ug/L
|	Be	9	7.333	0.00	-0.0452	0.013	29.406	ug/L
|	Al	27	17932.869	0.04	2.0064	0.275	13.731	ug/L
|>	Sc	45	311201.975	311201.98				ug/L
⌈	Ti	49	93.343	0.00	0.0942	0.058	61.232	ug/L
|	V	51	2645.147	0.00	-0.0010	0.011	1117.151	ug/L
|	Cr	52	10102.869	0.00	0.1704	0.015	8.728	ug/L
|	Cr	53	356.709	0.00	0.0272	0.072	264.434	ug/L
|	Mn	55	2920.456	0.01	0.1827	0.005	2.930	ug/L
|	Co	59	104.668	0.00	-0.0143	0.001	8.739	ug/L
|	Ni	60	194.337	0.00	0.0285	0.010	33.646	ug/L
|	Cu	65	272.340	0.00	0.0436	0.010	23.504	ug/L
|	Zn	66	4824.879	0.01	2.6116	0.054	2.079	ug/L
|>	Ge	72	503134.604	503134.60				ug/L
|	As	75	-169.508	0.00	0.0321	0.051	157.842	ug/L
|	Se	77	73.334	0.00	0.1870	0.131	70.206	ug/L
|	Se	82	8.951	0.00	0.1368	0.092	67.565	ug/L
⌊	Rb	85	52.001	0.00				mg/L
	Y	89	311102.671	19504.40				ug/L
	Rh	103	9.333	1.00				ug/L
⌈	Mo	98	35.050	0.00	0.0252	0.002	8.334	ug/L
|	Ag	107	33.667	-0.00	-0.0322	0.001	1.847	ug/L
|	Cd	114	-0.342	-0.00	-0.0065	0.002	26.345	ug/L
|>	In	115	388450.813	388450.81				ug/L
|	Sn	118	457.077	0.00	0.0786	0.002	1.994	ug/L
⌊	Sb	123	71.159	-0.00	-0.0106	0.002	21.006	ug/L
⌈	Ba	135	96.668	0.00	0.0418	0.003	6.368	ug/L
|	Ce	140	740.101	0.00				ug/L
|>	Tb	159	546994.177	546994.18				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	53.001	0.00	0.0019	0.001	69.931	ug/L
|	Tl	205	160.017	0.00	0.0261	0.002	8.402	ug/L
|	Pb	206	542.354	0.00	-0.0000	0.006	13222.941	ug/L
|	Pb	207	466.016	0.00	-0.0167	0.002	11.929	ug/L
|	Pb	208	2149.112	0.00	-0.0046	0.004	79.608	ug/L
|	U	238	79.668	0.00	-0.0134	0.000	2.580	ug/L
|>	Bi	209	563567.460	563567.46				ug/L

Sample ID: PBW 53 WG356756-02
Report Date/Time: Friday, February 18, 2011 15:22:14
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⌈	Na	23	60891.119	0.10	0.0052	0.000	6.531	mg/L
|	Mg	24	8524.490	0.03	0.0001	0.000	117.478	mg/L
|	K	39	551053.971	-0.18	-0.0078	0.001	10.509	mg/L
|	Ca	43	573.407	0.00	0.0151	0.002	14.987	mg/L
|	Fe	54	107769.944	0.18	0.0823	0.006	7.572	mg/L
|	Fe	57	8848.133	0.00	0.0021	0.001	41.071	mg/L
⌊>	Sc-1	45	311201.975	311201.98				mg/L
	Cl	35	26196.941	7339.84				mg/L
	Kr	83	44.001	-10.67				mg/L
	Br	81	9703.374	1512.68				mg/L
	P	31	26873.592	14788.22				mg/L
	S	34	208650.278	6288.88				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		104.199			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		104.983			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		105.311			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		112.138			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 53 WG356756-02
Report Date/Time: Friday, February 18, 2011 15:22:14

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Method 6020 - Summary Report

Sample ID: LCSW 53 WG356756-03

Sample Date/Time: Friday, February 18, 2011 15:26:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24981.790	-0.00				ug/L
|	Be	9	7715.649	0.02	24.0368	1.487	6.186	ug/L
|	Al	27	175832.710	0.55	26.0838	0.363	1.392	ug/L
⌊>	Sc	45	309157.468	309157.47				ug/L
⌈	Ti	49	86.676	0.00	0.0854	0.059	68.959	ug/L
|	V	51	278626.251	0.55	26.3727	0.395	1.498	ug/L
|	Cr	52	247538.755	0.48	27.1707	0.649	2.390	ug/L
|	Cr	53	27884.991	0.06	26.9377	0.956	3.549	ug/L
|	Mn	55	358198.190	0.72	26.5923	0.601	2.259	ug/L
|	Co	59	296543.368	0.59	26.8117	0.371	1.385	ug/L
|	Ni	60	62787.554	0.13	26.6587	0.629	2.359	ug/L
|	Cu	65	62454.556	0.13	25.6684	1.119	4.359	ug/L
|	Zn	66	45677.212	0.09	31.8066	0.182	0.573	ug/L
|>	Ge	72	498517.908	498517.91				ug/L
|	As	75	26235.300	0.05	23.7566	0.039	0.166	ug/L
|	Se	77	1874.843	0.00	22.8812	1.175	5.134	ug/L
|	Se	82	2185.840	0.00	21.8953	0.282	1.287	ug/L
⌊	Rb	85	53.001	0.00				mg/L
	Y	89	309542.967	17944.70				ug/L
	Rh	103	16.667	8.33				ug/L
⌈	Mo	98	47.795	0.00	0.0306	0.001	3.207	ug/L
|	Ag	107	123549.879	0.32	24.6107	0.725	2.948	ug/L
|	Cd	114	28865.309	0.08	24.8758	0.587	2.362	ug/L
|>	In	115	380195.664	380195.66				ug/L
|	Sn	118	315.605	0.00	0.0471	0.001	2.694	ug/L
⌊	Sb	123	97782.938	0.26	24.4938	0.373	1.525	ug/L
⌈	Ba	135	45168.901	0.08	25.1297	0.298	1.186	ug/L
|	Ce	140	126.680	0.00				ug/L
⌊>	Tb	159	549341.658	549341.66				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	216935.554	0.39	25.7665	1.096	4.255	ug/L
|	Tl	205	550445.403	0.99	25.9860	1.077	4.146	ug/L
|	Pb	206	185507.399	0.33	27.2330	0.994	3.651	ug/L
|	Pb	207	161364.420	0.29	25.6039	0.749	2.926	ug/L
|	Pb	208	745888.562	1.34	26.3672	0.538	2.040	ug/L
|	U	238	1433157.273	2.57	27.0541	0.108	0.400	ug/L
⌊>	Bi	209	557380.640	557380.64				ug/L

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⌈	Na	23	116101.645	0.28	0.0139	0.000	3.091	mg/L
|	Mg	24	32623.076	0.10	0.0062	0.000	6.053	mg/L
|	K	39	592347.202	-0.03	-0.0031	0.001	41.878	mg/L
|	Ca	43	900.131	0.00	0.0308	0.003	10.894	mg/L
|	Fe	54	102837.639	0.16	0.0762	0.006	7.430	mg/L
|	Fe	57	8107.439	0.00	-0.0003	0.001	433.266	mg/L
⌊>	Sc-1	45	309157.468	309157.47				mg/L
	Cl	35	26896.795	8039.70				mg/L
	Kr	83	49.667	-5.00				mg/L
	Br	81	9475.154	1284.46				mg/L
	P	31	26585.434	14500.06				mg/L
	S	34	198439.432	-3921.96				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		103.243			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.752			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		105.762			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		110.907			
⌈	Na	23					

Sample ID: LCSW 53 WG356756-03
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102039701 WG356756-04

Sample Date/Time: Friday, February 18, 2011 15:33:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 24
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26200.969	0.00				ug/L
|	Be	9	6.667	-0.00	-0.0480	0.012	25.355	ug/L
|	Al	27	109161.296	0.33	15.3992	0.652	4.236	ug/L
|>	Sc	45	319048.553	319048.55				ug/L
⌈	Ti	49	446.721	0.00	0.6522	0.084	12.916	ug/L
|	V	51	36861.170	0.07	3.3685	0.023	0.671	ug/L
|	Cr	52	24778.586	0.03	1.9272	0.032	1.641	ug/L
|	Cr	53	2383.856	0.00	2.0775	0.070	3.348	ug/L
|	Mn	55	9795.239	0.02	0.7155	0.036	5.035	ug/L
|	Co	59	424.013	0.00	0.0158	0.002	13.053	ug/L
|	Ni	60	1635.484	0.00	0.6622	0.044	6.592	ug/L
|	Cu	65	791.041	0.00	0.2667	0.104	38.852	ug/L
|	Zn	66	8289.197	0.02	5.2774	0.385	7.289	ug/L
|>	Ge	72	485042.726	485042.73				ug/L
|	As	75	868.069	0.00	0.9848	0.034	3.484	ug/L
|	Se	77	111.334	0.00	0.7134	0.064	9.014	ug/L
|	Se	82	66.285	0.00	0.7288	0.053	7.256	ug/L
⌊	Rb	85	6807.051	0.01				mg/L
	Y	89	293924.955	2326.69				ug/L
	Rh	103	69.001	60.67				ug/L
⌈	Mo	98	4259.146	0.01	1.6785	0.067	3.985	ug/L
|	Ag	107	63.001	-0.00	-0.0263	0.002	5.834	ug/L
|	Cd	114	11.740	0.00	0.0037	0.004	107.288	ug/L
|>	In	115	384730.471	384730.47				ug/L
|	Sn	118	1626.935	0.00	0.3548	0.057	16.109	ug/L
⌊	Sb	123	401.336	0.00	0.0717	0.013	18.752	ug/L
⌈	Ba	135	39255.625	0.07	21.6350	0.582	2.689	ug/L
|	Ce	140	403.382	0.00				ug/L
|>	Tb	159	554705.928	554705.93				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	71.001	0.00	0.0044	0.000	1.204	ug/L
|	Tl	205	170.019	0.00	0.0270	0.002	8.915	ug/L
|	Pb	206	823.375	0.00	0.0464	0.002	3.780	ug/L
|	Pb	207	691.031	0.00	0.0239	0.002	7.934	ug/L
|	Pb	208	3243.574	0.00	0.0390	0.004	9.162	ug/L
|	U	238	17988.684	0.03	0.3371	0.013	3.899	ug/L
|>	Bi	209	538286.928	538286.93				ug/L

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⌈	Na	23	50724106.932	159.16	7.7238	0.535	6.921	mg/L
|	Mg	24	7773020.331	24.39	1.8996	0.086	4.538	mg/L
|	K	39	8571000.589	24.92	0.8073	0.017	2.130	mg/L
|	Ca	43	269976.790	0.85	12.4124	0.388	3.125	mg/L
|	Fe	54	124002.479	0.22	0.1013	0.008	7.598	mg/L
|	Fe	57	27470.751	0.06	0.0646	0.014	21.699	mg/L
⌊>	Sc-1	45	319048.553	319048.55				mg/L
	Cl	35	166953.483	148096.39				mg/L
	Kr	83	44.001	-10.67				mg/L
	Br	81	23011.781	14821.08				mg/L
	P	31	28904.223	16818.85				mg/L
	S	34	423868.946	221507.55				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		100.452			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		103.978			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		106.795			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		107.108			
⌈	Na	23					

Sample ID: L1102039701 WG356756-04
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102039701 WG356756-04
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Method 6020 - Summary Report

Sample ID: L1102039701S WG356756-10

Sample Date/Time: Friday, February 18, 2011 15:40:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 25
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	27203.870	0.00				ug/L
|	Be	9	8057.247	0.03	24.5765	0.850	3.458	ug/L
|	Al	27	233649.063	0.72	34.1480	0.481	1.409	ug/L
|>	Sc	45	315706.510	315706.51				ug/L
⌈	Ti	49	423.385	0.00	0.6232	0.032	5.149	ug/L
|	V	51	313633.287	0.65	30.9343	0.249	0.806	ug/L
|	Cr	52	251256.076	0.51	28.7563	0.396	1.377	ug/L
|	Cr	53	28416.493	0.06	28.5943	0.503	1.759	ug/L
|	Mn	55	389101.361	0.81	30.0651	0.285	0.948	ug/L
|	Co	59	291173.996	0.61	27.3966	0.702	2.561	ug/L
|	Ni	60	63104.449	0.13	27.8869	0.176	0.630	ug/L
|	Cu	65	63333.281	0.13	27.0852	0.433	1.599	ug/L
|	Zn	66	40093.287	0.08	28.9843	0.299	1.031	ug/L
|>	Ge	72	479033.150	479033.15				ug/L
|	As	75	26508.526	0.06	24.9697	0.393	1.574	ug/L
|	Se	77	1768.823	0.00	22.4561	0.634	2.825	ug/L
|	Se	82	2192.898	0.00	22.8563	0.257	1.123	ug/L
⌊	Rb	85	6772.362	0.01				mg/L
	Y	89	288276.428	-3321.84				ug/L
	Rh	103	90.335	82.00				ug/L
⌈	Mo	98	4248.850	0.01	1.6404	0.027	1.649	ug/L
|	Ag	107	120252.543	0.31	23.2117	0.980	4.220	ug/L
|	Cd	114	28893.383	0.07	24.1354	0.303	1.255	ug/L
|>	In	115	392385.960	392385.96				ug/L
|	Sn	118	462.411	0.00	0.0788	0.005	6.448	ug/L
⌊	Sb	123	98086.361	0.25	23.8035	0.234	0.984	ug/L
⌈	Ba	135	83787.392	0.15	46.0453	1.679	3.646	ug/L
|	Ce	140	390.047	0.00				ug/L
|>	Tb	159	556660.116	556660.12				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	211220.958	0.39	26.0374	0.374	1.435	ug/L
|	Tl	205	521221.269	0.97	25.5400	0.662	2.591	ug/L
|	Pb	206	177543.706	0.33	27.0540	0.138	0.512	ug/L
|	Pb	207	156835.322	0.29	25.8422	0.597	2.310	ug/L
|	Pb	208	725696.796	1.35	26.6385	0.219	0.821	ug/L
|	U	238	1413286.894	2.63	27.7169	0.923	3.331	ug/L
|>	Bi	209	536600.006	536600.01				ug/L

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⌈	Na	23	51287958.721	162.39	7.8804	0.143	1.819	mg/L
|	Mg	24	7751279.793	24.55	1.9122	0.036	1.897	mg/L
|	K	39	8570567.505	25.20	0.8162	0.017	2.098	mg/L
|	Ca	43	276131.634	0.87	12.8228	0.318	2.479	mg/L
|	Fe	54	112898.914	0.19	0.0873	0.002	2.557	mg/L
|	Fe	57	24332.003	0.05	0.0545	0.002	3.391	mg/L
⌊>	Sc-1	45	315706.510	315706.51				mg/L
	Cl	35	117237.913	98380.82				mg/L
	Kr	83	43.001	-11.67				mg/L
	Br	81	21803.096	13612.40				mg/L
	P	31	26486.420	14401.04				mg/L
	S	34	435128.949	232767.56				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.208			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		106.047			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		107.171			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		106.772			
⌈	Na	23					

Sample ID: L1102039701S WG356756-10
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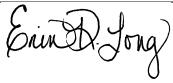

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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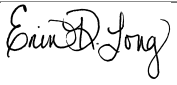

Method 6020 - Summary Report

Sample ID: L1102039701SD WG356756-11

Sample Date/Time: Friday, February 18, 2011 15:47:03
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 26
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	27922.351	0.00				ug/L
|	Be	9	8642.402	0.03	25.8658	1.652	6.387	ug/L
|	Al	27	239075.960	0.73	34.3041	2.562	7.468	ug/L
⌊>	Sc	45	322265.925	322265.93				ug/L
⌈	Ti	49	403.382	0.00	0.5904	0.081	13.661	ug/L
|	V	51	314746.434	0.65	31.0183	0.912	2.941	ug/L
|	Cr	52	258547.300	0.52	29.5894	0.575	1.944	ug/L
|	Cr	53	29576.639	0.06	29.7487	0.917	3.082	ug/L
|	Mn	55	365401.006	0.76	28.1936	0.972	3.448	ug/L
|	Co	59	299507.191	0.62	28.1455	1.105	3.926	ug/L
|	Ni	60	63686.663	0.13	28.1131	0.969	3.446	ug/L
|	Cu	65	64900.761	0.14	27.7298	0.967	3.486	ug/L
|	Zn	66	39295.133	0.08	28.3598	0.301	1.061	ug/L
| >	Ge	72	479538.956	479538.96				ug/L
|	As	75	27182.455	0.06	25.5727	0.739	2.890	ug/L
|	Se	77	1922.852	0.00	24.4569	1.959	8.011	ug/L
|	Se	82	2230.921	0.00	23.2264	1.102	4.746	ug/L
⌊	Rb	85	6911.124	0.01				mg/L
	Y	89	286800.474	-4797.80				ug/L
	Rh	103	77.001	68.67				ug/L
⌈	Mo	98	4375.797	0.01	1.6645	0.048	2.875	ug/L
|	Ag	107	123506.503	0.31	23.4808	0.519	2.210	ug/L
|	Cd	114	30295.667	0.08	24.9378	0.762	3.057	ug/L
| >	In	115	398139.556	398139.56				ug/L
|	Sn	118	229.469	0.00	0.0241	0.002	7.100	ug/L
⌊	Sb	123	101148.615	0.25	24.1874	0.338	1.396	ug/L
⌈	Ba	135	86769.398	0.15	46.3874	0.787	1.697	ug/L
|	Ce	140	333.372	0.00				ug/L
⌊>	Tb	159	571787.792	571787.79				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	224964.664	0.41	27.1796	0.497	1.830	ug/L
|	Tl	205	543658.148	0.99	26.1078	1.203	4.609	ug/L
|	Pb	206	188112.762	0.34	28.0963	0.894	3.183	ug/L
|	Pb	207	165986.357	0.30	26.8046	0.653	2.438	ug/L
|	Pb	208	760091.859	1.39	27.3468	0.667	2.440	ug/L
|	U	238	1451034.968	2.65	27.8869	0.226	0.810	ug/L
⌊>	Bi	209	547512.809	547512.81				ug/L

Sample ID: L1102039701SD WG356756-11
Report Date/Time: Friday, February 18, 2011 15:49:14
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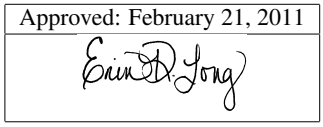

⌈	Na	23	55183798.681	171.46	8.3210	0.570	6.855	mg/L
|	Mg	24	8195593.189	25.47	1.9835	0.111	5.575	mg/L
|	K	39	8885040.535	25.66	0.8310	0.050	6.000	mg/L
|	Ca	43	279983.935	0.87	12.7542	0.736	5.770	mg/L
|	Fe	54	116204.525	0.19	0.0891	0.017	19.514	mg/L
|	Fe	57	26337.617	0.06	0.0600	0.015	24.397	mg/L
⌊>	Sc-1	45	322265.925	322265.93				mg/L
	Cl	35	152479.843	133622.75				mg/L
	Kr	83	41.334	-13.33				mg/L
	Br	81	22093.058	13902.36				mg/L
	P	31	29519.763	17434.39				mg/L
	S	34	437892.354	235530.96				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.312			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		107.602			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		110.084			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.944			
⌈	Na	23					

Sample ID: L1102039701SD WG356756-11
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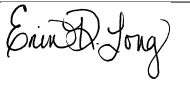

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102039701SD WG356756-11
Report Date/Time: Friday, February 18, 2011 15:49:14
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Method 6020 - Summary Report

Sample ID: L1102039701PS WG356798-03

Sample Date/Time: Friday, February 18, 2011 15:53:48
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 27
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	30396.257	0.02				ug/L
|	Be	9	17369.757	0.06	53.9068	3.645	6.762	ug/L
|	Al	27	413312.519	1.32	61.9643	5.991	9.668	ug/L
|>	Sc	45	311101.249	311101.25				ug/L
⌈	Ti	49	840.131	0.00	1.2782	0.916	71.659	ug/L
|	V	51	594736.030	1.23	58.6925	1.272	2.167	ug/L
|	Cr	52	492208.839	1.01	57.0711	0.944	1.655	ug/L
|	Cr	53	56923.968	0.12	57.4109	1.668	2.905	ug/L
|	Mn	55	735824.162	1.53	56.7004	0.459	0.809	ug/L
|	Co	59	598803.620	1.25	56.1821	0.557	0.991	ug/L
|	Ni	60	129657.250	0.27	57.1634	0.706	1.235	ug/L
|	Cu	65	127532.349	0.27	54.4346	0.434	0.798	ug/L
|	Zn	66	70565.151	0.15	51.4530	0.725	1.409	ug/L
|>	Ge	72	480604.541	480604.54				ug/L
|	As	75	53264.640	0.11	49.8304	1.084	2.176	ug/L
|	Se	77	3607.317	0.01	46.3974	0.840	1.809	ug/L
|	Se	82	4356.313	0.01	45.2138	1.941	4.292	ug/L
⌊	Rb	85	6845.412	0.01				mg/L
	Y	89	293578.146	1979.88				ug/L
	Rh	103	93.668	85.33				ug/L
⌈	Mo	98	4415.257	0.01	1.6454	0.034	2.044	ug/L
|	Ag	107	255829.383	0.63	47.6972	1.296	2.718	ug/L
|	Cd	114	60048.333	0.15	48.4335	3.477	7.178	ug/L
|>	In	115	406566.141	406566.14				ug/L
|	Sn	118	1636.134	0.00	0.3369	0.008	2.386	ug/L
⌊	Sb	123	205549.816	0.51	48.1963	1.921	3.986	ug/L
⌈	Ba	135	133111.440	0.23	70.1122	1.501	2.140	ug/L
|	Ce	140	423.385	0.00				ug/L
|>	Tb	159	580585.248	580585.25				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	449908.219	0.82	53.9249	1.409	2.613	ug/L
|	Tl	205	1107012.190	2.01	52.7102	0.994	1.885	ug/L
|	Pb	206	365424.162	0.66	54.2237	1.348	2.486	ug/L
|	Pb	207	325993.880	0.59	52.3099	2.251	4.303	ug/L
|	Pb	208	1525167.570	2.76	54.5196	1.807	3.314	ug/L
|	U	238	2783250.944	5.04	53.0879	0.742	1.397	ug/L
|>	Bi	209	551889.901	551889.90				ug/L

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⌈	Na	23	51566125.603	165.89	8.0504	0.712	8.850	mg/L
|	Mg	24	7841354.472	25.23	1.9652	0.141	7.171	mg/L
|	K	39	8552107.305	25.57	0.8282	0.059	7.124	mg/L
|	Ca	43	277440.313	0.89	13.0824	0.710	5.426	mg/L
|	Fe	54	123138.979	0.23	0.1046	0.018	17.186	mg/L
|	Fe	57	29379.459	0.07	0.0733	0.005	6.604	mg/L
⌊>	Sc-1	45	311101.249	311101.25				mg/L
	Cl	35	164191.361	145334.26				mg/L
	Kr	83	42.001	-12.67				mg/L
	Br	81	22852.754	14662.06				mg/L
	P	31	27664.226	15578.85				mg/L
	S	34	430920.143	228558.75				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		99.533			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		109.879			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		111.778			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		109.815			
⌈	Na	23					

Sample ID: L1102039701PS WG356798-03
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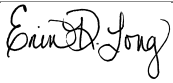

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102039701PS WG356798-03
Report Date/Time: Friday, February 18, 2011 15:56:00
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Method 6020 - Summary Report

Sample ID: L1102039701SDL WG356798-04

Sample Date/Time: Friday, February 18, 2011 16:00:34
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 28
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26869.703	0.01				ug/L
|	Be	9	7.333	0.00	-0.0443	0.013	29.740	ug/L
|	Al	27	31182.272	0.09	4.2620	0.650	15.254	ug/L
⌊>	Sc	45	296155.825	296155.83				ug/L
⌈	Ti	49	166.685	0.00	0.2112	0.209	98.862	ug/L
|	V	51	9249.697	0.01	0.6459	0.027	4.154	ug/L
|	Cr	52	11672.264	0.01	0.3796	0.050	13.302	ug/L
|	Cr	53	726.766	0.00	0.4032	0.045	11.064	ug/L
|	Mn	55	2508.340	0.00	0.1569	0.004	2.867	ug/L
|	Co	59	168.670	0.00	-0.0082	0.001	14.186	ug/L
|	Ni	60	417.013	0.00	0.1268	0.003	2.731	ug/L
|	Cu	65	300.008	0.00	0.0579	0.006	11.211	ug/L
|	Zn	66	4022.182	0.01	2.1138	0.009	0.415	ug/L
| >	Ge	72	491016.608	491016.61				ug/L
|	As	75	20.223	0.00	0.2014	0.023	11.579	ug/L
|	Se	77	78.667	0.00	0.2786	0.156	56.063	ug/L
|	Se	82	12.299	0.00	0.1729	0.092	53.283	ug/L
⌊	Rb	85	1366.774	0.00				mg/L
	Y	89	291074.674	-523.60				ug/L
	Rh	103	23.000	14.67				ug/L
⌈	Mo	98	924.691	0.00	0.3678	0.028	7.681	ug/L
|	Ag	107	52.667	-0.00	-0.0285	0.002	6.343	ug/L
|	Cd	114	11.026	0.00	0.0030	0.003	97.770	ug/L
| >	In	115	391118.650	391118.65				ug/L
|	Sn	118	387.608	0.00	0.0617	0.002	3.366	ug/L
⌊	Sb	123	425.881	0.00	0.0755	0.012	16.273	ug/L
⌈	Ba	135	8182.763	0.01	4.4267	0.016	0.368	ug/L
|	Ce	140	130.014	0.00				ug/L
⌊>	Tb	159	563613.864	563613.86				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	47.001	0.00	0.0013	0.001	47.482	ug/L
|	Tl	205	133.348	0.00	0.0250	0.002	9.467	ug/L
|	Pb	206	569.355	0.00	0.0052	0.002	34.270	ug/L
|	Pb	207	494.017	0.00	-0.0109	0.003	23.902	ug/L
|	Pb	208	2272.791	0.00	0.0010	0.001	130.285	ug/L
|	U	238	3804.762	0.01	0.0574	0.002	3.092	ug/L
⌊>	Bi	209	554238.387	554238.39				ug/L

Sample ID: L1102039701SDL WG356798-04
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⌈	Na	23	10384387.915	35.00	1.6985	0.096	5.649	mg/L
|	Mg	24	1666027.953	5.63	0.4367	0.018	4.158	mg/L
|	K	39	2136889.981	5.27	0.1690	0.007	3.890	mg/L
|	Ca	43	53350.594	0.18	2.6318	0.061	2.319	mg/L
|	Fe	54	63705.048	0.04	0.0239	0.007	27.412	mg/L
|	Fe	57	11778.117	0.01	0.0143	0.002	13.079	mg/L
⌊>	Sc-1	45	296155.825	296155.83				mg/L
	Cl	35	48761.939	29904.84				mg/L
	Kr	83	42.334	-12.33				mg/L
	Br	81	11903.750	3713.05				mg/L
	P	31	16963.128	4877.75				mg/L
	S	34	269489.207	67127.81				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		101.689			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		105.704			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		108.510			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		110.282			
⌈	Na	23					

Sample ID: L1102039701SDL WG356798-04
Report Date/Time: Friday, February 18, 2011 16:02:46
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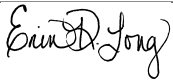

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102039701SDL WG356798-04
Report Date/Time: Friday, February 18, 2011 16:02:46
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, February 18, 2011 16:07:21
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23678.057	-0.00				ug/L
|	Be	9	15954.735	0.05	51.9219	4.137	7.968	ug/L
|	Al	27	322744.061	1.07	50.5302	1.759	3.481	ug/L
⌊>	Sc	45	296862.218	296862.22				ug/L
⌈	Ti	49	66084.258	0.14	102.4066	1.864	1.820	ug/L
|	V	51	521057.196	1.06	50.5102	0.185	0.366	ug/L
|	Cr	52	445226.249	0.89	50.6335	0.314	0.621	ug/L
|	Cr	53	50572.612	0.10	50.0912	0.584	1.166	ug/L
|	Mn	55	673800.296	1.38	51.0311	0.423	0.828	ug/L
|	Co	59	581346.411	1.19	53.6129	0.303	0.565	ug/L
|	Ni	60	121777.238	0.25	52.7706	0.247	0.469	ug/L
|	Cu	65	123569.183	0.25	51.8368	0.790	1.524	ug/L
|	Zn	66	70936.808	0.14	50.8282	0.753	1.481	ug/L
| >	Ge	72	488948.135	488948.14				ug/L
|	As	75	53621.336	0.11	49.3074	0.712	1.444	ug/L
|	Se	77	4082.168	0.01	51.6910	2.304	4.456	ug/L
|	Se	82	4768.156	0.01	48.6357	0.861	1.769	ug/L
⌊	Rb	85	2142.584	0.00				mg/L
	Y	89	294375.795	2777.53				ug/L
	Rh	103	24.667	16.33				ug/L
⌈	Mo	98	248312.005	0.65	97.6014	1.674	1.715	ug/L
|	Ag	107	251477.441	0.66	49.7883	0.613	1.231	ug/L
|	Cd	114	58797.126	0.15	50.3600	2.114	4.198	ug/L
| >	In	115	382722.854	382722.85				ug/L
|	Sn	118	207810.431	0.54	49.2089	0.390	0.792	ug/L
⌊	Sb	123	192439.168	0.50	47.9046	0.279	0.583	ug/L
⌈	Ba	135	84501.050	0.16	49.3156	0.773	1.567	ug/L
|	Ce	140	56.673	0.00				ug/L
⌊>	Tb	159	523791.162	523791.16				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	410960.438	0.76	50.5065	1.636	3.240	ug/L
|	Tl	205	1007859.397	1.87	49.2154	1.786	3.630	ug/L
|	Pb	206	328329.129	0.61	49.9375	2.223	4.452	ug/L
|	Pb	207	300995.454	0.56	49.5024	0.970	1.959	ug/L
|	Pb	208	1367555.557	2.54	50.1007	0.991	1.977	ug/L
|	U	238	2612329.299	4.85	51.0733	1.150	2.253	ug/L
⌊>	Bi	209	538498.851	538498.85				ug/L

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Na	23	29909706.094	100.85	4.8941	0.378	7.728	mg/L
Mg	24	19075081.684	64.31	5.0116	0.196	3.915	mg/L
K	39	46118235.816	153.54	4.9830	0.198	3.969	mg/L
Ca	43	99465.486	0.33	4.9069	0.125	2.557	mg/L
Fe	54	3378983.909	11.21	4.9963	0.070	1.392	mg/L
Fe	57	1372458.429	4.60	4.9599	0.143	2.875	mg/L
> Sc-1	45	296862.218	296862.22				mg/L
Cl	35	18971.984	114.89				mg/L
Kr	83	44.001	-10.67				mg/L
Br	81	9417.119	1226.42				mg/L
P	31	15095.418	3010.04				mg/L
S	34	220843.922	18482.53				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	101.020				
Cr	52	101.267				
Cr	53					
Mn	55	102.062				
Co	59	107.226				
Ni	60	105.541				
Cu	65	103.674				
Zn	66	101.656				
> Ge	72		101.261			
As	75	98.615				
Se	77					
Se	82	97.271				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.577				
Cd	114	100.720				
> In	115		103.435			
Sn	118					
Sb	123	95.809				
Ba	135	98.631				
Ce	140					
> Tb	159		100.843			
Ho	165					
Tl	203	101.013				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.201				
U	238	102.147				
> Bi	209		107.150			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 16:09:33

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Friday, February 18, 2011 16:14:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25315.453	0.00				ug/L
|	Be	9	3.333	-0.00	-0.0575	0.004	6.567	ug/L
|	Al	27	4417.644	-0.00	-0.0254	0.007	28.543	ug/L
⌊>	Sc	45	305964.313	305964.31				ug/L
⌈	Ti	49	60.006	0.00	0.0446	0.015	33.657	ug/L
|	V	51	2540.266	0.00	-0.0084	0.001	6.414	ug/L
|	Cr	52	8507.704	0.00	0.0007	0.024	3337.091	ug/L
|	Cr	53	206.689	-0.00	-0.1159	0.019	16.022	ug/L
|	Mn	55	396.012	0.00	-0.0030	0.001	36.061	ug/L
|	Co	59	62.334	0.00	-0.0180	0.000	1.421	ug/L
|	Ni	60	51.667	-0.00	-0.0314	0.004	12.626	ug/L
|	Cu	65	127.002	0.00	-0.0151	0.009	59.928	ug/L
|	Zn	66	766.370	-0.00	-0.2538	0.039	15.442	ug/L
|>	Ge	72	497974.837	497974.84				ug/L
|	As	75	-163.412	0.00	0.0358	0.034	94.547	ug/L
|	Se	77	69.334	-0.00	0.1463	0.075	51.127	ug/L
|	Se	82	0.939	0.00	0.0572	0.082	143.206	ug/L
⌊	Rb	85	18.334	-0.00				mg/L
	Y	89	305336.996	13738.73				ug/L
	Rh	103	11.333	3.00				ug/L
⌈	Mo	98	96.426	0.00	0.0476	0.004	7.926	ug/L
|	Ag	107	36.667	-0.00	-0.0319	0.002	4.827	ug/L
|	Cd	114	-0.506	-0.00	-0.0066	0.003	49.323	ug/L
|>	In	115	403112.946	403112.95				ug/L
|	Sn	118	290.004	0.00	0.0370	0.003	7.042	ug/L
⌊	Sb	123	116.661	-0.00	-0.0004	0.001	123.275	ug/L
⌈	Ba	135	18.334	0.00	-0.0021	0.001	67.021	ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	549453.699	549453.70				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	28.334	0.00	-0.0010	0.000	15.847	ug/L
|	Tl	205	80.008	0.00	0.0224	0.002	7.559	ug/L
|	Pb	206	465.349	0.00	-0.0114	0.002	18.303	ug/L
|	Pb	207	393.012	-0.00	-0.0283	0.002	8.473	ug/L
|	Pb	208	1835.751	-0.00	-0.0157	0.002	10.586	ug/L
|	U	238	145.336	0.00	-0.0122	0.000	3.863	ug/L
⌊>	Bi	209	564486.267	564486.27				ug/L

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⌈	Na	23	22768.200	-0.02	-0.0007	0.000	36.808	mg/L
|	Mg	24	676.757	0.00	-0.0019	0.000	0.629	mg/L
|	K	39	550765.019	-0.15	-0.0068	0.003	39.145	mg/L
|	Ca	43	190.021	-0.00	-0.0029	0.001	49.158	mg/L
|	Fe	54	51424.875	-0.00	0.0030	0.003	99.815	mg/L
|	Fe	57	7840.527	0.00	-0.0009	0.001	94.907	mg/L
⌊>	Sc-1	45	305964.313	305964.31				mg/L
	Cl	35	18974.656	117.56				mg/L
	Kr	83	45.334	-9.33				mg/L
	Br	81	9138.842	948.15				mg/L
	P	31	16691.988	4606.61				mg/L
	S	34	230993.926	28632.53				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		103.130			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		108.946			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		105.784			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		112.321			
⌈	Na	23					

Sample ID: QC Std 7
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 16:16:48

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: PBS 58 WG356891-02

Sample Date/Time: Friday, February 18, 2011 16:21:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 29
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25449.841	-0.00				ug/L
|	Be	9	8.667	0.00	-0.0417	0.007	16.685	ug/L
|	Al	27	38892.266	0.11	5.0708	0.280	5.530	ug/L
⌊>	Sc	45	317133.567	317133.57				ug/L
⌈	Ti	49	100.011	0.00	0.1040	0.039	37.228	ug/L
|	V	51	2684.325	0.00	0.0030	0.015	498.284	ug/L
|	Cr	52	10106.874	0.00	0.1721	0.011	6.452	ug/L
|	Cr	53	390.047	0.00	0.0601	0.051	84.296	ug/L
|	Mn	55	2799.420	0.00	0.1740	0.003	1.763	ug/L
|	Co	59	164.003	0.00	-0.0090	0.000	4.727	ug/L
|	Ni	60	230.338	0.00	0.0438	0.006	13.181	ug/L
|	Cu	65	411.013	0.00	0.1004	0.008	7.807	ug/L
|	Zn	66	3752.742	0.01	1.8564	0.050	2.688	ug/L
|>	Ge	72	502537.667	502537.67				ug/L
|	As	75	-161.423	0.00	0.0391	0.024	60.233	ug/L
|	Se	77	79.334	0.00	0.2640	0.123	46.576	ug/L
|	Se	82	5.673	0.00	0.1044	0.045	43.464	ug/L
⌊	Rb	85	76.668	0.00				mg/L
	Y	89	314410.070	22811.80				ug/L
	Rh	103	8.667	0.33				ug/L
⌈	Mo	98	54.973	0.00	0.0320	0.001	4.623	ug/L
|	Ag	107	88.668	-0.00	-0.0222	0.004	15.944	ug/L
|	Cd	114	2.380	0.00	-0.0043	0.001	33.097	ug/L
|>	In	115	405862.626	405862.63				ug/L
|	Sn	118	285.737	0.00	0.0357	0.004	10.034	ug/L
⌊	Sb	123	116.454	-0.00	-0.0007	0.002	349.629	ug/L
⌈	Ba	135	120.335	0.00	0.0521	0.001	2.357	ug/L
|	Ce	140	283.366	0.00				ug/L
⌊>	Tb	159	571409.874	571409.87				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	35.667	0.00	-0.0002	0.000	168.122	ug/L
|	Tl	205	60.006	0.00	0.0214	0.002	9.525	ug/L
|	Pb	206	544.354	0.00	-0.0012	0.002	130.681	ug/L
|	Pb	207	489.017	0.00	-0.0145	0.005	31.598	ug/L
|	Pb	208	2236.788	0.00	-0.0030	0.001	36.152	ug/L
|	U	238	153.003	0.00	-0.0121	0.000	4.055	ug/L
⌊>	Bi	209	573935.765	573935.77				ug/L

Sample ID: PBS 58 WG356891-02
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⌈	Na	23	76217.360	0.15	0.0073	0.001	7.967	mg/L
|	Mg	24	13740.811	0.04	0.0013	0.000	5.081	mg/L
|	K	39	563239.024	-0.18	-0.0076	0.001	16.997	mg/L
|	Ca	43	466.724	0.00	0.0096	0.002	22.340	mg/L
|	Fe	54	100992.502	0.15	0.0699	0.007	10.240	mg/L
|	Fe	57	9969.300	0.01	0.0053	0.001	20.793	mg/L
⌊>	Sc-1	45	317133.567	317133.57				mg/L
	Cl	35	36035.480	17178.38				mg/L
	Kr	83	37.667	-17.00				mg/L
	Br	81	10411.418	2220.72				mg/L
	P	31	25913.791	13828.41				mg/L
	S	34	242354.239	39992.85				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		104.075			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		109.689			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		110.011			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		114.202			
⌈	Na	23					

Sample ID: PBS 58 WG356891-02
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBS 58 WG356891-02
Report Date/Time: Friday, February 18, 2011 16:23:34
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: LCSS 58 WG356891-03

Sample Date/Time: Friday, February 18, 2011 16:28:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 30
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25432.634	-0.01				ug/L
|	Be	9	8076.597	0.02	23.4395	1.306	5.572	ug/L
|	Al	27	182657.405	0.54	25.2498	2.306	9.134	ug/L
|>	Sc	45	331991.024	331991.02				ug/L
⌈	Ti	49	83.342	0.00	0.0787	0.062	79.097	ug/L
|	V	51	279922.006	0.55	26.0945	0.979	3.752	ug/L
|	Cr	52	246258.794	0.47	26.6050	0.751	2.823	ug/L
|	Cr	53	28296.139	0.06	26.9278	0.601	2.231	ug/L
|	Mn	55	363431.087	0.72	26.5736	0.668	2.514	ug/L
|	Co	59	298270.733	0.59	26.5567	0.260	0.978	ug/L
|	Ni	60	64016.226	0.13	26.7718	0.557	2.079	ug/L
|	Cu	65	65377.669	0.13	26.4592	0.322	1.217	ug/L
|	Zn	66	37697.654	0.07	25.7005	0.548	2.131	ug/L
|>	Ge	72	506255.803	506255.80				ug/L
|	As	75	26145.086	0.05	23.3182	0.238	1.019	ug/L
|	Se	77	1870.842	0.00	22.4909	1.533	6.816	ug/L
|	Se	82	2233.283	0.00	22.0283	0.215	0.974	ug/L
⌊	Rb	85	57.001	0.00				mg/L
	Y	89	314801.742	23203.47				ug/L
	Rh	103	15.000	6.67				ug/L
⌈	Mo	98	51.937	0.00	0.0303	0.002	8.118	ug/L
|	Ag	107	89915.011	0.21	16.2816	0.571	3.507	ug/L
|	Cd	114	30119.278	0.07	23.6306	1.066	4.511	ug/L
|>	In	115	418045.065	418045.06				ug/L
|	Sn	118	192.135	0.00	0.0135	0.001	7.366	ug/L
⌊	Sb	123	99694.995	0.24	22.7203	0.759	3.341	ug/L
⌈	Ba	135	44618.515	0.08	23.4037	0.627	2.677	ug/L
|	Ce	140	116.679	0.00				ug/L
|>	Tb	159	582518.583	582518.58				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	222868.108	0.39	25.4695	1.765	6.930	ug/L
|	Tl	205	536905.741	0.93	24.3659	1.067	4.378	ug/L
|	Pb	206	185752.036	0.32	26.2234	1.622	6.184	ug/L
|	Pb	207	163367.468	0.28	24.9179	0.944	3.790	ug/L
|	Pb	208	755589.855	1.30	25.6852	0.964	3.752	ug/L
|	U	238	1416831.413	2.45	25.7391	1.223	4.752	ug/L
|>	Bi	209	579991.688	579991.69				ug/L

Sample ID: LCSS 58 WG356891-03
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⌈	Na	23	80665.775	0.15	0.0075	0.001	8.027	mg/L
|	Mg	24	10523.254	0.03	0.0004	0.000	20.753	mg/L
|	K	39	546975.971	-0.30	-0.0118	0.002	14.900	mg/L
|	Ca	43	406.716	0.00	0.0061	0.003	46.850	mg/L
|	Fe	54	102156.100	0.14	0.0653	0.010	15.953	mg/L
|	Fe	57	8541.196	0.00	-0.0009	0.002	279.385	mg/L
⌊>	Sc-1	45	331991.024	331991.02				mg/L
	Cl	35	30644.218	11787.12				mg/L
	Kr	83	38.000	-16.67				mg/L
	Br	81	9795.477	1604.78				mg/L
	P	31	29672.747	17587.37				mg/L
	S	34	225328.387	22966.99				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		104.845			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		112.982			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		112.150			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		115.407			
⌈	Na	23					

Sample ID: LCSS 58 WG356891-03
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSS 58 WG356891-03
Report Date/Time: Friday, February 18, 2011 16:30:21
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Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102044701 WG356891-01

Sample Date/Time: Friday, February 18, 2011 16:34:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 31
Method File: C:\elandata\Method\6020a.mth
Sample Description: ~~1~~ 5

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25499.409	0.00				ug/L
|	Be	9	68.000	0.00	0.1509	0.029	18.973	ug/L
|	Al	27	12312470.033	41.24	1942.4543	170.883	8.797	ug/L
⌊>	Sc	45	299042.528	299042.53				ug/L
⌈	Ti	49	8127.452	0.02	11.9709	0.449	3.752	ug/L
|	V	51	102507.648	0.20	9.2774	0.296	3.190	ug/L
|	Cr	52	44219.000	0.07	3.9225	0.132	3.373	ug/L
|	Cr	53	4344.721	0.01	3.8234	0.621	16.245	ug/L
|	Mn	55	4675080.992	9.13	338.1161	13.585	4.018	ug/L
|	Co	59	46902.219	0.09	4.1066	0.175	4.273	ug/L
|	Ni	60	5881.455	0.01	2.3803	0.033	1.393	ug/L
|	Cu	65	9250.370	0.02	3.6409	0.146	4.021	ug/L
|	Zn	66	12705.528	0.02	8.0253	0.379	4.726	ug/L
|>	Ge	72	512663.700	512663.70				ug/L
|	As	75	1305.887	0.00	1.3243	0.034	2.593	ug/L
|	Se	77	102.001	0.00	0.5211	0.034	6.494	ug/L
|	Se	82	23.212	0.00	0.2728	0.060	22.142	ug/L
⌊	Rb	85	32014.486	0.06				mg/L
	Y	89	370554.557	78956.29				ug/L
	Rh	103	9.000	0.67				ug/L
⌈	Mo	98	291.317	0.00	0.1237	0.001	0.843	ug/L
|	Ag	107	119.335	-0.00	-0.0156	0.005	32.947	ug/L
|	Cd	114	21.025	0.00	0.0114	0.008	68.526	ug/L
|>	In	115	391210.328	391210.33				ug/L
|	Sn	118	153.335	0.00	0.0074	0.003	34.102	ug/L
⌊	Sb	123	55.660	-0.00	-0.0144	0.003	20.091	ug/L
⌈	Ba	135	41242.284	0.08	23.2215	0.646	2.782	ug/L
|	Ce	140	596658.159	1.10				ug/L
⌊>	Tb	159	543021.484	543021.48				ug/L
⌈	Ho	165	4881.681	0.01				ug/L
|	Tl	203	468.349	0.00	0.0523	0.003	6.399	ug/L
|	Tl	205	1220.197	0.00	0.0772	0.006	7.397	ug/L
|	Pb	206	42771.738	0.08	6.3221	0.077	1.214	ug/L
|	Pb	207	34432.211	0.06	5.4850	0.112	2.043	ug/L
|	Pb	208	164019.821	0.30	5.8341	0.071	1.222	ug/L
|	U	238	14909.271	0.03	0.2716	0.010	3.835	ug/L
⌊>	Bi	209	547900.127	547900.13				ug/L

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⌈	Na	23	42561.551	0.05	0.0026	0.001	27.373	mg/L
|	Mg	24	966178.280	3.23	0.2502	0.015	6.109	mg/L
|	K	39	1869152.356	4.30	0.1378	0.007	5.277	mg/L
|	Ca	43	6569.481	0.02	0.3108	0.019	6.229	mg/L
|	Fe	54	4089216.982	13.52	6.0218	0.286	4.751	mg/L
|	Fe	57	1706241.981	5.69	6.1326	0.371	6.043	mg/L
⌊>	Sc-1	45	299042.528	299042.53				mg/L
	Cl	35	23516.954	4659.86				mg/L
	Kr	83	52.334	-2.33				mg/L
	Br	81	9248.944	1058.25				mg/L
	P	31	65005.337	52919.96				mg/L
	S	34	231049.392	28688.00				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		106.172			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		105.729			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.546			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		109.021			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1102044702

Sample Date/Time: Friday, February 18, 2011 16:41:43
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 32
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 5
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25532.886	0.00				ug/L
|	Be	9	82.667	0.00	0.1884	0.015	8.203	ug/L
|	Al	27	18994532.611	60.99	2872.5934	88.618	3.085	ug/L
⌊>	Sc	45	311674.692	311674.69				ug/L
⌈	Ti	49	7757.116	0.01	11.4076	0.047	0.414	ug/L
|	V	51	120382.821	0.23	10.9209	0.271	2.478	ug/L
|	Cr	52	59099.391	0.10	5.5576	0.139	2.499	ug/L
|	Cr	53	6426.042	0.01	5.7820	0.222	3.841	ug/L
|	Mn	55	3046775.607	5.93	219.9040	2.388	1.086	ug/L
|	Co	59	36072.647	0.07	3.1467	0.071	2.268	ug/L
|	Ni	60	6658.950	0.01	2.6981	0.040	1.467	ug/L
|	Cu	65	11445.995	0.02	4.5122	0.032	0.702	ug/L
|	Zn	66	16097.775	0.03	10.3586	0.008	0.081	ug/L
|>	Ge	72	513342.210	513342.21				ug/L
|	As	75	1731.496	0.00	1.6944	0.078	4.595	ug/L
|	Se	77	99.334	0.00	0.4880	0.151	30.857	ug/L
|	Se	82	26.557	0.00	0.3071	0.164	53.431	ug/L
⌊	Rb	85	40584.265	0.08				mg/L
	Y	89	358293.702	66695.43				ug/L
	Rh	103	10.333	2.00				ug/L
⌈	Mo	98	360.024	0.00	0.1513	0.005	3.299	ug/L
|	Ag	107	117.335	-0.00	-0.0158	0.001	3.408	ug/L
|	Cd	114	17.907	0.00	0.0089	0.006	62.872	ug/L
|>	In	115	387857.256	387857.26				ug/L
|	Sn	118	118.667	0.00	-0.0004	0.003	651.796	ug/L
⌊	Sb	123	42.159	-0.00	-0.0177	0.001	5.513	ug/L
⌈	Ba	135	40483.521	0.08	23.6113	0.269	1.141	ug/L
|	Ce	140	493332.124	0.94				ug/L
⌊>	Tb	159	523971.834	523971.83				ug/L
⌈	Ho	165	4071.236	0.01				ug/L
|	Tl	203	482.683	0.00	0.0535	0.003	5.836	ug/L
|	Tl	205	1206.860	0.00	0.0761	0.005	7.021	ug/L
|	Pb	206	41466.310	0.07	6.0740	0.328	5.394	ug/L
|	Pb	207	33072.944	0.06	5.2177	0.144	2.750	ug/L
|	Pb	208	159569.461	0.29	5.6228	0.138	2.452	ug/L
|	U	238	18120.253	0.03	0.3303	0.010	3.162	ug/L
⌊>	Bi	209	552873.983	552873.98				ug/L

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⌈	Na	23	52797.618	0.08	0.0039	0.000	10.890	mg/L
|	Mg	24	1254267.690	4.03	0.3122	0.014	4.539	mg/L
|	K	39	2087545.487	4.76	0.1525	0.010	6.751	mg/L
|	Ca	43	8334.310	0.03	0.3805	0.003	0.789	mg/L
|	Fe	54	5164252.971	16.44	7.3208	0.521	7.117	mg/L
|	Fe	57	2050197.306	6.57	7.0805	0.462	6.527	mg/L
⌊>	Sc-1	45	311674.692	311674.69				mg/L
	Cl	35	22082.357	3225.26				mg/L
	Kr	83	51.001	-3.67				mg/L
	Br	81	9098.137	907.44				mg/L
	P	31	71276.586	59191.21				mg/L
	S	34	212094.925	9733.53				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		106.313			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		104.823			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.878			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		110.011			
⌈	Na	23					

Sample ID: L1102044702
Report Date/Time: Friday, February 18, 2011 16:43:56
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102044703S WG356891-04

Sample Date/Time: Friday, February 18, 2011 16:48:31
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: ~~1~~ 5
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24329.659	-0.00				ug/L
|	Be	9	1707.480	0.01	5.2241	0.266	5.091	ug/L
|	Al	27	19071317.738	61.27	2885.8290	124.225	4.305	ug/L
⌊>	Sc	45	311445.527	311445.53				ug/L
⌈	Ti	49	8801.418	0.02	13.0553	0.104	0.800	ug/L
|	V	51	165772.388	0.32	15.2558	0.157	1.030	ug/L
|	Cr	52	99114.418	0.18	10.0629	0.099	0.988	ug/L
|	Cr	53	10866.992	0.02	10.0814	0.309	3.066	ug/L
|	Mn	55	3051089.619	5.99	221.9926	1.729	0.779	ug/L
|	Co	59	93314.672	0.18	8.2434	0.137	1.667	ug/L
|	Ni	60	18945.456	0.04	7.8372	0.097	1.241	ug/L
|	Cu	65	23626.113	0.05	9.4619	0.062	0.655	ug/L
|	Zn	66	23613.751	0.04	15.7018	0.068	0.436	ug/L
|>	Ge	72	509217.813	509217.81				ug/L
|	As	75	6775.705	0.01	6.1435	0.055	0.897	ug/L
|	Se	77	506.013	0.00	5.5104	0.511	9.270	ug/L
|	Se	82	524.239	0.00	5.1776	0.109	2.097	ug/L
⌊	Rb	85	42858.073	0.08				mg/L
	Y	89	364398.893	72800.62				ug/L
	Rh	103	10.000	1.67				ug/L
⌈	Mo	98	363.252	0.00	0.1507	0.011	7.558	ug/L
|	Ag	107	22285.705	0.06	4.2583	0.164	3.849	ug/L
|	Cd	114	5903.593	0.01	4.9082	0.295	6.017	ug/L
|>	In	115	393446.961	393446.96				ug/L
|	Sn	118	158.935	0.00	0.0084	0.003	30.269	ug/L
⌊	Sb	123	301.623	0.00	0.0451	0.001	2.080	ug/L
⌈	Ba	135	49345.950	0.09	28.4094	0.780	2.744	ug/L
|	Ce	140	537416.224	1.01				ug/L
⌊>	Tb	159	531017.262	531017.26				ug/L
⌈	Ho	165	4034.552	0.01				ug/L
|	Tl	203	41452.197	0.08	4.9782	0.192	3.863	ug/L
|	Tl	205	101300.662	0.18	4.8536	0.116	2.392	ug/L
|	Pb	206	75845.719	0.14	11.2210	0.377	3.358	ug/L
|	Pb	207	63572.070	0.11	10.1539	0.074	0.732	ug/L
|	Pb	208	302846.453	0.55	10.7881	0.122	1.129	ug/L
|	U	238	281006.552	0.51	5.3589	0.043	0.794	ug/L
⌊>	Bi	209	550555.653	550555.65				ug/L

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⌈	Na	23	56850.187	0.09	0.0045	0.000	6.806	mg/L
|	Mg	24	1393389.917	4.48	0.3470	0.014	4.072	mg/L
|	K	39	2233224.076	5.22	0.1676	0.007	4.404	mg/L
|	Ca	43	9408.698	0.03	0.4316	0.016	3.773	mg/L
|	Fe	54	4302210.961	13.65	6.0812	0.193	3.167	mg/L
|	Fe	57	1822381.241	5.83	6.2859	0.330	5.248	mg/L
⌊>	Sc-1	45	311445.527	311445.53				mg/L
	Cl	35	89614.715	70757.62				mg/L
	Kr	83	51.667	-3.00				mg/L
	Br	81	10052.384	1861.69				mg/L
	P	31	73588.659	61503.28				mg/L
	S	34	212537.714	10176.32				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		105.459			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		106.334			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.235			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		109.549			
⌈	Na	23					

Sample ID: L1102044703S WG356891-04
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

Sample ID: L1102044703S WG356891-04
Report Date/Time: Friday, February 18, 2011 16:50:44
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Method 6020 - Summary Report

Sample ID: L1102044704SD WG356891-05

Sample Date/Time: Friday, February 18, 2011 16:55:19
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 5
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23912.247	-0.01				ug/L
|	Be	9	1723.482	0.01	5.1171	0.274	5.359	ug/L
|	Al	27	16913178.897	52.76	2484.8509	113.243	4.557	ug/L
⌊>	Sc	45	320907.623	320907.62				ug/L
⌈	Ti	49	9011.630	0.02	13.2954	0.537	4.043	ug/L
|	V	51	177857.193	0.34	16.2949	0.075	0.461	ug/L
|	Cr	52	101328.164	0.18	10.2471	0.091	0.892	ug/L
|	Cr	53	11444.356	0.02	10.5755	0.123	1.166	ug/L
|	Mn	55	4417139.289	8.63	319.6392	2.378	0.744	ug/L
|	Co	59	105807.503	0.21	9.2991	0.291	3.133	ug/L
|	Ni	60	20031.583	0.04	8.2439	0.127	1.544	ug/L
|	Cu	65	24705.400	0.05	9.8423	0.153	1.551	ug/L
|	Zn	66	24377.591	0.05	16.1431	0.294	1.823	ug/L
|>	Ge	72	512019.654	512019.65				ug/L
|	As	75	7018.334	0.01	6.3230	0.022	0.341	ug/L
|	Se	77	508.013	0.00	5.5028	0.632	11.491	ug/L
|	Se	82	494.490	0.00	4.8600	0.100	2.057	ug/L
⌊	Rb	85	42348.574	0.08				mg/L
	Y	89	386569.013	94970.74				ug/L
	Rh	103	14.000	5.67				ug/L
⌈	Mo	98	394.655	0.00	0.1627	0.011	6.969	ug/L
|	Ag	107	24159.059	0.06	4.6160	0.092	1.983	ug/L
|	Cd	114	6399.364	0.02	5.3225	0.073	1.369	ug/L
|>	In	115	393716.186	393716.19				ug/L
|	Sn	118	113.734	0.00	-0.0019	0.003	143.667	ug/L
⌊	Sb	123	888.916	0.00	0.1875	0.014	7.565	ug/L
⌈	Ba	135	56799.084	0.10	32.0390	0.445	1.390	ug/L
|	Ce	140	664585.262	1.23				ug/L
⌊>	Tb	159	541900.602	541900.60				ug/L
⌈	Ho	165	5422.013	0.01				ug/L
|	Tl	203	41497.676	0.08	5.0204	0.058	1.146	ug/L
|	Tl	205	104738.023	0.19	5.0560	0.392	7.761	ug/L
|	Pb	206	80269.404	0.15	11.9703	0.598	4.992	ug/L
|	Pb	207	66111.576	0.12	10.6467	0.419	3.936	ug/L
|	Pb	208	314000.050	0.57	11.2733	0.157	1.389	ug/L
|	U	238	276718.942	0.51	5.3169	0.069	1.294	ug/L
⌊>	Bi	209	546439.573	546439.57				ug/L

Sample ID: L1102044704SD WG356891-05
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⌈	Na	23	47142.252	0.06	0.0028	0.000	7.233	mg/L
|	Mg	24	1259591.706	3.93	0.3045	0.018	6.008	mg/L
|	K	39	2157705.075	4.78	0.1533	0.011	7.319	mg/L
|	Ca	43	7343.434	0.02	0.3238	0.001	0.383	mg/L
|	Fe	54	5242515.664	16.19	7.2095	0.317	4.394	mg/L
|	Fe	57	2188620.777	6.81	7.3385	0.443	6.030	mg/L
⌊>	Sc-1	45	320907.623	320907.62				mg/L
	Cl	35	22346.290	3489.19				mg/L
	Kr	83	61.001	6.33				mg/L
	Br	81	9326.358	1135.66				mg/L
	P	31	73473.196	61387.82				mg/L
	S	34	202801.269	439.88				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		106.039			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		106.406			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.330			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.730			
⌈	Na	23					

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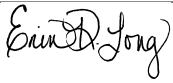

| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1102044706

Sample Date/Time: Friday, February 18, 2011 17:02:06
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 35
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: ~~1~~ 5
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25883.519	-0.01				ug/L
|	Be	9	106.001	0.00	0.2164	0.019	8.846	ug/L
|	Al	27	73328290.764	203.70	9593.7665	410.619	4.280	ug/L
⌊>	Sc	45	359776.544	359776.54				ug/L
⌈	Ti	49	13547.196	0.03	19.8476	0.546	2.753	ug/L
|	V	51	402447.742	0.77	36.8898	0.452	1.224	ug/L
|	Cr	52	176498.853	0.33	18.4089	0.301	1.633	ug/L
|	Cr	53	19477.583	0.04	18.0697	0.590	3.265	ug/L
|	Mn	55	373425.428	0.72	26.7779	0.636	2.374	ug/L
|	Co	59	26449.571	0.05	2.2877	0.087	3.814	ug/L
|	Ni	60	19499.188	0.04	7.9594	0.097	1.221	ug/L
|	Cu	65	31008.654	0.06	12.2718	0.244	1.986	ug/L
|	Zn	66	16826.313	0.03	10.8005	0.136	1.259	ug/L
|>	Ge	72	516168.380	516168.38				ug/L
|	As	75	4213.888	0.01	3.8392	0.158	4.105	ug/L
|	Se	77	101.334	0.00	0.5046	0.161	31.898	ug/L
|	Se	82	27.516	0.00	0.3134	0.085	27.251	ug/L
⌊	Rb	85	76543.593	0.15				mg/L
	Y	89	348197.080	56598.81				ug/L
	Rh	103	13.667	5.33				ug/L
⌈	Mo	98	421.287	0.00	0.1741	0.006	3.376	ug/L
|	Ag	107	218.671	-0.00	0.0038	0.005	120.734	ug/L
|	Cd	114	-5.527	-0.00	-0.0108	0.002	19.236	ug/L
|>	In	115	390224.630	390224.63				ug/L
|	Sn	118	447.877	0.00	0.0760	0.001	1.224	ug/L
⌊	Sb	123	47.073	-0.00	-0.0166	0.002	14.439	ug/L
⌈	Ba	135	18089.528	0.04	10.8358	0.359	3.310	ug/L
|	Ce	140	544383.603	1.07				ug/L
⌊>	Tb	159	510214.762	510214.76				ug/L
⌈	Ho	165	3550.988	0.01				ug/L
|	Tl	203	1665.155	0.00	0.1962	0.005	2.368	ug/L
|	Tl	205	4014.543	0.01	0.2105	0.010	4.669	ug/L
|	Pb	206	44884.965	0.08	6.6221	0.244	3.683	ug/L
|	Pb	207	36485.137	0.07	5.8016	0.161	2.779	ug/L
|	Pb	208	174576.782	0.31	6.1985	0.203	3.273	ug/L
|	U	238	40046.765	0.07	0.7526	0.023	3.097	ug/L
⌊>	Bi	209	549602.470	549602.47				ug/L

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⌈	Na	23	71657.716	0.11	0.0053	0.002	35.535	mg/L
|	Mg	24	2531216.369	7.03	0.5462	0.017	3.158	mg/L
|	K	39	3977794.200	9.11	0.2938	0.013	4.481	mg/L
|	Ca	43	3817.781	0.01	0.1436	0.011	7.724	mg/L
|	Fe	54	16431460.848	45.49	20.2562	0.200	0.988	mg/L
|	Fe	57	6791542.424	18.86	20.3311	0.557	2.741	mg/L
⌊>	Sc-1	45	359776.544	359776.54				mg/L
	Cl	35	20529.063	1671.97				mg/L
	Kr	83	55.667	1.00				mg/L
	Br	81	8869.933	679.24				mg/L
	P	31	41877.697	29792.32				mg/L
	S	34	199240.192	-3121.20				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		106.898			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		105.463			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.230			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		109.360			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: L1102044707

Sample Date/Time: Friday, February 18, 2011 17:08:51
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: ~~1~~ 5
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25131.848	-0.01				ug/L
|	Be	9	112.001	0.00	0.2327	0.016	6.701	ug/L
|	Al	27	60536791.948	168.65	7943.1043	398.055	5.011	ug/L
⌊>	Sc	45	359277.344	359277.34				ug/L
⌈	Ti	49	12953.049	0.02	18.6532	1.486	7.965	ug/L
|	V	51	393947.831	0.75	35.4925	0.870	2.450	ug/L
|	Cr	52	179116.420	0.32	18.3658	0.072	0.393	ug/L
|	Cr	53	19804.911	0.04	18.0675	0.460	2.547	ug/L
|	Mn	55	320706.650	0.61	22.6031	0.176	0.779	ug/L
|	Co	59	24252.952	0.05	2.0604	0.036	1.728	ug/L
|	Ni	60	17326.507	0.03	6.9462	0.107	1.547	ug/L
|	Cu	65	31460.061	0.06	12.2396	0.101	0.823	ug/L
|	Zn	66	21469.238	0.04	13.7514	0.107	0.780	ug/L
|>	Ge	72	525015.510	525015.51				ug/L
|	As	75	4659.478	0.01	4.1587	0.168	4.037	ug/L
|	Se	77	110.667	0.00	0.5956	0.101	16.956	ug/L
|	Se	82	36.551	0.00	0.3953	0.125	31.566	ug/L
⌊	Rb	85	68818.341	0.13				mg/L
	Y	89	343934.571	52336.30				ug/L
	Rh	103	10.667	2.33				ug/L
⌈	Mo	98	420.438	0.00	0.1779	0.025	14.067	ug/L
|	Ag	107	230.005	-0.00	0.0070	0.001	9.775	ug/L
|	Cd	114	-1.689	-0.00	-0.0075	0.008	103.523	ug/L
|>	In	115	381286.185	381286.19				ug/L
|	Sn	118	719.359	0.00	0.1430	0.005	3.481	ug/L
⌊	Sb	123	47.865	-0.00	-0.0160	0.001	6.708	ug/L
⌈	Ba	135	17691.148	0.03	10.5947	0.164	1.543	ug/L
|	Ce	140	472822.843	0.93				ug/L
⌊>	Tb	159	509956.657	509956.66				ug/L
⌈	Ho	165	2850.692	0.01				ug/L
|	Tl	203	1452.454	0.00	0.1687	0.012	6.820	ug/L
|	Tl	205	3487.628	0.01	0.1837	0.018	9.792	ug/L
|	Pb	206	44642.212	0.08	6.5112	0.128	1.960	ug/L
|	Pb	207	35396.917	0.06	5.5631	0.182	3.276	ug/L
|	Pb	208	170436.034	0.30	5.9812	0.119	1.991	ug/L
|	U	238	37471.457	0.07	0.6953	0.015	2.170	ug/L
⌊>	Bi	209	555557.642	555557.64				ug/L

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⌈	Na	23	289952.282	0.72	0.0348	0.002	7.105	mg/L
|	Mg	24	2105955.419	5.86	0.4550	0.009	1.873	mg/L
|	K	39	3512283.169	7.83	0.2523	0.010	4.036	mg/L
|	Ca	43	4928.374	0.01	0.1893	0.000	0.256	mg/L
|	Fe	54	16427342.580	45.58	20.2951	0.846	4.171	mg/L
|	Fe	57	6685812.412	18.59	20.0429	0.679	3.385	mg/L
⌊>	Sc-1	45	359277.344	359277.34				mg/L
	Cl	35	24340.922	5483.83				mg/L
	Kr	83	51.667	-3.00				mg/L
	Br	81	9274.300	1083.60				mg/L
	P	31	38448.480	26363.10				mg/L
	S	34	224065.938	21704.55				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		108.731			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		103.047			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.180			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		110.545			
⌈	Na	23					

Sample ID: L1102044707
Report Date/Time: Friday, February 18, 2011 17:11:02

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102044707PS WG356983-01

Sample Date/Time: Friday, February 18, 2011 17:15:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 37
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 5
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
[	Li	6	24713.870	-0.01				ug/L
|	Be	9	13913.688	0.04	37.7337	3.616	9.583	ug/L
|	Al	27	64318835.855	180.85	8517.5187	654.254	7.681	ug/L
|>	Sc	45	356611.530	356611.53				ug/L
[	Ti	49	17733.307	0.03	25.2898	12.415	49.089	ug/L
|	V	51	890056.889	1.67	79.6203	2.685	3.373	ug/L
|	Cr	52	595638.556	1.11	62.6274	1.924	3.072	ug/L
|	Cr	53	70367.091	0.13	64.2800	0.402	0.625	ug/L
|	Mn	55	984617.778	1.85	68.6759	1.286	1.873	ug/L
|	Co	59	552796.350	1.04	46.9480	0.560	1.192	ug/L
|	Ni	60	130310.924	0.25	52.0039	1.011	1.944	ug/L
|	Cu	65	148232.180	0.28	57.2798	0.395	0.690	ug/L
|	Zn	66	84639.558	0.16	55.9389	0.457	0.817	ug/L
|>	Ge	72	530906.655	530906.65				ug/L
|	As	75	59020.319	0.11	49.9892	0.869	1.739	ug/L
|	Se	77	3964.786	0.01	46.1745	1.079	2.337	ug/L
|	Se	82	4843.336	0.01	45.5030	1.044	2.295	ug/L
[	Rb	85	73089.911	0.14				mg/L
	Y	89	350722.260	59123.99				ug/L
	Rh	103	29.334	21.00				ug/L
[	Mo	98	483.482	0.00	0.2051	0.007	3.339	ug/L
|	Ag	107	221340.368	0.59	44.6556	1.518	3.399	ug/L
|	Cd	114	52658.594	0.14	45.9519	1.045	2.274	ug/L
|>	In	115	375760.065	375760.06				ug/L
|	Sn	118	793.498	0.00	0.1636	0.012	7.456	ug/L
[	Sb	123	175590.046	0.47	44.5414	1.298	2.915	ug/L
[	Ba	135	92979.209	0.19	57.4105	0.045	0.079	ug/L
|	Ce	140	488143.035	0.99				ug/L
|>	Tb	159	495060.456	495060.46				ug/L
[	Ho	165	3080.785	0.01				ug/L
|	Tl	203	361599.903	0.68	45.0660	2.938	6.519	ug/L
|	Tl	205	858300.415	1.62	42.5071	3.082	7.251	ug/L
|	Pb	206	346446.802	0.65	53.4056	0.685	1.283	ug/L
|	Pb	207	301101.381	0.57	50.2108	1.697	3.379	ug/L
|	Pb	208	1396416.032	2.63	51.8602	1.092	2.105	ug/L
|	U	238	2261406.241	4.26	44.8024	0.999	2.229	ug/L
|>	Bi	209	531275.060	531275.06				ug/L

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⌈	Na	23	100007.904	0.19	0.0093	0.001	10.598	mg/L
|	Mg	24	2166838.356	6.09	0.4726	0.028	5.938	mg/L
|	K	39	3529850.134	7.96	0.2565	0.014	5.389	mg/L
|	Ca	43	4424.755	0.01	0.1705	0.010	6.116	mg/L
|	Fe	54	17097844.847	47.81	21.2873	0.416	1.954	mg/L
|	Fe	57	7116509.061	19.97	21.5279	1.132	5.260	mg/L
⌊>	Sc-1	45	356611.530	356611.53				mg/L
	Cl	35	22510.642	3653.55				mg/L
	Kr	83	67.334	12.67				mg/L
	Br	81	9407.760	1217.06				mg/L
	P	31	40843.331	28757.96				mg/L
	S	34	211828.766	9467.37				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		109.951			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		101.554			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.312			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		105.713			
⌈	Na	23					

Sample ID: L1102044707PS WG356983-01
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102044707PS WG356983-01
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Method 6020 - Summary Report

Sample ID: L1102044707SDL WG356983-02

Sample Date/Time: Friday, February 18, 2011 17:22:22
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 38
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: JYH
Cumulative Autodilution Factor: 25
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22041.266	-0.01				ug/L
|	Be	9	25.333	0.00	0.0095	0.032	335.012	ug/L
|	Al	27	12264291.130	38.63	1819.2009	96.254	5.291	ug/L
⌊>	Sc	45	317827.245	317827.24				ug/L
⌈	Ti	49	3267.559	0.01	4.5672	1.364	29.872	ug/L
|	V	51	80763.077	0.15	6.9174	0.170	2.464	ug/L
|	Cr	52	42684.007	0.06	3.5403	0.121	3.406	ug/L
|	Cr	53	4017.876	0.01	3.3324	0.154	4.622	ug/L
|	Mn	55	65661.920	0.12	4.5010	0.088	1.960	ug/L
|	Co	59	4897.916	0.01	0.3880	0.012	3.182	ug/L
|	Ni	60	3665.709	0.01	1.3951	0.045	3.195	ug/L
|	Cu	65	6918.462	0.01	2.5798	0.017	0.659	ug/L
|	Zn	66	9917.016	0.02	5.7734	0.025	0.433	ug/L
|>	Ge	72	536797.276	536797.28				ug/L
|	As	75	859.125	0.00	0.8997	0.033	3.675	ug/L
|	Se	77	92.000	0.00	0.3446	0.249	72.199	ug/L
|	Se	82	6.531	0.00	0.1094	0.044	40.327	ug/L
⌊	Rb	85	14525.356	0.03				mg/L
	Y	89	321577.304	29979.03				ug/L
	Rh	103	7.667	-0.67				ug/L
⌈	Mo	98	95.718	0.00	0.0486	0.004	7.829	ug/L
|	Ag	107	62.334	-0.00	-0.0267	0.000	0.969	ug/L
|	Cd	114	-0.235	-0.00	-0.0064	0.006	95.746	ug/L
|>	In	115	389740.672	389740.67				ug/L
|	Sn	118	278.671	0.00	0.0367	0.003	8.188	ug/L
⌊	Sb	123	364.668	0.00	0.0612	0.002	3.558	ug/L
⌈	Ba	135	3634.697	0.01	2.1392	0.082	3.839	ug/L
|	Ce	140	94201.002	0.18				ug/L
⌊>	Tb	159	516673.741	516673.74				ug/L
⌈	Ho	165	693.427	0.00				ug/L
|	Tl	203	279.007	0.00	0.0294	0.001	5.073	ug/L
|	Tl	205	676.757	0.00	0.0511	0.002	4.743	ug/L
|	Pb	206	8877.695	0.02	1.2507	0.042	3.321	ug/L
|	Pb	207	7304.073	0.01	1.0933	0.019	1.728	ug/L
|	Pb	208	34410.889	0.06	1.1614	0.008	0.672	ug/L
|	U	238	6974.168	0.01	0.1192	0.004	2.987	ug/L
⌊>	Bi	209	547651.108	547651.11				ug/L

Sample ID: L1102044707SDL WG356983-02
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⌈	Na	23	58412.632	0.09	0.0046	0.000	10.815	mg/L
|	Mg	24	429147.837	1.35	0.1033	0.003	3.101	mg/L
|	K	39	1215309.161	1.88	0.0591	0.007	12.636	mg/L
|	Ca	43	1120.175	0.00	0.0399	0.005	13.759	mg/L
|	Fe	54	3383881.420	10.50	4.6784	0.402	8.597	mg/L
|	Fe	57	1384936.292	4.34	4.6799	0.358	7.640	mg/L
⌊>	Sc-1	45	317827.245	317827.24				mg/L
	Cl	35	19624.574	767.48				mg/L
	Kr	83	54.001	-0.67				mg/L
	Br	81	9944.954	1754.26				mg/L
	P	31	13478.444	1393.07				mg/L
	S	34	212832.049	10470.66				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		111.171			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		105.332			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.473			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.971			
⌈	Na	23					

Sample ID: L1102044707SDL WG356983-02
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102044707SDL WG356983-02
Report Date/Time: Friday, February 18, 2011 17:24:34
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Friday, February 18, 2011 17:29:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21439.957	-0.01				ug/L
|	Be	9	14882.411	0.05	47.5342	1.502	3.160	ug/L
|	Al	27	324638.801	1.06	49.9425	0.979	1.959	ug/L
⌊>	Sc	45	301838.206	301838.21				ug/L
⌈	Ti	49	68262.364	0.13	101.5895	1.441	1.418	ug/L
|	V	51	561056.626	1.10	52.2388	0.179	0.343	ug/L
|	Cr	52	475092.044	0.92	51.9081	0.187	0.361	ug/L
|	Cr	53	54517.040	0.11	51.8607	0.481	0.927	ug/L
|	Mn	55	703375.253	1.38	51.1681	1.137	2.222	ug/L
|	Co	59	593125.031	1.17	52.5426	1.376	2.618	ug/L
|	Ni	60	124011.100	0.24	51.6283	2.137	4.140	ug/L
|	Cu	65	127405.579	0.25	51.3427	1.623	3.161	ug/L
|	Zn	66	73205.466	0.14	50.3654	0.640	1.271	ug/L
|>	Ge	72	509156.019	509156.02				ug/L
|	As	75	57804.837	0.11	51.0499	1.060	2.077	ug/L
|	Se	77	4232.229	0.01	51.4680	0.395	0.767	ug/L
|	Se	82	5135.666	0.01	50.3226	1.850	3.677	ug/L
⌊	Rb	85	2217.935	0.00				mg/L
	Y	89	316233.978	24635.71				ug/L
	Rh	103	22.334	14.00				ug/L
⌈	Mo	98	265166.643	0.70	105.4633	6.196	5.875	ug/L
|	Ag	107	255327.967	0.67	51.1406	2.578	5.040	ug/L
|	Cd	114	59807.677	0.16	51.7606	2.177	4.206	ug/L
|>	In	115	378681.931	378681.93				ug/L
|	Sn	118	209422.698	0.55	50.1412	1.126	2.247	ug/L
⌊	Sb	123	203506.348	0.54	51.2314	1.542	3.011	ug/L
⌈	Ba	135	89210.093	0.17	53.4940	0.820	1.533	ug/L
|	Ce	140	63.340	0.00				ug/L
⌊>	Tb	159	509774.150	509774.15				ug/L
⌈	Ho	165	13.335	0.00				ug/L
|	Tl	203	410467.138	0.77	50.7398	0.802	1.581	ug/L
|	Tl	205	998427.485	1.87	49.0251	0.238	0.486	ug/L
|	Pb	206	325351.972	0.61	49.7855	1.752	3.519	ug/L
|	Pb	207	306197.149	0.57	50.6637	1.310	2.586	ug/L
|	Pb	208	1365003.694	2.55	50.3114	1.280	2.544	ug/L
|	U	238	2541388.760	4.75	49.9693	0.473	0.947	ug/L
⌊>	Bi	209	535243.921	535243.92				ug/L

Sample ID: QC Std 6
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Na	23	31044927.696	102.76	4.9867	0.093	1.873	mg/L
Mg	24	19684759.928	65.24	5.0838	0.178	3.507	mg/L
K	39	47143778.435	154.25	5.0060	0.066	1.316	mg/L
Ca	43	101240.156	0.33	4.9092	0.096	1.957	mg/L
Fe	54	3526413.789	11.51	5.1294	0.065	1.264	mg/L
Fe	57	1467937.155	4.84	5.2153	0.039	0.740	mg/L
> Sc-1	45	301838.206	301838.21				mg/L
Cl	35	20420.163	1563.07				mg/L
Kr	83	45.334	-9.33				mg/L
Br	81	9349.036	1158.34				mg/L
P	31	17098.757	5013.38				mg/L
S	34	248073.295	45711.90				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	104.478				
Cr	52	103.816				
Cr	53					
Mn	55	102.336				
Co	59	105.085				
Ni	60	103.257				
Cu	65	102.685				
Zn	66	100.731				
> Ge	72		105.446			
As	75	102.100				
Se	77					
Se	82	100.645				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	102.281				
Cd	114	103.521				
> In	115		102.343			
Sn	118					
Sb	123	102.463				
Ba	135	106.988				
Ce	140					
> Tb	159		98.145			
Ho	165					
Tl	203	101.480				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.623				
U	238	99.939				
> Bi	209		106.503			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 17:31:21

Approved: February 21, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Friday, February 18, 2011 17:31:21

Approved: February 21, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Friday, February 18, 2011 17:36:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21222.525	-0.02				ug/L
|	Be	9	9.333	0.00	-0.0407	0.008	20.164	ug/L
|	Al	27	4651.082	-0.00	-0.0358	0.014	39.507	ug/L
⌊>	Sc	45	327272.860	327272.86				ug/L
⌈	Ti	49	66.674	0.00	0.0485	0.009	17.615	ug/L
|	V	51	2695.985	0.00	-0.0095	0.004	43.525	ug/L
|	Cr	52	9069.536	0.00	0.0007	0.020	2914.650	ug/L
|	Cr	53	190.021	-0.00	-0.1435	0.025	17.717	ug/L
|	Mn	55	428.013	0.00	-0.0025	0.001	52.491	ug/L
|	Co	59	79.001	0.00	-0.0170	0.001	7.531	ug/L
|	Ni	60	62.667	0.00	-0.0284	0.004	12.945	ug/L
|	Cu	65	139.669	0.00	-0.0135	0.006	47.283	ug/L
|	Zn	66	792.039	-0.00	-0.2705	0.013	4.971	ug/L
|>	Ge	72	530865.388	530865.39				ug/L
|	As	75	-164.393	0.00	0.0442	0.034	76.462	ug/L
|	Se	77	86.000	0.00	0.2901	0.132	45.410	ug/L
|	Se	82	9.589	0.00	0.1386	0.109	78.663	ug/L
⌊	Rb	85	22.000	0.00				mg/L
	Y	89	338642.194	47043.92				ug/L
	Rh	103	10.667	2.33				ug/L
⌈	Mo	98	123.801	0.00	0.0580	0.005	7.817	ug/L
|	Ag	107	31.667	-0.00	-0.0328	0.001	2.846	ug/L
|	Cd	114	3.333	0.00	-0.0035	0.003	99.285	ug/L
|>	In	115	401736.944	401736.94				ug/L
|	Sn	118	228.536	0.00	0.0234	0.005	21.640	ug/L
⌊	Sb	123	147.996	-0.00	0.0071	0.004	58.460	ug/L
⌈	Ba	135	17.334	0.00	-0.0026	0.001	21.040	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	547141.015	547141.02				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	58.667	0.00	0.0027	0.001	37.534	ug/L
|	Tl	205	120.013	0.00	0.0243	0.002	9.762	ug/L
|	Pb	206	443.014	-0.00	-0.0132	0.004	30.250	ug/L
|	Pb	207	388.678	-0.00	-0.0276	0.004	13.974	ug/L
|	Pb	208	1794.415	-0.00	-0.0158	0.003	16.882	ug/L
|	U	238	88.335	0.00	-0.0132	0.000	1.237	ug/L
⌊>	Bi	209	552922.530	552922.53				ug/L

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Na	23	24809.928	-0.02	-0.0006	0.000	8.198	mg/L	
Mg	24	533.401	0.00	-0.0019	0.000	1.471	mg/L	
K	39	578911.813	-0.18	-0.0078	0.002	24.034	mg/L	
Ca	43	206.690	-0.00	-0.0027	0.001	55.660	mg/L	
Fe	54	56544.084	0.00	0.0051	0.006	114.674	mg/L	
Fe	57	9251.871	0.00	0.0019	0.002	83.469	mg/L	
Sc-1	45	327272.860	327272.86				mg/L	
Cl	35	18899.846	42.75				mg/L	
Kr	83	47.334	-7.33				mg/L	
Br	81	9924.257	1733.56				mg/L	
P	31	15199.767	3114.39				mg/L	
S	34	231106.039	28744.65				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
Ge	72		109.942			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
In	115		108.574			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
Tb	159		105.339			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
Bi	209		110.020			
Na	23					

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 17:38:35

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Friday, February 18, 2011 17:38:35

Approved: February 21, 2011

Instrument Tuning Report

File Name: 06302008.tun
File Path: C:\Elandata\Tuning\06302008.tun

Sample Information

Sample Date/Time: Tuesday, February 22, 2011 08:41:27

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.026	622	2060	0.710	
Li	7.016	7.029	1587	2060	0.701	
Co	58.933	58.878	14276	1972	0.712	
Ce	139.905	139.929	33999	2015	0.725	
Tl	204.975	205.027	49701	2255	0.718	

Relative Std. Dev.

Mass	Meas. Intens. RSD
2.000	0.503
3.000	2.633
4.000	27.633
5.000	12.925
6.000	1.565
7.000	0.968
8.000	17.391
9.000	3.096
58.000	5.656
59.000	1.043
60.000	14.320
139.000	2.565
140.000	0.669
141.000	4.992
204.000	2.328
205.000	1.717
206.000	2.286

Report Date/Time: Tuesday, February 22, 2011 08:42:39
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Approved: February 23, 2011

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Tuesday, February 22, 2011 08:46:04
Sample Description:
Method File: C:\Elandata\Method\6020 DAILY.mth
Dataset File: C:\elandata\Dataset\021011\Sample.521
Tuning File: C:\Elandata\Tuning\06302008.tun
Optimization File: C:\Elandata\Optimize\Default.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 50
Current Dead Time (ns): 50

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Mg	24.0	60796.2	60796.178	863.879	1.4
	Rh	102.9	359273.2	359273.198	2440.129	0.7
	In	114.9	576966.3	576966.297	2299.713	0.4
	Pb	208.0	205269.0	205268.971	3237.049	1.6
	U	238.1	90.7	90.700	11.993	13.2
⌈>	Ba	137.9	292559.5	292559.492	1193.934	0.4
⌊	Ba++	69.0	4495.9	0.015	0.000	0.9
⌈>	Ce	139.9	366855.1	366855.071	2547.956	0.7
⌊	CeO	155.9	8309.6	0.023	0.000	1.0
	Bkgd	220.0	9.6	9.600	1.710	17.8
	Ar2	79.9	4901535.7	4901535.695	49625.474	1.0

Current Optimization File Data

Current Value	Description
0.95	Nebulizer Gas Flow
6.70	Lens Voltage
1500.00	ICP RF Power
-1834.38	Analog Stage Voltage
1000.00	Pulse Stage Voltage
20.00	Discriminator Threshold
-10.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	33	7.5	4793.5
Co	59	33	8.0	129402.2
Rh	103	33	9.0	140311.8
Pb	208	33	11.3	172960.6

Sample ID: Sample
Report Date/Time: Tuesday, February 22, 2011 08:48:12
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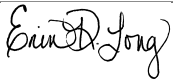

Method 6020 - Summary Report

Sample ID: Blank

Sample Date/Time: Tuesday, February 22, 2011 09:29:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17766.034					ug/L
|	Be	9	3.333					ug/L
|	Al	27	2550.350					ug/L
|>	Sc	45	307387.203					ug/L
⌈	Ti	49	53.339					ug/L
|	V	51	2644.773					ug/L
|	Cr	52	8652.163					ug/L
|	Cr	53	236.693					ug/L
|	Mn	55	329.342					ug/L
|	Co	59	61.667					ug/L
|	Ni	60	49.667					ug/L
|	Cu	65	109.002					ug/L
|	Zn	66	446.348					ug/L
|>	Ge	72	522526.782					ug/L
|	As	75	-188.650					ug/L
|	Se	77	66.667					ug/L
|	Se	82	-5.861					ug/L
⌊	Rb	85	23.667					mg/L
	Y	89	347782.183					ug/L
	Rh	103	10.333					ug/L
⌈	Mo	98	16.169					ug/L
|	Ag	107	44.667					ug/L
|	Cd	114	4.796					ug/L
|>	In	115	392525.443					ug/L
|	Sn	118	84.134					ug/L
⌊	Sb	123	48.655					ug/L
⌈	Ba	135	16.000					ug/L
|	Ce	140	26.669					ug/L
⌊>	Tb	159	502905.525					ug/L
⌈	Ho	165	16.668					ug/L
|	Tl	203	15.667					ug/L
|	Tl	205	16.668					ug/L
|	Pb	206	391.012					ug/L
|	Pb	207	334.342					ug/L
|	Pb	208	1553.396					ug/L
|	U	238	17.334					ug/L
⌊>	Bi	209	496287.267					ug/L

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⌈	Na	23	20155.659	mg/L
|	Mg	24	296.701	mg/L
|	K	39	578006.105	mg/L
|	Ca	43	246.695	mg/L
|	Fe	54	49624.891	mg/L
|	Fe	57	8247.558	mg/L
⌊>	Sc-1	45	307387.203	mg/L
	Cl	35	19016.070	mg/L
	Kr	83	60.667	mg/L
	Br	81	8610.376	mg/L
	P	31	13395.903	mg/L
	S	34	187980.977	mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Blank
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Method 6020 - Summary Report

Sample ID: Standard 1

Sample Date/Time: Tuesday, February 22, 2011 09:36:34
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15962.911	-0.01				ug/L
|	Be	9	14.000	0.00				ug/L
|	Al	27	3700.700	0.00				ug/L
⌊>	Sc	45	326305.349	326305.35				ug/L
⌈	Ti	49	46.671	-0.00				ug/L
|	V	51	2622.721	-0.00				ug/L
|	Cr	52	8503.366	-0.00				ug/L
|	Cr	53	253.362	0.00				ug/L
|	Mn	55	321.342	-0.00				ug/L
|	Co	59	68.001	0.00				ug/L
|	Ni	60	50.001	0.00				ug/L
|	Cu	65	99.668	-0.00				ug/L
|	Zn	66	472.016	0.00				ug/L
|>	Ge	72	524106.425	524106.42				ug/L
|	As	75	-201.195	-0.00				ug/L
|	Se	77	66.667	-0.00				ug/L
|	Se	82	-0.145	0.00				ug/L
⌊	Rb	85	21.334	-0.00				mg/L
	Y	89	346744.687	-1037.50				ug/L
	Rh	103	11.333	1.00				ug/L
⌈	Mo	98	14.534	-0.00				ug/L
|	Ag	107	42.001	-0.00				ug/L
|	Cd	114	-0.778	-0.00				ug/L
|>	In	115	399117.039	399117.04				ug/L
|	Sn	118	80.134	-0.00				ug/L
⌊	Sb	123	36.574	-0.00				ug/L
⌈	Ba	135	15.667	-0.00				ug/L
|	Ce	140	3.334	-0.00				ug/L
⌊>	Tb	159	511401.754	511401.75				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	19.334	0.00				ug/L
|	Tl	205	30.003	0.00				ug/L
|	Pb	206	375.344	-0.00				ug/L
|	Pb	207	353.343	0.00				ug/L
|	Pb	208	1535.061	-0.00				ug/L
|	U	238	12.000	-0.00				ug/L
⌊>	Bi	209	493041.912	493041.91				ug/L

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⌈	Na	23	20272.579	-0.00		mg/L
|	Mg	24	293.367	-0.00		mg/L
|	K	39	560812.435	-0.16		mg/L
|	Ca	43	216.691	-0.00		mg/L
|	Fe	54	48479.926	-0.01		mg/L
|	Fe	57	7843.868	-0.00		mg/L
⌊>	Sc-1	45	326305.349	326305.35		mg/L
	Cl	35	18498.428	-517.64		mg/L
	Kr	83	55.001	-5.67		mg/L
	Br	81	8664.424	54.05		mg/L
	P	31	12641.331	-754.57		mg/L
	S	34	187869.773	-111.20		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 1
Report Date/Time: Tuesday, February 22, 2011 09:38:45

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: Standard 2

Sample Date/Time: Tuesday, February 22, 2011 09:43:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 2
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19569.295	0.01				ug/L
|	Be	9	122.001	0.00				ug/L
|	Al	27	5734.982	0.01				ug/L
⌊>	Sc	45	311913.696	311913.70				ug/L
⌈	Ti	49	556.738	0.00				ug/L
|	V	51	6621.715	0.01				ug/L
|	Cr	52	11969.947	0.01				ug/L
|	Cr	53	563.406	0.00				ug/L
|	Mn	55	5908.471	0.01				ug/L
|	Co	59	4374.000	0.01				ug/L
|	Ni	60	907.384	0.00				ug/L
|	Cu	65	1081.069	0.00				ug/L
|	Zn	66	1333.102	0.00				ug/L
|>	Ge	72	507089.463	507089.46				ug/L
|	As	75	278.199	0.00				ug/L
|	Se	77	111.334	0.00				ug/L
|	Se	82	39.531	0.00				ug/L
⌊	Rb	85	46.667	0.00				mg/L
	Y	89	337325.000	-10457.18				ug/L
	Rh	103	7.667	-2.67				ug/L
⌈	Mo	98	2067.810	0.01				ug/L
|	Ag	107	1987.217	0.00				ug/L
|	Cd	114	474.069	0.00				ug/L
|>	In	115	398034.376	398034.38				ug/L
|	Sn	118	1756.688	0.00				ug/L
⌊	Sb	123	1638.477	0.00				ug/L
⌈	Ba	135	662.362	0.00				ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	507236.997	507237.00				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	2788.083	0.01				ug/L
|	Tl	205	6706.252	0.01				ug/L
|	Pb	206	2643.376	0.00				ug/L
|	Pb	207	2407.314	0.00				ug/L
|	Pb	208	10911.132	0.02				ug/L
|	U	238	13950.530	0.03				ug/L
⌊>	Bi	209	493623.130	493623.13				ug/L

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⌈	Na	23	273549.101	0.81		mg/L
|	Mg	24	163102.428	0.52		mg/L
|	K	39	974222.894	1.25		mg/L
|	Ca	43	976.813	0.00		mg/L
|	Fe	54	72735.787	0.07		mg/L
|	Fe	57	18562.407	0.03		mg/L
⌊>	Sc-1	45	311913.696	311913.70		mg/L
	Cl	35	19139.638	123.57		mg/L
	Kr	83	54.001	-6.67		mg/L
	Br	81	8968.698	358.32		mg/L
	P	31	11863.046	-1532.86		mg/L
	S	34	201153.557	13172.58		mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 2
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 2
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Method 6020 - Summary Report

Sample ID: Standard 3

Sample Date/Time: Tuesday, February 22, 2011 09:50:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 3
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16163.198	-0.00				ug/L
|	Be	9	12941.039	0.04	50.0000	2.473	4.947	ug/L
|	Al	27	304067.842	1.02	50.0000	5.786	11.571	ug/L
⌊>	Sc	45	297019.032	297019.03				ug/L
⌈	Ti	49	63648.298	0.13	100.0000	2.417	2.417	ug/L
|	V	51	498325.084	1.01	50.0000	1.428	2.856	ug/L
|	Cr	52	432554.594	0.87	50.0000	1.186	2.372	ug/L
|	Cr	53	51303.069	0.10	50.0000	0.875	1.749	ug/L
|	Mn	55	647355.386	1.32	50.0000	1.139	2.279	ug/L
|	Co	59	521486.397	1.06	50.0000	0.535	1.069	ug/L
|	Ni	60	110561.401	0.23	50.0000	1.005	2.010	ug/L
|	Cu	65	113263.305	0.23	50.0000	0.541	1.082	ug/L
|	Zn	66	66813.796	0.14	50.0000	0.266	0.532	ug/L
|>	Ge	72	490636.247	490636.25				ug/L
|	As	75	54399.385	0.11	50.0000	0.486	0.973	ug/L
|	Se	77	3978.792	0.01	50.0000	2.319	4.637	ug/L
|	Se	82	5021.535	0.01	50.0000	0.874	1.748	ug/L
⌊	Rb	85	2165.256	0.00				mg/L
	Y	89	327857.759	-19924.42				ug/L
	Rh	103	32.000	21.67				ug/L
⌈	Mo	98	249441.241	0.66	100.0000	1.236	1.236	ug/L
|	Ag	107	236500.289	0.63	50.0000	0.405	0.811	ug/L
|	Cd	114	55505.152	0.15	50.0000	1.306	2.613	ug/L
|>	In	115	378064.151	378064.15				ug/L
|	Sn	118	200423.883	0.53	50.0000	0.749	1.497	ug/L
⌊	Sb	123	193693.498	0.51	50.0000	0.878	1.755	ug/L
⌈	Ba	135	82816.765	0.17	50.0000	0.628	1.256	ug/L
|	Ce	140	60.006	0.00				ug/L
⌊>	Tb	159	482664.117	482664.12				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	326631.953	0.70	50.0000	0.907	1.814	ug/L
|	Tl	205	794719.494	1.69	50.0000	2.532	5.064	ug/L
|	Pb	206	267053.888	0.57	50.0000	2.619	5.239	ug/L
|	Pb	207	250003.183	0.53	50.0000	2.256	4.512	ug/L
|	Pb	208	1112788.769	2.37	50.0000	2.070	4.139	ug/L
|	U	238	1681334.994	3.58	50.0000	2.934	5.868	ug/L
⌊>	Bi	209	469653.931	469653.93				ug/L

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⌈	Na	23	28103773.621	94.75	5.0000	0.338	6.763	mg/L
|	Mg	24	17651996.081	59.51	5.0000	0.211	4.223	mg/L
|	K	39	41906570.402	139.41	5.0000	0.272	5.435	mg/L
|	Ca	43	93807.307	0.32	5.0000	0.285	5.700	mg/L
|	Fe	54	3166282.174	10.52	5.0000	0.378	7.566	mg/L
|	Fe	57	1310715.732	4.39	5.0000	0.220	4.403	mg/L
⌊>	Sc-1	45	297019.032	297019.03				mg/L
	Cl	35	20813.641	1797.57				mg/L
	Kr	83	54.001	-6.67				mg/L
	Br	81	8116.633	-493.74				mg/L
	P	31	10689.062	-2706.84				mg/L
	S	34	207867.049	19886.07				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72					
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115					
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159					
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209					
⌈	Na	23					

Sample ID: Standard 3
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 3
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Method 6020 - Summary Report

Sample ID: Standard 4

Sample Date/Time: Tuesday, February 22, 2011 09:56:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 4
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16463.642	-0.00				ug/L
|	Be	9	25119.582	0.08	98.4868	2.743	2.785	ug/L
|	Al	27	586145.764	1.97	98.3412	5.449	5.541	ug/L
|>	Sc	45	296864.452	296864.45				ug/L
⌈	Ti	49	124206.778	0.26	201.4975	8.646	4.291	ug/L
|	V	51	958294.984	2.03	100.1360	0.261	0.260	ug/L
|	Cr	52	810819.628	1.70	99.2068	0.721	0.727	ug/L
|	Cr	53	94571.208	0.20	97.9754	1.413	1.442	ug/L
|	Mn	55	1242713.775	2.63	99.9500	1.302	1.303	ug/L
|	Co	59	987630.323	2.09	99.2603	1.082	1.090	ug/L
|	Ni	60	203112.072	0.43	97.7404	0.991	1.013	ug/L
|	Cu	65	211247.809	0.45	98.5269	1.370	1.390	ug/L
|	Zn	66	125393.530	0.27	99.0854	0.577	0.582	ug/L
|>	Ge	72	471573.115	471573.11				ug/L
|	As	75	103155.786	0.22	99.2469	1.870	1.884	ug/L
|	Se	77	7430.095	0.02	99.0316	3.882	3.920	ug/L
|	Se	82	9427.784	0.02	98.8198	2.865	2.899	ug/L
⌊	Rb	85	4149.902	0.01				mg/L
	Y	89	319522.764	-28259.42				ug/L
	Rh	103	46.667	36.33				ug/L
⌈	Mo	98	482478.132	1.31	199.0799	5.896	2.962	ug/L
|	Ag	107	453039.372	1.23	99.0588	2.562	2.586	ug/L
|	Cd	114	107909.944	0.29	99.7980	1.800	1.804	ug/L
|>	In	115	369077.209	369077.21				ug/L
|	Sn	118	390868.748	1.06	99.9488	0.977	0.978	ug/L
⌊	Sb	123	372317.484	1.01	99.2248	1.363	1.373	ug/L
⌈	Ba	135	159346.462	0.33	98.3745	1.645	1.672	ug/L
|	Ce	140	43.338	0.00				ug/L
|>	Tb	159	479703.679	479703.68				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	645790.793	1.42	100.9527	3.075	3.046	ug/L
|	Tl	205	1622880.403	3.56	102.4906	0.774	0.756	ug/L
|	Pb	206	524070.253	1.15	100.5628	2.503	2.489	ug/L
|	Pb	207	495855.302	1.09	101.0902	2.052	2.030	ug/L
|	Pb	208	2197059.286	4.82	100.8667	2.291	2.271	ug/L
|	U	238	3148625.432	6.91	98.1813	4.690	4.777	ug/L
|>	Bi	209	455594.613	455594.61				ug/L

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Na	23	55470783.609	187.06	9.9371	0.536	5.393	mg/L	
Mg	24	35205900.365	118.79	9.9928	0.555	5.553	mg/L	
K	39	83234545.684	278.53	9.9972	0.057	0.568	mg/L	
Ca	43	183934.117	0.62	9.8955	0.304	3.072	mg/L	
Fe	54	6001462.786	20.06	9.7590	0.222	2.276	mg/L	
Fe	57	2397070.062	8.06	9.5727	0.598	6.251	mg/L	
> Sc-1	45	296864.452	296864.45				mg/L	
Cl	35	19444.219	428.15				mg/L	
Kr	83	54.334	-6.33				mg/L	
Br	81	7716.312	-894.06				mg/L	
P	31	10895.946	-2499.96				mg/L	
S	34	201083.966	13102.99				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72					
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115					
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159					
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209					
Na	23					

Sample ID: Standard 4
Report Date/Time: Tuesday, February 22, 2011 09:59:02

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: Standard 4
Report Date/Time: Tuesday, February 22, 2011 09:59:02

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 1

Sample Date/Time: Tuesday, February 22, 2011 10:03:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 11
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16897.722	-0.00				ug/L
|	Be	9	12812.872	0.04	50.2075	1.550	3.087	ug/L
|	Al	27	308323.283	1.03	51.4145	3.575	6.954	ug/L
⌊>	Sc	45	297031.793	297031.79				ug/L
⌈	Ti	49	61410.847	0.13	98.7711	3.224	3.264	ug/L
|	V	51	493089.505	1.03	50.9609	1.309	2.568	ug/L
|	Cr	52	428641.875	0.88	51.5328	1.584	3.073	ug/L
|	Cr	53	50003.258	0.10	51.2964	3.058	5.962	ug/L
|	Mn	55	645615.980	1.36	51.4601	1.133	2.201	ug/L
|	Co	59	507472.488	1.07	50.5584	1.050	2.076	ug/L
|	Ni	60	107359.397	0.23	51.2167	1.304	2.545	ug/L
|	Cu	65	108406.903	0.23	50.0910	1.052	2.100	ug/L
|	Zn	66	64749.261	0.14	50.4355	0.524	1.039	ug/L
| >	Ge	72	475711.015	475711.01				ug/L
|	As	75	53631.634	0.11	51.2237	0.992	1.937	ug/L
|	Se	77	3974.790	0.01	52.0386	0.871	1.674	ug/L
|	Se	82	5026.171	0.01	52.2325	0.998	1.910	ug/L
⌊	Rb	85	2166.256	0.00				mg/L
	Y	89	323088.909	-24693.27				ug/L
	Rh	103	30.000	19.67				ug/L
⌈	Mo	98	247382.462	0.66	99.9239	1.341	1.342	ug/L
|	Ag	107	236573.860	0.63	50.6337	0.550	1.087	ug/L
|	Cd	114	53368.019	0.14	48.3033	0.984	2.037	ug/L
| >	In	115	376999.135	376999.14				ug/L
|	Sn	118	196896.185	0.52	49.2881	0.652	1.322	ug/L
⌊	Sb	123	188993.377	0.50	49.3035	0.228	0.462	ug/L
⌈	Ba	135	81011.740	0.16	48.3196	0.685	1.418	ug/L
|	Ce	140	113.345	0.00				ug/L
⌊>	Tb	159	496489.928	496489.93				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	341136.801	0.71	50.3583	1.121	2.226	ug/L
|	Tl	205	846877.428	1.76	50.5388	2.275	4.501	ug/L
|	Pb	206	281966.839	0.58	51.0666	0.338	0.662	ug/L
|	Pb	207	247863.249	0.51	47.7002	0.817	1.712	ug/L
|	Pb	208	1148300.889	2.38	49.7670	0.318	0.639	ug/L
|	U	238	1671521.003	3.47	49.2315	1.191	2.420	ug/L
⌊>	Bi	209	482217.348	482217.35				ug/L

Sample ID: QC Std 1
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⌈	Na	23	28472155.438	95.84	5.0899	0.186	3.648	mg/L
|	Mg	24	17968908.039	60.51	5.0880	0.098	1.917	mg/L
|	K	39	44077168.257	146.58	5.2589	0.174	3.313	mg/L
|	Ca	43	95422.940	0.32	5.1330	0.228	4.445	mg/L
|	Fe	54	3203139.652	10.63	5.1721	0.210	4.056	mg/L
|	Fe	57	1321689.257	4.43	5.2548	0.259	4.935	mg/L
⌊>	Sc-1	45	297031.793	297031.79				mg/L
	Cl	35	20403.474	1387.40				mg/L
	Kr	83	58.001	-2.67				mg/L
	Br	81	7982.521	-627.85				mg/L
	P	31	12526.564	-869.34				mg/L
	S	34	221905.158	33924.18				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9	100.415				
|	Al	27	102.829				
⌊>	Sc	45					
⌈	Ti	49	98.771				
|	V	51	101.922				
|	Cr	52	103.066				
|	Cr	53					
|	Mn	55	102.920				
|	Co	59	101.117				
|	Ni	60	102.433				
|	Cu	65	100.182				
|	Zn	66	100.871				
|>	Ge	72		91.041			
|	As	75	102.447				
|	Se	77					
|	Se	82	104.465				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	101.267				
|	Cd	114	96.607				
|>	In	115		96.045			
|	Sn	118					
⌊	Sb	123	98.607				
⌈	Ba	135	96.639				
|	Ce	140					
⌊>	Tb	159		98.724			
⌈	Ho	165					
|	Tl	203	100.717				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	99.534				
|	U	238	98.463				
⌊>	Bi	209		97.165			
⌈	Na	23	101.798				

Sample ID: QC Std 1
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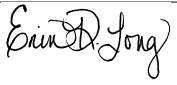
|	Mg	24	101.760
|	K	39	105.178
|	Ca	43	102.659
|	Fe	54	103.442
|	Fe	57	105.096
|>	Sc-1	45	
	Cl	35	
	Kr	83	
	Br	81	
	P	31	
	S	34	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011



Method 6020 - Summary Report

Sample ID: QC Std 2

Sample Date/Time: Tuesday, February 22, 2011 10:10:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16864.384	-0.00				ug/L
|	Be	9	7.333	0.00	-0.0266	0.004	14.400	ug/L
|	Al	27	3150.501	0.00	0.0078	0.064	828.657	ug/L
⌊>	Sc	45	299040.574	299040.57				ug/L
⌈	Ti	49	80.008	0.00	0.0860	0.039	45.408	ug/L
|	V	51	2444.203	-0.00	0.0045	0.002	52.240	ug/L
|	Cr	52	8022.964	0.00	-0.0087	0.018	204.209	ug/L
|	Cr	53	220.025	0.00	0.0790	0.056	70.618	ug/L
|	Mn	55	314.675	0.00	-0.0175	0.001	6.574	ug/L
|	Co	59	69.668	0.00	-0.0021	0.001	46.177	ug/L
|	Ni	60	51.001	0.00	0.0178	0.006	32.399	ug/L
|	Cu	65	107.335	0.00	-0.0205	0.004	21.529	ug/L
|	Zn	66	439.347	0.00	-0.2452	0.016	6.501	ug/L
|>	Ge	72	483678.452	483678.45				ug/L
|	As	75	-148.637	0.00	0.0130	0.022	165.752	ug/L
|	Se	77	67.334	0.00	-0.1097	0.064	58.630	ug/L
|	Se	82	4.191	0.00	0.0596	0.022	36.528	ug/L
⌊	Rb	85	19.667	-0.00				mg/L
	Y	89	323720.941	-24061.24				ug/L
	Rh	103	11.000	0.67				ug/L
⌈	Mo	98	124.130	0.00	0.0588	0.005	8.490	ug/L
|	Ag	107	28.000	-0.00	0.0031	0.001	41.294	ug/L
|	Cd	114	0.888	-0.00	-0.0060	0.006	103.431	ug/L
|>	In	115	378843.387	378843.39				ug/L
|	Sn	118	251.336	0.00	0.0460	0.002	3.629	ug/L
⌊	Sb	123	409.714	0.00	0.1015	0.007	6.976	ug/L
⌈	Ba	135	14.667	-0.00	0.0221	0.002	7.622	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	495579.670	495579.67				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	29.667	0.00	0.0022	0.001	50.448	ug/L
|	Tl	205	40.004	0.00	0.0114	0.001	10.861	ug/L
|	Pb	206	401.679	0.00	0.0043	0.004	89.606	ug/L
|	Pb	207	330.342	0.00	0.0104	0.003	24.607	ug/L
|	Pb	208	1553.063	0.00	0.0048	0.000	5.067	ug/L
|	U	238	78.334	0.00	0.0008	0.000	41.025	ug/L
⌊>	Bi	209	480862.887	480862.89				ug/L

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⌈	Na	23	21675.651	0.01	-0.0028	0.000	3.532	mg/L
|	Mg	24	536.735	0.00	-0.0039	0.000	0.420	mg/L
|	K	39	598780.704	0.12	-0.0004	0.002	423.783	mg/L
|	Ca	43	273.364	0.00	0.0043	0.002	55.468	mg/L
|	Fe	54	44447.608	-0.01	-0.0014	0.003	204.645	mg/L
|	Fe	57	7226.669	-0.00	-0.0020	0.002	99.983	mg/L
⌊>	Sc-1	45	299040.574	299040.57				mg/L
	Cl	35	19520.373	504.30				mg/L
	Kr	83	54.667	-6.00				mg/L
	Br	81	7911.132	-699.24				mg/L
	P	31	11371.813	-2024.09				mg/L
	S	34	209648.252	21667.27				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.565			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.514			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.543			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.892			
⌈	Na	23					

Sample ID: QC Std 2
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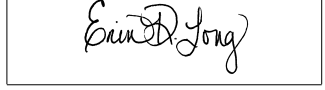
|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 2
Report Date/Time: Tuesday, February 22, 2011 10:13:10

Approved: February 23, 2011



Method 6020 - Summary Report

Sample ID: QC Std 3

Sample Date/Time: Tuesday, February 22, 2011 10:17:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16797.572	0.00				ug/L
|	Be	9	8.667	0.00	-0.0201	0.013	63.445	ug/L
|	Al	27	2250.254	-0.00	-0.1308	0.036	27.604	ug/L
⌊>	Sc	45	289738.010	289738.01				ug/L
⌈	Ti	49	80.008	0.00	0.0869	0.031	36.019	ug/L
|	V	51	6437.721	0.01	0.4143	0.024	5.691	ug/L
|	Cr	52	15232.413	0.02	0.8652	0.032	3.751	ug/L
|	Cr	53	986.814	0.00	0.8575	0.066	7.726	ug/L
|	Mn	55	7434.837	0.01	0.5429	0.001	0.245	ug/L
|	Co	59	4309.638	0.01	0.4147	0.003	0.660	ug/L
|	Ni	60	3744.406	0.01	1.7560	0.057	3.246	ug/L
|	Cu	65	1998.553	0.00	0.8429	0.005	0.584	ug/L
|	Zn	66	8809.967	0.02	6.2631	0.114	1.824	ug/L
|>	Ge	72	482196.898	482196.90				ug/L
|	As	75	263.566	0.00	0.3999	0.025	6.188	ug/L
|	Se	77	103.334	0.00	0.3673	0.356	96.952	ug/L
|	Se	82	31.134	0.00	0.3358	0.042	12.502	ug/L
⌊	Rb	85	24.000	0.00				mg/L
	Y	89	325030.054	-22752.13				ug/L
	Rh	103	7.333	-3.00				ug/L
⌈	Mo	98	61.832	0.00	0.0338	0.005	13.713	ug/L
|	Ag	107	1965.546	0.01	0.4162	0.007	1.771	ug/L
|	Cd	114	217.305	0.00	0.1893	0.006	3.323	ug/L
|>	In	115	378417.709	378417.71				ug/L
|	Sn	118	164.135	0.00	0.0243	0.001	5.801	ug/L
⌊	Sb	123	1677.398	0.00	0.4311	0.004	0.899	ug/L
⌈	Ba	135	1246.424	0.00	0.7726	0.028	3.631	ug/L
|	Ce	140	23.336	-0.00				ug/L
⌊>	Tb	159	486219.766	486219.77				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	593.024	0.00	0.0868	0.001	1.245	ug/L
|	Tl	205	1443.582	0.00	0.0967	0.008	8.336	ug/L
|	Pb	206	2634.373	0.00	0.4175	0.023	5.412	ug/L
|	Pb	207	2359.969	0.00	0.4092	0.011	2.740	ug/L
|	Pb	208	10806.089	0.02	0.4142	0.012	3.003	ug/L
|	U	238	13494.904	0.03	0.4027	0.007	1.738	ug/L
⌊>	Bi	209	474268.213	474268.21				ug/L

Sample ID: QC Std 3
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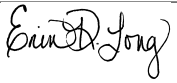
Na	23	15593.724	-0.01	-0.0038	0.000	2.569	mg/L
Mg	24	423.385	0.00	-0.0039	0.000	0.698	mg/L
K	39	575425.600	0.11	-0.0010	0.001	66.359	mg/L
Ca	43	206.690	-0.00	0.0011	0.004	330.067	mg/L
Fe	54	44455.101	-0.01	0.0009	0.003	347.744	mg/L
Fe	57	7149.939	-0.00	-0.0014	0.001	97.468	mg/L
> Sc-1	45	289738.010	289738.01				mg/L
Cl	35	17891.331	-1124.74				mg/L
Kr	83	61.334	0.67				mg/L
Br	81	7983.186	-627.19				mg/L
P	31	9422.460	-3973.44				mg/L
S	34	189971.534	1990.56				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	103.583				
Cr	52	108.154				
Cr	53					
Mn	55	108.576				
Co	59	103.685				
Ni	60	109.751				
Cu	65	105.366				
Zn	66	100.210				
> Ge	72		92.282			
As	75	99.983				
Se	77					
Se	82	83.952				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	104.062				
Cd	114	94.635				
> In	115		96.406			
Sn	118					
Sb	123	107.777				
Ba	135	103.007				
Ce	140					
> Tb	159		96.682			
Ho	165					
Tl	203	108.527				
Tl	205					
Pb	206					
Pb	207					
Pb	208	103.562				
U	238	100.673				
> Bi	209		95.563			
Na	23					

Sample ID: QC Std 3
Report Date/Time: Tuesday, February 22, 2011 10:20:00

Approved: February 23, 2011



Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 3
Report Date/Time: Tuesday, February 22, 2011 10:20:00
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Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Tuesday, February 22, 2011 10:24:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16129.677	-0.00				ug/L
|	Be	9	9.333	0.00	-0.0174	0.018	102.874	ug/L
|	Al	27	25760075.617	88.51	4424.8547	97.818	2.211	ug/L
⌊>	Sc	45	291165.923	291165.92				ug/L
⌈	Ti	49	59747.246	0.13	97.4228	1.655	1.699	ug/L
|	V	51	2233.504	-0.00	-0.0100	0.024	241.743	ug/L
|	Cr	52	8240.811	0.00	0.0479	0.008	17.710	ug/L
|	Cr	53	1443.583	0.00	1.3618	0.187	13.733	ug/L
|	Mn	55	3994.171	0.01	0.2809	0.006	2.055	ug/L
|	Co	59	2002.554	0.00	0.1935	0.008	4.178	ug/L
|	Ni	60	1205.752	0.00	0.5777	0.057	9.938	ug/L
|	Cu	65	831.376	0.00	0.3210	0.033	10.236	ug/L
|	Zn	66	958.056	0.00	0.1805	0.058	32.132	ug/L
| >	Ge	72	469244.864	469244.86				ug/L
|	As	75	-158.463	0.00	-0.0012	0.047	3974.015	ug/L
|	Se	77	134.001	0.00	0.8153	0.437	53.660	ug/L
|	Se	82	1.478	0.00	0.0317	0.056	177.801	ug/L
⌊	Rb	85	1828.852	0.00				mg/L
	Y	89	296919.597	-50862.59				ug/L
	Rh	103	14.000	3.67				ug/L
⌈	Mo	98	236488.340	0.66	99.8934	0.458	0.459	ug/L
|	Ag	107	90.335	0.00	0.0173	0.000	0.860	ug/L
|	Cd	114	82.079	0.00	0.0709	0.031	43.037	ug/L
| >	In	115	360464.664	360464.66				ug/L
|	Sn	118	613.486	0.00	0.1440	0.022	15.291	ug/L
⌊	Sb	123	249.537	0.00	0.0632	0.006	8.712	ug/L
⌈	Ba	135	40.000	0.00	0.0385	0.002	5.441	ug/L
|	Ce	140	246.694	0.00				ug/L
⌊>	Tb	159	471123.419	471123.42				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	86.335	0.00	0.0111	0.001	9.113	ug/L
|	Tl	205	166.685	0.00	0.0193	0.002	9.349	ug/L
|	Pb	206	448.348	0.00	0.0157	0.006	39.648	ug/L
|	Pb	207	389.678	0.00	0.0249	0.005	19.345	ug/L
|	Pb	208	1775.746	0.00	0.0174	0.000	2.752	ug/L
|	U	238	30.334	0.00	-0.0006	0.000	43.102	ug/L
⌊>	Bi	209	463308.076	463308.08				ug/L

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⌈	Na	23	69941422.811	240.41	12.7719	0.566	4.433	mg/L
|	Mg	24	17418084.873	59.88	5.0352	0.182	3.621	mg/L
|	K	39	43032578.866	146.00	5.2381	0.121	2.309	mg/L
|	Ca	43	271014.674	0.93	14.9081	0.886	5.943	mg/L
|	Fe	54	7527019.302	25.72	12.5111	0.596	4.762	mg/L
|	Fe	57	2948750.718	10.11	12.0084	0.646	5.378	mg/L
⌊>	Sc-1	45	291165.923	291165.92				mg/L
	Cl	35	2031992.879	2012976.81				mg/L
	Kr	83	60.001	-0.67				mg/L
	Br	81	7355.374	-1255.00				mg/L
	P	31	1753326.040	1739930.14				mg/L
	S	34	362807.640	174826.66				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		89.803			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.832			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.680			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.355			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
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Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Tuesday, February 22, 2011 10:31:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18767.620	0.01				ug/L
|	Be	9	26999.079	0.10	113.9327	8.418	7.389	ug/L
|	Al	27	25727955.822	93.26	4662.3066	383.295	8.221	ug/L
⌊>	Sc	45	276596.995	276596.99				ug/L
⌈	Ti	49	58151.135	0.13	96.4829	2.776	2.877	ug/L
|	V	51	939084.144	2.03	100.3671	1.353	1.348	ug/L
|	Cr	52	808186.789	1.74	101.1588	1.843	1.821	ug/L
|	Cr	53	96425.823	0.21	102.1809	3.001	2.937	ug/L
|	Mn	55	1218067.333	2.64	100.1991	0.747	0.746	ug/L
|	Co	59	975453.161	2.12	100.2684	0.965	0.962	ug/L
|	Ni	60	202358.105	0.44	99.5961	1.349	1.354	ug/L
|	Cu	65	210475.445	0.46	100.4022	1.950	1.942	ug/L
|	Zn	66	125580.572	0.27	101.5083	1.214	1.196	ug/L
| >	Ge	72	461065.775	461065.77				ug/L
|	As	75	103445.720	0.22	101.7858	2.432	2.389	ug/L
|	Se	77	7602.889	0.02	103.6756	1.148	1.108	ug/L
|	Se	82	9389.046	0.02	100.6470	1.678	1.667	ug/L
⌊	Rb	85	1799.847	0.00				mg/L
	Y	89	295429.640	-52352.54				ug/L
	Rh	103	49.334	39.00				ug/L
⌈	Mo	98	233286.740	0.65	98.3352	0.116	0.118	ug/L
|	Ag	107	460960.883	1.28	102.9533	7.653	7.434	ug/L
|	Cd	114	107570.385	0.30	101.6403	2.105	2.071	ug/L
| >	In	115	361218.331	361218.33				ug/L
|	Sn	118	524.014	0.00	0.1203	0.005	4.054	ug/L
⌊	Sb	123	364926.561	1.01	99.3629	1.219	1.226	ug/L
⌈	Ba	135	154193.301	0.33	98.3004	0.201	0.204	ug/L
|	Ce	140	243.361	0.00				ug/L
⌊>	Tb	159	464479.585	464479.59				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	649687.327	1.44	102.4613	3.318	3.238	ug/L
|	Tl	205	1587411.615	3.52	101.2343	3.951	3.903	ug/L
|	Pb	206	544570.570	1.21	105.4646	3.180	3.015	ug/L
|	Pb	207	483113.746	1.07	99.3847	0.729	0.733	ug/L
|	Pb	208	2219460.198	4.91	102.8357	1.055	1.026	ug/L
|	U	238	3123187.378	6.92	98.2514	1.315	1.338	ug/L
⌊>	Bi	209	451403.202	451403.20				ug/L

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Na	23	70102307.931	253.78	13.4825	0.667	4.945	mg/L	
Mg	24	17286792.776	62.60	5.2640	0.248	4.717	mg/L	
K	39	40522446.151	144.79	5.1947	0.211	4.057	mg/L	
Ca	43	255805.658	0.92	14.8033	0.546	3.691	mg/L	
Fe	54	7393275.459	26.63	12.9510	0.808	6.241	mg/L	
Fe	57	2980999.009	10.77	12.7880	0.742	5.801	mg/L	
Sc-1	45	276596.995	276596.99				mg/L	
Cl	35	1983136.737	1964120.67				mg/L	
Kr	83	58.667	-2.00				mg/L	
Br	81	7250.628	-1359.75				mg/L	
P	31	1705927.335	1692531.43				mg/L	
S	34	346862.174	158881.20				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	100.367				
Cr	52	101.159				
Cr	53					
Mn	55	100.199				
Co	59	100.268				
Ni	60	99.596				
Cu	65	100.402				
Zn	66	101.508				
Ge	72		88.238			
As	75	101.786				
Se	77					
Se	82	100.647				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	102.953				
Cd	114	101.640				
In	115		92.024			
Sn	118					
Sb	123	99.363				
Ba	135	98.300				
Ce	140					
Tb	159		92.359			
Ho	165					
Tl	203	102.461				
Tl	205					
Pb	206					
Pb	207					
Pb	208	102.836				
U	238	98.251				
Bi	209		90.956			
Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
Report Date/Time: Tuesday, February 22, 2011 10:33:36

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 10:38:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17198.112	0.00				ug/L
|	Be	9	12973.754	0.05	53.6316	5.032	9.383	ug/L
|	Al	27	292414.147	1.03	51.3474	2.733	5.322	ug/L
⌊>	Sc	45	282424.636	282424.64				ug/L
⌈	Ti	49	60481.731	0.13	98.1326	1.343	1.368	ug/L
|	V	51	470456.527	0.99	49.0494	1.729	3.525	ug/L
|	Cr	52	401589.299	0.84	48.6536	0.320	0.658	ug/L
|	Cr	53	46221.209	0.10	47.8237	1.150	2.405	ug/L
|	Mn	55	604917.674	1.28	48.6408	1.527	3.140	ug/L
|	Co	59	478642.352	1.02	48.1076	0.878	1.825	ug/L
|	Ni	60	99120.829	0.21	47.7054	0.635	1.331	ug/L
|	Cu	65	103782.217	0.22	48.3746	0.610	1.261	ug/L
|	Zn	66	62906.239	0.13	49.4248	0.803	1.625	ug/L
|>	Ge	72	471484.072	471484.07				ug/L
|	As	75	50654.325	0.11	48.8203	0.564	1.156	ug/L
|	Se	77	3782.049	0.01	49.9285	1.426	2.856	ug/L
|	Se	82	4742.047	0.01	49.7191	0.543	1.092	ug/L
⌊	Rb	85	1982.216	0.00				mg/L
	Y	89	308421.321	-39360.86				ug/L
	Rh	103	24.667	14.33				ug/L
⌈	Mo	98	235705.173	0.65	98.2255	1.939	1.974	ug/L
|	Ag	107	225607.254	0.62	49.8201	1.066	2.140	ug/L
|	Cd	114	51739.934	0.14	48.3125	1.639	3.392	ug/L
|>	In	115	365430.646	365430.65				ug/L
|	Sn	118	189155.717	0.52	48.8481	0.825	1.688	ug/L
⌊	Sb	123	183587.130	0.50	49.4169	1.004	2.031	ug/L
⌈	Ba	135	76695.758	0.16	47.8043	0.898	1.879	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	475220.985	475220.98				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	317804.079	0.68	48.2583	0.697	1.445	ug/L
|	Tl	205	781642.521	1.67	47.9718	0.967	2.016	ug/L
|	Pb	206	255845.970	0.54	47.6517	0.415	0.872	ug/L
|	Pb	207	238610.813	0.51	47.2303	0.558	1.182	ug/L
|	Pb	208	1086377.363	2.31	48.4323	0.481	0.993	ug/L
|	U	238	1610373.808	3.44	48.7911	0.559	1.145	ug/L
⌊>	Bi	209	468838.036	468838.04				ug/L

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Na	23	27604578.670	97.74	5.1908	0.104	2.007	mg/L
Mg	24	17480972.090	61.92	5.2066	0.081	1.555	mg/L
K	39	41173798.739	144.09	5.1695	0.172	3.321	mg/L
Ca	43	89258.954	0.32	5.0555	0.233	4.599	mg/L
Fe	54	2923874.246	10.21	4.9664	0.173	3.478	mg/L
Fe	57	1231412.673	4.34	5.1510	0.152	2.959	mg/L
Sc-1	45	282424.636	282424.64				mg/L
Cl	35	20719.443	1703.37				mg/L
Kr	83	55.667	-5.00				mg/L
Br	81	7233.958	-1376.42				mg/L
P	31	11245.657	-2150.25				mg/L
S	34	196351.329	8370.35				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
Sc	45					
Ti	49					
V	51	98.099				
Cr	52	97.307				
Cr	53					
Mn	55	97.282				
Co	59	96.215				
Ni	60	95.411				
Cu	65	96.749				
Zn	66	98.850				
Ge	72		90.232			
As	75	97.641				
Se	77					
Se	82	99.438				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.640				
Cd	114	96.625				
In	115		93.097			
Sn	118					
Sb	123	98.834				
Ba	135	95.609				
Ce	140					
Tb	159		94.495			
Ho	165					
Tl	203	96.517				
Tl	205					
Pb	206					
Pb	207					
Pb	208	96.865				
U	238	97.582				
Bi	209		94.469			
Na	23					

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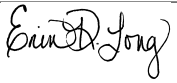

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 10:40:23
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Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 10:45:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17231.647	0.00				ug/L
|	Be	9	10.667	0.00	-0.0130	0.030	230.008	ug/L
|	Al	27	3167.174	0.00	0.0209	0.076	362.055	ug/L
⌊>	Sc	45	293323.635	293323.63				ug/L
⌈	Ti	49	56.673	0.00	0.0523	0.033	63.699	ug/L
|	V	51	2366.074	-0.00	0.0042	0.010	237.666	ug/L
|	Cr	52	8010.621	0.00	0.0199	0.008	40.871	ug/L
|	Cr	53	206.690	-0.00	0.0715	0.058	81.031	ug/L
|	Mn	55	345.676	0.00	-0.0142	0.002	12.213	ug/L
|	Co	59	69.334	0.00	-0.0019	0.001	29.262	ug/L
|	Ni	60	48.001	0.00	0.0171	0.006	33.305	ug/L
|	Cu	65	85.001	-0.00	-0.0294	0.007	23.678	ug/L
|	Zn	66	432.680	0.00	-0.2396	0.021	8.861	ug/L
|>	Ge	72	468960.181	468960.18				ug/L
|	As	75	-164.959	0.00	-0.0068	0.056	814.958	ug/L
|	Se	77	75.334	0.00	0.0257	0.039	151.049	ug/L
|	Se	82	-5.858	-0.00	-0.0445	0.116	260.583	ug/L
⌊	Rb	85	19.667	-0.00				mg/L
	Y	89	312265.890	-35516.29				ug/L
	Rh	103	8.667	-1.67				ug/L
⌈	Mo	98	126.614	0.00	0.0615	0.004	6.091	ug/L
|	Ag	107	46.334	0.00	0.0073	0.002	23.588	ug/L
|	Cd	114	2.598	-0.00	-0.0043	0.002	39.214	ug/L
|>	In	115	366863.799	366863.80				ug/L
|	Sn	118	211.336	0.00	0.0378	0.002	5.479	ug/L
⌊	Sb	123	281.706	0.00	0.0706	0.008	11.685	ug/L
⌈	Ba	135	16.667	0.00	0.0236	0.001	5.168	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	480280.922	480280.92				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	31.667	0.00	0.0027	0.000	5.176	ug/L
|	Tl	205	80.008	0.00	0.0140	0.002	15.837	ug/L
|	Pb	206	357.677	-0.00	-0.0011	0.001	122.179	ug/L
|	Pb	207	330.675	0.00	0.0131	0.003	23.653	ug/L
|	Pb	208	1474.058	0.00	0.0039	0.004	98.651	ug/L
|	U	238	81.001	0.00	0.0009	0.000	6.068	ug/L
⌊>	Bi	209	462213.195	462213.19				ug/L

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⌈	Na	23	21565.400	0.01	-0.0028	0.000	5.943	mg/L
|	Mg	24	643.419	0.00	-0.0039	0.000	1.402	mg/L
|	K	39	550484.680	-0.00	-0.0049	0.000	6.686	mg/L
|	Ca	43	170.019	-0.00	-0.0010	0.003	291.061	mg/L
|	Fe	54	42070.747	-0.02	-0.0039	0.002	56.580	mg/L
|	Fe	57	6546.135	-0.00	-0.0042	0.002	48.340	mg/L
⌊>	Sc-1	45	293323.635	293323.63				mg/L
	Cl	35	18741.547	-274.52				mg/L
	Kr	83	60.334	-0.33				mg/L
	Br	81	7489.474	-1120.90				mg/L
	P	31	10384.810	-3011.09				mg/L
	S	34	185223.026	-2757.95				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		89.749			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.462			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.501			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.134			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
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Method 6020 - Summary Report

Sample ID: PBW 40 WG357046-02

Sample Date/Time: Tuesday, February 22, 2011 10:52:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 12
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18333.578	0.00				ug/L
|	Be	9	7.333	0.00	-0.0276	0.011	39.916	ug/L
|	Al	27	23026.524	0.07	3.2107	0.230	7.165	ug/L
⌊>	Sc	45	308796.631	308796.63				ug/L
⌈	Ti	49	80.008	0.00	0.0874	0.058	66.892	ug/L
|	V	51	2587.901	0.00	0.0200	0.007	34.422	ug/L
|	Cr	52	9871.636	0.00	0.2173	0.030	13.739	ug/L
|	Cr	53	486.727	0.00	0.3496	0.075	21.508	ug/L
|	Mn	55	1992.552	0.00	0.1146	0.003	2.344	ug/L
|	Co	59	87.001	0.00	-0.0003	0.002	573.123	ug/L
|	Ni	60	303.341	0.00	0.1366	0.007	5.455	ug/L
|	Cu	65	281.007	0.00	0.0590	0.004	7.227	ug/L
|	Zn	66	4602.439	0.01	2.9912	0.066	2.222	ug/L
|>	Ge	72	482333.385	482333.39				ug/L
|	As	75	-133.725	0.00	0.0270	0.041	153.811	ug/L
|	Se	77	67.334	0.00	-0.1104	0.290	262.350	ug/L
|	Se	82	11.594	0.00	0.1361	0.093	68.266	ug/L
⌊	Rb	85	50.667	0.00				mg/L
	Y	89	322954.297	-24827.89				ug/L
	Rh	103	7.667	-2.67				ug/L
⌈	Mo	98	126.545	0.00	0.0589	0.003	5.015	ug/L
|	Ag	107	25.667	-0.00	0.0025	0.001	51.464	ug/L
|	Cd	114	2.956	-0.00	-0.0041	0.008	196.959	ug/L
|>	In	115	385601.556	385601.56				ug/L
|	Sn	118	559.216	0.00	0.1203	0.001	1.066	ug/L
⌊	Sb	123	381.923	0.00	0.0925	0.007	7.726	ug/L
⌈	Ba	135	88.335	0.00	0.0649	0.010	14.998	ug/L
|	Ce	140	90.009	0.00				ug/L
⌊>	Tb	159	507911.590	507911.59				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	27.000	0.00	0.0017	0.000	22.404	ug/L
|	Tl	205	43.338	0.00	0.0115	0.000	3.509	ug/L
|	Pb	206	514.018	0.00	0.0212	0.001	3.900	ug/L
|	Pb	207	469.349	0.00	0.0339	0.004	12.577	ug/L
|	Pb	208	2073.104	0.00	0.0241	0.002	10.168	ug/L
|	U	238	101.668	0.00	0.0013	0.000	18.981	ug/L
⌊>	Bi	209	499754.211	499754.21				ug/L

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⌈	Na	23	49765.207	0.10	0.0019	0.000	17.866	mg/L
|	Mg	24	5942.365	0.02	-0.0024	0.000	6.162	mg/L
|	K	39	601288.573	0.07	-0.0024	0.001	51.512	mg/L
|	Ca	43	610.080	0.00	0.0213	0.002	11.373	mg/L
|	Fe	54	96897.658	0.15	0.0789	0.002	2.048	mg/L
|	Fe	57	9685.658	0.00	0.0065	0.001	14.350	mg/L
⌊>	Sc-1	45	308796.631	308796.63				mg/L
	Cl	35	24044.880	5028.81				mg/L
	Kr	83	46.667	-14.00				mg/L
	Br	81	8629.723	19.35				mg/L
	P	31	22427.794	9031.89				mg/L
	S	34	214979.101	26998.12				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.308			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.236			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.995			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.699			
⌈	Na	23					

Sample ID: PBW 40 WG357046-02
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: LCSW 40 WG357046-03

Sample Date/Time: Tuesday, February 22, 2011 10:58:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 13
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18233.283	0.00				ug/L
|	Be	9	6533.474	0.02	24.6811	1.635	6.625	ug/L
|	Al	27	165781.426	0.53	26.4335	1.489	5.632	ug/L
⌊>	Sc	45	307627.511	307627.51				ug/L
⌈	Ti	49	76.675	0.00	0.0847	0.035	41.188	ug/L
|	V	51	254817.565	0.54	26.4878	0.690	2.603	ug/L
|	Cr	52	229003.439	0.47	27.3621	0.670	2.447	ug/L
|	Cr	53	25501.698	0.05	26.3529	0.668	2.533	ug/L
|	Mn	55	333534.741	0.71	26.8336	0.296	1.103	ug/L
|	Co	59	260173.292	0.55	26.1788	0.296	1.131	ug/L
|	Ni	60	54646.789	0.12	26.3294	0.292	1.109	ug/L
|	Cu	65	57295.582	0.12	26.7106	0.449	1.680	ug/L
|	Zn	66	34624.861	0.07	26.9763	0.530	1.966	ug/L
| >	Ge	72	470921.417	470921.42				ug/L
|	As	75	24813.500	0.05	24.0237	0.597	2.486	ug/L
|	Se	77	1709.480	0.00	22.0434	1.168	5.300	ug/L
|	Se	82	2146.794	0.00	22.5479	0.905	4.014	ug/L
⌊	Rb	85	52.334	0.00				mg/L
	Y	89	312751.922	-35030.26				ug/L
	Rh	103	21.000	10.67				ug/L
⌈	Mo	98	73.982	0.00	0.0389	0.001	1.324	ug/L
|	Ag	107	111981.009	0.30	24.0928	1.005	4.170	ug/L
|	Cd	114	26632.190	0.07	24.2260	0.970	4.004	ug/L
| >	In	115	375279.327	375279.33				ug/L
|	Sn	118	208.936	0.00	0.0360	0.001	3.382	ug/L
⌊	Sb	123	93700.855	0.25	24.5696	0.911	3.707	ug/L
⌈	Ba	135	41304.208	0.08	25.0326	0.634	2.533	ug/L
|	Ce	140	76.675	0.00				ug/L
⌊>	Tb	159	488960.691	488960.69				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	173425.099	0.36	25.7674	0.354	1.374	ug/L
|	Tl	205	423548.619	0.88	25.4438	1.219	4.790	ug/L
|	Pb	206	146969.399	0.31	26.7587	0.684	2.557	ug/L
|	Pb	207	129460.328	0.27	25.0525	0.723	2.885	ug/L
|	Pb	208	597082.381	1.24	26.0169	0.527	2.025	ug/L
|	U	238	883978.987	1.85	26.2058	0.948	3.619	ug/L
⌊>	Bi	209	479077.320	479077.32				ug/L

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⌈	Na	23	50398.452	0.10	0.0020	0.000	17.918	mg/L
|	Mg	24	10673.429	0.03	-0.0011	0.000	10.601	mg/L
|	K	39	593350.671	0.05	-0.0030	0.001	38.394	mg/L
|	Ca	43	390.047	0.00	0.0100	0.004	38.972	mg/L
|	Fe	54	95042.365	0.15	0.0765	0.003	4.105	mg/L
|	Fe	57	8030.706	-0.00	0.0003	0.002	755.512	mg/L
⌊>	Sc-1	45	307627.511	307627.51				mg/L
	Cl	35	25076.069	6060.00				mg/L
	Kr	83	54.001	-6.67				mg/L
	Br	81	8236.725	-373.65				mg/L
	P	31	21553.346	8157.44				mg/L
	S	34	204613.171	16632.19				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		90.124			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.606			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.227			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.532			
⌈	Na	23					

Sample ID: LCSW 40 WG357046-03
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 40 WG357046-03
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Method 6020 - Summary Report

Sample ID: L1102048602

Sample Date/Time: Tuesday, February 22, 2011 11:05:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 14
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20504.629	0.01				ug/L
|	Be	9	14.667	0.00	-0.0001	0.041	27675.172	ug/L
|	Al	27	494082.104	1.59	79.4857	14.027	17.647	ug/L
⌊>	Sc	45	308419.066	308419.07				ug/L
⌈	Ti	49	656.754	0.00	1.0251	0.114	11.096	ug/L
|	V	51	4055.159	0.00	0.1803	0.040	22.087	ug/L
|	Cr	52	23076.855	0.03	1.8782	0.125	6.666	ug/L
|	Cr	53	1483.592	0.00	1.3968	0.065	4.670	ug/L
|	Mn	55	315855.639	0.67	25.3878	0.241	0.951	ug/L
|	Co	59	10091.193	0.02	1.0059	0.012	1.185	ug/L
|	Ni	60	2706.060	0.01	1.2971	0.013	1.019	ug/L
|	Cu	65	703.365	0.00	0.2591	0.010	3.721	ug/L
|	Zn	66	4603.105	0.01	3.0759	0.053	1.722	ug/L
|>	Ge	72	471289.623	471289.62				ug/L
|	As	75	-95.692	0.00	0.0603	0.035	58.002	ug/L
|	Se	77	78.667	0.00	0.0672	0.205	305.101	ug/L
|	Se	82	12.241	0.00	0.1443	0.087	60.620	ug/L
⌊	Rb	85	4107.218	0.01				mg/L
	Y	89	314122.559	-33659.62				ug/L
	Rh	103	8.333	-2.00				ug/L
⌈	Mo	98	336.991	0.00	0.1444	0.002	1.220	ug/L
|	Ag	107	68.668	0.00	0.0117	0.001	8.967	ug/L
|	Cd	114	4.590	-0.00	-0.0026	0.006	226.458	ug/L
|>	In	115	378696.157	378696.16				ug/L
|	Sn	118	454.544	0.00	0.0967	0.004	4.649	ug/L
⌊	Sb	123	117.659	0.00	0.0257	0.005	21.257	ug/L
⌈	Ba	135	16281.761	0.03	9.5805	0.152	1.590	ug/L
|	Ce	140	22510.900	0.04				ug/L
⌊>	Tb	159	503826.509	503826.51				ug/L
⌈	Ho	165	336.706	0.00				ug/L
|	Tl	203	104.002	0.00	0.0126	0.005	36.530	ug/L
|	Tl	205	246.695	0.00	0.0231	0.005	23.753	ug/L
|	Pb	206	1146.411	0.00	0.1324	0.010	7.930	ug/L
|	Pb	207	960.723	0.00	0.1258	0.008	6.351	ug/L
|	Pb	208	4599.803	0.01	0.1303	0.005	3.616	ug/L
|	U	238	923.053	0.00	0.0249	0.006	22.237	ug/L
⌊>	Bi	209	498116.296	498116.30				ug/L

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⌈	Na	23	4922854.433	15.89	0.8414	0.027	3.158	mg/L
|	Mg	24	595532.483	1.93	0.1583	0.006	4.083	mg/L
|	K	39	2671806.959	6.79	0.2389	0.010	4.349	mg/L
|	Ca	43	3204.167	0.01	0.1560	0.008	4.829	mg/L
|	Fe	54	154773.673	0.34	0.1702	0.015	8.712	mg/L
|	Fe	57	30034.837	0.07	0.0849	0.007	8.168	mg/L
⌊>	Sc-1	45	308419.066	308419.07				mg/L
	Cl	35	43942.341	24926.27				mg/L
	Kr	83	49.001	-11.67				mg/L
	Br	81	9986.325	1375.95				mg/L
	P	31	26364.299	12968.40				mg/L
	S	34	197238.675	9257.70				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		90.194			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.477			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.183			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.369			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048607 WG357046-01

Sample Date/Time: Tuesday, February 22, 2011 11:12:26
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 15
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24346.312	0.02				ug/L
|	Be	9	9.333	0.00	-0.0219	0.011	49.478	ug/L
|	Al	27	756507.679	2.31	115.3216	4.192	3.635	ug/L
⌊>	Sc	45	326774.851	326774.85				ug/L
⌈	Ti	49	643.419	0.00	0.9688	0.119	12.234	ug/L
|	V	51	3477.381	0.00	0.1070	0.013	11.826	ug/L
|	Cr	52	18905.044	0.02	1.2828	0.009	0.680	ug/L
|	Cr	53	1466.922	0.00	1.3266	0.145	10.933	ug/L
|	Mn	55	110079.721	0.23	8.5208	0.040	0.472	ug/L
|	Co	59	1319.100	0.00	0.1193	0.002	1.709	ug/L
|	Ni	60	2243.941	0.00	1.0378	0.015	1.420	ug/L
|	Cu	65	641.027	0.00	0.2200	0.007	3.066	ug/L
|	Zn	66	4385.339	0.01	2.7842	0.042	1.493	ug/L
|>	Ge	72	487774.672	487774.67				ug/L
|	As	75	-124.012	0.00	0.0374	0.049	131.074	ug/L
|	Se	77	56.000	-0.00	-0.2648	0.140	52.842	ug/L
|	Se	82	13.249	0.00	0.1513	0.104	69.038	ug/L
⌊	Rb	85	6812.722	0.01				mg/L
	Y	89	317366.061	-30416.12				ug/L
	Rh	103	10.333	-0.00				ug/L
⌈	Mo	98	261.207	0.00	0.1091	0.007	6.120	ug/L
|	Ag	107	33.667	-0.00	0.0040	0.002	41.762	ug/L
|	Cd	114	7.974	0.00	0.0001	0.005	3184.999	ug/L
|>	In	115	397194.074	397194.07				ug/L
|	Sn	118	188.002	0.00	0.0281	0.002	7.930	ug/L
⌊	Sb	123	98.659	0.00	0.0195	0.002	8.373	ug/L
⌈	Ba	135	12671.485	0.02	7.0490	0.148	2.095	ug/L
|	Ce	140	12175.294	0.02				ug/L
⌊>	Tb	159	533295.931	533295.93				ug/L
⌈	Ho	165	76.675	0.00				ug/L
|	Tl	203	62.667	0.00	0.0063	0.001	16.746	ug/L
|	Tl	205	126.680	0.00	0.0159	0.001	4.182	ug/L
|	Pb	206	1145.744	0.00	0.1205	0.007	5.945	ug/L
|	Pb	207	953.055	0.00	0.1139	0.004	3.571	ug/L
|	Pb	208	4569.129	0.01	0.1179	0.001	1.162	ug/L
|	U	238	704.365	0.00	0.0174	0.001	8.375	ug/L
⌊>	Bi	209	529331.746	529331.75				ug/L

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⌈	Na	23	4640248.254	14.14	0.7482	0.015	1.986	mg/L
|	Mg	24	1072602.559	3.28	0.2723	0.005	1.930	mg/L
|	K	39	2609470.481	6.11	0.2147	0.010	4.795	mg/L
|	Ca	43	6979.810	0.02	0.3321	0.035	10.597	mg/L
|	Fe	54	227857.347	0.54	0.2660	0.027	10.087	mg/L
|	Fe	57	60787.010	0.16	0.1904	0.012	6.379	mg/L
⌊>	Sc-1	45	326774.851	326774.85				mg/L
	Cl	35	145702.198	126686.13				mg/L
	Kr	83	48.001	-12.67				mg/L
	Br	81	11985.846	3375.47				mg/L
	P	31	25734.396	12338.49				mg/L
	S	34	188883.544	902.57				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.349			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		101.189			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		106.043			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		106.658			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102048607 WG357046-01
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Method 6020 - Summary Report

Sample ID: L1102048608S WG357046-04

Sample Date/Time: Tuesday, February 22, 2011 11:19:12
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 16
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23160.179	0.01				ug/L
|	Be	9	7634.258	0.02	27.1412	2.476	9.121	ug/L
|	Al	27	1896810.819	5.79	289.4766	17.515	6.050	ug/L
⌊>	Sc	45	327271.179	327271.18				ug/L
⌈	Ti	49	2033.753	0.00	3.1626	0.870	27.517	ug/L
|	V	51	274545.898	0.56	27.6295	1.310	4.742	ug/L
|	Cr	52	251043.338	0.50	29.0860	1.043	3.587	ug/L
|	Cr	53	28001.960	0.06	28.0121	0.877	3.130	ug/L
|	Mn	55	527950.391	1.08	41.1270	1.099	2.671	ug/L
|	Co	59	287955.997	0.59	28.0422	1.097	3.911	ug/L
|	Ni	60	63380.294	0.13	29.5552	1.118	3.783	ug/L
|	Cu	65	64654.059	0.13	29.1755	0.981	3.362	ug/L
|	Zn	66	39126.139	0.08	29.5544	0.883	2.988	ug/L
|>	Ge	72	486667.695	486667.69				ug/L
|	As	75	25718.360	0.05	24.0932	0.504	2.091	ug/L
|	Se	77	1835.502	0.00	22.9452	0.136	0.594	ug/L
|	Se	82	2177.519	0.00	22.1258	0.371	1.677	ug/L
⌊	Rb	85	10122.226	0.02				mg/L
	Y	89	315576.813	-32205.37				ug/L
	Rh	103	20.334	10.00				ug/L
⌈	Mo	98	414.218	0.00	0.1687	0.008	4.666	ug/L
|	Ag	107	118614.471	0.30	24.2339	1.220	5.036	ug/L
|	Cd	114	28814.011	0.07	24.8805	1.291	5.188	ug/L
|>	In	115	394992.567	394992.57				ug/L
|	Sn	118	333.072	0.00	0.0630	0.003	4.129	ug/L
⌊	Sb	123	92047.078	0.23	22.9180	0.351	1.531	ug/L
⌈	Ba	135	59613.958	0.11	33.4009	0.325	0.974	ug/L
|	Ce	140	23312.815	0.04				ug/L
⌊>	Tb	159	528531.160	528531.16				ug/L
⌈	Ho	165	146.682	0.00				ug/L
|	Tl	203	195841.321	0.37	26.4472	0.538	2.036	ug/L
|	Tl	205	479514.008	0.91	26.1854	0.306	1.170	ug/L
|	Pb	206	168275.368	0.32	27.8516	0.468	1.679	ug/L
|	Pb	207	145167.761	0.27	25.5383	0.691	2.704	ug/L
|	Pb	208	678188.917	1.28	26.8622	0.533	1.984	ug/L
|	U	238	999067.145	1.90	26.9145	1.211	4.500	ug/L
⌊>	Bi	209	527024.292	527024.29				ug/L

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⌈	Na	23	4798361.113	14.60	0.7728	0.035	4.505	mg/L
|	Mg	24	1349721.063	4.13	0.3433	0.018	5.216	mg/L
|	K	39	3485808.222	8.78	0.3104	0.015	4.714	mg/L
|	Ca	43	11230.762	0.03	0.5389	0.016	2.976	mg/L
|	Fe	54	386053.280	1.02	0.5004	0.037	7.423	mg/L
|	Fe	57	123116.470	0.35	0.4161	0.025	6.120	mg/L
⌊>	Sc-1	45	327271.179	327271.18				mg/L
	Cl	35	45072.013	26055.94				mg/L
	Kr	83	48.001	-12.67				mg/L
	Br	81	9886.219	1275.84				mg/L
	P	31	29700.181	16304.28				mg/L
	S	34	210469.404	22488.43				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.137			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.629			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		105.096			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		106.193			
⌈	Na	23					

Sample ID: L1102048608S WG357046-04
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102048608S WG357046-04
Report Date/Time: Tuesday, February 22, 2011 11:21:23
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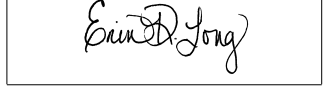

Method 6020 - Summary Report

Sample ID: L1102048609SD WG357046-05

Sample Date/Time: Tuesday, February 22, 2011 11:25:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 17
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23126.995	0.01				ug/L
|	Be	9	7748.339	0.02	28.0700	1.465	5.218	ug/L
|	Al	27	1195313.800	3.72	185.7253	23.866	12.850	ug/L
⌊>	Sc	45	320918.131	320918.13				ug/L
⌈	Ti	49	943.473	0.00	1.4729	0.200	13.578	ug/L
|	V	51	261950.842	0.54	26.9054	0.914	3.396	ug/L
|	Cr	52	239882.769	0.49	28.3499	0.857	3.024	ug/L
|	Cr	53	27724.488	0.06	28.3107	0.454	1.603	ug/L
|	Mn	55	490415.936	1.03	38.9965	0.599	1.536	ug/L
|	Co	59	273969.076	0.57	27.2316	0.222	0.817	ug/L
|	Ni	60	60084.258	0.13	28.6002	0.643	2.248	ug/L
|	Cu	65	60735.501	0.13	27.9718	0.313	1.119	ug/L
|	Zn	66	37175.348	0.08	28.6459	0.321	1.120	ug/L
| >	Ge	72	476720.661	476720.66				ug/L
|	As	75	25159.346	0.05	24.0610	0.464	1.927	ug/L
|	Se	77	1754.154	0.00	22.3547	1.063	4.756	ug/L
|	Se	82	2186.772	0.00	22.6856	0.193	0.849	ug/L
⌊	Rb	85	7592.958	0.02				mg/L
	Y	89	307631.440	-40150.74				ug/L
	Rh	103	16.667	6.33				ug/L
⌈	Mo	98	337.543	0.00	0.1427	0.005	3.320	ug/L
|	Ag	107	114419.495	0.30	24.0494	0.847	3.522	ug/L
|	Cd	114	28827.359	0.08	25.6314	1.205	4.699	ug/L
| >	In	115	384004.185	384004.19				ug/L
|	Sn	118	199.069	0.00	0.0323	0.001	3.887	ug/L
⌊	Sb	123	90586.946	0.24	23.2060	0.608	2.622	ug/L
⌈	Ba	135	56325.438	0.11	32.2533	1.344	4.166	ug/L
|	Ce	140	18712.703	0.04				ug/L
⌊>	Tb	159	517633.567	517633.57				ug/L
⌈	Ho	165	103.344	0.00				ug/L
|	Tl	203	188509.486	0.37	26.5854	1.077	4.053	ug/L
|	Tl	205	471088.378	0.93	26.8568	1.301	4.843	ug/L
|	Pb	206	159962.512	0.32	27.6459	1.096	3.965	ug/L
|	Pb	207	140663.323	0.28	25.8395	1.217	4.710	ug/L
|	Pb	208	651903.957	1.29	26.9604	0.867	3.217	ug/L
|	U	238	964439.362	1.91	27.1242	0.196	0.723	ug/L
⌊>	Bi	209	505012.332	505012.33				ug/L

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⌈	Na	23	4513076.649	14.00	0.7407	0.017	2.338	mg/L
|	Mg	24	1074821.481	3.35	0.2778	0.003	1.151	mg/L
|	K	39	2767219.936	6.74	0.2373	0.005	2.135	mg/L
|	Ca	43	7136.597	0.02	0.3456	0.020	5.658	mg/L
|	Fe	54	284190.938	0.72	0.3569	0.007	1.927	mg/L
|	Fe	57	82292.101	0.23	0.2737	0.003	0.938	mg/L
⌊>	Sc-1	45	320918.131	320918.13				mg/L
	Cl	35	37302.805	18286.74				mg/L
	Kr	83	57.667	-3.00				mg/L
	Br	81	11587.377	2977.00				mg/L
	P	31	23487.990	10092.09				mg/L
	S	34	191739.168	3758.19				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.234			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.829			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.929			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.758			
⌈	Na	23					

Sample ID: L1102048609SD WG357046-05
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102048609SD WG357046-05
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Method 6020 - Summary Report

Sample ID: L1102048614

Sample Date/Time: Tuesday, February 22, 2011 11:32:44
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 18
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24329.663	0.02				ug/L
|	Be	9	23.333	0.00	0.0289	0.017	58.076	ug/L
|	Al	27	1935932.426	5.99	299.5099	17.768	5.932	ug/L
⌊>	Sc	45	323303.776	323303.78				ug/L
⌈	Ti	49	1480.258	0.00	2.3032	0.191	8.277	ug/L
|	V	51	8034.674	0.01	0.5756	0.018	3.175	ug/L
|	Cr	52	41182.706	0.07	3.9871	0.047	1.188	ug/L
|	Cr	53	3937.836	0.01	3.8404	0.092	2.405	ug/L
|	Mn	55	546774.420	1.13	42.8629	0.115	0.267	ug/L
|	Co	59	7309.744	0.01	0.7076	0.012	1.647	ug/L
|	Ni	60	6249.348	0.01	2.9270	0.059	2.023	ug/L
|	Cu	65	2310.290	0.00	0.9823	0.025	2.496	ug/L
|	Zn	66	28809.732	0.06	21.7467	0.224	1.030	ug/L
| >	Ge	72	483547.469	483547.47				ug/L
|	As	75	60.313	0.00	0.2088	0.036	17.118	ug/L
|	Se	77	88.667	0.00	0.1705	0.159	93.449	ug/L
|	Se	82	20.916	0.00	0.2303	0.160	69.516	ug/L
⌊	Rb	85	5188.398	0.01				mg/L
	Y	89	323911.187	-23871.00				ug/L
	Rh	103	9.000	-1.33				ug/L
⌈	Mo	98	867.215	0.00	0.3479	0.008	2.362	ug/L
|	Ag	107	66.001	0.00	0.0108	0.002	21.957	ug/L
|	Cd	114	8.046	0.00	0.0002	0.006	2690.094	ug/L
| >	In	115	389397.720	389397.72				ug/L
|	Sn	118	254.803	0.00	0.0451	0.002	5.215	ug/L
⌊	Sb	123	406.255	0.00	0.0976	0.009	8.889	ug/L
⌈	Ba	135	12083.086	0.02	6.8190	0.198	2.908	ug/L
|	Ce	140	109534.309	0.21				ug/L
⌊>	Tb	159	525851.420	525851.42				ug/L
⌈	Ho	165	716.764	0.00				ug/L
|	Tl	203	45.001	0.00	0.0040	0.001	24.769	ug/L
|	Tl	205	116.679	0.00	0.0155	0.001	4.982	ug/L
|	Pb	206	5397.177	0.01	0.8447	0.037	4.358	ug/L
|	Pb	207	4668.136	0.01	0.7857	0.007	0.863	ug/L
|	Pb	208	21819.335	0.04	0.8206	0.017	2.074	ug/L
|	U	238	912.718	0.00	0.0235	0.001	6.173	ug/L
⌊>	Bi	209	516918.328	516918.33				ug/L

Sample ID: L1102048614
Report Date/Time: Tuesday, February 22, 2011 11:34:56
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⌈	Na	23	3594964.849	11.09	0.5860	0.048	8.250	mg/L
|	Mg	24	1434624.522	4.45	0.3704	0.030	8.081	mg/L
|	K	39	2092237.410	4.60	0.1604	0.010	5.995	mg/L
|	Ca	43	6119.150	0.02	0.2931	0.015	4.984	mg/L
|	Fe	54	957852.376	2.81	1.3722	0.144	10.497	mg/L
|	Fe	57	357144.247	1.08	1.2836	0.078	6.078	mg/L
⌊>	Sc-1	45	323303.776	323303.78				mg/L
	Cl	35	39355.295	20339.23				mg/L
	Kr	83	48.001	-12.67				mg/L
	Br	81	10757.117	2146.74				mg/L
	P	31	30432.237	17036.33				mg/L
	S	34	190831.699	2850.72				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.540			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.203			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.563			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		104.157			
⌈	Na	23					

Sample ID: L1102048614
Report Date/Time: Tuesday, February 22, 2011 11:34:56
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048617

Sample Date/Time: Tuesday, February 22, 2011 11:39:30
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 19
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23009.822	0.02				ug/L
|	Be	9	12.000	0.00	-0.0096	0.029	306.070	ug/L
|	Al	27	274532.243	0.87	43.5233	8.460	19.438	ug/L
⌊>	Sc	45	313494.882	313494.88				ug/L
⌈	Ti	49	250.028	0.00	0.3598	0.038	10.559	ug/L
|	V	51	3051.763	0.00	0.0701	0.005	6.818	ug/L
|	Cr	52	19121.798	0.02	1.3546	0.077	5.655	ug/L
|	Cr	53	1496.930	0.00	1.3855	0.186	13.447	ug/L
|	Mn	55	36451.022	0.08	2.8499	0.028	0.988	ug/L
|	Co	59	1010.061	0.00	0.0913	0.008	8.323	ug/L
|	Ni	60	1843.522	0.00	0.8690	0.039	4.464	ug/L
|	Cu	65	439.347	0.00	0.1329	0.004	2.715	ug/L
|	Zn	66	4401.012	0.01	2.8638	0.033	1.138	ug/L
|>	Ge	72	478252.830	478252.83				ug/L
|	As	75	-149.980	0.00	0.0104	0.019	180.644	ug/L
|	Se	77	79.334	0.00	0.0584	0.065	111.473	ug/L
|	Se	82	3.255	0.00	0.0505	0.033	64.412	ug/L
⌊	Rb	85	1568.139	0.00				mg/L
	Y	89	302342.311	-45439.87				ug/L
	Rh	103	6.000	-4.33				ug/L
⌈	Mo	98	201.241	0.00	0.0889	0.003	3.860	ug/L
|	Ag	107	73.001	0.00	0.0125	0.004	34.623	ug/L
|	Cd	114	0.265	-0.00	-0.0065	0.007	109.651	ug/L
|>	In	115	382982.188	382982.19				ug/L
|	Sn	118	215.202	0.00	0.0364	0.003	8.931	ug/L
⌊	Sb	123	133.995	0.00	0.0295	0.001	3.756	ug/L
⌈	Ba	135	3933.146	0.01	2.2764	0.030	1.302	ug/L
|	Ce	140	5135.165	0.01				ug/L
⌊>	Tb	159	514512.768	514512.77				ug/L
⌈	Ho	165	316.703	0.00				ug/L
|	Tl	203	35.000	0.00	0.0028	0.000	16.340	ug/L
|	Tl	205	110.012	0.00	0.0152	0.002	12.975	ug/L
|	Pb	206	652.695	0.00	0.0441	0.002	4.739	ug/L
|	Pb	207	581.023	0.00	0.0534	0.005	9.302	ug/L
|	Pb	208	2674.169	0.00	0.0479	0.004	7.339	ug/L
|	U	238	547.354	0.00	0.0138	0.001	9.872	ug/L
⌊>	Bi	209	505813.578	505813.58				ug/L

Sample ID: L1102048617
Report Date/Time: Tuesday, February 22, 2011 11:41:42
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⌈	Na	23	4287348.811	13.63	0.7209	0.028	3.892	mg/L
|	Mg	24	1410704.958	4.50	0.3749	0.012	3.229	mg/L
|	K	39	1415907.420	2.64	0.0901	0.007	7.934	mg/L
|	Ca	43	7263.369	0.02	0.3613	0.033	9.011	mg/L
|	Fe	54	123423.352	0.23	0.1180	0.011	9.687	mg/L
|	Fe	57	17874.434	0.03	0.0371	0.005	12.797	mg/L
⌊>	Sc-1	45	313494.882	313494.88				mg/L
	Cl	35	200373.638	181357.57				mg/L
	Kr	83	47.334	-13.33				mg/L
	Br	81	10570.253	1959.88				mg/L
	P	31	26759.409	13363.51				mg/L
	S	34	186321.176	-1659.80				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.527			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.569			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.308			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.920			
⌈	Na	23					

Sample ID: L1102048617
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Approved: February 23, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102048617
Report Date/Time: Tuesday, February 22, 2011 11:41:42
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048617PS WG357188-01

Sample Date/Time: Tuesday, February 22, 2011 11:46:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 20
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26552.337	0.02				ug/L
|	Be	9	16292.616	0.05	57.3134	1.951	3.405	ug/L
|	Al	27	621690.420	1.87	93.5782	6.387	6.825	ug/L
|>	Sc	45	330785.820	330785.82				ug/L
⌈	Ti	49	296.701	0.00	0.4245	0.093	22.012	ug/L
|	V	51	537027.499	1.09	53.9705	0.733	1.357	ug/L
|	Cr	52	472774.660	0.95	55.3215	0.991	1.791	ug/L
|	Cr	53	54570.606	0.11	54.4181	0.265	0.486	ug/L
|	Mn	55	739855.161	1.51	57.3277	0.331	0.577	ug/L
|	Co	59	572268.856	1.17	55.4145	1.444	2.606	ug/L
|	Ni	60	120970.847	0.25	56.0908	1.113	1.985	ug/L
|	Cu	65	125177.283	0.26	56.2312	0.708	1.260	ug/L
|	Zn	66	67344.685	0.14	51.0043	0.787	1.544	ug/L
|>	Ge	72	489343.155	489343.16				ug/L
|	As	75	51812.649	0.11	48.1146	0.095	0.198	ug/L
|	Se	77	3588.644	0.01	45.5599	0.653	1.432	ug/L
|	Se	82	4386.613	0.01	44.3098	0.869	1.961	ug/L
⌊	Rb	85	1607.479	0.00				mg/L
	Y	89	311381.114	-36401.07				ug/L
	Rh	103	24.334	14.00				ug/L
⌈	Mo	98	208.840	0.00	0.0888	0.002	2.154	ug/L
|	Ag	107	245730.731	0.62	49.7856	0.744	1.494	ug/L
|	Cd	114	57110.587	0.14	48.9442	0.150	0.307	ug/L
|>	In	115	398209.489	398209.49				ug/L
|	Sn	118	387.741	0.00	0.0753	0.002	2.590	ug/L
⌊	Sb	123	203730.128	0.51	50.3266	1.147	2.279	ug/L
⌈	Ba	135	91507.353	0.17	51.3945	0.488	0.950	ug/L
|	Ce	140	5011.757	0.01				ug/L
|>	Tb	159	527329.460	527329.46				ug/L
⌈	Ho	165	200.022	0.00				ug/L
|	Tl	203	387973.186	0.75	53.4192	1.508	2.823	ug/L
|	Tl	205	925383.791	1.79	51.5154	0.452	0.877	ug/L
|	Pb	206	321386.491	0.62	54.3095	0.734	1.352	ug/L
|	Pb	207	290989.380	0.56	52.2525	0.738	1.412	ug/L
|	Pb	208	1329957.659	2.57	53.7806	0.764	1.421	ug/L
|	U	238	1967299.794	3.81	54.0807	1.968	3.639	ug/L
|>	Bi	209	516972.808	516972.81				ug/L

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⌈	Na	23	4319276.802	12.99	0.6873	0.010	1.403	mg/L
|	Mg	24	1436790.769	4.35	0.3617	0.015	4.020	mg/L
|	K	39	1481648.312	2.60	0.0886	0.004	4.709	mg/L
|	Ca	43	7400.150	0.02	0.3484	0.034	9.745	mg/L
|	Fe	54	124553.971	0.22	0.1096	0.011	10.311	mg/L
|	Fe	57	19146.904	0.03	0.0380	0.002	6.064	mg/L
⌊>	Sc-1	45	330785.820	330785.82				mg/L
	Cl	35	203940.748	184924.68				mg/L
	Kr	83	47.667	-13.00				mg/L
	Br	81	11016.734	2406.36				mg/L
	P	31	25899.559	12503.66				mg/L
	S	34	209923.545	21942.57				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.649			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		101.448			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.857			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		104.168			
⌈	Na	23					

Sample ID: L1102048617PS WG357188-01
Report Date/Time: Tuesday, February 22, 2011 11:48:30
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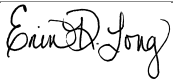
Approved: February 23, 2011



Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102048617PS WG357188-01
Report Date/Time: Tuesday, February 22, 2011 11:48:30

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048617SDL WG357188-02

Sample Date/Time: Tuesday, February 22, 2011 11:53:05
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 21
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21489.953	0.01				ug/L
|	Be	9	11.333	0.00	-0.0117	0.020	169.008	ug/L
|	Al	27	50762.570	0.16	7.7987	1.034	13.257	ug/L
⌊>	Sc	45	305946.414	305946.41				ug/L
⌈	Ti	49	100.011	0.00	0.1183	0.043	36.488	ug/L
|	V	51	2469.254	0.00	0.0070	0.015	216.140	ug/L
|	Cr	52	10130.897	0.00	0.2444	0.025	10.419	ug/L
|	Cr	53	530.067	0.00	0.3916	0.016	4.116	ug/L
|	Mn	55	8291.853	0.02	0.6081	0.019	3.160	ug/L
|	Co	59	270.673	0.00	0.0177	0.003	17.417	ug/L
|	Ni	60	451.015	0.00	0.2055	0.010	4.652	ug/L
|	Cu	65	229.005	0.00	0.0348	0.009	26.136	ug/L
|	Zn	66	3386.941	0.01	2.0385	0.112	5.481	ug/L
|>	Ge	72	484053.840	484053.84				ug/L
|	As	75	-143.939	0.00	0.0177	0.016	88.588	ug/L
|	Se	77	73.334	0.00	-0.0303	0.138	455.889	ug/L
|	Se	82	-4.113	0.00	-0.0256	0.114	443.394	ug/L
⌊	Rb	85	354.343	0.00				mg/L
	Y	89	303858.026	-43924.16				ug/L
	Rh	103	10.333	-0.00				ug/L
⌈	Mo	98	63.649	0.00	0.0349	0.007	18.739	ug/L
|	Ag	107	32.667	-0.00	0.0041	0.001	34.162	ug/L
|	Cd	114	6.089	0.00	-0.0012	0.003	272.450	ug/L
|>	In	115	374334.528	374334.53				ug/L
|	Sn	118	189.335	0.00	0.0311	0.003	8.504	ug/L
⌊	Sb	123	69.406	0.00	0.0133	0.001	5.809	ug/L
⌈	Ba	135	826.042	0.00	0.4969	0.015	2.943	ug/L
|	Ce	140	996.816	0.00				ug/L
⌊>	Tb	159	505783.392	505783.39				ug/L
⌈	Ho	165	46.671	0.00				ug/L
|	Tl	203	43.667	0.00	0.0042	0.001	19.767	ug/L
|	Tl	205	120.013	0.00	0.0161	0.001	3.379	ug/L
|	Pb	206	449.348	0.00	0.0117	0.002	15.236	ug/L
|	Pb	207	396.012	0.00	0.0220	0.008	37.891	ug/L
|	Pb	208	1831.085	0.00	0.0157	0.005	29.036	ug/L
|	U	238	178.670	0.00	0.0036	0.000	1.973	ug/L
⌊>	Bi	209	488824.529	488824.53				ug/L

Sample ID: L1102048617SDL WG357188-02
Report Date/Time: Tuesday, February 22, 2011 11:55:17
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⌈	Na	23	872975.054	2.79	0.1451	0.006	4.065	mg/L
|	Mg	24	279771.363	0.91	0.0730	0.004	5.368	mg/L
|	K	39	762558.083	0.61	0.0173	0.004	21.341	mg/L
|	Ca	43	1600.288	0.00	0.0734	0.005	7.117	mg/L
|	Fe	54	60293.068	0.04	0.0222	0.004	19.818	mg/L
|	Fe	57	9088.373	0.00	0.0046	0.002	50.783	mg/L
⌊>	Sc-1	45	305946.414	305946.41				mg/L
	Cl	35	56699.663	37683.59				mg/L
	Kr	83	51.334	-9.33				mg/L
	Br	81	8303.448	-306.93				mg/L
	P	31	15227.151	1831.25				mg/L
	S	34	206837.233	18856.26				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.637			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.366			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.572			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.496			
⌈	Na	23					

Sample ID: L1102048617SDL WG357188-02
Report Date/Time: Tuesday, February 22, 2011 11:55:17
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Approved: February 23, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102048617SDL WG357188-02
Report Date/Time: Tuesday, February 22, 2011 11:55:17
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 11:59:52
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20020.075	0.01				ug/L
|	Be	9	14000.464	0.05	53.0704	1.463	2.756	ug/L
|	Al	27	310073.945	1.00	49.9730	2.216	4.434	ug/L
⌊>	Sc	45	306991.076	306991.08				ug/L
⌈	Ti	49	63161.872	0.13	97.1516	1.623	1.670	ug/L
|	V	51	494418.790	0.99	48.8625	0.293	0.599	ug/L
|	Cr	52	424295.260	0.84	48.7385	0.524	1.075	ug/L
|	Cr	53	48944.376	0.10	48.0084	0.440	0.917	ug/L
|	Mn	55	647773.987	1.30	49.3818	0.472	0.956	ug/L
|	Co	59	516778.474	1.04	49.2445	0.778	1.579	ug/L
|	Ni	60	107626.822	0.22	49.1115	0.730	1.487	ug/L
|	Cu	65	113234.660	0.23	50.0507	1.074	2.146	ug/L
|	Zn	66	67442.684	0.13	50.2542	1.086	2.162	ug/L
⌊>	Ge	72	497319.957	497319.96				ug/L
|	As	75	52195.521	0.11	47.6974	0.621	1.302	ug/L
|	Se	77	3914.767	0.01	48.9680	1.638	3.346	ug/L
|	Se	82	4894.796	0.01	48.6493	0.821	1.688	ug/L
⌊	Rb	85	2048.231	0.00				mg/L
	Y	89	320713.349	-27068.83				ug/L
	Rh	103	19.334	9.00				ug/L
⌈	Mo	98	243995.485	0.64	97.3721	0.917	0.941	ug/L
|	Ag	107	233210.383	0.61	49.3173	0.385	0.780	ug/L
|	Cd	114	54962.452	0.14	49.1626	0.902	1.836	ug/L
⌊>	In	115	381530.596	381530.60				ug/L
|	Sn	118	194610.960	0.51	48.1305	0.365	0.757	ug/L
⌊	Sb	123	188415.202	0.49	48.5682	0.846	1.743	ug/L
⌈	Ba	135	80314.703	0.16	47.3149	0.961	2.032	ug/L
|	Ce	140	46.671	0.00				ug/L
⌊>	Tb	159	502853.248	502853.25				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	334988.534	0.70	49.9895	0.848	1.696	ug/L
|	Tl	205	812970.521	1.70	49.0428	0.854	1.741	ug/L
|	Pb	206	268291.894	0.56	49.1185	1.005	2.047	ug/L
|	Pb	207	253023.076	0.53	49.2290	1.112	2.258	ug/L
|	Pb	208	1134432.394	2.38	49.7046	1.135	2.283	ug/L
|	U	238	1710245.363	3.59	50.9198	0.851	1.671	ug/L
⌊>	Bi	209	477078.965	477078.96				ug/L

Sample ID: QC Std 6
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Na	23	28938271.206	94.19	5.0020	0.150	2.997	mg/L	
Mg	24	18157546.110	59.15	4.9737	0.081	1.619	mg/L	
K	39	42951159.792	138.02	4.9513	0.108	2.174	mg/L	
Ca	43	94605.024	0.31	4.9208	0.104	2.122	mg/L	
Fe	54	3136741.921	10.06	4.8942	0.098	1.997	mg/L	
Fe	57	1305320.086	4.23	5.0168	0.017	0.338	mg/L	
> Sc-1	45	306991.076	306991.08				mg/L	
Cl	35	17914.713	-1101.36				mg/L	
Kr	83	55.001	-5.67				mg/L	
Br	81	8184.684	-425.69				mg/L	
P	31	11004.101	-2391.80				mg/L	
S	34	188936.182	955.20				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	97.725				
Cr	52	97.477				
Cr	53					
Mn	55	98.764				
Co	59	98.489				
Ni	60	98.223				
Cu	65	100.101				
Zn	66	100.508				
> Ge	72		95.176			
As	75	95.395				
Se	77					
Se	82	97.299				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.635				
Cd	114	98.325				
> In	115		97.199			
Sn	118					
Sb	123	97.136				
Ba	135	94.630				
Ce	140					
> Tb	159		99.990			
Ho	165					
Tl	203	99.979				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.409				
U	238	101.840				
> Bi	209		96.130			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 12:02:04

Approved: February 23, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 12:07:07
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20704.809	0.01				ug/L
|	Be	9	4.000	0.00	-0.0398	0.008	19.496	ug/L
|	Al	27	3950.793	0.00	0.1249	0.092	73.457	ug/L
⌊>	Sc	45	306201.345	306201.35				ug/L
⌈	Ti	49	50.005	-0.00	0.0376	0.027	71.445	ug/L
|	V	51	2486.654	-0.00	0.0042	0.011	254.642	ug/L
|	Cr	52	8167.750	0.00	-0.0096	0.012	125.741	ug/L
|	Cr	53	233.359	0.00	0.0878	0.055	62.640	ug/L
|	Mn	55	345.009	0.00	-0.0156	0.001	7.935	ug/L
|	Co	59	68.668	0.00	-0.0023	0.001	36.713	ug/L
|	Ni	60	48.667	0.00	0.0163	0.002	11.432	ug/L
|	Cu	65	99.335	-0.00	-0.0249	0.003	12.960	ug/L
|	Zn	66	436.347	0.00	-0.2536	0.012	4.864	ug/L
|>	Ge	72	492742.342	492742.34				ug/L
|	As	75	-148.305	0.00	0.0160	0.051	317.613	ug/L
|	Se	77	64.667	0.00	-0.1609	0.193	119.954	ug/L
|	Se	82	-2.104	0.00	-0.0043	0.086	1995.684	ug/L
⌊	Rb	85	18.334	-0.00				mg/L
	Y	89	316185.595	-31596.59				ug/L
	Rh	103	9.667	-0.67				ug/L
⌈	Mo	98	96.019	0.00	0.0470	0.003	5.899	ug/L
|	Ag	107	33.000	-0.00	0.0040	0.001	25.149	ug/L
|	Cd	114	3.858	-0.00	-0.0033	0.001	44.019	ug/L
|>	In	115	384283.097	384283.10				ug/L
|	Sn	118	228.003	0.00	0.0394	0.003	6.998	ug/L
⌊	Sb	123	60.579	0.00	0.0106	0.002	20.527	ug/L
⌈	Ba	135	21.334	0.00	0.0260	0.003	11.649	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	498822.044	498822.04				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	30.334	0.00	0.0022	0.001	39.292	ug/L
|	Tl	205	56.673	0.00	0.0123	0.002	13.439	ug/L
|	Pb	206	405.679	0.00	0.0033	0.001	44.007	ug/L
|	Pb	207	345.676	0.00	0.0118	0.003	26.198	ug/L
|	Pb	208	1602.066	0.00	0.0053	0.001	10.039	ug/L
|	U	238	110.335	0.00	0.0016	0.000	26.730	ug/L
⌊>	Bi	209	492668.848	492668.85				ug/L

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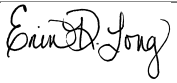
⌈	Na	23	20406.179	0.00	-0.0031	0.000	3.349	mg/L
|	Mg	24	756.772	0.00	-0.0039	0.000	1.137	mg/L
|	K	39	546552.917	-0.09	-0.0082	0.002	20.154	mg/L
|	Ca	43	210.023	-0.00	0.0007	0.003	411.424	mg/L
|	Fe	54	47712.247	-0.01	0.0021	0.001	57.682	mg/L
|	Fe	57	7446.854	-0.00	-0.0018	0.001	79.048	mg/L
⌊>	Sc-1	45	306201.345	306201.35				mg/L
	Cl	35	17408.474	-1607.60				mg/L
	Kr	83	50.334	-10.33				mg/L
	Br	81	7806.381	-804.00				mg/L
	P	31	12735.522	-660.38				mg/L
	S	34	188088.560	107.58				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.300			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.900			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.188			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.271			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 12:09:18

Approved: February 23, 2011



|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 12:09:18

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048620

Sample Date/Time: Tuesday, February 22, 2011 12:13:53
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 22
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23009.902	0.01				ug/L
|	Be	9	16.000	0.00	0.0019	0.008	401.602	ug/L
|	Al	27	2349763.755	7.17	358.3772	11.527	3.216	ug/L
⌊>	Sc	45	327566.062	327566.06				ug/L
⌈	Ti	49	790.110	0.00	1.1966	0.100	8.352	ug/L
|	V	51	5171.926	0.01	0.2777	0.032	11.608	ug/L
|	Cr	52	47766.301	0.08	4.7205	0.114	2.411	ug/L
|	Cr	53	5055.118	0.01	4.9158	0.197	4.015	ug/L
|	Mn	55	358911.852	0.73	27.8270	0.131	0.471	ug/L
|	Co	59	7242.361	0.01	0.6936	0.003	0.396	ug/L
|	Ni	60	8340.227	0.02	3.8674	0.050	1.290	ug/L
|	Cu	65	1946.209	0.00	0.8073	0.005	0.629	ug/L
|	Zn	66	22299.064	0.04	16.5178	0.159	0.960	ug/L
|>	Ge	72	488668.668	488668.67				ug/L
|	As	75	-125.980	0.00	0.0356	0.021	58.534	ug/L
|	Se	77	85.334	0.00	0.1152	0.132	114.694	ug/L
|	Se	82	13.603	0.00	0.1548	0.081	52.080	ug/L
⌊	Rb	85	3083.506	0.01				mg/L
	Y	89	335436.311	-12345.87				ug/L
	Rh	103	9.333	-1.00				ug/L
⌈	Mo	98	1158.759	0.00	0.4572	0.022	4.753	ug/L
|	Ag	107	48.334	0.00	0.0070	0.002	29.041	ug/L
|	Cd	114	4.029	-0.00	-0.0033	0.007	222.971	ug/L
|>	In	115	393642.156	393642.16				ug/L
|	Sn	118	502.013	0.00	0.1038	0.003	3.175	ug/L
⌊	Sb	123	106.535	0.00	0.0217	0.002	8.240	ug/L
⌈	Ba	135	12460.550	0.02	6.9430	0.100	1.434	ug/L
|	Ce	140	80978.279	0.15				ug/L
⌊>	Tb	159	532433.684	532433.68				ug/L
⌈	Ho	165	1063.497	0.00				ug/L
|	Tl	203	40.667	0.00	0.0033	0.002	49.093	ug/L
|	Tl	205	100.011	0.00	0.0144	0.003	18.967	ug/L
|	Pb	206	2604.699	0.00	0.3582	0.006	1.741	ug/L
|	Pb	207	2068.235	0.00	0.3069	0.008	2.544	ug/L
|	Pb	208	10140.816	0.02	0.3351	0.007	2.102	ug/L
|	U	238	2365.970	0.00	0.0615	0.002	3.867	ug/L
⌊>	Bi	209	533416.257	533416.26				ug/L

Sample ID: L1102048620
Report Date/Time: Tuesday, February 22, 2011 12:16:06
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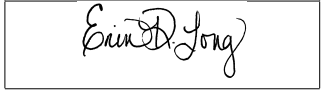

⌈	Na	23	3631356.650	11.03	0.5827	0.015	2.631	mg/L
|	Mg	24	1518196.553	4.64	0.3861	0.015	3.985	mg/L
|	K	39	1550463.228	2.86	0.0978	0.006	5.938	mg/L
|	Ca	43	5395.331	0.02	0.2535	0.018	7.190	mg/L
|	Fe	54	582219.989	1.62	0.7912	0.031	3.876	mg/L
|	Fe	57	205994.968	0.60	0.7169	0.048	6.688	mg/L
⌊>	Sc-1	45	327566.062	327566.06				mg/L
	Cl	35	183604.371	164588.30				mg/L
	Kr	83	45.667	-15.00				mg/L
	Br	81	10215.217	1604.84				mg/L
	P	31	32614.467	19218.56				mg/L
	S	34	217165.572	29184.59				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.520			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.284			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		105.872			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		107.481			
⌈	Na	23					

Sample ID: L1102048620
Report Date/Time: Tuesday, February 22, 2011 12:16:06

Approved: February 23, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048623

Sample Date/Time: Tuesday, February 22, 2011 12:20:40
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 23
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23828.529	0.02				ug/L
|	Be	9	20.000	0.00	0.0192	0.034	178.965	ug/L
|	Al	27	2231071.075	7.06	353.0744	26.653	7.549	ug/L
⌊>	Sc	45	315829.021	315829.02				ug/L
⌈	Ti	49	996.816	0.00	1.5599	0.156	10.021	ug/L
|	V	51	4495.234	0.00	0.2203	0.036	16.330	ug/L
|	Cr	52	34480.357	0.06	3.2368	0.042	1.293	ug/L
|	Cr	53	3220.843	0.01	3.1596	0.293	9.272	ug/L
|	Mn	55	290308.371	0.61	23.0530	0.120	0.518	ug/L
|	Co	59	4954.610	0.01	0.4835	0.007	1.529	ug/L
|	Ni	60	5562.269	0.01	2.6405	0.051	1.929	ug/L
|	Cu	65	1547.802	0.00	0.6449	0.004	0.610	ug/L
|	Zn	66	7244.362	0.01	5.1078	0.078	1.525	ug/L
|>	Ge	72	476956.675	476956.68				ug/L
|	As	75	-180.006	-0.00	-0.0187	0.052	276.556	ug/L
|	Se	77	68.000	0.00	-0.0903	0.415	459.061	ug/L
|	Se	82	0.539	0.00	0.0222	0.041	185.608	ug/L
⌊	Rb	85	2769.078	0.01				mg/L
	Y	89	314489.840	-33292.34				ug/L
	Rh	103	8.333	-2.00				ug/L
⌈	Mo	98	773.019	0.00	0.3195	0.010	3.263	ug/L
|	Ag	107	31.667	-0.00	0.0039	0.002	43.010	ug/L
|	Cd	114	3.411	-0.00	-0.0036	0.005	128.297	ug/L
|>	In	115	379077.898	379077.90				ug/L
|	Sn	118	378.674	0.00	0.0777	0.012	15.968	ug/L
⌊	Sb	123	64.283	0.00	0.0118	0.001	9.056	ug/L
⌈	Ba	135	8720.890	0.02	5.0405	0.150	2.981	ug/L
|	Ce	140	65641.336	0.13				ug/L
⌊>	Tb	159	513703.519	513703.52				ug/L
⌈	Ho	165	723.432	0.00				ug/L
|	Tl	203	32.000	0.00	0.0023	0.001	30.218	ug/L
|	Tl	205	66.674	0.00	0.0128	0.000	2.649	ug/L
|	Pb	206	2059.233	0.00	0.2856	0.011	3.688	ug/L
|	Pb	207	1958.221	0.00	0.3045	0.096	31.611	ug/L
|	Pb	208	8323.757	0.01	0.2798	0.024	8.564	ug/L
|	U	238	2083.238	0.00	0.0567	0.001	2.572	ug/L
⌊>	Bi	209	508403.669	508403.67				ug/L

Sample ID: L1102048623
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Erin D. Long

⌈	Na	23	3580234.275	11.28	0.5961	0.024	3.992	mg/L
|	Mg	24	1379546.876	4.37	0.3638	0.016	4.417	mg/L
|	K	39	1487794.565	2.83	0.0968	0.003	3.239	mg/L
|	Ca	43	4985.074	0.01	0.2424	0.006	2.610	mg/L
|	Fe	54	476094.003	1.35	0.6597	0.028	4.184	mg/L
|	Fe	57	167216.424	0.50	0.5981	0.018	3.042	mg/L
⌊>	Sc-1	45	315829.021	315829.02				mg/L
	Cl	35	35552.422	16536.35				mg/L
	Kr	83	53.001	-7.67				mg/L
	Br	81	11858.361	3247.99				mg/L
	P	31	25717.994	12322.09				mg/L
	S	34	194859.860	6878.88				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.279			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.574			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.147			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.441			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048626

Sample Date/Time: Tuesday, February 22, 2011 12:27:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 24
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25565.995	0.03				ug/L
|	Be	9	4.000	0.00	-0.0395	0.021	52.891	ug/L
|	Al	27	9888.271	0.02	1.1038	0.232	21.030	ug/L
⌊>	Sc	45	305120.260	305120.26				ug/L
⌈	Ti	49	63.340	0.00	0.0619	0.025	39.639	ug/L
|	V	51	2498.652	0.00	0.0145	0.015	103.219	ug/L
|	Cr	52	10814.288	0.01	0.3499	0.031	8.819	ug/L
|	Cr	53	616.747	0.00	0.4908	0.063	12.888	ug/L
|	Mn	55	1385.777	0.00	0.0684	0.004	6.297	ug/L
|	Co	59	81.001	0.00	-0.0008	0.001	102.214	ug/L
|	Ni	60	317.342	0.00	0.1454	0.015	10.267	ug/L
|	Cu	65	301.008	0.00	0.0701	0.001	1.658	ug/L
|	Zn	66	2408.314	0.00	1.3132	0.048	3.690	ug/L
|>	Ge	72	475422.921	475422.92				ug/L
|	As	75	-182.871	-0.00	-0.0219	0.059	267.441	ug/L
|	Se	77	75.334	0.00	0.0119	0.112	936.381	ug/L
|	Se	82	-3.136	0.00	-0.0159	0.053	332.152	ug/L
⌊	Rb	85	35.667	0.00				mg/L
	Y	89	301044.850	-46737.33				ug/L
	Rh	103	9.333	-1.00				ug/L
⌈	Mo	98	31.315	0.00	0.0216	0.001	6.454	ug/L
|	Ag	107	24.667	-0.00	0.0024	0.001	37.090	ug/L
|	Cd	114	3.382	-0.00	-0.0037	0.002	53.057	ug/L
|>	In	115	376097.948	376097.95				ug/L
|	Sn	118	156.135	0.00	0.0225	0.005	20.813	ug/L
⌊	Sb	123	45.243	-0.00	0.0069	0.003	39.368	ug/L
⌈	Ba	135	87.335	0.00	0.0636	0.005	7.113	ug/L
|	Ce	140	63.340	0.00				ug/L
⌊>	Tb	159	513815.513	513815.51				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	17.000	0.00	0.0003	0.000	111.472	ug/L
|	Tl	205	50.005	0.00	0.0119	0.001	4.652	ug/L
|	Pb	206	445.348	0.00	0.0103	0.003	29.314	ug/L
|	Pb	207	372.344	0.00	0.0168	0.003	20.496	ug/L
|	Pb	208	1715.074	0.00	0.0100	0.001	11.851	ug/L
|	U	238	19.667	0.00	-0.0010	0.000	11.133	ug/L
⌊>	Bi	209	493144.317	493144.32				ug/L

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⌈	Na	23	46284.921	0.09	0.0014	0.000	30.910	mg/L
|	Mg	24	11871.572	0.04	-0.0008	0.000	27.794	mg/L
|	K	39	547161.097	-0.09	-0.0079	0.001	17.127	mg/L
|	Ca	43	416.717	0.00	0.0116	0.002	15.437	mg/L
|	Fe	54	97073.117	0.16	0.0811	0.007	8.790	mg/L
|	Fe	57	7857.205	-0.00	-0.0001	0.001	503.923	mg/L
⌊>	Sc-1	45	305120.260	305120.26				mg/L
	Cl	35	93922.375	74906.31				mg/L
	Kr	83	54.001	-6.67				mg/L
	Br	81	8751.830	141.45				mg/L
	P	31	23742.987	10347.08				mg/L
	S	34	194278.478	6297.50				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		90.985			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.815			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.169			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.367			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102048629

Sample Date/Time: Tuesday, February 22, 2011 12:34:10
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 25
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23461.274	0.02				ug/L
|	Be	9	5.333	0.00	-0.0351	0.009	25.904	ug/L
|	Al	27	20020.081	0.06	2.6915	0.280	10.400	ug/L
⌊>	Sc	45	312114.861	312114.86				ug/L
⌈	Ti	49	86.676	0.00	0.1000	0.057	56.994	ug/L
|	V	51	2449.409	0.00	0.0102	0.017	164.047	ug/L
|	Cr	52	11800.076	0.01	0.4753	0.010	2.023	ug/L
|	Cr	53	683.425	0.00	0.5616	0.036	6.486	ug/L
|	Mn	55	2163.923	0.00	0.1311	0.008	5.972	ug/L
|	Co	59	102.335	0.00	0.0014	0.001	87.463	ug/L
|	Ni	60	257.673	0.00	0.1173	0.003	2.174	ug/L
|	Cu	65	306.008	0.00	0.0728	0.015	20.080	ug/L
|	Zn	66	2176.926	0.00	1.1361	0.054	4.725	ug/L
|>	Ge	72	473928.090	473928.09				ug/L
|	As	75	-134.149	0.00	0.0240	0.042	174.454	ug/L
|	Se	77	74.000	0.00	-0.0029	0.116	4054.399	ug/L
|	Se	82	11.284	0.00	0.1343	0.072	53.889	ug/L
⌊	Rb	85	54.334	0.00				mg/L
	Y	89	304820.962	-42961.22				ug/L
	Rh	103	7.333	-3.00				ug/L
⌈	Mo	98	30.790	0.00	0.0212	0.001	4.669	ug/L
|	Ag	107	27.000	-0.00	0.0028	0.000	5.787	ug/L
|	Cd	114	9.108	0.00	0.0015	0.010	683.959	ug/L
|>	In	115	380976.190	380976.19				ug/L
|	Sn	118	164.535	0.00	0.0242	0.002	10.192	ug/L
⌊	Sb	123	41.907	-0.00	0.0059	0.001	20.060	ug/L
⌈	Ba	135	97.668	0.00	0.0700	0.002	3.076	ug/L
|	Ce	140	120.013	0.00				ug/L
⌊>	Tb	159	509668.401	509668.40				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	13.333	-0.00	-0.0003	0.001	190.585	ug/L
|	Tl	205	30.003	0.00	0.0107	0.001	5.112	ug/L
|	Pb	206	444.348	0.00	0.0089	0.002	19.298	ug/L
|	Pb	207	358.343	0.00	0.0131	0.002	11.654	ug/L
|	Pb	208	1721.076	0.00	0.0092	0.002	22.491	ug/L
|	U	238	23.000	0.00	-0.0009	0.000	12.183	ug/L
⌊>	Bi	209	500523.746	500523.75				ug/L

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⌈	Na	23	78599.542	0.19	0.0067	0.001	14.981	mg/L
|	Mg	24	29155.403	0.09	0.0038	0.001	14.219	mg/L
|	K	39	588986.563	0.01	-0.0045	0.002	53.301	mg/L
|	Ca	43	513.398	0.00	0.0160	0.002	14.554	mg/L
|	Fe	54	101964.862	0.17	0.0853	0.010	11.939	mg/L
|	Fe	57	8958.248	0.00	0.0034	0.003	80.663	mg/L
⌊>	Sc-1	45	312114.861	312114.86				mg/L
	Cl	35	34778.380	15762.31				mg/L
	Kr	83	44.001	-16.67				mg/L
	Br	81	8441.568	-168.81				mg/L
	P	31	23480.287	10084.38				mg/L
	S	34	184962.199	-3018.78				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		90.699			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.058			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.345			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.854			
⌈	Na	23					

Sample ID: L1102048629
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102049202

Sample Date/Time: Tuesday, February 22, 2011 12:40:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 26
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23962.124	0.02				ug/L
|	Be	9	6.667	0.00	-0.0303	0.004	12.253	ug/L
|	Al	27	324175.037	1.03	51.3781	4.815	9.371	ug/L
|>	Sc	45	312683.798	312683.80				ug/L
⌈	Ti	49	1203.526	0.00	1.8592	0.133	7.161	ug/L
|	V	51	25110.541	0.05	2.3116	0.045	1.929	ug/L
|	Cr	52	35769.887	0.06	3.3206	0.084	2.544	ug/L
|	Cr	53	3217.508	0.01	3.1025	0.289	9.322	ug/L
|	Mn	55	1209903.782	2.49	94.5860	1.689	1.785	ug/L
|	Co	59	3278.237	0.01	0.3114	0.006	1.878	ug/L
|	Ni	60	1856.191	0.00	0.8624	0.055	6.355	ug/L
|	Cu	65	49224.027	0.10	22.2610	0.465	2.090	ug/L
|	Zn	66	228607.070	0.47	176.0479	4.204	2.388	ug/L
|>	Ge	72	485206.422	485206.42				ug/L
|	As	75	2882.680	0.01	2.8436	0.044	1.555	ug/L
|	Se	77	76.667	0.00	0.0082	0.136	1648.595	ug/L
|	Se	82	11.939	0.00	0.1387	0.136	98.098	ug/L
⌊	Rb	85	9845.945	0.02				mg/L
	Y	89	311206.511	-36575.67				ug/L
	Rh	103	21.334	11.00				ug/L
⌈	Mo	98	40032.513	0.11	16.0138	0.205	1.279	ug/L
|	Ag	107	99.001	0.00	0.0181	0.000	2.420	ug/L
|	Cd	114	1173.649	0.00	1.0452	0.025	2.397	ug/L
|>	In	115	380807.082	380807.08				ug/L
|	Sn	118	685.490	0.00	0.1533	0.004	2.471	ug/L
⌊	Sb	123	40872.614	0.11	10.5523	0.218	2.063	ug/L
⌈	Ba	135	6133.608	0.01	3.4813	0.070	2.014	ug/L
|	Ce	140	2540.577	0.00				ug/L
|>	Tb	159	523783.079	523783.08				ug/L
⌈	Ho	165	33.337	0.00				ug/L
|	Tl	203	74.668	0.00	0.0083	0.001	15.744	ug/L
|	Tl	205	176.686	0.00	0.0189	0.006	30.023	ug/L
|	Pb	206	15224.067	0.03	2.5460	0.099	3.882	ug/L
|	Pb	207	13377.411	0.03	2.3879	0.113	4.734	ug/L
|	Pb	208	61714.226	0.12	2.4738	0.111	4.467	ug/L
|	U	238	356.343	0.00	0.0084	0.000	5.689	ug/L
|>	Bi	209	509503.278	509503.28				ug/L

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⌈	Na	23	11535331.537	36.88	1.9563	0.113	5.761	mg/L
|	Mg	24	7697848.060	24.63	2.0691	0.063	3.058	mg/L
|	K	39	15805450.590	48.70	1.7439	0.059	3.360	mg/L
|	Ca	43	83438.369	0.27	4.2616	0.074	1.740	mg/L
|	Fe	54	335290.171	0.91	0.4482	0.027	5.920	mg/L
|	Fe	57	111570.062	0.33	0.3932	0.017	4.250	mg/L
⌊>	Sc-1	45	312683.798	312683.80				mg/L
	Cl	35	54516.875	35500.81				mg/L
	Kr	83	45.334	-15.33				mg/L
	Br	81	9625.966	1015.59				mg/L
	P	31	93550.267	80154.36				mg/L
	S	34	289451.244	101470.27				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.858			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		97.015			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.151			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.663			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Zn 66 Upper, S, EEE	Zn	66	

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 12:47:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18400.281	0.00				ug/L
|	Be	9	14224.110	0.05	56.0420	2.700	4.818	ug/L
|	Al	27	306910.777	1.03	51.5129	4.774	9.267	ug/L
⌊>	Sc	45	295872.066	295872.07				ug/L
⌈	Ti	49	65315.872	0.14	103.6309	3.322	3.205	ug/L
|	V	51	492214.207	1.02	50.1756	0.498	0.993	ug/L
|	Cr	52	419686.224	0.85	49.7373	0.906	1.821	ug/L
|	Cr	53	49517.283	0.10	50.1031	1.637	3.268	ug/L
|	Mn	55	631644.060	1.31	49.6598	0.710	1.429	ug/L
|	Co	59	509973.049	1.06	50.1127	0.427	0.853	ug/L
|	Ni	60	107524.106	0.22	50.5961	0.737	1.456	ug/L
|	Cu	65	111851.229	0.23	50.9801	0.689	1.352	ug/L
|	Zn	66	66863.169	0.14	51.3861	0.850	1.654	ug/L
⌊>	Ge	72	482234.644	482234.64				ug/L
|	As	75	52891.467	0.11	49.8368	0.417	0.837	ug/L
|	Se	77	3904.097	0.01	50.3846	2.384	4.732	ug/L
|	Se	82	4861.134	0.01	49.8359	1.603	3.217	ug/L
⌊	Rb	85	1977.882	0.00				mg/L
	Y	89	302658.656	-45123.53				ug/L
	Rh	103	31.334	21.00				ug/L
⌈	Mo	98	242536.395	0.66	99.9737	1.895	1.895	ug/L
|	Ag	107	233090.214	0.63	50.9037	0.140	0.274	ug/L
|	Cd	114	56126.616	0.15	51.8444	0.255	0.491	ug/L
⌊>	In	115	369448.702	369448.70				ug/L
|	Sn	118	197363.671	0.53	50.4142	0.673	1.336	ug/L
⌊	Sb	123	189549.066	0.51	50.4644	0.690	1.367	ug/L
⌈	Ba	135	81977.166	0.17	49.8606	0.588	1.178	ug/L
|	Ce	140	80.008	0.00				ug/L
⌊>	Tb	159	486903.636	486903.64				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	339105.535	0.74	52.3657	1.491	2.847	ug/L
|	Tl	205	809241.063	1.76	50.5166	0.883	1.748	ug/L
|	Pb	206	272321.761	0.59	51.5887	0.488	0.946	ug/L
|	Pb	207	253382.816	0.55	51.0145	0.894	1.752	ug/L
|	Pb	208	1127930.140	2.44	51.1373	0.288	0.563	ug/L
|	U	238	1726901.671	3.75	53.1975	1.285	2.415	ug/L
⌊>	Bi	209	460994.945	460994.95				ug/L

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Na	23	29282595.435	99.29	5.2731	0.576	10.925	mg/L
Mg	24	17997581.026	61.00	5.1291	0.377	7.353	mg/L
K	39	43456997.441	145.30	5.2129	0.289	5.540	mg/L
Ca	43	95378.919	0.32	5.1575	0.252	4.887	mg/L
Fe	54	3112798.566	10.39	5.0558	0.385	7.610	mg/L
Fe	57	1274508.508	4.29	5.0948	0.320	6.281	mg/L
> Sc-1	45	295872.066	295872.07				mg/L
Cl	35	19273.898	257.83				mg/L
Kr	83	52.334	-8.33				mg/L
Br	81	7581.542	-1028.83				mg/L
P	31	12233.519	-1162.38				mg/L
S	34	213115.679	25134.70				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	100.351				
Cr	52	99.475				
Cr	53					
Mn	55	99.320				
Co	59	100.225				
Ni	60	101.192				
Cu	65	101.960				
Zn	66	102.772				
> Ge	72		92.289			
As	75	99.674				
Se	77					
Se	82	99.672				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.807				
Cd	114	103.689				
> In	115		94.121			
Sn	118					
Sb	123	100.929				
Ba	135	99.721				
Ce	140					
> Tb	159		96.818			
Ho	165					
Tl	203	104.731				
Tl	205					
Pb	206					
Pb	207					
Pb	208	102.275				
U	238	106.395				
> Bi	209		92.889			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 12:49:54

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
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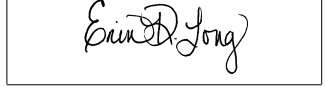

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 12:54:57
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20020.117	0.01				ug/L
|	Be	9	5.333	0.00	-0.0353	0.021	58.702	ug/L
|	Al	27	3250.544	0.00	0.0121	0.120	990.900	ug/L
⌊>	Sc	45	306342.512	306342.51				ug/L
⌈	Ti	49	53.339	0.00	0.0438	0.026	59.373	ug/L
|	V	51	2485.508	0.00	0.0058	0.017	286.816	ug/L
|	Cr	52	8232.806	0.00	0.0050	0.033	654.952	ug/L
|	Cr	53	176.686	-0.00	0.0326	0.019	59.183	ug/L
|	Mn	55	345.009	0.00	-0.0154	0.002	16.198	ug/L
|	Co	59	56.667	-0.00	-0.0034	0.001	29.085	ug/L
|	Ni	60	48.334	0.00	0.0163	0.001	7.503	ug/L
|	Cu	65	110.668	0.00	-0.0195	0.009	44.391	ug/L
|	Zn	66	461.015	0.00	-0.2322	0.029	12.654	ug/L
|>	Ge	72	489325.972	489325.97				ug/L
|	As	75	-157.543	0.00	0.0063	0.035	553.147	ug/L
|	Se	77	68.000	0.00	-0.1126	0.092	81.635	ug/L
|	Se	82	5.583	0.00	0.0721	0.115	159.023	ug/L
⌊	Rb	85	18.334	-0.00				mg/L
	Y	89	317411.870	-30370.31				ug/L
	Rh	103	8.667	-1.67				ug/L
⌈	Mo	98	107.211	0.00	0.0526	0.007	12.866	ug/L
|	Ag	107	24.334	-0.00	0.0023	0.001	22.663	ug/L
|	Cd	114	-2.225	-0.00	-0.0088	0.002	23.480	ug/L
|>	In	115	375432.206	375432.21				ug/L
|	Sn	118	234.669	0.00	0.0425	0.007	15.933	ug/L
⌊	Sb	123	49.285	0.00	0.0080	0.001	8.800	ug/L
⌈	Ba	135	14.000	-0.00	0.0215	0.002	9.742	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	507357.519	507357.52				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	24.334	0.00	0.0015	0.001	62.822	ug/L
|	Tl	205	43.338	0.00	0.0116	0.002	19.249	ug/L
|	Pb	206	389.678	0.00	0.0021	0.007	317.784	ug/L
|	Pb	207	329.342	0.00	0.0101	0.004	40.524	ug/L
|	Pb	208	1545.396	0.00	0.0044	0.003	76.881	ug/L
|	U	238	85.001	0.00	0.0010	0.000	31.550	ug/L
⌊>	Bi	209	482349.886	482349.89				ug/L

Sample ID: QC Std 7
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⌈	Na	23	19918.479	-0.00	-0.0032	0.000	2.806	mg/L
|	Mg	24	616.747	0.00	-0.0039	0.000	0.322	mg/L
|	K	39	566479.142	-0.03	-0.0058	0.003	53.921	mg/L
|	Ca	43	193.355	-0.00	-0.0002	0.002	701.401	mg/L
|	Fe	54	47352.006	-0.01	0.0016	0.004	257.165	mg/L
|	Fe	57	7266.701	-0.00	-0.0025	0.002	79.308	mg/L
⌊>	Sc-1	45	306342.512	306342.51				mg/L
	Cl	35	18612.640	-403.43				mg/L
	Kr	83	48.001	-12.67				mg/L
	Br	81	7885.110	-725.27				mg/L
	P	31	10895.967	-2499.94				mg/L
	S	34	193023.235	5042.26				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.646			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		95.645			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.885			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.192			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 12:57:08

Approved: February 23, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 12:57:08

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: ~~L1102057501~~ L1102027501

Sample Date/Time: Tuesday, February 22, 2011 13:01:42
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 27
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23176.906	0.01				ug/L
|	Be	9	6.000	0.00	-0.0334	0.022	64.880	ug/L
|	Al	27	177006.596	0.54	26.9721	5.215	19.335	ug/L
⌊>	Sc	45	321864.576	321864.58				ug/L
⌈	Ti	49	830.118	0.00	1.4018	0.065	4.654	ug/L
|	V	51	15206.893	0.03	1.4598	0.029	1.982	ug/L
|	Cr	52	16852.695	0.02	1.2533	0.063	5.003	ug/L
|	Cr	53	1556.944	0.00	1.5841	0.136	8.596	ug/L
|	Mn	55	32545.873	0.07	2.7607	0.057	2.057	ug/L
|	Co	59	1111.073	0.00	0.1106	0.002	1.920	ug/L
|	Ni	60	3362.599	0.01	1.7257	0.049	2.867	ug/L
|	Cu	65	724.033	0.00	0.2923	0.016	5.394	ug/L
|	Zn	66	13105.046	0.03	10.5624	0.033	0.311	ug/L
|>	Ge	72	440636.008	440636.01				ug/L
|	As	75	3586.809	0.01	3.8395	0.069	1.791	ug/L
|	Se	77	140.001	0.00	1.0213	0.390	38.143	ug/L
|	Se	82	1364.670	0.00	15.3226	0.545	3.556	ug/L
⌊	Rb	85	9111.909	0.02				mg/L
	Y	89	279614.098	-68168.08				ug/L
	Rh	103	106.335	96.00				ug/L
⌈	Mo	98	1062.638	0.00	0.4613	0.022	4.810	ug/L
|	Ag	107	79.001	0.00	0.0149	0.001	7.744	ug/L
|	Cd	114	1.883	-0.00	-0.0049	0.005	100.340	ug/L
|>	In	115	357690.996	357691.00				ug/L
|	Sn	118	1019.252	0.00	0.2524	0.005	1.934	ug/L
⌊	Sb	123	105.661	0.00	0.0241	0.005	19.804	ug/L
⌈	Ba	135	31074.862	0.06	18.4768	0.114	0.618	ug/L
|	Ce	140	1940.382	0.00				ug/L
⌊>	Tb	159	498277.055	498277.06				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	133.002	0.00	0.0179	0.001	3.029	ug/L
|	Tl	205	360.043	0.00	0.0310	0.003	10.507	ug/L
|	Pb	206	1033.064	0.00	0.1228	0.007	5.920	ug/L
|	Pb	207	928.719	0.00	0.1295	0.003	1.982	ug/L
|	Pb	208	4161.714	0.01	0.1218	0.002	1.601	ug/L
|	U	238	17673.117	0.04	0.5306	0.007	1.406	ug/L
⌊>	Bi	209	471718.833	471718.83				ug/L

Sample ID: ~~L1102057501~~ L1102027501
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Na	23	81827374.899	254.16	13.5028	0.205	1.520	mg/L
Mg	24	21534922.123	66.91	5.6267	0.126	2.244	mg/L
K	39	10627002.625	31.14	1.1134	0.019	1.715	mg/L
Ca	43	613494.904	1.91	30.4905	0.653	2.141	mg/L
Fe	54	153543.308	0.32	0.1583	0.002	1.444	mg/L
Fe	57	62357.771	0.17	0.1992	0.020	10.103	mg/L
> Sc-1	45	321864.576	321864.58				mg/L
Cl	35	474574.371	455558.30				mg/L
Kr	83	51.001	-9.67				mg/L
Br	81	821015.325	812404.95				mg/L
P	31	40629.339	27233.44				mg/L
S	34	750560.864	562579.89				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		84.328			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		91.126			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		99.080			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		95.050			
Na	23					

Sample ID: ~~L1102057501~~ L1102027501
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: ~~L1102057501~~ L1102027501
Report Date/Time: Tuesday, February 22, 2011 13:03:54
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Method 6020 - Summary Report

Sample ID: L1102027502

Sample Date/Time: Tuesday, February 22, 2011 13:08:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 28
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24697.144	0.02				ug/L
|	Be	9	8.000	0.00	-0.0261	0.015	56.891	ug/L
|	Al	27	293649.063	0.91	45.2245	4.569	10.103	ug/L
⌊>	Sc	45	321436.853	321436.85				ug/L
⌈	Ti	49	1463.589	0.00	2.5496	0.419	16.417	ug/L
|	V	51	14956.847	0.03	1.4642	0.064	4.373	ug/L
|	Cr	52	16472.060	0.02	1.2451	0.095	7.634	ug/L
|	Cr	53	1783.671	0.00	1.8741	0.106	5.681	ug/L
|	Mn	55	42196.595	0.10	3.6611	0.048	1.298	ug/L
|	Co	59	1256.758	0.00	0.1289	0.005	4.030	ug/L
|	Ni	60	4107.552	0.01	2.1493	0.061	2.823	ug/L
|	Cu	65	876.047	0.00	0.3766	0.004	1.106	ug/L
|	Zn	66	14331.072	0.03	11.8383	0.153	1.292	ug/L
|>	Ge	72	432413.678	432413.68				ug/L
|	As	75	5655.444	0.01	6.0775	0.083	1.363	ug/L
|	Se	77	112.001	0.00	0.6508	0.101	15.461	ug/L
|	Se	82	2104.542	0.00	24.0709	0.389	1.616	ug/L
⌊	Rb	85	9249.368	0.02				mg/L
	Y	89	276802.238	-70979.94				ug/L
	Rh	103	104.002	93.67				ug/L
⌈	Mo	98	1037.041	0.00	0.4389	0.016	3.729	ug/L
|	Ag	107	86.335	0.00	0.0161	0.001	3.969	ug/L
|	Cd	114	3.068	-0.00	-0.0039	0.005	128.124	ug/L
|>	In	115	367316.228	367316.23				ug/L
|	Sn	118	1269.414	0.00	0.3096	0.002	0.596	ug/L
⌊	Sb	123	119.242	0.00	0.0270	0.002	8.707	ug/L
⌈	Ba	135	31862.677	0.06	18.4149	0.561	3.049	ug/L
|	Ce	140	2707.306	0.01				ug/L
⌊>	Tb	159	512772.941	512772.94				ug/L
⌈	Ho	165	53.339	0.00				ug/L
|	Tl	203	128.335	0.00	0.0164	0.000	2.221	ug/L
|	Tl	205	273.364	0.00	0.0250	0.002	7.651	ug/L
|	Pb	206	1641.151	0.00	0.2235	0.013	5.966	ug/L
|	Pb	207	1401.112	0.00	0.2119	0.020	9.493	ug/L
|	Pb	208	6600.266	0.01	0.2184	0.005	2.405	ug/L
|	U	238	17966.308	0.04	0.5179	0.010	1.931	ug/L
⌊>	Bi	209	491456.506	491456.51				ug/L

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⌈	Na	23	79935847.040	248.75	13.2152	0.386	2.922	mg/L
|	Mg	24	21335720.321	66.41	5.5846	0.163	2.915	mg/L
|	K	39	10632605.600	31.21	1.1160	0.032	2.883	mg/L
|	Ca	43	589514.771	1.83	29.3511	0.811	2.764	mg/L
|	Fe	54	160750.398	0.34	0.1696	0.007	4.326	mg/L
|	Fe	57	59898.471	0.16	0.1907	0.015	8.101	mg/L
⌊>	Sc-1	45	321436.853	321436.85				mg/L
	Cl	35	467724.520	448708.45				mg/L
	Kr	83	43.334	-17.33				mg/L
	Br	81	1197746.382	1189136.01				mg/L
	P	31	39346.070	25950.17				mg/L
	S	34	764868.023	576887.05				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		82.754			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.578			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.962			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.027			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102027503

Sample Date/Time: Tuesday, February 22, 2011 13:15:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 29
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20437.591	0.01				ug/L
|	Be	9	8.667	0.00	-0.0205	0.011	54.842	ug/L
|	Al	27	155262.880	0.53	26.2361	0.961	3.664	ug/L
⌊>	Sc	45	290288.303	290288.30				ug/L
⌈	Ti	49	580.075	0.00	1.0103	0.061	6.075	ug/L
|	V	51	30299.129	0.07	3.2975	0.059	1.777	ug/L
|	Cr	52	24790.949	0.04	2.4436	0.048	1.970	ug/L
|	Cr	53	2413.866	0.01	2.6514	0.079	2.995	ug/L
|	Mn	55	9708.474	0.02	0.8299	0.008	0.952	ug/L
|	Co	59	337.676	0.00	0.0290	0.003	11.737	ug/L
|	Ni	60	1313.433	0.00	0.6994	0.003	0.448	ug/L
|	Cu	65	704.032	0.00	0.2976	0.021	7.211	ug/L
|	Zn	66	5816.083	0.01	4.5757	0.123	2.683	ug/L
| >	Ge	72	422461.885	422461.88				ug/L
|	As	75	641.589	0.00	0.8404	0.058	6.872	ug/L
|	Se	77	82.000	0.00	0.2379	0.166	69.575	ug/L
|	Se	82	95.045	0.00	1.1285	0.147	13.055	ug/L
⌊	Rb	85	3682.715	0.01				mg/L
	Y	89	265241.327	-82540.86				ug/L
	Rh	103	41.000	30.67				ug/L
⌈	Mo	98	4703.135	0.01	2.0809	0.069	3.324	ug/L
|	Ag	107	150.669	0.00	0.0323	0.002	5.317	ug/L
|	Cd	114	6.751	0.00	-0.0000	0.005	14110.605	ug/L
| >	In	115	345706.280	345706.28				ug/L
|	Sn	118	349.206	0.00	0.0787	0.003	3.228	ug/L
⌊	Sb	123	135.077	0.00	0.0335	0.004	11.566	ug/L
⌈	Ba	135	13336.361	0.03	8.1530	0.313	3.838	ug/L
|	Ce	140	1153.515	0.00				ug/L
⌊>	Tb	159	485147.573	485147.57				ug/L
⌈	Ho	165	40.004	0.00				ug/L
|	Tl	203	30.334	0.00	0.0025	0.000	12.098	ug/L
|	Tl	205	60.006	0.00	0.0127	0.001	8.075	ug/L
|	Pb	206	1391.777	0.00	0.1940	0.010	5.104	ug/L
|	Pb	207	1216.086	0.00	0.1904	0.002	1.159	ug/L
|	Pb	208	5648.023	0.01	0.1923	0.001	0.776	ug/L
|	U	238	11793.739	0.03	0.3599	0.010	2.667	ug/L
⌊>	Bi	209	463403.366	463403.37				ug/L

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⌈	Na	23	58238909.832	200.61	10.6568	0.274	2.568	mg/L
|	Mg	24	5284011.731	18.21	1.5281	0.028	1.838	mg/L
|	K	39	7286276.262	23.22	0.8292	0.010	1.149	mg/L
|	Ca	43	229311.020	0.79	12.6287	0.173	1.371	mg/L
|	Fe	54	103433.483	0.20	0.0997	0.008	7.675	mg/L
|	Fe	57	23092.272	0.05	0.0638	0.003	4.765	mg/L
⌊>	Sc-1	45	290288.303	290288.30				mg/L
	Cl	35	121459.389	102443.32				mg/L
	Kr	83	33.334	-27.33				mg/L
	Br	81	41929.143	33318.77				mg/L
	P	31	20729.633	7333.73				mg/L
	S	34	431805.720	243824.74				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		80.850			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.072			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.469			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.374			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102027504

Sample Date/Time: Tuesday, February 22, 2011 13:22:01
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 30
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23644.665	0.02				ug/L
|	Be	9	12.000	0.00	-0.0071	0.022	308.443	ug/L
|	Al	27	138301.728	0.46	23.1021	1.732	7.495	ug/L
⌊>	Sc	45	292998.673	292998.67				ug/L
⌈	Ti	49	653.427	0.00	1.1260	0.845	75.082	ug/L
|	V	51	30701.637	0.07	3.2896	0.070	2.141	ug/L
|	Cr	52	24462.467	0.04	2.3462	0.053	2.256	ug/L
|	Cr	53	2230.472	0.00	2.4019	0.192	7.986	ug/L
|	Mn	55	11088.258	0.03	0.9382	0.023	2.478	ug/L
|	Co	59	330.342	0.00	0.0276	0.001	2.547	ug/L
|	Ni	60	1453.787	0.00	0.7630	0.035	4.623	ug/L
|	Cu	65	1310.099	0.00	0.6026	0.015	2.551	ug/L
|	Zn	66	7702.052	0.02	6.1522	0.663	10.771	ug/L
|>	Ge	72	429190.690	429190.69				ug/L
|	As	75	584.812	0.00	0.7700	0.051	6.632	ug/L
|	Se	77	93.334	0.00	0.3886	0.149	38.323	ug/L
|	Se	82	77.967	0.00	0.9154	0.062	6.786	ug/L
⌊	Rb	85	3677.046	0.01				mg/L
	Y	89	269811.631	-77970.55				ug/L
	Rh	103	45.334	35.00				ug/L
⌈	Mo	98	4544.951	0.01	1.9497	0.021	1.073	ug/L
|	Ag	107	160.670	0.00	0.0335	0.002	7.424	ug/L
|	Cd	114	3.744	-0.00	-0.0032	0.003	98.184	ug/L
|>	In	115	356576.339	356576.34				ug/L
|	Sn	118	363.473	0.00	0.0796	0.002	2.836	ug/L
⌊	Sb	123	144.079	0.00	0.0348	0.001	2.474	ug/L
⌈	Ba	135	13729.222	0.03	8.2485	0.230	2.791	ug/L
|	Ce	140	1223.531	0.00				ug/L
⌊>	Tb	159	493876.648	493876.65				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	30.000	0.00	0.0024	0.001	21.719	ug/L
|	Tl	205	70.007	0.00	0.0133	0.000	0.470	ug/L
|	Pb	206	1409.780	0.00	0.1944	0.002	0.908	ug/L
|	Pb	207	1234.755	0.00	0.1916	0.015	7.857	ug/L
|	Pb	208	5699.366	0.01	0.1918	0.003	1.398	ug/L
|	U	238	12050.711	0.03	0.3638	0.004	1.140	ug/L
⌊>	Bi	209	468536.779	468536.78				ug/L

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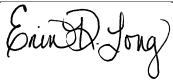

⌈	Na	23	61034100.842	208.37	11.0696	0.518	4.681	mg/L
|	Mg	24	5589015.911	19.08	1.6016	0.025	1.550	mg/L
|	K	39	7351914.977	23.21	0.8286	0.040	4.803	mg/L
|	Ca	43	232485.990	0.79	12.6861	0.577	4.550	mg/L
|	Fe	54	102856.549	0.19	0.0970	0.003	3.359	mg/L
|	Fe	57	21244.834	0.05	0.0554	0.010	17.611	mg/L
⌊>	Sc-1	45	292998.673	292998.67				mg/L
	Cl	35	119995.683	100979.61				mg/L
	Kr	83	42.334	-18.33				mg/L
	Br	81	29856.505	21246.13				mg/L
	P	31	21996.846	8600.94				mg/L
	S	34	421959.973	233979.00				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		82.138			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.842			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.205			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		94.408			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102027504
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Method 6020 - Summary Report

Sample ID: L1102027505

Sample Date/Time: Tuesday, February 22, 2011 13:28:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 31
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24145.791	0.02				ug/L
|	Be	9	6.000	0.00	-0.0311	0.021	67.998	ug/L
|	Al	27	67645.484	0.22	10.7292	0.875	8.159	ug/L
⌊>	Sc	45	301076.152	301076.15				ug/L
⌈	Ti	49	340.040	0.00	0.5788	0.186	32.171	ug/L
|	V	51	19178.096	0.04	2.0134	0.048	2.398	ug/L
|	Cr	52	12017.671	0.01	0.6940	0.038	5.466	ug/L
|	Cr	53	1423.577	0.00	1.5164	0.058	3.828	ug/L
|	Mn	55	8416.626	0.02	0.7191	0.011	1.466	ug/L
|	Co	59	387.011	0.00	0.0349	0.002	5.781	ug/L
|	Ni	60	1729.834	0.00	0.9291	0.025	2.686	ug/L
|	Cu	65	808.708	0.00	0.3548	0.012	3.454	ug/L
|	Zn	66	9551.989	0.02	7.9501	0.180	2.259	ug/L
|>	Ge	72	419616.860	419616.86				ug/L
|	As	75	273.077	0.00	0.4471	0.007	1.617	ug/L
|	Se	77	130.001	0.00	0.9771	0.278	28.486	ug/L
|	Se	82	113.591	0.00	1.3562	0.160	11.796	ug/L
⌊	Rb	85	6486.836	0.02				mg/L
	Y	89	258438.227	-89343.96				ug/L
	Rh	103	55.334	45.00				ug/L
⌈	Mo	98	3083.082	0.01	1.3263	0.031	2.334	ug/L
|	Ag	107	34.000	-0.00	0.0048	0.001	20.908	ug/L
|	Cd	114	15.176	0.00	0.0080	0.012	145.533	ug/L
|>	In	115	356239.485	356239.48				ug/L
|	Sn	118	174.402	0.00	0.0296	0.003	11.112	ug/L
⌊	Sb	123	91.868	0.00	0.0204	0.003	14.153	ug/L
⌈	Ba	135	42872.490	0.09	26.5340	0.842	3.173	ug/L
|	Ce	140	506.730	0.00				ug/L
⌊>	Tb	159	479087.640	479087.64				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	72.001	0.00	0.0092	0.001	7.915	ug/L
|	Tl	205	193.355	0.00	0.0213	0.002	9.678	ug/L
|	Pb	206	614.358	0.00	0.0505	0.002	4.483	ug/L
|	Pb	207	493.017	0.00	0.0482	0.002	3.544	ug/L
|	Pb	208	2346.131	0.00	0.0462	0.002	4.763	ug/L
|	U	238	9664.434	0.02	0.3032	0.012	4.070	ug/L
⌊>	Bi	209	450851.075	450851.07				ug/L

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⌈	Na	23	62760232.783	208.55	11.0791	0.240	2.165	mg/L
|	Mg	24	14587216.930	48.49	4.0767	0.131	3.202	mg/L
|	K	39	8230688.794	25.48	0.9103	0.024	2.677	mg/L
|	Ca	43	360741.780	1.20	19.1958	0.971	5.059	mg/L
|	Fe	54	93044.165	0.15	0.0769	0.009	12.317	mg/L
|	Fe	57	22985.479	0.05	0.0602	0.011	17.667	mg/L
⌊>	Sc-1	45	301076.152	301076.15				mg/L
	Cl	35	376036.666	357020.60				mg/L
	Kr	83	47.334	-13.33				mg/L
	Br	81	52476.770	43866.39				mg/L
	P	31	22995.202	9599.30				mg/L
	S	34	419242.306	231261.33				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		80.305			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.756			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.264			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		90.845			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102029801

Sample Date/Time: Tuesday, February 22, 2011 13:35:36
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 32
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26568.819	0.03				ug/L
|	Be	9	12.000	0.00	-0.0102	0.015	145.764	ug/L
|	Al	27	115585.520	0.36	17.9866	1.645	9.148	ug/L
⌊>	Sc	45	311993.171	311993.17				ug/L
⌈	Ti	49	723.432	0.00	1.2354	0.110	8.893	ug/L
|	V	51	13807.954	0.03	1.3249	0.022	1.654	ug/L
|	Cr	52	15234.419	0.02	1.0674	0.020	1.876	ug/L
|	Cr	53	1726.989	0.00	1.8008	0.099	5.493	ug/L
|	Mn	55	16294.765	0.04	1.3808	0.003	0.212	ug/L
|	Co	59	1004.061	0.00	0.1006	0.003	3.039	ug/L
|	Ni	60	3563.005	0.01	1.8542	0.077	4.173	ug/L
|	Cu	65	689.697	0.00	0.2800	0.005	1.789	ug/L
|	Zn	66	9370.817	0.02	7.4982	0.101	1.351	ug/L
| >	Ge	72	434493.228	434493.23				ug/L
|	As	75	4475.135	0.01	4.8203	0.228	4.729	ug/L
|	Se	77	130.668	0.00	0.9165	0.237	25.905	ug/L
|	Se	82	1679.105	0.00	19.1194	0.677	3.541	ug/L
⌊	Rb	85	8445.983	0.02				mg/L
	Y	89	267210.798	-80571.38				ug/L
	Rh	103	94.335	84.00				ug/L
⌈	Mo	98	982.113	0.00	0.4144	0.002	0.481	ug/L
|	Ag	107	57.334	0.00	0.0097	0.002	21.291	ug/L
|	Cd	114	2.542	-0.00	-0.0044	0.011	242.081	ug/L
| >	In	115	368745.494	368745.49				ug/L
|	Sn	118	526.014	0.00	0.1180	0.002	1.532	ug/L
⌊	Sb	123	93.244	0.00	0.0200	0.003	13.846	ug/L
⌈	Ba	135	31774.059	0.06	17.9788	0.424	2.358	ug/L
|	Ce	140	1887.033	0.00				ug/L
⌊>	Tb	159	523776.647	523776.65				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	110.668	0.00	0.0141	0.002	11.471	ug/L
|	Tl	205	266.697	0.00	0.0249	0.003	10.331	ug/L
|	Pb	206	729.701	0.00	0.0634	0.011	17.071	ug/L
|	Pb	207	642.360	0.00	0.0702	0.006	8.084	ug/L
|	Pb	208	2914.196	0.00	0.0634	0.002	3.932	ug/L
|	U	238	17730.565	0.04	0.5196	0.010	2.021	ug/L
⌊>	Bi	209	483125.302	483125.30				ug/L

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⌈	Na	23	79260730.976	254.00	13.4939	0.073	0.540	mg/L
|	Mg	24	21305538.229	68.28	5.7418	0.175	3.051	mg/L
|	K	39	10101486.896	30.49	1.0901	0.024	2.188	mg/L
|	Ca	43	569279.386	1.82	29.1835	0.568	1.945	mg/L
|	Fe	54	148208.382	0.31	0.1573	0.002	1.368	mg/L
|	Fe	57	58441.654	0.16	0.1914	0.028	14.774	mg/L
⌊>	Sc-1	45	311993.171	311993.17				mg/L
	Cl	35	447612.642	428596.57				mg/L
	Kr	83	45.334	-15.33				mg/L
	Br	81	969572.679	960962.30				mg/L
	P	31	39317.062	25921.16				mg/L
	S	34	742378.540	554397.56				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.152			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.942			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.150			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.348			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: F BLANK

Sample Date/Time: Tuesday, February 22, 2011 13:42:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 33
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22542.215	0.02				ug/L
|	Be	9	8.000	0.00	-0.0214	0.029	137.517	ug/L
|	Al	27	3450.600	0.00	0.1082	0.046	42.220	ug/L
⌊>	Sc	45	274471.920	274471.92				ug/L
⌈	Ti	49	60.006	0.00	0.0668	0.031	45.902	ug/L
|	V	51	2252.460	0.00	0.0139	0.003	22.819	ug/L
|	Cr	52	7047.220	-0.00	-0.0198	0.012	60.545	ug/L
|	Cr	53	173.352	-0.00	0.0538	0.071	131.358	ug/L
|	Mn	55	628.359	0.00	0.0133	0.001	5.494	ug/L
|	Co	59	45.334	-0.00	-0.0039	0.001	25.694	ug/L
|	Ni	60	71.334	0.00	0.0315	0.006	17.657	ug/L
|	Cu	65	847.711	0.00	0.3648	0.023	6.284	ug/L
|	Zn	66	2258.278	0.00	1.3846	0.023	1.682	ug/L
|>	Ge	72	429691.486	429691.49				ug/L
|	As	75	-31.786	0.00	0.1184	0.061	51.918	ug/L
|	Se	77	56.667	0.00	-0.1566	0.038	24.222	ug/L
|	Se	82	29.647	0.00	0.3569	0.161	45.104	ug/L
⌊	Rb	85	32.000	0.00				mg/L
	Y	89	263710.713	-84071.47				ug/L
	Rh	103	11.667	1.33				ug/L
⌈	Mo	98	22.347	0.00	0.0187	0.002	8.852	ug/L
|	Ag	107	84.335	0.00	0.0166	0.002	13.810	ug/L
|	Cd	114	1.948	-0.00	-0.0048	0.000	4.660	ug/L
|>	In	115	349238.706	349238.71				ug/L
|	Sn	118	103.867	0.00	0.0114	0.002	14.031	ug/L
⌊	Sb	123	29.574	-0.00	0.0034	0.002	47.845	ug/L
⌈	Ba	135	31.667	0.00	0.0333	0.002	6.891	ug/L
|	Ce	140	10.001	-0.00				ug/L
⌊>	Tb	159	469931.334	469931.33				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	24.667	0.00	0.0016	0.000	30.174	ug/L
|	Tl	205	50.005	0.00	0.0121	0.000	0.398	ug/L
|	Pb	206	376.011	0.00	0.0027	0.002	83.669	ug/L
|	Pb	207	320.675	0.00	0.0112	0.007	62.131	ug/L
|	Pb	208	1502.393	0.00	0.0055	0.002	29.663	ug/L
|	U	238	15.333	-0.00	-0.0011	0.000	15.372	ug/L
⌊>	Bi	209	460646.666	460646.67				ug/L

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Na	23	55458.895	0.14	0.0041	0.001	14.495	mg/L
Mg	24	5575.453	0.02	-0.0024	0.000	3.117	mg/L
K	39	561840.430	0.17	0.0013	0.003	244.904	mg/L
Ca	43	366.710	0.00	0.0110	0.002	21.501	mg/L
Fe	54	28642.191	-0.06	-0.0229	0.001	5.714	mg/L
Fe	57	6305.955	-0.00	-0.0034	0.002	69.982	mg/L
> Sc-1	45	274471.920	274471.92				mg/L
Cl	35	18776.958	-239.11				mg/L
Kr	83	40.667	-20.00				mg/L
Br	81	19251.897	10641.52				mg/L
P	31	8760.517	-4635.39				mg/L
S	34	208686.281	20705.30				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		82.233			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.972			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		93.443			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		92.819			
Na	23					

Sample ID: F BLANK
Report Date/Time: Tuesday, February 22, 2011 13:44:37

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: F BLANK
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 13:49:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21573.333	0.02				ug/L
|	Be	9	14220.128	0.05	59.1001	3.149	5.329	ug/L
|	Al	27	294373.028	1.04	52.0619	2.062	3.961	ug/L
⌊>	Sc	45	279930.751	279930.75				ug/L
⌈	Ti	49	60307.602	0.14	105.2385	4.330	4.115	ug/L
|	V	51	464441.183	1.05	52.1026	1.316	2.526	ug/L
|	Cr	52	398428.011	0.89	51.9946	0.894	1.720	ug/L
|	Cr	53	45675.389	0.10	50.8364	1.540	3.029	ug/L
|	Mn	55	607379.668	1.39	52.5509	1.620	3.083	ug/L
|	Co	59	479400.399	1.09	51.8416	1.412	2.724	ug/L
|	Ni	60	100948.989	0.23	52.2672	0.815	1.560	ug/L
|	Cu	65	103895.324	0.24	52.1042	0.753	1.445	ug/L
|	Zn	66	61734.948	0.14	52.2169	1.192	2.283	ug/L
| >	Ge	72	438302.500	438302.50				ug/L
|	As	75	47017.750	0.11	48.7456	0.339	0.695	ug/L
|	Se	77	3618.655	0.01	51.4146	0.575	1.117	ug/L
|	Se	82	4371.320	0.01	49.2925	1.224	2.484	ug/L
⌊	Rb	85	1819.850	0.00				mg/L
	Y	89	275233.526	-72548.66				ug/L
	Rh	103	22.667	12.33				ug/L
⌈	Mo	98	218434.513	0.62	94.8708	2.547	2.684	ug/L
|	Ag	107	216314.248	0.62	49.7813	1.308	2.628	ug/L
|	Cd	114	50482.515	0.14	49.1335	1.551	3.156	ug/L
| >	In	115	350634.658	350634.66				ug/L
|	Sn	118	186833.288	0.53	50.2840	0.869	1.727	ug/L
⌊	Sb	123	180243.953	0.51	50.5609	0.843	1.668	ug/L
⌈	Ba	135	75914.271	0.16	47.2255	1.311	2.777	ug/L
|	Ce	140	60.006	0.00				ug/L
⌊>	Tb	159	476101.108	476101.11				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	331086.136	0.70	50.1175	0.384	0.767	ug/L
|	Tl	205	807938.680	1.72	49.4430	0.470	0.950	ug/L
|	Pb	206	265945.283	0.56	49.3920	1.172	2.373	ug/L
|	Pb	207	253911.489	0.54	50.1147	0.331	0.660	ug/L
|	Pb	208	1127446.882	2.39	50.1147	0.943	1.882	ug/L
|	U	238	1726740.513	3.67	52.1633	1.141	2.188	ug/L
⌊>	Bi	209	470228.416	470228.42				ug/L

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Na	23	27977471.284	99.88	5.3043	0.016	0.310	mg/L
Mg	24	17929694.900	64.06	5.3867	0.150	2.780	mg/L
K	39	42017438.927	148.21	5.3176	0.036	0.682	mg/L
Ca	43	92458.230	0.33	5.2746	0.120	2.275	mg/L
Fe	54	2986121.379	10.51	5.1133	0.161	3.157	mg/L
Fe	57	1237937.301	4.40	5.2189	0.018	0.349	mg/L
> Sc-1	45	279930.751	279930.75				mg/L
Cl	35	19560.445	544.38				mg/L
Kr	83	42.001	-18.67				mg/L
Br	81	11559.345	2948.97				mg/L
P	31	10925.999	-2469.90				mg/L
S	34	213727.393	25746.42				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	104.205				
Cr	52	103.989				
Cr	53					
Mn	55	105.102				
Co	59	103.683				
Ni	60	104.534				
Cu	65	104.208				
Zn	66	104.434				
> Ge	72		83.881			
As	75	97.491				
Se	77					
Se	82	98.585				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.563				
Cd	114	98.267				
> In	115		89.328			
Sn	118					
Sb	123	101.122				
Ba	135	94.451				
Ce	140					
> Tb	159		94.670			
Ho	165					
Tl	203	100.235				
Tl	205					
Pb	206					
Pb	207					
Pb	208	100.229				
U	238	104.327				
> Bi	209		94.749			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 13:51:24

Approved: February 23, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 13:51:24

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 13:56:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19268.726	0.01				ug/L
|	Be	9	2.667	-0.00	-0.0443	0.005	10.314	ug/L
|	Al	27	3467.279	0.00	0.0872	0.134	153.666	ug/L
⌊>	Sc	45	287685.682	287685.68				ug/L
⌈	Ti	49	56.673	0.00	0.0567	0.064	112.139	ug/L
|	V	51	2204.363	-0.00	-0.0011	0.001	59.501	ug/L
|	Cr	52	7274.051	-0.00	-0.0258	0.007	28.963	ug/L
|	Cr	53	220.024	0.00	0.0974	0.049	50.133	ug/L
|	Mn	55	285.007	0.00	-0.0179	0.002	12.666	ug/L
|	Co	59	53.334	0.00	-0.0032	0.000	6.279	ug/L
|	Ni	60	39.667	-0.00	0.0140	0.002	16.718	ug/L
|	Cu	65	92.668	-0.00	-0.0236	0.001	5.631	ug/L
|	Zn	66	360.010	-0.00	-0.2832	0.005	1.638	ug/L
| >	Ge	72	446292.511	446292.51				ug/L
|	As	75	-125.974	0.00	0.0241	0.049	203.840	ug/L
|	Se	77	52.667	-0.00	-0.2452	0.104	42.372	ug/L
|	Se	82	3.878	0.00	0.0589	0.111	189.224	ug/L
⌊	Rb	85	18.334	-0.00				mg/L
	Y	89	279815.719	-67966.46				ug/L
	Rh	103	11.667	1.33				ug/L
⌈	Mo	98	111.202	0.00	0.0570	0.006	10.253	ug/L
|	Ag	107	28.334	-0.00	0.0036	0.002	43.450	ug/L
|	Cd	114	0.498	-0.00	-0.0063	0.003	47.565	ug/L
| >	In	115	352071.629	352071.63				ug/L
|	Sn	118	236.669	0.00	0.0469	0.007	15.739	ug/L
⌊	Sb	123	30.156	-0.00	0.0035	0.001	29.546	ug/L
⌈	Ba	135	15.334	-0.00	0.0227	0.005	21.780	ug/L
|	Ce	140	16.668	-0.00				ug/L
⌊>	Tb	159	482685.045	482685.04				ug/L
⌈	Ho	165	16.668	0.00				ug/L
|	Tl	203	23.000	0.00	0.0013	0.000	16.469	ug/L
|	Tl	205	50.005	0.00	0.0120	0.002	14.573	ug/L
|	Pb	206	400.679	0.00	0.0048	0.001	19.768	ug/L
|	Pb	207	328.342	0.00	0.0106	0.002	21.144	ug/L
|	Pb	208	1556.063	0.00	0.0055	0.001	19.747	ug/L
|	U	238	80.334	0.00	0.0008	0.000	21.639	ug/L
⌊>	Bi	209	476698.041	476698.04				ug/L

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⌈	Na	23	19714.733	0.00	-0.0030	0.000	9.651	mg/L
|	Mg	24	496.729	0.00	-0.0039	0.000	0.278	mg/L
|	K	39	545472.138	0.02	-0.0041	0.003	70.789	mg/L
|	Ca	43	156.684	-0.00	-0.0015	0.003	193.092	mg/L
|	Fe	54	41532.459	-0.02	-0.0034	0.003	80.599	mg/L
|	Fe	57	5935.694	-0.01	-0.0061	0.003	42.452	mg/L
⌊>	Sc-1	45	287685.682	287685.68				mg/L
	Cl	35	17734.387	-1281.68				mg/L
	Kr	83	52.334	-8.33				mg/L
	Br	81	9132.171	521.80				mg/L
	P	31	10799.165	-2596.74				mg/L
	S	34	199279.803	11298.83				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.410			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.694			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.979			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.053			
⌈	Na	23					

Sample ID: QC Std 7
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 13:58:38

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Method 6020 - Summary Report

Sample ID: PBW 23 WG356896-04

Sample Date/Time: Tuesday, February 22, 2011 14:29:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 34
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24413.294	0.02				ug/L
|	Be	9	5.333	0.00	-0.0348	0.004	12.194	ug/L
|	Al	27	26435.063	0.08	3.7919	0.307	8.101	ug/L
⌊>	Sc	45	306356.290	306356.29				ug/L
⌈	Ti	49	330.044	0.00	0.5180	0.668	128.920	ug/L
|	V	51	2426.399	0.00	0.0237	0.002	8.094	ug/L
|	Cr	52	9083.548	0.00	0.2117	0.032	15.198	ug/L
|	Cr	53	350.041	0.00	0.2398	0.046	19.037	ug/L
|	Mn	55	2679.386	0.01	0.1858	0.001	0.656	ug/L
|	Co	59	75.668	0.00	-0.0008	0.001	126.642	ug/L
|	Ni	60	143.002	0.00	0.0668	0.010	14.405	ug/L
|	Cu	65	251.672	0.00	0.0549	0.001	2.638	ug/L
|	Zn	66	2032.894	0.00	1.1227	0.029	2.595	ug/L
|>	Ge	72	445989.067	445989.07				ug/L
|	As	75	-142.193	0.00	0.0073	0.038	519.566	ug/L
|	Se	77	59.334	0.00	-0.1502	0.206	137.180	ug/L
|	Se	82	5.281	0.00	0.0746	0.045	60.437	ug/L
⌊	Rb	85	58.667	0.00				mg/L
	Y	89	290907.378	-56874.80				ug/L
	Rh	103	5.333	-5.00				ug/L
⌈	Mo	98	32.311	0.00	0.0223	0.001	3.368	ug/L
|	Ag	107	18.334	-0.00	0.0011	0.001	78.608	ug/L
|	Cd	114	-1.870	-0.00	-0.0084	0.003	37.214	ug/L
|>	In	115	367892.619	367892.62				ug/L
|	Sn	118	149.601	0.00	0.0217	0.001	6.679	ug/L
⌊	Sb	123	32.240	-0.00	0.0037	0.001	37.412	ug/L
⌈	Ba	135	90.335	0.00	0.0671	0.007	10.626	ug/L
|	Ce	140	316.703	0.00				ug/L
⌊>	Tb	159	497939.083	497939.08				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	19.000	0.00	0.0006	0.001	181.820	ug/L
|	Tl	205	13.335	-0.00	0.0098	0.000	3.869	ug/L
|	Pb	206	662.362	0.00	0.0478	0.008	17.763	ug/L
|	Pb	207	586.023	0.00	0.0561	0.007	11.907	ug/L
|	Pb	208	2662.499	0.00	0.0492	0.005	10.422	ug/L
|	U	238	27.000	0.00	-0.0008	0.000	11.734	ug/L
⌊>	Bi	209	498122.519	498122.52				ug/L

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⌈	Na	23	83223.216	0.21	0.0078	0.000	4.790	mg/L
|	Mg	24	19347.306	0.06	0.0012	0.000	6.078	mg/L
|	K	39	584619.015	0.03	-0.0038	0.002	50.244	mg/L
|	Ca	43	703.429	0.00	0.0264	0.005	17.935	mg/L
|	Fe	54	94251.123	0.15	0.0759	0.002	3.206	mg/L
|	Fe	57	7433.509	-0.00	-0.0019	0.002	88.301	mg/L
⌊>	Sc-1	45	306356.290	306356.29				mg/L
	Cl	35	70689.645	51673.57				mg/L
	Kr	83	44.334	-16.33				mg/L
	Br	81	8180.013	-430.36				mg/L
	P	31	21028.800	7632.90				mg/L
	S	34	208074.015	20093.04				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.352			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.725			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.012			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.370			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 23 WG356896-04
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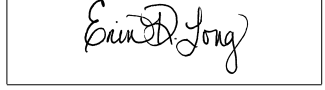

Method 6020 - Summary Report

Sample ID: LCSW 23 WG356896-05

Sample Date/Time: Tuesday, February 22, 2011 14:36:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 35
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20888.501	0.01				ug/L
|	Be	9	7125.873	0.02	27.0767	0.923	3.410	ug/L
|	Al	27	195291.281	0.63	31.3937	1.454	4.632	ug/L
⌊>	Sc	45	305925.898	305925.90				ug/L
⌈	Ti	49	220.025	0.00	0.3385	0.086	25.513	ug/L
|	V	51	248408.692	0.55	27.3402	0.465	1.701	ug/L
|	Cr	52	220773.677	0.48	27.9410	0.380	1.361	ug/L
|	Cr	53	25127.387	0.06	27.4917	0.710	2.584	ug/L
|	Mn	55	327522.846	0.74	27.8955	0.403	1.446	ug/L
|	Co	59	257548.638	0.58	27.4329	0.179	0.651	ug/L
|	Ni	60	54651.490	0.12	27.8752	0.412	1.479	ug/L
|	Cu	65	55952.671	0.13	27.6149	0.476	1.723	ug/L
|	Zn	66	33498.691	0.07	27.6418	0.515	1.864	ug/L
|>	Ge	72	444846.790	444846.79				ug/L
|	As	75	23380.249	0.05	23.9587	0.239	0.999	ug/L
|	Se	77	1698.144	0.00	23.2372	0.638	2.744	ug/L
|	Se	82	2023.490	0.00	22.4910	0.770	3.423	ug/L
⌊	Rb	85	112.002	0.00				mg/L
	Y	89	284577.419	-63204.76				ug/L
	Rh	103	21.334	11.00				ug/L
⌈	Mo	98	42.945	0.00	0.0270	0.005	17.591	ug/L
|	Ag	107	109172.449	0.30	24.2753	0.589	2.425	ug/L
|	Cd	114	25923.762	0.07	24.3800	0.781	3.203	ug/L
|>	In	115	362976.087	362976.09				ug/L
|	Sn	118	1137.531	0.00	0.2793	0.009	3.045	ug/L
⌊	Sb	123	91940.051	0.25	24.9204	0.696	2.794	ug/L
⌈	Ba	135	41812.656	0.08	24.5589	0.327	1.332	ug/L
|	Ce	140	403.382	0.00				ug/L
⌊>	Tb	159	504383.350	504383.35				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	186327.893	0.38	26.9196	0.503	1.870	ug/L
|	Tl	205	456907.579	0.93	26.6953	0.801	3.002	ug/L
|	Pb	206	158608.138	0.32	28.0888	0.646	2.298	ug/L
|	Pb	207	136540.334	0.28	25.7041	0.829	3.225	ug/L
|	Pb	208	634790.259	1.29	26.9018	0.360	1.339	ug/L
|	U	238	944578.784	1.92	27.2363	0.610	2.239	ug/L
⌊>	Bi	209	492674.845	492674.85				ug/L

Sample ID: LCSW 23 WG356896-05
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⌈	Na	23	101341.057	0.27	0.0109	0.000	3.262	mg/L
|	Mg	24	49872.433	0.16	0.0097	0.000	3.144	mg/L
|	K	39	638247.527	0.21	0.0026	0.000	11.731	mg/L
|	Ca	43	800.112	0.00	0.0315	0.003	10.754	mg/L
|	Fe	54	97831.131	0.16	0.0818	0.006	7.740	mg/L
|	Fe	57	10569.977	0.01	0.0103	0.001	10.859	mg/L
⌊>	Sc-1	45	305925.898	305925.90				mg/L
	Cl	35	261965.813	242949.74				mg/L
	Kr	83	47.334	-13.33				mg/L
	Br	81	8590.357	-20.02				mg/L
	P	31	23837.358	10441.46				mg/L
	S	34	236513.255	48532.28				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.134			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.472			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		100.294			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.272			
⌈	Na	23					

Sample ID: LCSW 23 WG356896-05
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 23 WG356896-05
Report Date/Time: Tuesday, February 22, 2011 14:38:13

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102040202

Sample Date/Time: Tuesday, February 22, 2011 14:42:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 36
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20888.654	0.01				ug/L
|	Be	9	8.667	0.00	-0.0200	0.012	62.452	ug/L
|	Al	27	269621.962	0.93	46.3405	6.007	12.963	ug/L
⌊>	Sc	45	287782.283	287782.28				ug/L
⌈	Ti	49	613.417	0.00	1.0205	0.549	53.790	ug/L
|	V	51	3284.280	0.00	0.1209	0.008	6.450	ug/L
|	Cr	52	10165.599	0.01	0.3610	0.021	5.856	ug/L
|	Cr	53	453.389	0.00	0.3570	0.069	19.201	ug/L
|	Mn	55	67610.148	0.15	5.7455	0.057	0.992	ug/L
|	Co	59	771.037	0.00	0.0736	0.002	2.302	ug/L
|	Ni	60	715.033	0.00	0.3599	0.022	6.188	ug/L
|	Cu	65	454.682	0.00	0.1564	0.005	3.210	ug/L
|	Zn	66	4207.594	0.01	2.9725	0.033	1.124	ug/L
|>	Ge	72	443273.191	443273.19				ug/L
|	As	75	-91.706	0.00	0.0582	0.045	77.370	ug/L
|	Se	77	54.667	-0.00	-0.2120	0.105	49.547	ug/L
|	Se	82	7.296	0.00	0.0976	0.072	73.625	ug/L
⌊	Rb	85	2046.230	0.00				mg/L
	Y	89	279400.352	-68381.83				ug/L
	Rh	103	13.000	2.67				ug/L
⌈	Mo	98	42.461	0.00	0.0269	0.002	6.206	ug/L
|	Ag	107	24.667	-0.00	0.0026	0.001	48.991	ug/L
|	Cd	114	4.187	-0.00	-0.0027	0.004	130.366	ug/L
|>	In	115	359683.251	359683.25				ug/L
|	Sn	118	125.867	0.00	0.0164	0.000	2.851	ug/L
⌊	Sb	123	72.577	0.00	0.0150	0.001	8.153	ug/L
⌈	Ba	135	6214.993	0.01	3.7958	0.030	0.784	ug/L
|	Ce	140	5982.388	0.01				ug/L
⌊>	Tb	159	486503.026	486503.03				ug/L
⌈	Ho	165	53.339	0.00				ug/L
|	Tl	203	58.001	0.00	0.0066	0.003	40.638	ug/L
|	Tl	205	123.346	0.00	0.0165	0.003	16.053	ug/L
|	Pb	206	843.711	0.00	0.0869	0.005	6.292	ug/L
|	Pb	207	740.702	0.00	0.0917	0.001	1.187	ug/L
|	Pb	208	3392.261	0.00	0.0869	0.002	2.378	ug/L
|	U	238	272.340	0.00	0.0066	0.000	4.194	ug/L
⌊>	Bi	209	474194.487	474194.49				ug/L

Sample ID: L1102040202
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⌈	Na	23	4060798.693	14.05	0.7432	0.024	3.250	mg/L
|	Mg	24	1298127.807	4.51	0.3756	0.013	3.575	mg/L
|	K	39	1923769.221	4.80	0.1677	0.002	1.104	mg/L
|	Ca	43	13280.142	0.05	0.7282	0.019	2.593	mg/L
|	Fe	54	132148.250	0.30	0.1496	0.010	6.586	mg/L
|	Fe	57	23259.361	0.05	0.0652	0.003	5.226	mg/L
⌊>	Sc-1	45	287782.283	287782.28				mg/L
	Cl	35	40857.976	21841.91				mg/L
	Kr	83	42.667	-18.00				mg/L
	Br	81	9152.187	541.81				mg/L
	P	31	22240.769	8844.87				mg/L
	S	34	216767.000	28786.02				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.833			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		91.633			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.738			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.548			
⌈	Na	23					

Sample ID: L1102040202
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102040202
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Method 6020 - Summary Report

Sample ID: L1102040207 WG356896-01

Sample Date/Time: Tuesday, February 22, 2011 14:49:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 37
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22441.872	0.02				ug/L
|	Be	9	9.333	0.00	-0.0178	0.020	114.069	ug/L
|	Al	27	214459.249	0.73	36.2411	0.997	2.750	ug/L
⌊>	Sc	45	291693.187	291693.19				ug/L
⌈	Ti	49	503.396	0.00	0.8442	0.101	12.017	ug/L
|	V	51	3043.027	0.00	0.0999	0.014	14.147	ug/L
|	Cr	52	10344.118	0.01	0.4078	0.021	5.095	ug/L
|	Cr	53	483.394	0.00	0.3987	0.080	20.125	ug/L
|	Mn	55	54852.930	0.13	4.7348	0.074	1.557	ug/L
|	Co	59	631.360	0.00	0.0598	0.002	2.745	ug/L
|	Ni	60	653.695	0.00	0.3344	0.022	6.537	ug/L
|	Cu	65	381.011	0.00	0.1232	0.029	23.286	ug/L
|	Zn	66	2926.791	0.01	1.9323	0.079	4.064	ug/L
| >	Ge	72	435708.330	435708.33				ug/L
|	As	75	-127.782	0.00	0.0194	0.023	120.727	ug/L
|	Se	77	60.667	0.00	-0.1098	0.228	207.694	ug/L
|	Se	82	2.246	0.00	0.0422	0.092	216.959	ug/L
⌊	Rb	85	1845.189	0.00				mg/L
	Y	89	277299.800	-70482.38				ug/L
	Rh	103	9.000	-1.33				ug/L
⌈	Mo	98	50.238	0.00	0.0305	0.006	18.845	ug/L
|	Ag	107	31.334	-0.00	0.0042	0.000	5.728	ug/L
|	Cd	114	8.483	0.00	0.0014	0.002	118.694	ug/L
| >	In	115	355784.823	355784.82				ug/L
|	Sn	118	130.534	0.00	0.0180	0.004	20.307	ug/L
⌊	Sb	123	440.254	0.00	0.1168	0.006	4.868	ug/L
⌈	Ba	135	5639.313	0.01	3.4503	0.025	0.732	ug/L
|	Ce	140	4087.913	0.01				ug/L
⌊>	Tb	159	485804.858	485804.86				ug/L
⌈	Ho	165	50.005	0.00				ug/L
|	Tl	203	38.667	0.00	0.0037	0.000	8.315	ug/L
|	Tl	205	63.340	0.00	0.0129	0.002	18.225	ug/L
|	Pb	206	640.694	0.00	0.0497	0.006	11.639	ug/L
|	Pb	207	573.356	0.00	0.0592	0.002	3.166	ug/L
|	Pb	208	2643.832	0.00	0.0542	0.003	5.261	ug/L
|	U	238	247.339	0.00	0.0059	0.001	21.087	ug/L
⌊>	Bi	209	472951.133	472951.13				ug/L

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⌈	Na	23	4404277.147	15.03	0.7957	0.020	2.508	mg/L
|	Mg	24	1538214.080	5.27	0.4398	0.022	4.926	mg/L
|	K	39	1929805.276	4.74	0.1652	0.005	2.739	mg/L
|	Ca	43	14381.778	0.05	0.7787	0.028	3.558	mg/L
|	Fe	54	118297.313	0.24	0.1235	0.012	9.414	mg/L
|	Fe	57	20643.365	0.04	0.0533	0.003	6.249	mg/L
⌊>	Sc-1	45	291693.187	291693.19				mg/L
	Cl	35	31737.635	12721.56				mg/L
	Kr	83	48.334	-12.33				mg/L
	Br	81	8821.223	210.85				mg/L
	P	31	20814.360	7418.46				mg/L
	S	34	204885.001	16904.02				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
| >	Ge	72		83.385			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
| >	In	115		90.640			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		96.600			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		95.298			
⌈	Na	23					

Sample ID: L1102040207 WG356896-01
Report Date/Time: Tuesday, February 22, 2011 14:51:44
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102040208S WG356896-06

Sample Date/Time: Tuesday, February 22, 2011 14:56:18
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 38
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24346.311	0.02				ug/L
|	Be	9	7251.964	0.02	28.3344	1.206	4.258	ug/L
|	Al	27	559587.097	1.87	93.6163	18.150	19.388	ug/L
⌊>	Sc	45	297614.604	297614.60				ug/L
⌈	Ti	49	740.103	0.00	1.2618	0.347	27.492	ug/L
|	V	51	244427.881	0.56	27.5288	0.511	1.857	ug/L
|	Cr	52	213414.970	0.47	27.6270	0.364	1.318	ug/L
|	Cr	53	24388.857	0.06	27.3013	1.322	4.842	ug/L
|	Mn	55	378156.124	0.87	32.9655	0.680	2.062	ug/L
|	Co	59	255233.251	0.59	27.8186	0.393	1.414	ug/L
|	Ni	60	54209.822	0.12	28.2950	0.956	3.378	ug/L
|	Cu	65	56455.852	0.13	28.5138	0.718	2.518	ug/L
|	Zn	66	33183.979	0.08	28.0263	0.619	2.209	ug/L
|>	Ge	72	434744.547	434744.55				ug/L
|	As	75	23048.855	0.05	24.1681	0.145	0.601	ug/L
|	Se	77	1616.797	0.00	22.6107	0.392	1.734	ug/L
|	Se	82	1964.836	0.00	22.3499	0.129	0.577	ug/L
⌊	Rb	85	2029.560	0.00				mg/L
	Y	89	278622.477	-69159.71				ug/L
	Rh	103	17.667	7.33				ug/L
⌈	Mo	98	52.799	0.00	0.0315	0.003	11.073	ug/L
|	Ag	107	106867.864	0.30	24.1845	0.746	3.085	ug/L
|	Cd	114	26512.583	0.07	25.3772	0.830	3.269	ug/L
|>	In	115	356587.829	356587.83				ug/L
|	Sn	118	170.535	0.00	0.0285	0.002	6.461	ug/L
⌊	Sb	123	90021.874	0.25	24.8277	0.296	1.191	ug/L
⌈	Ba	135	45136.420	0.09	26.9429	0.179	0.665	ug/L
|	Ce	140	4294.686	0.01				ug/L
⌊>	Tb	159	496259.242	496259.24				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	176746.110	0.37	26.3871	0.500	1.896	ug/L
|	Tl	205	432136.865	0.91	26.0860	0.439	1.682	ug/L
|	Pb	206	149419.124	0.31	27.3377	0.523	1.912	ug/L
|	Pb	207	135736.768	0.28	26.3960	0.907	3.434	ug/L
|	Pb	208	624155.526	1.31	27.3308	0.518	1.895	ug/L
|	U	238	960486.788	2.01	28.6116	0.866	3.026	ug/L
⌊>	Bi	209	476773.343	476773.34				ug/L

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Erin D. Long

⌈	Na	23	4740566.517	15.87	0.8401	0.032	3.817	mg/L
|	Mg	24	1420232.280	4.77	0.3977	0.015	3.768	mg/L
|	K	39	1965940.403	4.73	0.1649	0.006	3.800	mg/L
|	Ca	43	12539.113	0.04	0.6639	0.012	1.757	mg/L
|	Fe	54	128843.056	0.27	0.1368	0.002	1.252	mg/L
|	Fe	57	23329.569	0.05	0.0623	0.004	6.785	mg/L
⌊>	Sc-1	45	297614.604	297614.60				mg/L
	Cl	35	71451.714	52435.64				mg/L
	Kr	83	44.334	-16.33				mg/L
	Br	81	10836.540	2226.16				mg/L
	P	31	21945.762	8549.86				mg/L
	S	34	195583.855	7602.88				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.200			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.845			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.678			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		96.068			
⌈	Na	23					

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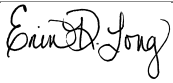

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102040209SD WG356896-07

Sample Date/Time: Tuesday, February 22, 2011 15:03:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 39
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22926.268	0.02				ug/L
|	Be	9	7562.863	0.02	28.9059	1.570	5.432	ug/L
|	Al	27	382359.504	1.25	62.3159	4.169	6.691	ug/L
⌊>	Sc	45	304278.282	304278.28				ug/L
⌈	Ti	49	370.044	0.00	0.6004	0.020	3.376	ug/L
|	V	51	247121.506	0.55	27.3569	0.895	3.271	ug/L
|	Cr	52	221543.200	0.48	28.2161	0.825	2.924	ug/L
|	Cr	53	25792.469	0.06	28.3883	0.225	0.791	ug/L
|	Mn	55	390074.233	0.88	33.4270	0.299	0.894	ug/L
|	Co	59	265450.750	0.60	28.4411	0.158	0.555	ug/L
|	Ni	60	56133.749	0.13	28.7974	0.694	2.411	ug/L
|	Cu	65	57882.361	0.13	28.7324	0.485	1.687	ug/L
|	Zn	66	34125.806	0.08	28.3381	0.070	0.246	ug/L
|>	Ge	72	442252.448	442252.45				ug/L
|	As	75	23497.630	0.05	24.2195	0.164	0.679	ug/L
|	Se	77	1685.475	0.00	23.2004	0.985	4.245	ug/L
|	Se	82	2007.190	0.00	22.4454	0.416	1.854	ug/L
⌊	Rb	85	1895.199	0.00				mg/L
	Y	89	280310.428	-67471.76				ug/L
	Rh	103	17.667	7.33				ug/L
⌈	Mo	98	56.571	0.00	0.0321	0.001	4.379	ug/L
|	Ag	107	108311.386	0.29	23.5330	0.728	3.092	ug/L
|	Cd	114	27134.759	0.07	24.9329	0.671	2.690	ug/L
|>	In	115	371369.295	371369.29				ug/L
|	Sn	118	204.935	0.00	0.0355	0.003	8.368	ug/L
⌊	Sb	123	93996.653	0.25	24.8911	0.241	0.967	ug/L
⌈	Ba	135	46892.830	0.09	27.0144	0.316	1.171	ug/L
|	Ce	140	4354.724	0.01				ug/L
⌊>	Tb	159	514228.242	514228.24				ug/L
⌈	Ho	165	40.004	0.00				ug/L
|	Tl	203	186129.019	0.37	26.3924	0.756	2.865	ug/L
|	Tl	205	466342.988	0.93	26.7387	1.047	3.917	ug/L
|	Pb	206	158670.206	0.32	27.5693	0.448	1.626	ug/L
|	Pb	207	136959.276	0.27	25.2932	0.614	2.429	ug/L
|	Pb	208	642960.891	1.28	26.7375	0.611	2.285	ug/L
|	U	238	992303.315	1.98	28.0652	0.739	2.634	ug/L
⌊>	Bi	209	502115.226	502115.23				ug/L

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⌈	Na	23	4484226.338	14.68	0.7767	0.030	3.922	mg/L
|	Mg	24	1391676.051	4.57	0.3810	0.012	3.254	mg/L
|	K	39	1894698.714	4.35	0.1513	0.002	1.432	mg/L
|	Ca	43	12422.298	0.04	0.6428	0.024	3.667	mg/L
|	Fe	54	128052.821	0.26	0.1311	0.009	6.866	mg/L
|	Fe	57	21712.385	0.04	0.0540	0.003	5.238	mg/L
⌊>	Sc-1	45	304278.282	304278.28				mg/L
	Cl	35	156659.522	137643.45				mg/L
	Kr	83	43.001	-17.67				mg/L
	Br	81	11892.402	3282.03				mg/L
	P	31	22258.765	8862.86				mg/L
	S	34	216552.795	28571.82				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.637			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.610			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.251			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.174			
⌈	Na	23					

Sample ID: L1102040209SD WG356896-07
Report Date/Time: Tuesday, February 22, 2011 15:05:16
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102040209SD WG356896-07
Report Date/Time: Tuesday, February 22, 2011 15:05:16
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102040214

Sample Date/Time: Tuesday, February 22, 2011 15:09:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 40
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21088.967	0.01				ug/L
|	Be	9	11.333	0.00	-0.0096	0.011	116.416	ug/L
|	Al	27	183712.805	0.62	30.9103	1.420	4.593	ug/L
⌊>	Sc	45	291903.198	291903.20				ug/L
⌈	Ti	49	306.702	0.00	0.4895	0.004	0.830	ug/L
|	V	51	2990.974	0.00	0.0882	0.009	10.455	ug/L
|	Cr	52	9948.379	0.01	0.3324	0.005	1.480	ug/L
|	Cr	53	483.393	0.00	0.3897	0.028	7.229	ug/L
|	Mn	55	90856.869	0.20	7.7358	0.048	0.618	ug/L
|	Co	59	588.023	0.00	0.0540	0.003	6.151	ug/L
|	Ni	60	515.685	0.00	0.2580	0.006	2.294	ug/L
|	Cu	65	449.015	0.00	0.1537	0.003	2.082	ug/L
|	Zn	66	2394.977	0.00	1.4403	0.052	3.578	ug/L
| >	Ge	72	443214.470	443214.47				ug/L
|	As	75	-98.996	0.00	0.0513	0.029	55.900	ug/L
|	Se	77	54.000	-0.00	-0.2215	0.152	68.746	ug/L
|	Se	82	11.626	0.00	0.1470	0.098	66.385	ug/L
⌊	Rb	85	1612.479	0.00				mg/L
	Y	89	274490.016	-73292.17				ug/L
	Rh	103	13.667	3.33				ug/L
⌈	Mo	98	36.685	0.00	0.0240	0.001	3.620	ug/L
|	Ag	107	23.667	-0.00	0.0023	0.000	12.712	ug/L
|	Cd	114	4.940	0.00	-0.0022	0.001	49.961	ug/L
| >	In	115	369986.417	369986.42				ug/L
|	Sn	118	146.801	0.00	0.0208	0.002	11.057	ug/L
⌊	Sb	123	122.200	0.00	0.0276	0.002	7.682	ug/L
⌈	Ba	135	6095.586	0.01	3.6522	0.076	2.079	ug/L
|	Ce	140	3174.154	0.01				ug/L
⌊>	Tb	159	495910.379	495910.38				ug/L
⌈	Ho	165	63.340	0.00				ug/L
|	Tl	203	29.000	0.00	0.0021	0.001	50.833	ug/L
|	Tl	205	40.004	0.00	0.0113	0.001	5.195	ug/L
|	Pb	206	622.026	0.00	0.0423	0.002	5.577	ug/L
|	Pb	207	526.686	0.00	0.0465	0.002	5.204	ug/L
|	Pb	208	2536.155	0.00	0.0455	0.002	4.679	ug/L
|	U	238	158.336	0.00	0.0030	0.001	26.686	ug/L
⌊>	Bi	209	490076.939	490076.94				ug/L

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⌈	Na	23	5464690.519	18.69	0.9900	0.074	7.511	mg/L
|	Mg	24	1577660.949	5.41	0.4513	0.021	4.620	mg/L
|	K	39	2113458.339	5.37	0.1879	0.011	5.761	mg/L
|	Ca	43	14605.456	0.05	0.7910	0.031	3.914	mg/L
|	Fe	54	139165.474	0.32	0.1583	0.008	5.244	mg/L
|	Fe	57	27152.897	0.07	0.0797	0.003	3.561	mg/L
⌊>	Sc-1	45	291903.198	291903.20				mg/L
	Cl	35	62015.060	42998.99				mg/L
	Kr	83	43.001	-17.67				mg/L
	Br	81	10079.078	1468.70				mg/L
	P	31	20943.284	7547.38				mg/L
	S	34	219668.323	31687.35				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.821			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		94.258			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		98.609			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		98.749			
⌈	Na	23					

Sample ID: L1102040214
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102040217

Sample Date/Time: Tuesday, February 22, 2011 15:16:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 41
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23227.311	0.02				ug/L
|	Be	9	8.667	0.00	-0.0208	0.020	95.932	ug/L
|	Al	27	207327.822	0.69	34.5276	1.736	5.027	ug/L
⌊>	Sc	45	296037.169	296037.17				ug/L
⌈	Ti	49	383.379	0.00	0.6204	0.086	13.837	ug/L
|	V	51	2880.742	0.00	0.0756	0.003	4.451	ug/L
|	Cr	52	10134.901	0.01	0.3555	0.011	3.057	ug/L
|	Cr	53	540.069	0.00	0.4529	0.138	30.428	ug/L
|	Mn	55	89628.805	0.20	7.6226	0.025	0.326	ug/L
|	Co	59	537.687	0.00	0.0485	0.003	6.722	ug/L
|	Ni	60	635.360	0.00	0.3188	0.016	5.107	ug/L
|	Cu	65	1321.767	0.00	0.5863	0.013	2.191	ug/L
|	Zn	66	5968.869	0.01	4.4502	0.708	15.904	ug/L
|>	Ge	72	443716.327	443716.33				ug/L
|	As	75	-157.520	0.00	-0.0081	0.044	549.330	ug/L
|	Se	77	62.000	0.00	-0.1061	0.097	91.575	ug/L
|	Se	82	-4.078	0.00	-0.0276	0.109	396.038	ug/L
⌊	Rb	85	1639.151	0.00				mg/L
	Y	89	275641.318	-72140.87				ug/L
	Rh	103	12.333	2.00				ug/L
⌈	Mo	98	56.603	0.00	0.0324	0.003	10.120	ug/L
|	Ag	107	31.334	-0.00	0.0040	0.001	18.719	ug/L
|	Cd	114	-0.310	-0.00	-0.0070	0.006	91.260	ug/L
|>	In	115	366945.296	366945.30				ug/L
|	Sn	118	634.820	0.00	0.1467	0.012	8.358	ug/L
⌊	Sb	123	68.952	0.00	0.0136	0.002	13.916	ug/L
⌈	Ba	135	5970.842	0.01	3.5011	0.139	3.958	ug/L
|	Ce	140	3087.452	0.01				ug/L
⌊>	Tb	159	507174.477	507174.48				ug/L
⌈	Ho	165	46.671	0.00				ug/L
|	Tl	203	22.000	0.00	0.0010	0.000	40.894	ug/L
|	Tl	205	46.672	0.00	0.0117	0.002	20.582	ug/L
|	Pb	206	638.027	0.00	0.0453	0.003	7.283	ug/L
|	Pb	207	534.020	0.00	0.0481	0.003	6.032	ug/L
|	Pb	208	2475.478	0.00	0.0431	0.002	4.941	ug/L
|	U	238	141.336	0.00	0.0026	0.000	9.509	ug/L
⌊>	Bi	209	489345.504	489345.50				ug/L

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Na	23	5440750.400	18.33	0.9707	0.042	4.318	mg/L	
Mg	24	1596352.033	5.40	0.4502	0.025	5.537	mg/L	
K	39	2077945.764	5.14	0.1798	0.006	3.556	mg/L	
Ca	43	15002.755	0.05	0.8006	0.011	1.399	mg/L	
Fe	54	134713.265	0.29	0.1476	0.005	3.107	mg/L	
Fe	57	27169.573	0.06	0.0783	0.003	3.338	mg/L	
> Sc-1	45	296037.169	296037.17				mg/L	
Cl	35	81386.798	62370.73				mg/L	
Kr	83	47.334	-13.33				mg/L	
Br	81	9381.077	770.70				mg/L	
P	31	24949.328	11553.43				mg/L	
S	34	215290.493	27309.52				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		84.917			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		93.483			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		100.849			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		98.601			
Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102040217
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Method 6020 - Summary Report

Sample ID: L1102040217PS WG356974-01

Sample Date/Time: Tuesday, February 22, 2011 15:23:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 42
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20320.653	0.01				ug/L
|	Be	9	14216.766	0.05	58.3654	2.482	4.253	ug/L
|	Al	27	495182.613	1.74	86.7627	7.240	8.344	ug/L
⌊>	Sc	45	283756.857	283756.86				ug/L
⌈	Ti	49	410.049	0.00	0.6857	0.020	2.874	ug/L
|	V	51	469311.887	1.08	53.3682	0.889	1.666	ug/L
|	Cr	52	407628.545	0.93	53.9500	0.450	0.834	ug/L
|	Cr	53	46767.107	0.11	52.7719	0.274	0.519	ug/L
|	Mn	55	701750.483	1.62	61.5420	0.998	1.621	ug/L
|	Co	59	490234.460	1.13	53.7311	1.044	1.943	ug/L
|	Ni	60	102262.595	0.24	53.6639	0.260	0.485	ug/L
|	Cu	65	106839.484	0.25	54.3145	0.979	1.803	ug/L
|	Zn	66	58048.579	0.13	49.7369	0.661	1.329	ug/L
| >	Ge	72	432402.609	432402.61				ug/L
|	As	75	44714.351	0.10	46.9922	0.514	1.093	ug/L
|	Se	77	2977.111	0.01	42.6992	2.483	5.815	ug/L
|	Se	82	3841.083	0.01	43.9145	1.440	3.278	ug/L
⌊	Rb	85	1631.483	0.00				mg/L
	Y	89	274034.446	-73747.74				ug/L
	Rh	103	26.000	15.67				ug/L
⌈	Mo	98	44.274	0.00	0.0284	0.002	7.454	ug/L
|	Ag	107	206828.199	0.60	48.1677	0.904	1.876	ug/L
|	Cd	114	50411.676	0.15	49.6600	0.872	1.756	ug/L
| >	In	115	346509.864	346509.86				ug/L
|	Sn	118	672.556	0.00	0.1666	0.003	1.536	ug/L
⌊	Sb	123	177445.602	0.51	50.3797	1.339	2.658	ug/L
⌈	Ba	135	82200.758	0.17	51.7405	0.773	1.494	ug/L
|	Ce	140	2804.010	0.01				ug/L
⌊>	Tb	159	470455.883	470455.88				ug/L
⌈	Ho	165	60.006	0.00				ug/L
|	Tl	203	336873.487	0.74	52.4217	1.948	3.715	ug/L
|	Tl	205	832480.611	1.82	52.3615	1.496	2.858	ug/L
|	Pb	206	280843.693	0.61	53.6214	1.959	3.652	ug/L
|	Pb	207	245901.879	0.54	49.8910	1.918	3.845	ug/L
|	Pb	208	1148730.170	2.51	52.4850	1.898	3.617	ug/L
|	U	238	1756730.398	3.84	54.5253	1.190	2.183	ug/L
⌊>	Bi	209	457712.196	457712.20				ug/L

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⌈	Na	23	5100702.032	17.91	0.9487	0.006	0.624	mg/L
|	Mg	24	1500145.504	5.29	0.4413	0.019	4.360	mg/L
|	K	39	1957847.217	5.03	0.1757	0.010	5.455	mg/L
|	Ca	43	13390.298	0.05	0.7458	0.039	5.195	mg/L
|	Fe	54	133340.182	0.31	0.1550	0.007	4.837	mg/L
|	Fe	57	24966.978	0.06	0.0739	0.006	8.660	mg/L
⌊>	Sc-1	45	283756.857	283756.86				mg/L
	Cl	35	77029.570	58013.50				mg/L
	Kr	83	43.334	-17.33				mg/L
	Br	81	8893.954	283.58				mg/L
	P	31	20781.121	7385.22				mg/L
	S	34	185388.858	-2592.12				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		82.752			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.277			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		93.548			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		92.227			
⌈	Na	23					

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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102040217PS WG356974-01
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Method 6020 - Summary Report

Sample ID: L1102040217SDL WG356974-02

Sample Date/Time: Tuesday, February 22, 2011 15:30:11
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 43
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20053.456	0.01				ug/L
|	Be	9	8.000	0.00	-0.0217	0.022	101.463	ug/L
|	Al	27	49976.229	0.17	8.4858	1.385	16.321	ug/L
⌊>	Sc	45	277772.133	277772.13				ug/L
⌈	Ti	49	123.347	0.00	0.1753	0.081	46.213	ug/L
|	V	51	2247.190	0.00	0.0086	0.003	30.455	ug/L
|	Cr	52	7592.958	0.00	0.0359	0.024	67.701	ug/L
|	Cr	53	330.039	0.00	0.2250	0.055	24.516	ug/L
|	Mn	55	17499.143	0.04	1.4760	0.051	3.489	ug/L
|	Co	59	153.003	0.00	0.0077	0.002	25.699	ug/L
|	Ni	60	284.340	0.00	0.1414	0.010	7.386	ug/L
|	Cu	65	360.010	0.00	0.1118	0.006	5.540	ug/L
|	Zn	66	3184.205	0.01	2.1425	0.010	0.464	ug/L
|>	Ge	72	437513.971	437513.97				ug/L
|	As	75	-90.363	0.00	0.0587	0.010	16.713	ug/L
|	Se	77	55.333	-0.00	-0.1918	0.077	40.302	ug/L
|	Se	82	7.603	0.00	0.1019	0.098	96.546	ug/L
⌊	Rb	85	335.676	0.00				mg/L
	Y	89	271783.962	-75998.22				ug/L
	Rh	103	11.000	0.67				ug/L
⌈	Mo	98	20.009	0.00	0.0178	0.000	1.828	ug/L
|	Ag	107	25.334	-0.00	0.0030	0.000	9.434	ug/L
|	Cd	114	0.537	-0.00	-0.0062	0.003	48.928	ug/L
|>	In	115	345624.426	345624.43				ug/L
|	Sn	118	179.602	0.00	0.0324	0.003	8.626	ug/L
⌊	Sb	123	377.878	0.00	0.1026	0.012	11.606	ug/L
⌈	Ba	135	1175.081	0.00	0.7594	0.019	2.540	ug/L
|	Ce	140	606.746	0.00				ug/L
⌊>	Tb	159	466341.972	466341.97				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	21.667	0.00	0.0012	0.001	48.723	ug/L
|	Tl	205	53.339	0.00	0.0124	0.001	11.030	ug/L
|	Pb	206	402.679	0.00	0.0086	0.004	48.016	ug/L
|	Pb	207	360.343	0.00	0.0202	0.004	20.523	ug/L
|	Pb	208	1632.069	0.00	0.0122	0.004	31.064	ug/L
|	U	238	75.334	0.00	0.0008	0.000	17.056	ug/L
⌊>	Bi	209	455560.722	455560.72				ug/L

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⌈	Na	23	1043910.071	3.69	0.1930	0.007	3.465	mg/L
|	Mg	24	310542.538	1.12	0.0900	0.001	0.756	mg/L
|	K	39	849741.018	1.18	0.0375	0.000	0.563	mg/L
|	Ca	43	3040.768	0.01	0.1650	0.016	9.920	mg/L
|	Fe	54	56622.532	0.04	0.0254	0.004	14.008	mg/L
|	Fe	57	9598.901	0.01	0.0103	0.002	17.067	mg/L
⌊>	Sc-1	45	277772.133	277772.13				mg/L
	Cl	35	28724.530	9708.46				mg/L
	Kr	83	45.667	-15.00				mg/L
	Br	81	6919.060	-1691.32				mg/L
	P	31	12576.601	-819.30				mg/L
	S	34	173117.845	-14863.13				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.730			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.051			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.730			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		91.794			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102040217SDL WG356974-02
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 15:36:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18016.558	0.01				ug/L
|	Be	9	13208.061	0.05	55.6741	2.186	3.927	ug/L
|	Al	27	284855.267	1.03	51.1820	4.783	9.346	ug/L
⌊>	Sc	45	276235.252	276235.25				ug/L
⌈	Ti	49	58372.364	0.13	101.5154	1.461	1.439	ug/L
|	V	51	450821.953	1.02	50.3843	1.233	2.448	ug/L
|	Cr	52	384974.181	0.86	50.0205	1.154	2.307	ug/L
|	Cr	53	44968.765	0.10	49.8758	1.767	3.543	ug/L
|	Mn	55	567533.202	1.29	48.9095	0.809	1.654	ug/L
|	Co	59	453578.986	1.03	48.8606	0.369	0.755	ug/L
|	Ni	60	96817.136	0.22	49.9431	1.022	2.046	ug/L
|	Cu	65	99705.714	0.23	49.8125	0.743	1.492	ug/L
|	Zn	66	60499.744	0.14	50.9661	0.599	1.175	ug/L
|>	Ge	72	439901.059	439901.06				ug/L
|	As	75	47381.935	0.11	48.9410	0.789	1.613	ug/L
|	Se	77	3456.598	0.01	48.8749	1.910	3.908	ug/L
|	Se	82	4384.540	0.01	49.2675	0.361	0.732	ug/L
⌊	Rb	85	1798.513	0.00				mg/L
	Y	89	282884.050	-64898.13				ug/L
	Rh	103	23.000	12.67				ug/L
⌈	Mo	98	219105.782	0.64	97.2211	0.419	0.431	ug/L
|	Ag	107	208466.277	0.61	49.0240	0.948	1.933	ug/L
|	Cd	114	50022.487	0.15	49.7501	1.062	2.135	ug/L
|>	In	115	343144.940	343144.94				ug/L
|	Sn	118	178027.800	0.52	48.9563	0.420	0.859	ug/L
⌊	Sb	123	174120.069	0.51	49.9076	0.430	0.861	ug/L
⌈	Ba	135	73307.801	0.16	47.7311	0.875	1.834	ug/L
|	Ce	140	50.005	0.00				ug/L
⌊>	Tb	159	454910.280	454910.28				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	311998.446	0.70	50.1638	2.137	4.260	ug/L
|	Tl	205	769874.523	1.74	50.0329	2.185	4.367	ug/L
|	Pb	206	250788.128	0.57	49.4584	1.510	3.053	ug/L
|	Pb	207	236885.676	0.53	49.6326	0.829	1.669	ug/L
|	Pb	208	1055309.270	2.38	49.7877	0.795	1.598	ug/L
|	U	238	1604168.863	3.62	51.4238	0.427	0.830	ug/L
⌊>	Bi	209	443009.071	443009.07				ug/L

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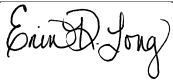
Na	23	27061779.340	98.10	5.2099	0.352	6.762	mg/L
Mg	24	17149464.261	62.14	5.2257	0.191	3.652	mg/L
K	39	40576148.093	145.33	5.2138	0.377	7.233	mg/L
Ca	43	88895.705	0.32	5.1493	0.335	6.500	mg/L
Fe	54	2831074.528	10.10	4.9169	0.262	5.328	mg/L
Fe	57	1141313.288	4.11	4.8835	0.377	7.719	mg/L
> Sc-1	45	276235.252	276235.25				mg/L
Cl	35	18555.874	-460.20				mg/L
Kr	83	56.334	-4.33				mg/L
Br	81	6905.051	-1705.32				mg/L
P	31	11170.302	-2225.60				mg/L
S	34	211652.458	23671.48				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	100.769				
Cr	52	100.041				
Cr	53					
Mn	55	97.819				
Co	59	97.721				
Ni	60	99.886				
Cu	65	99.625				
Zn	66	101.932				
> Ge	72		84.187			
As	75	97.882				
Se	77					
Se	82	98.535				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	98.048				
Cd	114	99.500				
> In	115		87.420			
Sn	118					
Sb	123	99.815				
Ba	135	95.462				
Ce	140					
> Tb	159		90.456			
Ho	165					
Tl	203	100.328				
Tl	205					
Pb	206					
Pb	207					
Pb	208	99.575				
U	238	102.848				
> Bi	209		89.265			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 15:39:11

Approved: February 23, 2011



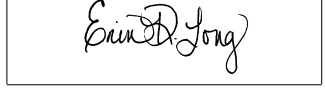
Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 15:39:11

Approved: February 23, 2011



Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 15:44:14
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17248.198	0.00				ug/L
|	Be	9	7.333	0.00	-0.0254	0.023	90.386	ug/L
|	Al	27	3167.172	0.00	0.0365	0.087	237.173	ug/L
⌊>	Sc	45	286158.748	286158.75				ug/L
⌈	Ti	49	56.673	0.00	0.0584	0.028	47.508	ug/L
|	V	51	2095.662	-0.00	-0.0108	0.009	85.490	ug/L
|	Cr	52	7057.227	-0.00	-0.0449	0.022	48.939	ug/L
|	Cr	53	186.687	-0.00	0.0626	0.015	23.326	ug/L
|	Mn	55	316.342	0.00	-0.0150	0.002	13.314	ug/L
|	Co	59	52.667	0.00	-0.0032	0.000	15.158	ug/L
|	Ni	60	40.000	-0.00	0.0144	0.003	23.403	ug/L
|	Cu	65	105.335	0.00	-0.0168	0.006	34.689	ug/L
|	Zn	66	512.352	0.00	-0.1511	0.014	8.969	ug/L
|>	Ge	72	441985.881	441985.88				ug/L
|	As	75	-115.724	0.00	0.0337	0.004	12.024	ug/L
|	Se	77	57.334	0.00	-0.1684	0.240	142.786	ug/L
|	Se	82	3.936	0.00	0.0605	0.033	55.089	ug/L
⌊	Rb	85	21.000	0.00				mg/L
	Y	89	282836.479	-64945.70				ug/L
	Rh	103	12.000	1.67				ug/L
⌈	Mo	98	104.759	0.00	0.0561	0.002	3.913	ug/L
|	Ag	107	22.000	-0.00	0.0024	0.000	17.085	ug/L
|	Cd	114	2.136	-0.00	-0.0046	0.006	124.389	ug/L
|>	In	115	338270.745	338270.75				ug/L
|	Sn	118	232.536	0.00	0.0484	0.008	17.551	ug/L
⌊	Sb	123	96.118	0.00	0.0231	0.002	7.374	ug/L
⌈	Ba	135	20.334	0.00	0.0268	0.003	12.962	ug/L
|	Ce	140	36.670	0.00				ug/L
⌊>	Tb	159	446813.681	446813.68				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	25.334	0.00	0.0018	0.001	52.212	ug/L
|	Tl	205	33.337	0.00	0.0111	0.000	3.019	ug/L
|	Pb	206	357.677	0.00	0.0006	0.001	207.840	ug/L
|	Pb	207	293.674	-0.00	0.0070	0.005	69.175	ug/L
|	Pb	208	1398.386	-0.00	0.0020	0.002	85.218	ug/L
|	U	238	72.334	0.00	0.0007	0.001	96.688	ug/L
⌊>	Bi	209	451310.406	451310.41				ug/L

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⌈	Na	23	18756.117	0.00	-0.0032	0.000	4.583	mg/L
|	Mg	24	523.399	0.00	-0.0039	0.000	0.541	mg/L
|	K	39	551544.415	0.05	-0.0030	0.004	132.964	mg/L
|	Ca	43	153.350	-0.00	-0.0018	0.003	178.336	mg/L
|	Fe	54	40092.509	-0.02	-0.0055	0.004	67.215	mg/L
|	Fe	57	6506.100	-0.00	-0.0037	0.001	21.315	mg/L
⌊>	Sc-1	45	286158.748	286158.75				mg/L
	Cl	35	17450.553	-1565.52				mg/L
	Kr	83	45.667	-15.00				mg/L
	Br	81	6736.272	-1874.10				mg/L
	P	31	10059.065	-3336.84				mg/L
	S	34	186281.996	-1698.98				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.586			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		86.178			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.846			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		90.937			
⌈	Na	23					

Sample ID: QC Std 7
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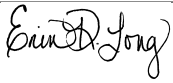

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 15:46:25

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102040220

Sample Date/Time: Tuesday, February 22, 2011 15:51:00
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 44
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19569.520	0.01				ug/L
|	Be	9	8.667	0.00	-0.0194	0.014	72.994	ug/L
|	Al	27	28657.688	0.09	4.4976	0.317	7.051	ug/L
⌊>	Sc	45	286090.232	286090.23				ug/L
⌈	Ti	49	60.006	0.00	0.0653	0.031	47.083	ug/L
|	V	51	2422.050	0.00	0.0293	0.007	22.374	ug/L
|	Cr	52	10355.129	0.01	0.4079	0.011	2.777	ug/L
|	Cr	53	480.060	0.00	0.3948	0.092	23.250	ug/L
|	Mn	55	6328.066	0.01	0.5085	0.021	4.111	ug/L
|	Co	59	118.002	0.00	0.0039	0.000	8.233	ug/L
|	Ni	60	250.672	0.00	0.1243	0.005	3.983	ug/L
|	Cu	65	241.339	0.00	0.0525	0.005	9.917	ug/L
|	Zn	66	2510.341	0.00	1.5723	0.114	7.277	ug/L
|>	Ge	72	436145.875	436145.88				ug/L
|	As	75	-134.457	0.00	0.0126	0.010	77.505	ug/L
|	Se	77	50.667	-0.00	-0.2558	0.143	55.786	ug/L
|	Se	82	-1.446	0.00	0.0003	0.080	31358.341	ug/L
⌊	Rb	85	72.334	0.00				mg/L
	Y	89	283792.282	-63989.90				ug/L
	Rh	103	8.667	-1.67				ug/L
⌈	Mo	98	65.019	0.00	0.0376	0.005	12.936	ug/L
|	Ag	107	46.667	0.00	0.0080	0.002	27.651	ug/L
|	Cd	114	3.718	-0.00	-0.0031	0.005	149.848	ug/L
|>	In	115	345423.549	345423.55				ug/L
|	Sn	118	318.405	0.00	0.0704	0.002	2.856	ug/L
⌊	Sb	123	108.535	0.00	0.0260	0.004	14.002	ug/L
⌈	Ba	135	117.669	0.00	0.0861	0.012	13.718	ug/L
|	Ce	140	506.730	0.00				ug/L
⌊>	Tb	159	478137.477	478137.48				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	29.000	0.00	0.0023	0.000	14.585	ug/L
|	Tl	205	86.676	0.00	0.0144	0.001	6.543	ug/L
|	Pb	206	442.348	0.00	0.0151	0.005	31.341	ug/L
|	Pb	207	400.012	0.00	0.0272	0.003	11.400	ug/L
|	Pb	208	1800.415	0.00	0.0189	0.001	2.900	ug/L
|	U	238	122.002	0.00	0.0022	0.001	27.095	ug/L
⌊>	Bi	209	461115.093	461115.09				ug/L

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Na	23	154516.728	0.48	0.0221	0.001	5.447	mg/L	
Mg	24	29690.352	0.10	0.0047	0.000	2.123	mg/L	
K	39	604564.963	0.24	0.0037	0.005	131.693	mg/L	
Ca	43	656.754	0.00	0.0265	0.006	21.120	mg/L	
Fe	54	92088.360	0.16	0.0831	0.009	10.675	mg/L	
Fe	57	8030.694	0.00	0.0027	0.002	84.258	mg/L	
> Sc-1	45	286090.232	286090.23				mg/L	
Cl	35	55098.733	36082.66				mg/L	
Kr	83	51.334	-9.33				mg/L	
Br	81	7277.314	-1333.06				mg/L	
P	31	22729.492	9333.59				mg/L	
S	34	185703.565	-2277.41				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		83.469			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		88.000			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		95.075			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		92.913			
Na	23					

Sample ID: L1102040220
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102040220
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102040223

Sample Date/Time: Tuesday, February 22, 2011 15:57:49
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 45
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20587.950	0.01				ug/L
|	Be	9	4.667	0.00	-0.0360	0.009	26.204	ug/L
|	Al	27	38758.428	0.13	6.2931	0.206	3.279	ug/L
⌊>	Sc	45	284319.802	284319.80				ug/L
⌈	Ti	49	66.674	0.00	0.0754	0.026	33.863	ug/L
|	V	51	2359.841	0.00	0.0191	0.009	45.688	ug/L
|	Cr	52	9849.614	0.01	0.3251	0.028	8.622	ug/L
|	Cr	53	433.386	0.00	0.3372	0.102	30.351	ug/L
|	Mn	55	3641.033	0.01	0.2709	0.008	3.047	ug/L
|	Co	59	97.335	0.00	0.0016	0.001	36.636	ug/L
|	Ni	60	174.337	0.00	0.0836	0.015	17.455	ug/L
|	Cu	65	191.337	0.00	0.0261	0.007	24.924	ug/L
|	Zn	66	1932.540	0.00	1.0554	0.054	5.090	ug/L
| >	Ge	72	441346.723	441346.72				ug/L
|	As	75	-97.980	0.00	0.0520	0.060	115.245	ug/L
|	Se	77	59.334	0.00	-0.1414	0.186	131.534	ug/L
|	Se	82	13.226	0.00	0.1654	0.154	92.851	ug/L
⌊	Rb	85	158.336	0.00				mg/L
	Y	89	290452.708	-57329.48				ug/L
	Rh	103	9.000	-1.33				ug/L
⌈	Mo	98	44.831	0.00	0.0284	0.002	7.867	ug/L
|	Ag	107	30.334	-0.00	0.0041	0.002	47.452	ug/L
|	Cd	114	8.389	0.00	0.0013	0.007	568.404	ug/L
| >	In	115	351789.822	351789.82				ug/L
|	Sn	118	195.069	0.00	0.0357	0.002	6.759	ug/L
⌊	Sb	123	89.619	0.00	0.0201	0.005	24.049	ug/L
⌈	Ba	135	119.002	0.00	0.0867	0.008	9.144	ug/L
|	Ce	140	326.705	0.00				ug/L
⌊>	Tb	159	480302.854	480302.85				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	25.000	0.00	0.0017	0.001	54.508	ug/L
|	Tl	205	73.341	0.00	0.0135	0.000	2.903	ug/L
|	Pb	206	432.347	0.00	0.0125	0.004	35.013	ug/L
|	Pb	207	350.676	0.00	0.0167	0.003	15.072	ug/L
|	Pb	208	1702.742	0.00	0.0139	0.002	12.194	ug/L
|	U	238	49.667	0.00	-0.0000	0.000	858.794	ug/L
⌊>	Bi	209	465103.049	465103.05				ug/L

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⌈	Na	23	77708.580	0.21	0.0079	0.000	4.808	mg/L
|	Mg	24	41443.213	0.14	0.0082	0.000	2.947	mg/L
|	K	39	621756.214	0.31	0.0062	0.002	39.892	mg/L
|	Ca	43	876.793	0.00	0.0390	0.002	6.340	mg/L
|	Fe	54	95562.181	0.17	0.0897	0.002	1.916	mg/L
|	Fe	57	8521.150	0.00	0.0049	0.001	27.097	mg/L
⌊>	Sc-1	45	284319.802	284319.80				mg/L
	Cl	35	48644.699	29628.63				mg/L
	Kr	83	50.667	-10.00				mg/L
	Br	81	8575.011	-35.36				mg/L
	P	31	22099.286	8703.38				mg/L
	S	34	204862.048	16881.07				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.464			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		89.622			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.506			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.716			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102043401

Sample Date/Time: Tuesday, February 22, 2011 16:04:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 46
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19903.151	0.01				ug/L
|	Be	9	8.000	0.00	-0.0217	0.044	202.875	ug/L
|	Al	27	51365.049	0.17	8.4134	0.243	2.888	ug/L
⌊>	Sc	45	287511.127	287511.13				ug/L
⌈	Ti	49	143.349	0.00	0.2175	0.028	12.737	ug/L
|	V	51	4640.987	0.01	0.2930	0.010	3.537	ug/L
|	Cr	52	14554.730	0.02	1.0152	0.021	2.081	ug/L
|	Cr	53	1183.522	0.00	1.2152	0.093	7.685	ug/L
|	Mn	55	3121.852	0.01	0.2359	0.004	1.622	ug/L
|	Co	59	192.670	0.00	0.0126	0.003	23.720	ug/L
|	Ni	60	1055.400	0.00	0.5561	0.033	6.019	ug/L
|	Cu	65	249.339	0.00	0.0595	0.006	9.907	ug/L
|	Zn	66	2417.650	0.00	1.5416	0.052	3.368	ug/L
|>	Ge	72	426025.467	426025.47				ug/L
|	As	75	-31.860	0.00	0.1184	0.022	18.288	ug/L
|	Se	77	76.000	0.00	0.1384	0.058	41.596	ug/L
|	Se	82	35.603	0.00	0.4297	0.072	16.803	ug/L
⌊	Rb	85	3024.154	0.01				mg/L
	Y	89	269377.055	-78405.13				ug/L
	Rh	103	31.000	20.67				ug/L
⌈	Mo	98	55.612	0.00	0.0338	0.004	10.835	ug/L
|	Ag	107	22.000	-0.00	0.0023	0.001	39.973	ug/L
|	Cd	114	0.125	-0.00	-0.0066	0.006	97.653	ug/L
|>	In	115	340080.887	340080.89				ug/L
|	Sn	118	178.402	0.00	0.0329	0.003	8.991	ug/L
⌊	Sb	123	73.243	0.00	0.0163	0.002	15.058	ug/L
⌈	Ba	135	35095.510	0.08	22.5420	0.647	2.872	ug/L
|	Ce	140	390.047	0.00				ug/L
⌊>	Tb	159	461450.855	461450.85				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	37.334	0.00	0.0038	0.000	13.113	ug/L
|	Tl	205	40.004	0.00	0.0116	0.001	5.835	ug/L
|	Pb	206	493.350	0.00	0.0281	0.006	20.312	ug/L
|	Pb	207	418.346	0.00	0.0339	0.004	11.980	ug/L
|	Pb	208	1930.092	0.00	0.0279	0.003	11.664	ug/L
|	U	238	1359.773	0.00	0.0418	0.003	6.061	ug/L
⌊>	Bi	209	445632.035	445632.03				ug/L

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⌈	Na	23	18766422.266	65.23	3.4630	0.052	1.510	mg/L
|	Mg	24	7569668.491	26.34	2.2127	0.052	2.329	mg/L
|	K	39	6594051.732	21.07	0.7519	0.026	3.432	mg/L
|	Ca	43	83801.457	0.29	4.6557	0.088	1.901	mg/L
|	Fe	54	84916.856	0.13	0.0701	0.006	9.164	mg/L
|	Fe	57	11030.522	0.01	0.0148	0.001	3.952	mg/L
⌊>	Sc-1	45	287511.127	287511.13				mg/L
	Cl	35	152316.677	133300.61				mg/L
	Kr	83	45.667	-15.00				mg/L
	Br	81	22877.490	14267.11				mg/L
	P	31	20234.718	6838.82				mg/L
	S	34	219252.531	31271.55				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		81.532			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		86.639			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.757			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		89.793			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102044301 WG356896-02

Sample Date/Time: Tuesday, February 22, 2011 16:11:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 47
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20136.977	0.02				ug/L
|	Be	9	8.667	0.00	-0.0186	0.011	61.334	ug/L
|	Al	27	93822.744	0.33	16.6321	2.197	13.210	ug/L
⌊>	Sc	45	274869.286	274869.29				ug/L
⌈	Ti	49	1053.494	0.00	1.9706	0.215	10.933	ug/L
|	V	51	3095.701	0.00	0.1355	0.006	4.607	ug/L
|	Cr	52	11830.785	0.01	0.7412	0.026	3.462	ug/L
|	Cr	53	1643.633	0.00	1.8620	0.167	8.968	ug/L
|	Mn	55	3191014.831	7.95	301.5377	8.118	2.692	ug/L
|	Co	59	7390.144	0.02	0.8627	0.016	1.892	ug/L
|	Ni	60	10609.078	0.03	5.9847	0.089	1.484	ug/L
|	Cu	65	1626.816	0.00	0.8219	0.027	3.240	ug/L
|	Zn	66	58337.777	0.14	53.8581	0.367	0.682	ug/L
| >	Ge	72	401698.431	401698.43				ug/L
|	As	75	-61.913	0.00	0.0811	0.073	89.656	ug/L
|	Se	77	122.001	0.00	0.9301	0.226	24.337	ug/L
|	Se	82	23.566	0.00	0.3020	0.196	64.782	ug/L
⌊	Rb	85	14030.982	0.03				mg/L
	Y	89	259466.651	-88315.53				ug/L
	Rh	103	96.001	85.67				ug/L
⌈	Mo	98	670.527	0.00	0.3223	0.011	3.527	ug/L
|	Ag	107	23.334	-0.00	0.0029	0.002	60.339	ug/L
|	Cd	114	314.992	0.00	0.3236	0.017	5.206	ug/L
| >	In	115	326039.153	326039.15				ug/L
|	Sn	118	173.468	0.00	0.0336	0.002	5.122	ug/L
⌊	Sb	123	139.366	0.00	0.0371	0.001	2.924	ug/L
⌈	Ba	135	25236.414	0.06	16.4304	0.222	1.349	ug/L
|	Ce	140	913.466	0.00				ug/L
⌊>	Tb	159	455213.399	455213.40				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	153.336	0.00	0.0225	0.001	5.231	ug/L
|	Tl	205	413.383	0.00	0.0360	0.005	13.904	ug/L
|	Pb	206	590.690	0.00	0.0482	0.008	15.802	ug/L
|	Pb	207	494.684	0.00	0.0503	0.003	5.981	ug/L
|	Pb	208	2373.137	0.00	0.0494	0.001	2.432	ug/L
|	U	238	13682.511	0.03	0.4374	0.004	0.986	ug/L
⌊>	Bi	209	442888.121	442888.12				ug/L

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⌈	Na	23	207119293.379	754.90	40.1116	1.941	4.839	mg/L
|	Mg	24	42470729.734	154.66	13.0109	0.522	4.011	mg/L
|	K	39	15211751.801	53.51	1.9167	0.075	3.927	mg/L
|	Ca	43	1121578.002	4.09	65.4236	4.259	6.511	mg/L
|	Fe	54	315780.004	0.99	0.4860	0.027	5.481	mg/L
|	Fe	57	149140.867	0.52	0.6143	0.037	6.059	mg/L
⌊>	Sc-1	45	274869.286	274869.29				mg/L
	Cl	35	1197595.204	1178579.13				mg/L
	Kr	83	50.001	-10.67				mg/L
	Br	81	15085.396	6475.02				mg/L
	P	31	19316.119	5920.22				mg/L
	S	34	1600551.681	1412570.70				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		76.876			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		83.062			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		90.517			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		89.240			
⌈	Na	23					

Sample ID: L1102044301 WG356896-02
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1102044301S WG356896-08

Sample Date/Time: Tuesday, February 22, 2011 16:18:09
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 48
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22709.108	0.02				ug/L
|	Be	9	7365.380	0.03	29.4485	1.622	5.508	ug/L
|	Al	27	259058.623	0.88	43.9047	0.641	1.461	ug/L
⌊>	Sc	45	291378.416	291378.42				ug/L
⌈	Ti	49	1306.883	0.00	2.3377	0.182	7.768	ug/L
|	V	51	244266.373	0.58	28.4744	0.571	2.007	ug/L
|	Cr	52	215205.266	0.50	28.8762	0.433	1.501	ug/L
|	Cr	53	25428.173	0.06	29.4766	0.199	0.676	ug/L
|	Mn	55	3803563.590	9.05	343.5013	6.380	1.857	ug/L
|	Co	59	262224.398	0.62	29.5656	0.816	2.758	ug/L
|	Ni	60	64461.548	0.15	34.7999	1.086	3.121	ug/L
|	Cu	65	55746.688	0.13	29.1332	0.524	1.798	ug/L
|	Zn	66	93539.140	0.22	82.9001	0.955	1.152	ug/L
| >	Ge	72	420046.964	420046.96				ug/L
|	As	75	23025.684	0.06	24.9883	0.531	2.126	ug/L
|	Se	77	1752.154	0.00	25.4693	0.762	2.992	ug/L
|	Se	82	1978.209	0.00	23.2939	0.413	1.775	ug/L
⌊	Rb	85	15260.798	0.04				mg/L
	Y	89	270042.905	-77739.28				ug/L
	Rh	103	123.002	112.67				ug/L
⌈	Mo	98	763.388	0.00	0.3399	0.010	3.036	ug/L
|	Ag	107	104246.780	0.30	23.9326	0.261	1.092	ug/L
|	Cd	114	26650.944	0.08	25.8824	0.282	1.090	ug/L
| >	In	115	351318.475	351318.47				ug/L
|	Sn	118	180.535	0.00	0.0319	0.000	1.272	ug/L
⌊	Sb	123	92214.931	0.26	25.8233	0.500	1.935	ug/L
⌈	Ba	135	69213.974	0.14	41.0313	0.115	0.280	ug/L
|	Ce	140	1243.535	0.00				ug/L
⌊>	Tb	159	499621.484	499621.48				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	187257.718	0.39	27.5297	0.367	1.334	ug/L
|	Tl	205	464286.317	0.96	27.6095	0.989	3.580	ug/L
|	Pb	206	158126.432	0.33	28.5084	1.044	3.661	ug/L
|	Pb	207	136228.680	0.28	26.0836	0.725	2.781	ug/L
|	Pb	208	641911.575	1.32	27.6769	0.273	0.988	ug/L
|	U	238	1050791.908	2.17	30.8204	0.243	0.788	ug/L
⌊>	Bi	209	484299.934	484299.93				ug/L

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⌈	Na	23	223076992.242	765.00	40.6481	0.919	2.262	mg/L
|	Mg	24	45359155.869	155.80	13.1071	0.266	2.028	mg/L
|	K	39	16658050.124	55.38	1.9840	0.125	6.307	mg/L
|	Ca	43	1213937.919	4.17	66.7649	2.752	4.122	mg/L
|	Fe	54	350350.586	1.04	0.5116	0.017	3.269	mg/L
|	Fe	57	164788.228	0.54	0.6417	0.037	5.691	mg/L
⌊>	Sc-1	45	291378.416	291378.42				mg/L
	Cl	35	1273628.183	1254612.11				mg/L
	Kr	83	40.000	-20.67				mg/L
	Br	81	17479.274	8868.90				mg/L
	P	31	20660.318	7264.42				mg/L
	S	34	1697759.971	1509778.99				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
| >	Ge	72		80.388			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
| >	In	115		89.502			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.347			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		97.585			
⌈	Na	23					

Sample ID: L1102044301S WG356896-08
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	

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Method 6020 - Summary Report

Sample ID: L1102044705

Sample Date/Time: Tuesday, February 22, 2011 16:24:55
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 49
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24329.574	0.02				ug/L
|	Be	9	9.333	0.00	-0.0177	0.026	147.882	ug/L
|	Al	27	19402.154	0.06	2.7326	0.346	12.649	ug/L
⌊>	Sc	45	299809.513	299809.51				ug/L
⌈	Ti	49	146.682	0.00	0.2071	0.039	18.704	ug/L
|	V	51	2587.081	0.00	0.0368	0.008	20.542	ug/L
|	Cr	52	10350.124	0.01	0.3544	0.007	1.957	ug/L
|	Cr	53	533.401	0.00	0.4315	0.065	14.998	ug/L
|	Mn	55	2832.763	0.01	0.1948	0.004	2.270	ug/L
|	Co	59	104.668	0.00	0.0021	0.001	69.690	ug/L
|	Ni	60	196.671	0.00	0.0923	0.003	2.737	ug/L
|	Cu	65	392.345	0.00	0.1214	0.021	17.017	ug/L
|	Zn	66	2385.975	0.00	1.3872	0.064	4.631	ug/L
|>	Ge	72	453506.051	453506.05				ug/L
|	As	75	-128.257	0.00	0.0243	0.042	171.851	ug/L
|	Se	77	58.000	0.00	-0.1811	0.112	61.922	ug/L
|	Se	82	7.649	0.00	0.1002	0.130	129.793	ug/L
⌊	Rb	85	55.334	0.00				mg/L
	Y	89	291658.161	-56124.02				ug/L
	Rh	103	9.333	-1.00				ug/L
⌈	Mo	98	26.795	0.00	0.0194	0.001	6.525	ug/L
|	Ag	107	30.667	-0.00	0.0035	0.000	6.694	ug/L
|	Cd	114	-3.257	-0.00	-0.0096	0.003	30.952	ug/L
|>	In	115	388934.605	388934.61				ug/L
|	Sn	118	144.268	0.00	0.0184	0.001	7.848	ug/L
⌊	Sb	123	65.327	0.00	0.0116	0.003	28.616	ug/L
⌈	Ba	135	124.669	0.00	0.0811	0.003	4.260	ug/L
|	Ce	140	533.401	0.00				ug/L
⌊>	Tb	159	544617.535	544617.54				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	37.000	0.00	0.0026	0.001	33.521	ug/L
|	Tl	205	83.342	0.00	0.0134	0.000	3.020	ug/L
|	Pb	206	517.685	0.00	0.0140	0.005	34.811	ug/L
|	Pb	207	455.015	0.00	0.0238	0.003	13.045	ug/L
|	Pb	208	2093.441	0.00	0.0172	0.004	24.361	ug/L
|	U	238	148.336	0.00	0.0023	0.001	30.197	ug/L
⌊>	Bi	209	547978.397	547978.40				ug/L

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⌈	Na	23	133394.870	0.38	0.0170	0.002	10.633	mg/L
|	Mg	24	43431.792	0.14	0.0082	0.001	12.297	mg/L
|	K	39	585106.206	0.08	-0.0020	0.004	208.161	mg/L
|	Ca	43	850.121	0.00	0.0350	0.002	4.367	mg/L
|	Fe	54	91863.459	0.15	0.0760	0.016	20.883	mg/L
|	Fe	57	7940.612	-0.00	0.0008	0.002	239.256	mg/L
⌊>	Sc-1	45	299809.513	299809.51				mg/L
	Cl	35	58076.852	39060.78				mg/L
	Kr	83	40.334	-20.33				mg/L
	Br	81	8591.023	-19.35				mg/L
	P	31	22368.362	8972.46				mg/L
	S	34	233177.633	45196.66				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		86.791			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.085			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		108.294			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		110.416			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102044705
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Method 6020 - Summary Report

Sample ID: L1102045001

Sample Date/Time: Tuesday, February 22, 2011 16:31:41
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 50
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23427.654	0.02				ug/L
|	Be	9	6.000	0.00	-0.0314	0.013	42.392	ug/L
|	Al	27	62075.684	0.21	10.2025	0.938	9.190	ug/L
⌊>	Sc	45	290330.251	290330.25				ug/L
⌈	Ti	49	496.729	0.00	0.8427	0.191	22.659	ug/L
|	V	51	3743.642	0.00	0.1853	0.011	5.967	ug/L
|	Cr	52	13360.386	0.01	0.8363	0.020	2.427	ug/L
|	Cr	53	1336.891	0.00	1.3788	0.186	13.454	ug/L
|	Mn	55	426801.756	0.99	37.6538	0.847	2.250	ug/L
|	Co	59	1037.731	0.00	0.1056	0.006	5.624	ug/L
|	Ni	60	8624.807	0.02	4.5494	0.171	3.751	ug/L
|	Cu	65	2488.001	0.01	1.2051	0.026	2.171	ug/L
|	Zn	66	33797.710	0.08	28.8964	0.551	1.905	ug/L
|>	Ge	72	429707.697	429707.70				ug/L
|	As	75	-19.295	0.00	0.1324	0.047	35.287	ug/L
|	Se	77	90.000	0.00	0.3355	0.008	2.330	ug/L
|	Se	82	20.931	0.00	0.2592	0.165	63.710	ug/L
⌊	Rb	85	5078.341	0.01				mg/L
	Y	89	274758.363	-73023.82				ug/L
	Rh	103	50.001	39.67				ug/L
⌈	Mo	98	723.641	0.00	0.3120	0.012	3.744	ug/L
|	Ag	107	31.667	-0.00	0.0041	0.001	19.240	ug/L
|	Cd	114	56.241	0.00	0.0460	0.004	9.674	ug/L
|>	In	115	363600.331	363600.33				ug/L
|	Sn	118	199.869	0.00	0.0353	0.001	3.123	ug/L
⌊	Sb	123	183.204	0.00	0.0447	0.004	7.919	ug/L
⌈	Ba	135	29546.896	0.06	17.1988	0.172	1.001	ug/L
|	Ce	140	230.026	0.00				ug/L
⌊>	Tb	159	509139.240	509139.24				ug/L
⌈	Ho	165	40.004	0.00				ug/L
|	Tl	203	90.335	0.00	0.0105	0.001	13.501	ug/L
|	Tl	205	170.018	0.00	0.0187	0.002	10.183	ug/L
|	Pb	206	1116.740	0.00	0.1242	0.012	9.832	ug/L
|	Pb	207	915.384	0.00	0.1145	0.005	4.063	ug/L
|	Pb	208	4419.434	0.01	0.1198	0.004	3.034	ug/L
|	U	238	1615.147	0.00	0.0438	0.001	1.889	ug/L
⌊>	Bi	209	506397.052	506397.05				ug/L

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⌈	Na	23	58393780.555	201.34	10.6959	0.396	3.705	mg/L
|	Mg	24	14745272.053	50.87	4.2769	0.220	5.134	mg/L
|	K	39	8732006.168	28.24	1.0093	0.042	4.120	mg/L
|	Ca	43	371394.194	1.28	20.4844	0.617	3.013	mg/L
|	Fe	54	186997.705	0.48	0.2404	0.024	9.782	mg/L
|	Fe	57	65654.964	0.20	0.2384	0.020	8.393	mg/L
⌊>	Sc-1	45	290330.251	290330.25				mg/L
	Cl	35	512796.515	493780.45				mg/L
	Kr	83	46.334	-14.33				mg/L
	Br	81	13125.280	4514.90				mg/L
	P	31	22762.552	9366.65				mg/L
	S	34	608615.239	420634.26				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		82.236			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.631			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.240			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		102.037			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102045002 WG356896-03

Sample Date/Time: Tuesday, February 22, 2011 16:38:28
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 51
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21323.132	0.02				ug/L
|	Be	9	17.333	0.00	0.0208	0.016	79.230	ug/L
|	Al	27	436631.995	1.64	81.6824	4.159	5.091	ug/L
⌊>	Sc	45	265308.859	265308.86				ug/L
⌈	Ti	49	1410.245	0.00	2.5731	0.677	26.320	ug/L
|	V	51	35151.821	0.08	3.9558	0.086	2.176	ug/L
|	Cr	52	15615.673	0.02	1.2261	0.009	0.717	ug/L
|	Cr	53	2847.358	0.01	3.2276	0.243	7.539	ug/L
|	Mn	55	733301.991	1.77	67.2816	1.105	1.642	ug/L
|	Co	59	6748.011	0.02	0.7650	0.023	3.054	ug/L
|	Ni	60	7059.896	0.02	3.8701	0.047	1.226	ug/L
|	Cu	65	97893.828	0.24	52.0631	0.617	1.186	ug/L
|	Zn	66	155844.052	0.38	140.7611	2.498	1.775	ug/L
| >	Ge	72	413293.766	413293.77				ug/L
|	As	75	284.634	0.00	0.4640	0.053	11.518	ug/L
|	Se	77	165.335	0.00	1.5458	0.239	15.482	ug/L
|	Se	82	32.937	0.00	0.4104	0.035	8.617	ug/L
⌊	Rb	85	5766.053	0.01				mg/L
	Y	89	271226.901	-76555.28				ug/L
	Rh	103	56.001	45.67				ug/L
⌈	Mo	98	1366.048	0.00	0.6220	0.016	2.587	ug/L
|	Ag	107	295.341	0.00	0.0674	0.003	4.159	ug/L
|	Cd	114	1761.142	0.01	1.7648	0.019	1.105	ug/L
| >	In	115	339242.875	339242.87				ug/L
|	Sn	118	277.604	0.00	0.0606	0.001	1.224	ug/L
⌊	Sb	123	987.049	0.00	0.2816	0.015	5.410	ug/L
⌈	Ba	135	32319.801	0.07	20.5569	0.186	0.903	ug/L
|	Ce	140	4167.953	0.01				ug/L
⌊>	Tb	159	465809.483	465809.48				ug/L
⌈	Ho	165	50.005	0.00				ug/L
|	Tl	203	438.014	0.00	0.0670	0.004	5.725	ug/L
|	Tl	205	1016.821	0.00	0.0739	0.009	12.041	ug/L
|	Pb	206	33849.539	0.07	6.5018	0.147	2.267	ug/L
|	Pb	207	28884.615	0.06	5.9030	0.107	1.817	ug/L
|	Pb	208	135588.808	0.30	6.2349	0.170	2.726	ug/L
|	U	238	6316.391	0.01	0.1976	0.004	2.250	ug/L
⌊>	Bi	209	450570.259	450570.26				ug/L

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⌈	Na	23	299277898.739	1130.18	60.0536	5.741	9.560	mg/L
|	Mg	24	16794824.689	63.41	5.3322	0.442	8.296	mg/L
|	K	39	9135636.895	32.58	1.1651	0.054	4.644	mg/L
|	Ca	43	419751.646	1.58	25.3334	1.266	4.998	mg/L
|	Fe	54	399833.211	1.35	0.6597	0.033	5.060	mg/L
|	Fe	57	151097.179	0.54	0.6466	0.062	9.536	mg/L
⌊>	Sc-1	45	265308.859	265308.86				mg/L
	Cl	35	1855714.594	1836698.52				mg/L
	Kr	83	45.667	-15.00				mg/L
	Br	81	15122.761	6512.39				mg/L
	P	31	20764.942	7369.04				mg/L
	S	34	570624.146	382643.17				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		79.095			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		86.426			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		92.624			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		90.788			
⌈	Na	23					

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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Zn 66 Upper, S, EEE	Zn	66	

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102045002DUP WG356896-09

Sample Date/Time: Tuesday, February 22, 2011 16:45:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 52
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21556.892	0.02				ug/L
|	Be	9	4.667	0.00	-0.0356	0.005	13.493	ug/L
|	Al	27	233989.764	0.84	41.6636	8.754	21.012	ug/L
|>	Sc	45	278683.677	278683.68				ug/L
⌈	Ti	49	1870.481	0.00	3.2519	3.267	100.477	ug/L
|	V	51	35456.212	0.08	3.8471	0.087	2.267	ug/L
|	Cr	52	14989.043	0.02	1.0655	0.044	4.093	ug/L
|	Cr	53	2620.605	0.01	2.8521	0.060	2.093	ug/L
|	Mn	55	738652.390	1.73	65.4379	0.573	0.876	ug/L
|	Co	59	6439.805	0.01	0.7042	0.009	1.249	ug/L
|	Ni	60	7160.306	0.02	3.7881	0.114	3.009	ug/L
|	Cu	65	104147.370	0.24	53.4837	0.338	0.632	ug/L
|	Zn	66	159757.906	0.37	139.2902	1.746	1.254	ug/L
|>	Ge	72	428060.998	428061.00				ug/L
|	As	75	135.298	0.00	0.2951	0.021	7.211	ug/L
|	Se	77	165.335	0.00	1.4591	0.099	6.765	ug/L
|	Se	82	32.656	0.00	0.3919	0.111	28.314	ug/L
⌊	Rb	85	5530.585	0.01				mg/L
	Y	89	276881.799	-70900.38				ug/L
	Rh	103	61.001	50.67				ug/L
⌈	Mo	98	1412.575	0.00	0.6273	0.004	0.582	ug/L
|	Ag	107	2965.137	0.01	0.6849	0.009	1.245	ug/L
|	Cd	114	830.350	0.00	0.8068	0.074	9.154	ug/L
|>	In	115	347757.307	347757.31				ug/L
|	Sn	118	339.072	0.00	0.0755	0.004	4.824	ug/L
⌊	Sb	123	993.803	0.00	0.2762	0.012	4.448	ug/L
⌈	Ba	135	33509.430	0.07	20.2859	0.125	0.615	ug/L
|	Ce	140	1620.293	0.00				ug/L
|>	Tb	159	489347.027	489347.03				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	139.669	0.00	0.0193	0.001	6.135	ug/L
|	Tl	205	353.375	0.00	0.0309	0.002	6.499	ug/L
|	Pb	206	14784.411	0.03	2.7202	0.041	1.518	ug/L
|	Pb	207	12724.573	0.03	2.4960	0.120	4.803	ug/L
|	Pb	208	58371.609	0.12	2.5714	0.083	3.213	ug/L
|	U	238	4878.240	0.01	0.1479	0.004	2.802	ug/L
|>	Bi	209	463497.072	463497.07				ug/L

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⌈	Na	23	294085970.522	1057.32	56.1819	4.702	8.370	mg/L
|	Mg	24	17348666.063	62.34	5.2418	0.298	5.689	mg/L
|	K	39	9366874.643	31.78	1.1363	0.062	5.483	mg/L
|	Ca	43	433913.979	1.56	24.9495	1.749	7.009	mg/L
|	Fe	54	363303.857	1.14	0.5613	0.045	7.995	mg/L
|	Fe	57	141989.437	0.48	0.5750	0.040	6.998	mg/L
⌊>	Sc-1	45	278683.677	278683.68				mg/L
	Cl	35	1688706.580	1669690.51				mg/L
	Kr	83	39.667	-21.00				mg/L
	Br	81	14839.672	6229.30				mg/L
	P	31	21486.539	8090.64				mg/L
	S	34	584363.258	396382.28				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		81.921			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		88.595			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		97.304			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		93.393			
⌈	Na	23					

Sample ID: L1102045002DUP WG356896-09
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| Mg 24
| K 39
| Ca 43
| Fe 54
| Fe 57
|> Sc-1 45
Cl 35
Kr 83
Br 81
P 31
S 34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Zn 66 Upper, S, EEE	Zn	66	

Sample ID: L1102045002DUP WG356896-09
Report Date/Time: Tuesday, February 22, 2011 16:47:27
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 16:52:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19753.176	0.01				ug/L
|	Be	9	13824.897	0.05	56.4534	5.061	8.965	ug/L
|	Al	27	291993.070	1.02	50.6470	3.743	7.391	ug/L
⌊>	Sc	45	285695.166	285695.17				ug/L
⌈	Ti	49	59703.668	0.13	101.8770	1.823	1.790	ug/L
|	V	51	466790.490	1.04	51.1807	0.185	0.362	ug/L
|	Cr	52	390042.339	0.85	49.7153	0.892	1.793	ug/L
|	Cr	53	46512.571	0.10	50.6172	0.917	1.812	ug/L
|	Mn	55	594330.353	1.33	50.2590	0.467	0.929	ug/L
|	Co	59	476059.240	1.06	50.3128	0.415	0.825	ug/L
|	Ni	60	100523.574	0.22	50.8725	0.884	1.738	ug/L
|	Cu	65	103304.902	0.23	50.6459	0.744	1.469	ug/L
|	Zn	66	61661.834	0.14	50.9638	0.263	0.516	ug/L
|>	Ge	72	448360.978	448360.98				ug/L
|	As	75	47429.121	0.11	48.0731	0.423	0.879	ug/L
|	Se	77	3548.630	0.01	49.2429	0.401	0.815	ug/L
|	Se	82	4399.534	0.01	48.5018	1.116	2.300	ug/L
⌊	Rb	85	1869.860	0.00				mg/L
	Y	89	292801.248	-54980.93				ug/L
	Rh	103	18.334	8.00				ug/L
⌈	Mo	98	229748.282	0.63	95.7097	1.713	1.790	ug/L
|	Ag	107	228859.496	0.63	50.5191	0.814	1.612	ug/L
|	Cd	114	51467.566	0.14	48.0584	1.997	4.156	ug/L
|>	In	115	365549.310	365549.31				ug/L
|	Sn	118	191058.223	0.52	49.3239	0.813	1.649	ug/L
⌊	Sb	123	182694.726	0.50	49.1562	0.613	1.247	ug/L
⌈	Ba	135	78180.879	0.16	46.0647	0.498	1.082	ug/L
|	Ce	140	50.005	0.00				ug/L
⌊>	Tb	159	502657.979	502657.98				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	345144.574	0.70	50.1765	0.866	1.725	ug/L
|	Tl	205	863453.285	1.76	50.7459	1.890	3.724	ug/L
|	Pb	206	283747.512	0.58	50.6094	0.071	0.141	ug/L
|	Pb	207	263542.143	0.54	49.9523	0.630	1.261	ug/L
|	Pb	208	1175621.253	2.40	50.1798	0.240	0.479	ug/L
|	U	238	1841969.129	3.76	53.4265	1.650	3.089	ug/L
⌊>	Bi	209	489635.595	489635.59				ug/L

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⌈	Na	23	27631643.456	96.82	5.1419	0.319	6.198	mg/L
|	Mg	24	17273210.835	60.56	5.0924	0.329	6.463	mg/L
|	K	39	41572232.504	143.73	5.1566	0.128	2.483	mg/L
|	Ca	43	90251.381	0.32	5.0491	0.209	4.135	mg/L
|	Fe	54	2859494.814	9.86	4.7980	0.197	4.110	mg/L
|	Fe	57	1211445.769	4.22	5.0095	0.265	5.295	mg/L
⌊>	Sc-1	45	285695.166	285695.17				mg/L
	Cl	35	20354.695	1338.63				mg/L
	Kr	83	58.001	-2.67				mg/L
	Br	81	7133.881	-1476.50				mg/L
	P	31	11128.901	-2267.00				mg/L
	S	34	204027.406	16046.43				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	102.361				
|	Cr	52	99.431				
|	Cr	53					
|	Mn	55	100.518				
|	Co	59	100.626				
|	Ni	60	101.745				
|	Cu	65	101.292				
|	Zn	66	101.928				
|>	Ge	72		85.806			
|	As	75	96.146				
|	Se	77					
|	Se	82	97.004				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	101.038				
|	Cd	114	96.117				
|>	In	115		93.128			
|	Sn	118					
⌊	Sb	123	98.312				
⌈	Ba	135	92.129				
|	Ce	140					
⌊>	Tb	159		99.951			
⌈	Ho	165					
|	Tl	203	100.353				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	100.360				
|	U	238	106.853				
⌊>	Bi	209		98.660			
⌈	Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 16:54:14

Approved: February 23, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 16:54:14

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 16:59:17
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19953.283	0.01				ug/L
|	Be	9	3.333	0.00	-0.0414	0.005	12.134	ug/L
|	Al	27	3650.687	0.00	0.1198	0.121	100.638	ug/L
⌊>	Sc	45	284784.503	284784.50				ug/L
⌈	Ti	49	70.007	0.00	0.0782	0.027	34.791	ug/L
|	V	51	2186.493	-0.00	-0.0059	0.007	110.571	ug/L
|	Cr	52	7262.377	-0.00	-0.0388	0.012	29.816	ug/L
|	Cr	53	273.364	0.00	0.1522	0.038	24.817	ug/L
|	Mn	55	335.009	0.00	-0.0140	0.001	6.664	ug/L
|	Co	59	49.334	-0.00	-0.0037	0.000	12.066	ug/L
|	Ni	60	52.001	0.00	0.0200	0.002	10.049	ug/L
|	Cu	65	121.335	0.00	-0.0101	0.003	29.140	ug/L
|	Zn	66	524.019	0.00	-0.1505	0.016	10.933	ug/L
|>	Ge	72	451720.438	451720.44				ug/L
|	As	75	-136.230	0.00	0.0156	0.012	74.323	ug/L
|	Se	77	57.334	0.00	-0.1840	0.371	201.362	ug/L
|	Se	82	-1.441	0.00	0.0014	0.066	4757.279	ug/L
⌊	Rb	85	18.667	-0.00				mg/L
	Y	89	291431.161	-56351.02				ug/L
	Rh	103	5.333	-5.00				ug/L
⌈	Mo	98	118.760	0.00	0.0583	0.010	16.501	ug/L
|	Ag	107	23.334	-0.00	0.0022	0.001	23.331	ug/L
|	Cd	114	-5.851	-0.00	-0.0122	0.004	29.536	ug/L
|>	In	115	366329.811	366329.81				ug/L
|	Sn	118	293.471	0.00	0.0590	0.002	4.109	ug/L
⌊	Sb	123	43.369	-0.00	0.0067	0.002	27.233	ug/L
⌈	Ba	135	22.000	0.00	0.0261	0.002	7.560	ug/L
|	Ce	140	26.669	-0.00				ug/L
⌊>	Tb	159	508191.215	508191.22				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	30.334	0.00	0.0021	0.000	21.556	ug/L
|	Tl	205	26.669	0.00	0.0105	0.001	8.135	ug/L
|	Pb	206	396.012	0.00	0.0003	0.007	2187.420	ug/L
|	Pb	207	354.010	0.00	0.0122	0.004	35.339	ug/L
|	Pb	208	1603.400	0.00	0.0041	0.004	89.739	ug/L
|	U	238	97.668	0.00	0.0012	0.000	25.182	ug/L
⌊>	Bi	209	502219.142	502219.14				ug/L

Sample ID: QC Std 7
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⌈	Na	23	22420.680	0.01	-0.0025	0.000	6.987	mg/L
|	Mg	24	723.432	0.00	-0.0039	0.000	0.688	mg/L
|	K	39	557441.518	0.08	-0.0020	0.002	119.474	mg/L
|	Ca	43	196.688	-0.00	0.0008	0.004	452.855	mg/L
|	Fe	54	42178.983	-0.01	-0.0015	0.005	348.381	mg/L
|	Fe	57	6556.140	-0.00	-0.0034	0.001	15.063	mg/L
⌊>	Sc-1	45	284784.503	284784.50				mg/L
	Cl	35	19486.972	470.90				mg/L
	Kr	83	50.667	-10.00				mg/L
	Br	81	7080.506	-1529.87				mg/L
	P	31	11119.689	-2276.21				mg/L
	S	34	219800.737	31819.76				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		86.449			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.326			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		101.051			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.195			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 17:01:28

Approved: February 23, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 17:01:28

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: PBW 73 WG357168-02

Sample Date/Time: Tuesday, February 22, 2011 17:06:03
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 53
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20086.823	0.01				ug/L
|	Be	9	10.000	0.00	-0.0143	0.007	51.897	ug/L
|	Al	27	15645.568	0.05	2.2293	0.117	5.264	ug/L
⌊>	Sc	45	284713.838	284713.84				ug/L
⌈	Ti	49	76.675	0.00	0.0946	0.045	47.759	ug/L
|	V	51	2217.093	0.00	0.0058	0.002	34.867	ug/L
|	Cr	52	8714.549	0.00	0.1879	0.019	10.243	ug/L
|	Cr	53	446.721	0.00	0.3566	0.029	8.261	ug/L
|	Mn	55	1156.078	0.00	0.0583	0.002	2.631	ug/L
|	Co	59	75.334	0.00	-0.0007	0.001	204.155	ug/L
|	Ni	60	94.668	0.00	0.0431	0.004	10.431	ug/L
|	Cu	65	198.671	0.00	0.0309	0.010	33.869	ug/L
|	Zn	66	2295.620	0.00	1.3860	0.037	2.649	ug/L
|>	Ge	72	436502.866	436502.87				ug/L
|	As	75	-159.489	-0.00	-0.0132	0.035	263.186	ug/L
|	Se	77	57.334	0.00	-0.1611	0.157	97.653	ug/L
|	Se	82	8.954	0.00	0.1190	0.144	120.815	ug/L
⌊	Rb	85	41.667	0.00				mg/L
	Y	89	297012.601	-50769.58				ug/L
	Rh	103	12.333	2.00				ug/L
⌈	Mo	98	54.384	0.00	0.0317	0.003	9.917	ug/L
|	Ag	107	24.667	-0.00	0.0026	0.001	37.510	ug/L
|	Cd	114	1.192	-0.00	-0.0056	0.003	57.159	ug/L
|>	In	115	364485.286	364485.29				ug/L
|	Sn	118	175.868	0.00	0.0289	0.004	13.891	ug/L
⌊	Sb	123	44.618	-0.00	0.0071	0.001	12.277	ug/L
⌈	Ba	135	77.001	0.00	0.0591	0.003	4.981	ug/L
|	Ce	140	43.338	0.00				ug/L
⌊>	Tb	159	498901.223	498901.22				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	12.333	-0.00	-0.0004	0.001	150.554	ug/L
|	Tl	205	20.002	0.00	0.0102	0.001	10.037	ug/L
|	Pb	206	515.685	0.00	0.0219	0.004	18.529	ug/L
|	Pb	207	410.013	0.00	0.0232	0.003	14.065	ug/L
|	Pb	208	2000.766	0.00	0.0213	0.002	8.722	ug/L
|	U	238	49.001	0.00	-0.0001	0.000	33.126	ug/L
⌊>	Bi	209	497573.884	497573.88				ug/L

Sample ID: PBW 73 WG357168-02
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⌈	Na	23	42658.416	0.08	0.0013	0.000	25.848	mg/L
|	Mg	24	8707.996	0.03	-0.0015	0.000	5.443	mg/L
|	K	39	568340.517	0.12	-0.0006	0.001	190.861	mg/L
|	Ca	43	376.712	0.00	0.0109	0.004	37.138	mg/L
|	Fe	54	87607.368	0.15	0.0760	0.008	11.104	mg/L
|	Fe	57	6989.809	-0.00	-0.0016	0.001	37.774	mg/L
⌊>	Sc-1	45	284713.838	284713.84				mg/L
	Cl	35	30057.113	11041.04				mg/L
	Kr	83	43.667	-17.00				mg/L
	Br	81	7731.654	-878.72				mg/L
	P	31	20327.337	6931.43				mg/L
	S	34	232595.958	44614.98				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.537			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		92.856			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.204			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		100.259			
⌈	Na	23					

Sample ID: PBW 73 WG357168-02
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Approved: February 23, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: PBW 73 WG357168-02
Report Date/Time: Tuesday, February 22, 2011 17:08:16
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: LCSW 73 ~~WG357468-03~~ WG357168-03

Sample Date/Time: Tuesday, February 22, 2011 17:12:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 54
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20521.268	0.01				ug/L
|	Be	9	6814.321	0.02	26.7226	0.765	2.864	ug/L
|	Al	27	159800.354	0.53	26.4329	0.869	3.287	ug/L
⌊>	Sc	45	296622.346	296622.35				ug/L
⌈	Ti	49	86.676	0.00	0.1094	0.027	24.668	ug/L
|	V	51	242255.252	0.54	26.6941	0.081	0.304	ug/L
|	Cr	52	215084.082	0.47	27.2366	0.523	1.920	ug/L
|	Cr	53	24839.980	0.06	27.2170	0.946	3.477	ug/L
|	Mn	55	319149.818	0.72	27.2203	0.646	2.375	ug/L
|	Co	59	252271.480	0.57	26.9098	0.545	2.027	ug/L
|	Ni	60	53543.503	0.12	27.3490	0.353	1.292	ug/L
|	Cu	65	55583.613	0.12	27.4695	0.155	0.565	ug/L
|	Zn	66	31603.513	0.07	26.0816	0.226	0.867	ug/L
|>	Ge	72	444210.951	444210.95				ug/L
|	As	75	22477.935	0.05	23.0749	0.544	2.359	ug/L
|	Se	77	1636.134	0.00	22.3915	1.973	8.813	ug/L
|	Se	82	2012.558	0.00	22.4060	0.834	3.720	ug/L
⌊	Rb	85	30.000	0.00				mg/L
	Y	89	292355.620	-55426.56				ug/L
	Rh	103	18.334	8.00				ug/L
⌈	Mo	98	37.982	0.00	0.0246	0.001	4.586	ug/L
|	Ag	107	110334.182	0.30	24.1313	0.452	1.872	ug/L
|	Cd	114	26987.457	0.07	24.9609	0.219	0.878	ug/L
|>	In	115	368918.536	368918.54				ug/L
|	Sn	118	128.534	0.00	0.0163	0.002	11.943	ug/L
⌊	Sb	123	90571.783	0.25	24.1447	0.321	1.328	ug/L
⌈	Ba	135	40917.283	0.08	23.8754	0.087	0.364	ug/L
|	Ce	140	40.004	0.00				ug/L
⌊>	Tb	159	507685.130	507685.13				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	184078.018	0.37	26.5111	0.571	2.153	ug/L
|	Tl	205	441523.571	0.89	25.7087	0.375	1.460	ug/L
|	Pb	206	157198.841	0.32	27.7460	0.554	1.997	ug/L
|	Pb	207	135332.264	0.27	25.3847	0.408	1.609	ug/L
|	Pb	208	625075.010	1.26	26.3995	0.297	1.126	ug/L
|	U	238	966306.664	1.96	27.7692	0.794	2.860	ug/L
⌊>	Bi	209	494347.106	494347.11				ug/L

Approved: February 23, 2011

Na	23	52784.209	0.11	0.0028	0.000	14.858	mg/L
Mg	24	4711.582	0.01	-0.0027	0.000	4.162	mg/L
K	39	552194.457	-0.02	-0.0054	0.003	58.533	mg/L
Ca	43	330.038	0.00	0.0075	0.001	18.890	mg/L
Fe	54	87766.664	0.13	0.0704	0.008	10.730	mg/L
Fe	57	7106.569	-0.00	-0.0022	0.002	68.750	mg/L
> Sc-1	45	296622.346	296622.35				mg/L
Cl	35	20174.998	1158.93				mg/L
Kr	83	39.000	-21.67				mg/L
Br	81	7520.169	-1090.21				mg/L
P	31	20708.148	7312.24				mg/L
S	34	216734.964	28753.99				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51					
Cr	52					
Cr	53					
Mn	55					
Co	59					
Ni	60					
Cu	65					
Zn	66					
> Ge	72		85.012			
As	75					
Se	77					
Se	82					
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107					
Cd	114					
> In	115		93.986			
Sn	118					
Sb	123					
Ba	135					
Ce	140					
> Tb	159		100.950			
Ho	165					
Tl	203					
Tl	205					
Pb	206					
Pb	207					
Pb	208					
U	238					
> Bi	209		99.609			
Na	23					

Sample ID: LCSW 73 ~~WG357468-03~~ WG357168-03
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: LCSW 73 ~~WG357468-03~~ WG357168-03
Report Date/Time: Tuesday, February 22, 2011 17:15:03
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102051701

Sample Date/Time: Tuesday, February 22, 2011 17:19:38
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 55
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	27237.134	0.00				ug/L
|	Be	9	712.025	0.00	1.7722	0.053	2.981	ug/L
|	Al	27	110564364.454	243.79	12188.0343	555.455	4.557	ug/L
⌊>	Sc	45	453789.914	453789.91				ug/L
⌈	Ti	49	241293.656	0.52	398.0461	5.995	1.506	ug/L
|	V	51	474060.184	1.02	50.2311	0.503	1.001	ug/L
|	Cr	52	432964.457	0.92	53.3947	0.314	0.588	ug/L
|	Cr	53	49081.830	0.11	51.6062	1.183	2.293	ug/L
|	Mn	55	13725847.065	29.58	1122.4984	11.280	1.005	ug/L
|	Co	59	355654.534	0.77	36.3195	0.397	1.093	ug/L
|	Ni	60	145369.507	0.31	71.1093	0.884	1.243	ug/L
|	Cu	65	856119.375	1.85	406.0782	3.766	0.927	ug/L
|	Zn	66	467932.784	1.01	377.5168	5.220	1.383	ug/L
|>	Ge	72	463955.210	463955.21				ug/L
|	As	75	18461.612	0.04	18.1783	0.117	0.644	ug/L
|	Se	77	306.005	0.00	3.1917	0.287	8.982	ug/L
|	Se	82	158.972	0.00	1.7074	0.214	12.545	ug/L
⌊	Rb	85	208211.959	0.45				mg/L
	Y	89	514720.847	166938.66				ug/L
	Rh	103	284.340	274.01				ug/L
⌈	Mo	98	29408.541	0.08	12.6706	0.130	1.028	ug/L
|	Ag	107	9268.386	0.03	2.1121	0.043	2.037	ug/L
|	Cd	114	1691.249	0.00	1.6260	0.084	5.139	ug/L
|>	In	115	353664.828	353664.83				ug/L
|	Sn	118	13263.857	0.04	3.5244	0.066	1.864	ug/L
⌊	Sb	123	8362.643	0.02	2.3210	0.027	1.168	ug/L
⌈	Ba	135	13926569.928	26.62	7880.0853	241.256	3.062	ug/L
|	Ce	140	1246303.073	2.38				ug/L
⌊>	Tb	159	523383.560	523383.56				ug/L
⌈	Ho	165	19080.116	0.04				ug/L
|	Tl	203	1897.866	0.00	0.2948	0.008	2.571	ug/L
|	Tl	205	4628.201	0.01	0.3016	0.008	2.683	ug/L
|	Pb	206	2064400.925	4.54	396.7986	8.191	2.064	ug/L
|	Pb	207	1760344.261	3.87	359.3995	5.251	1.461	ug/L
|	Pb	208	8056042.441	17.70	370.4798	6.687	1.805	ug/L
|	U	238	77831.156	0.17	2.4286	0.048	1.995	ug/L
⌊>	Bi	209	454990.117	454990.12				ug/L

Sample ID: L1102051701
Report Date/Time: Tuesday, February 22, 2011 17:21:51
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⌈	Na	23	214784642.366	473.46	25.1561	0.613	2.438	mg/L
|	Mg	24	19598740.968	43.23	3.6342	0.202	5.545	mg/L
|	K	39	70162453.574	152.91	5.4861	0.400	7.296	mg/L
|	Ca	43	741598.931	1.63	26.1491	0.634	2.425	mg/L
|	Fe	54	34592408.004	76.15	37.0280	2.161	5.837	mg/L
|	Fe	57	14057239.527	30.97	36.7619	1.059	2.881	mg/L
⌊>	Sc-1	45	453789.914	453789.91				mg/L
	Cl	35	1293879.552	1274863.48				mg/L
	Kr	83	80.334	19.67				mg/L
	Br	81	37970.020	29359.64				mg/L
	P	31	288156.124	274760.22				mg/L
	S	34	543953.165	355972.19				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		88.791			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		90.100			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		104.072			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		91.679			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn	55	
Cu 65 Upper, S, EEE	Cu	65	
Zn 66 Upper, S, EEE	Zn	66	
Ba 135 Upper, S, EEE	Ba	135	
Pb 206 Upper, S, EEE	Pb	206	
Pb 208 Upper, S, EEE	Pb	208	

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Method 6020 - Summary Report

Sample ID: L1102053301

Sample Date/Time: Tuesday, February 22, 2011 17:26:27
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 56
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20939.043	0.01				ug/L
|	Be	9	10.000	0.00	-0.0160	0.021	129.268	ug/L
|	Al	27	237404.910	0.78	39.0337	2.952	7.562	ug/L
⌊>	Sc	45	299837.630	299837.63				ug/L
⌈	Ti	49	2033.745	0.00	3.4924	0.307	8.790	ug/L
|	V	51	3805.381	0.00	0.1815	0.060	33.266	ug/L
|	Cr	52	17402.309	0.02	1.3292	0.010	0.766	ug/L
|	Cr	53	6696.247	0.01	7.2998	0.160	2.198	ug/L
|	Mn	55	70716.048	0.16	6.0557	0.069	1.143	ug/L
|	Co	59	1435.451	0.00	0.1457	0.003	1.929	ug/L
|	Ni	60	2161.590	0.00	1.1078	0.062	5.562	ug/L
|	Cu	65	2179.927	0.00	1.0206	0.038	3.701	ug/L
|	Zn	66	16402.277	0.04	13.3880	0.033	0.247	ug/L
| >	Ge	72	439979.718	439979.72				ug/L
|	As	75	801.664	0.00	0.9783	0.114	11.693	ug/L
|	Se	77	377.340	0.00	4.4522	0.154	3.463	ug/L
|	Se	82	285.237	0.00	3.2258	0.351	10.885	ug/L
⌊	Rb	85	7736.069	0.02				mg/L
	Y	89	294391.611	-53390.57				ug/L
	Rh	103	99.335	89.00				ug/L
⌈	Mo	98	410.108	0.00	0.1909	0.014	7.214	ug/L
|	Ag	107	31.667	-0.00	0.0045	0.000	7.037	ug/L
|	Cd	114	73.319	0.00	0.0667	0.019	29.015	ug/L
| >	In	115	343718.659	343718.66				ug/L
|	Sn	118	920.576	0.00	0.2364	0.006	2.555	ug/L
⌊	Sb	123	459.796	0.00	0.1269	0.010	7.705	ug/L
⌈	Ba	135	52982.254	0.11	32.8219	0.244	0.744	ug/L
|	Ce	140	2393.859	0.00				ug/L
⌊>	Tb	159	478192.868	478192.87				ug/L
⌈	Ho	165	43.338	0.00				ug/L
|	Tl	203	80.001	0.00	0.0110	0.001	12.186	ug/L
|	Tl	205	200.022	0.00	0.0224	0.004	19.219	ug/L
|	Pb	206	17447.078	0.04	3.4403	0.045	1.312	ug/L
|	Pb	207	14824.485	0.03	3.1138	0.018	0.571	ug/L
|	Pb	208	68836.262	0.16	3.2484	0.056	1.718	ug/L
|	U	238	987.059	0.00	0.0307	0.001	2.858	ug/L
⌊>	Bi	209	434785.354	434785.35				ug/L

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⌈	Na	23	S	S	S	S	S	mg/L
|	Mg	24	44633276.574	148.85	12.5223	0.118	0.939	mg/L
|	K	39	7113693.811	21.85	0.7798	0.006	0.770	mg/L
|	Ca	43	144008.935	0.48	7.6772	0.113	1.477	mg/L
|	Fe	54	365268.012	1.06	0.5188	0.020	3.906	mg/L
|	Fe	57	129443.721	0.40	0.4818	0.010	2.002	mg/L
⌊>	Sc-1	45	299837.630	299837.63				mg/L
	Cl	35	5071476.127	5052460.06				mg/L
	Kr	83	50.334	-10.33				mg/L
	Br	81	177310.478	168700.10				mg/L
	P	31	160715.464	147319.56				mg/L
	S	34	351185.576	163204.60				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.202			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		87.566			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		95.086			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		87.608			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102053302 WG357168-01

Sample Date/Time: Tuesday, February 22, 2011 17:33:15
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 57
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15846.055	-0.00				ug/L
|	Be	9	13.333	0.00	-0.0001	0.014	11489.604	ug/L
|	Al	27	95438.410	0.33	16.2442	0.973	5.990	ug/L
⌊>	Sc	45	284493.976	284493.98				ug/L
⌈	Ti	49	1243.539	0.00	2.2298	0.583	26.134	ug/L
|	V	51	2654.642	0.00	0.0677	0.039	57.124	ug/L
|	Cr	52	16340.171	0.02	1.2975	0.021	1.588	ug/L
|	Cr	53	6355.990	0.01	7.2811	0.305	4.194	ug/L
|	Mn	55	47825.915	0.11	4.2902	0.030	0.705	ug/L
|	Co	59	844.711	0.00	0.0867	0.005	5.350	ug/L
|	Ni	60	1903.200	0.00	1.0249	0.038	3.743	ug/L
|	Cu	65	1010.394	0.00	0.4616	0.010	2.125	ug/L
|	Zn	66	4473.712	0.01	3.4176	0.041	1.206	ug/L
|>	Ge	72	418865.063	418865.06				ug/L
|	As	75	1111.621	0.00	1.3550	0.115	8.510	ug/L
|	Se	77	315.338	0.00	3.7861	0.362	9.552	ug/L
|	Se	82	413.505	0.00	4.8965	0.311	6.352	ug/L
⌊	Rb	85	7204.667	0.02				mg/L
	Y	89	280991.789	-66790.39				ug/L
	Rh	103	91.335	81.00				ug/L
⌈	Mo	98	380.477	0.00	0.1876	0.014	7.232	ug/L
|	Ag	107	48.334	0.00	0.0091	0.002	21.282	ug/L
|	Cd	114	4.412	0.00	-0.0022	0.014	631.627	ug/L
|>	In	115	324527.093	324527.09				ug/L
|	Sn	118	261.203	0.00	0.0594	0.005	7.948	ug/L
⌊	Sb	123	388.044	0.00	0.1128	0.006	5.331	ug/L
⌈	Ba	135	49224.054	0.11	32.6446	0.275	0.841	ug/L
|	Ce	140	933.471	0.00				ug/L
⌊>	Tb	159	446627.160	446627.16				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	113.002	0.00	0.0173	0.002	11.308	ug/L
|	Tl	205	223.358	0.00	0.0245	0.001	2.701	ug/L
|	Pb	206	529.353	0.00	0.0433	0.003	7.032	ug/L
|	Pb	207	420.680	0.00	0.0412	0.008	18.379	ug/L
|	Pb	208	1973.762	0.00	0.0372	0.003	8.380	ug/L
|	U	238	816.708	0.00	0.0265	0.001	4.611	ug/L
⌊>	Bi	209	413466.757	413466.76				ug/L

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⌈	Na	23	S	S	S	S	S	mg/L
|	Mg	24	40851460.537	143.53	12.0748	0.442	3.665	mg/L
|	K	39	6837199.185	22.16	0.7910	0.021	2.610	mg/L
|	Ca	43	135323.442	0.48	7.6051	0.224	2.947	mg/L
|	Fe	54	157079.184	0.39	0.1949	0.007	3.362	mg/L
|	Fe	57	42176.524	0.12	0.1452	0.004	2.814	mg/L
⌊>	Sc-1	45	284493.976	284493.98				mg/L
	Cl	35	4725260.747	4706244.68				mg/L
	Kr	83	58.667	-2.00				mg/L
	Br	81	257226.145	248615.77				mg/L
	P	31	144257.792	130861.89				mg/L
	S	34	347331.091	159350.11				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		80.161			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		82.677			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		88.809			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		83.312			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102053302 WG357168-01
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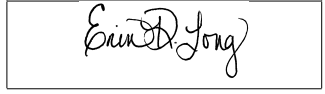

Method 6020 - Summary Report

Sample ID: L1102053302S WG357168-04

Sample Date/Time: Tuesday, February 22, 2011 17:40:04
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 58
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16981.349	0.00				ug/L
|	Be	9	6271.301	0.02	25.6437	0.165	0.644	ug/L
|	Al	27	165660.956	0.57	28.6362	0.796	2.778	ug/L
⌊>	Sc	45	284235.847	284235.85				ug/L
⌈	Ti	49	466.724	0.00	0.8147	0.051	6.284	ug/L
|	V	51	231668.405	0.55	27.1490	0.649	2.391	ug/L
|	Cr	52	206174.845	0.48	27.7801	0.557	2.004	ug/L
|	Cr	53	27313.334	0.06	31.8480	1.301	4.086	ug/L
|	Mn	55	335608.759	0.80	30.4378	0.406	1.334	ug/L
|	Co	59	226446.524	0.54	25.6782	0.135	0.527	ug/L
|	Ni	60	48132.723	0.12	26.1367	0.230	0.881	ug/L
|	Cu	65	49446.805	0.12	25.9768	0.411	1.584	ug/L
|	Zn	66	31741.954	0.08	27.8906	0.256	0.917	ug/L
⌊>	Ge	72	417819.846	417819.85				ug/L
|	As	75	23131.761	0.06	25.2295	0.293	1.162	ug/L
|	Se	77	1754.154	0.00	25.6486	0.858	3.345	ug/L
|	Se	82	2095.452	0.01	24.7957	0.780	3.144	ug/L
⌊	Rb	85	6922.466	0.02				mg/L
	Y	89	280127.011	-67655.17				ug/L
	Rh	103	88.668	78.33				ug/L
⌈	Mo	98	358.658	0.00	0.1735	0.010	5.939	ug/L
|	Ag	107	93834.650	0.28	22.8129	0.153	0.671	ug/L
|	Cd	114	25008.896	0.08	25.7277	1.007	3.913	ug/L
⌊>	In	115	331829.450	331829.45				ug/L
|	Sn	118	490.145	0.00	0.1228	0.002	1.485	ug/L
⌊	Sb	123	85540.396	0.26	25.3545	0.313	1.234	ug/L
⌈	Ba	135	86679.935	0.19	56.0645	0.259	0.462	ug/L
|	Ce	140	640.085	0.00				ug/L
⌊>	Tb	159	457865.401	457865.40				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	159144.835	0.37	26.3100	0.705	2.679	ug/L
|	Tl	205	398658.579	0.93	26.6430	0.402	1.510	ug/L
|	Pb	206	135341.562	0.31	27.4113	0.454	1.658	ug/L
|	Pb	207	117658.188	0.27	25.3275	0.250	0.987	ug/L
|	Pb	208	550224.487	1.27	26.6720	0.370	1.386	ug/L
|	U	238	871526.866	2.02	28.7274	0.570	1.983	ug/L
⌊>	Bi	209	430770.056	430770.06				ug/L

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⌈	Na	23	S	S	S	S	S	mg/L
|	Mg	24	42760477.810	150.50	12.6613	0.269	2.128	mg/L
|	K	39	6818414.332	22.13	0.7900	0.041	5.241	mg/L
|	Ca	43	134724.947	0.47	7.5823	0.342	4.509	mg/L
|	Fe	54	148958.161	0.36	0.1814	0.014	7.630	mg/L
|	Fe	57	38471.058	0.11	0.1302	0.009	6.822	mg/L
⌊>	Sc-1	45	284235.847	284235.85				mg/L
	Cl	35	4740885.744	4721869.67				mg/L
	Kr	83	53.667	-7.00				mg/L
	Br	81	172420.532	163810.16				mg/L
	P	31	143448.950	130053.05				mg/L
	S	34	325954.451	137973.47				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		79.961			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		84.537			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		91.044			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		86.799			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102053302S WG357168-04
Report Date/Time: Tuesday, February 22, 2011 17:42:17
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Method 6020 - Summary Report

Sample ID: L1102053302SD WG357168-05

Sample Date/Time: Tuesday, February 22, 2011 17:46:51
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 59
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17699.104	0.01				ug/L
|	Be	9	6625.533	0.02	28.1147	1.769	6.292	ug/L
|	Al	27	269534.749	0.98	48.6660	0.847	1.740	ug/L
⌊>	Sc	45	273968.909	273968.91				ug/L
⌈	Ti	49	866.791	0.00	1.5944	0.180	11.291	ug/L
|	V	51	234844.271	0.57	28.3108	0.452	1.597	ug/L
|	Cr	52	211538.618	0.50	29.3631	0.356	1.214	ug/L
|	Cr	53	29569.982	0.07	35.4554	0.791	2.230	ug/L
|	Mn	55	348105.472	0.86	32.4712	0.405	1.247	ug/L
|	Co	59	233660.001	0.58	27.2538	0.461	1.691	ug/L
|	Ni	60	49993.826	0.12	27.9214	0.379	1.357	ug/L
|	Cu	65	50850.134	0.12	27.4808	0.502	1.828	ug/L
|	Zn	66	32144.240	0.08	29.0767	0.772	2.654	ug/L
| >	Ge	72	406310.496	406310.50				ug/L
|	As	75	23895.369	0.06	26.8016	0.787	2.935	ug/L
|	Se	77	1759.488	0.00	26.5029	1.114	4.205	ug/L
|	Se	82	2215.553	0.01	26.9688	0.712	2.639	ug/L
⌊	Rb	85	7540.918	0.02				mg/L
	Y	89	269295.349	-78486.83				ug/L
	Rh	103	90.001	79.67				ug/L
⌈	Mo	98	364.284	0.00	0.1811	0.011	5.799	ug/L
|	Ag	107	98045.183	0.30	24.5334	0.435	1.772	ug/L
|	Cd	114	24706.376	0.08	26.1471	0.874	3.343	ug/L
| >	In	115	322421.782	322421.78				ug/L
|	Sn	118	244.670	0.00	0.0550	0.003	5.903	ug/L
⌊	Sb	123	87985.181	0.27	26.8435	0.565	2.103	ug/L
⌈	Ba	135	89114.210	0.20	58.7922	0.695	1.183	ug/L
|	Ce	140	1040.158	0.00				ug/L
⌊>	Tb	159	448930.084	448930.08				ug/L
⌈	Ho	165	26.669	0.00				ug/L
|	Tl	203	164831.007	0.39	27.8727	0.941	3.374	ug/L
|	Tl	205	407449.289	0.97	27.8530	0.812	2.916	ug/L
|	Pb	206	141549.956	0.34	29.3287	0.519	1.768	ug/L
|	Pb	207	122740.619	0.29	27.0282	0.513	1.897	ug/L
|	Pb	208	573812.389	1.36	28.4547	0.611	2.149	ug/L
|	U	238	909542.350	2.16	30.6793	0.627	2.045	ug/L
⌊>	Bi	209	421224.194	421224.19				ug/L

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⌈	Na	23	S	S	S	S	S	mg/L
|	Mg	24	43113608.278	157.37	13.2389	0.309	2.330	mg/L
|	K	39	7023342.459	23.75	0.8482	0.011	1.258	mg/L
|	Ca	43	139479.973	0.51	8.1365	0.100	1.230	mg/L
|	Fe	54	170120.207	0.46	0.2282	0.004	1.594	mg/L
|	Fe	57	46636.543	0.14	0.1714	0.006	3.583	mg/L
⌊>	Sc-1	45	273968.909	273968.91				mg/L
	Cl	35	4863702.929	4844686.86				mg/L
	Kr	83	45.001	-15.67				mg/L
	Br	81	195392.734	186782.36				mg/L
	P	31	143887.159	130491.26				mg/L
	S	34	337940.804	149959.83				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		77.759			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		82.140			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		89.267			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		84.875			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: L1102054513

Sample Date/Time: Tuesday, February 22, 2011 17:53:37
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 60
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19335.357	0.01				ug/L
|	Be	9	8.000	0.00	-0.0225	0.008	33.442	ug/L
|	Al	27	136087.371	0.47	23.3063	0.795	3.413	ug/L
⌊>	Sc	45	285677.800	285677.80				ug/L
⌈	Ti	49	550.070	0.00	0.9153	0.144	15.713	ug/L
|	V	51	2945.586	0.00	0.0850	0.008	9.948	ug/L
|	Cr	52	15450.083	0.02	1.0671	0.021	1.978	ug/L
|	Cr	53	1803.677	0.00	1.8580	0.072	3.887	ug/L
|	Mn	55	14036.710	0.03	1.1659	0.105	9.025	ug/L
|	Co	59	290.007	0.00	0.0223	0.002	7.131	ug/L
|	Ni	60	672.696	0.00	0.3402	0.026	7.533	ug/L
|	Cu	65	445.348	0.00	0.1531	0.015	9.988	ug/L
|	Zn	66	4324.374	0.01	3.0871	1.141	36.976	ug/L
| >	Ge	72	440713.648	440713.65				ug/L
|	As	75	-51.377	0.00	0.0995	0.032	31.669	ug/L
|	Se	77	65.334	0.00	-0.0533	0.103	193.046	ug/L
|	Se	82	18.902	0.00	0.2294	0.186	81.038	ug/L
⌊	Rb	85	458.682	0.00				mg/L
	Y	89	289315.934	-58466.25				ug/L
	Rh	103	7.333	-3.00				ug/L
⌈	Mo	98	268.760	0.00	0.1208	0.008	6.369	ug/L
|	Ag	107	59.668	0.00	0.0103	0.011	107.858	ug/L
|	Cd	114	8.311	0.00	0.0010	0.005	466.766	ug/L
| >	In	115	366011.247	366011.25				ug/L
|	Sn	118	455.344	0.00	0.1007	0.008	7.896	ug/L
⌊	Sb	123	59.283	0.00	0.0111	0.002	19.818	ug/L
⌈	Ba	135	457.015	0.00	0.2827	0.017	6.182	ug/L
|	Ce	140	1330.221	0.00				ug/L
⌊>	Tb	159	502538.227	502538.23				ug/L
⌈	Ho	165	36.670	0.00				ug/L
|	Tl	203	234.338	0.00	0.0318	0.007	21.689	ug/L
|	Tl	205	673.424	0.00	0.0484	0.008	15.703	ug/L
|	Pb	206	540.020	0.00	0.0272	0.005	16.897	ug/L
|	Pb	207	443.014	0.00	0.0302	0.007	21.917	ug/L
|	Pb	208	2164.783	0.00	0.0292	0.003	10.533	ug/L
|	U	238	287.340	0.00	0.0067	0.000	4.344	ug/L
⌊>	Bi	209	492440.807	492440.81				ug/L

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⌈	Na	23	305318.670	1.00	0.0502	0.003	5.753	mg/L
|	Mg	24	111610.490	0.39	0.0289	0.001	5.048	mg/L
|	K	39	806631.490	0.94	0.0291	0.001	3.256	mg/L
|	Ca	43	1673.641	0.01	0.0833	0.003	4.169	mg/L
|	Fe	54	148827.944	0.36	0.1800	0.014	7.599	mg/L
|	Fe	57	29747.166	0.08	0.0931	0.008	8.433	mg/L
⌊>	Sc-1	45	285677.800	285677.80				mg/L
	Cl	35	70181.415	51165.35				mg/L
	Kr	83	49.667	-11.00				mg/L
	Br	81	21959.420	13349.04				mg/L
	P	31	17562.135	4166.23				mg/L
	S	34	211930.255	23949.28				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.343			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		93.245			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		99.927			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		99.225			
⌈	Na	23					

Sample ID: L1102054513
Report Date/Time: Tuesday, February 22, 2011 17:55:49

Approved: February 23, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102054513PS WG357217-01

Sample Date/Time: Tuesday, February 22, 2011 18:00:23
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 61
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	26668.861	0.02				ug/L
|	Be	9	17819.883	0.05	62.0585	6.057	9.760	ug/L
|	Al	27	483054.249	1.43	71.5423	1.499	2.096	ug/L
⌊>	Sc	45	335341.152	335341.15				ug/L
⌈	Ti	49	640.085	0.00	0.9468	0.060	6.348	ug/L
|	V	51	585980.770	1.18	58.0731	0.444	0.765	ug/L
|	Cr	52	513397.406	1.02	59.2905	1.314	2.216	ug/L
|	Cr	53	61058.622	0.12	60.0445	0.816	1.359	ug/L
|	Mn	55	760926.815	1.53	58.1341	0.833	1.433	ug/L
|	Co	59	619551.259	1.25	59.1556	0.834	1.409	ug/L
|	Ni	60	129363.697	0.26	59.1486	1.045	1.767	ug/L
|	Cu	65	133388.115	0.27	59.0788	0.399	0.676	ug/L
|	Zn	66	67385.299	0.13	50.3034	0.146	0.291	ug/L
| >	Ge	72	496332.162	496332.16				ug/L
|	As	75	51658.540	0.10	47.3007	0.596	1.261	ug/L
|	Se	77	3611.986	0.01	45.2050	1.209	2.675	ug/L
|	Se	82	4553.400	0.01	45.3526	0.732	1.615	ug/L
⌊	Rb	85	485.017	0.00				mg/L
	Y	89	326929.821	-20852.36				ug/L
	Rh	103	24.334	14.00				ug/L
⌈	Mo	98	311.985	0.00	0.1177	0.005	4.644	ug/L
|	Ag	107	278523.649	0.64	51.4445	1.141	2.218	ug/L
|	Cd	114	63683.856	0.15	49.7371	1.329	2.672	ug/L
| >	In	115	436916.348	436916.35				ug/L
|	Sn	118	627.086	0.00	0.1189	0.005	4.251	ug/L
⌊	Sb	123	218515.074	0.50	49.2041	1.454	2.955	ug/L
⌈	Ba	135	97682.078	0.16	48.4764	0.963	1.987	ug/L
|	Ce	140	1646.967	0.00				ug/L
⌊>	Tb	159	596929.409	596929.41				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	465896.075	0.78	55.1823	1.506	2.730	ug/L
|	Tl	205	1142096.160	1.90	54.6909	2.158	3.946	ug/L
|	Pb	206	389342.937	0.65	56.5870	2.240	3.958	ug/L
|	Pb	207	337280.904	0.56	52.0688	0.569	1.093	ug/L
|	Pb	208	1584884.949	2.63	55.1116	1.032	1.873	ug/L
|	U	238	2300677.353	3.83	54.3614	1.095	2.015	ug/L
⌊>	Bi	209	601293.410	601293.41				ug/L

Sample ID: L1102054513PS WG357217-01
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⌈	Na	23	312007.177	0.87	0.0429	0.003	7.971	mg/L
|	Mg	24	132029.467	0.39	0.0292	0.002	8.529	mg/L
|	K	39	817231.155	0.56	0.0154	0.004	28.949	mg/L
|	Ca	43	1700.315	0.00	0.0710	0.006	8.721	mg/L
|	Fe	54	165396.976	0.33	0.1666	0.012	7.325	mg/L
|	Fe	57	35218.883	0.08	0.0940	0.004	4.257	mg/L
⌊>	Sc-1	45	335341.152	335341.15				mg/L
	Cl	35	70509.732	51493.66				mg/L
	Kr	83	42.334	-18.33				mg/L
	Br	81	15697.653	7087.28				mg/L
	P	31	27766.852	14370.95				mg/L
	S	34	245737.733	57756.76				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.987			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		111.309			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		118.696			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		121.158			
⌈	Na	23					

Sample ID: L1102054513PS WG357217-01
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Bi 209 Int Std for sam	Bi	209	Rerun for AFCEE sample

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102054513SDL WG357217-02

Sample Date/Time: Tuesday, February 22, 2011 18:07:10
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 62
Method File: C:\elandata\Method\6020a.mth
Sample Description: 5

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25031.330	0.02				ug/L
|	Be	9	6.667	0.00	-0.0315	0.004	13.469	ug/L
|	Al	27	44850.498	0.13	6.2818	0.211	3.365	ug/L
|>	Sc	45	329577.157	329577.16				ug/L
⌈	Ti	49	163.351	0.00	0.2033	0.039	19.230	ug/L
|	V	51	2374.980	-0.00	-0.0162	0.012	72.640	ug/L
|	Cr	52	9516.623	0.00	0.1066	0.040	37.511	ug/L
|	Cr	53	630.084	0.00	0.4561	0.136	29.733	ug/L
|	Mn	55	3722.730	0.01	0.2334	0.003	1.239	ug/L
|	Co	59	133.002	0.00	0.0034	0.001	29.552	ug/L
|	Ni	60	237.672	0.00	0.0991	0.009	9.295	ug/L
|	Cu	65	200.671	0.00	0.0169	0.007	42.178	ug/L
|	Zn	66	2700.059	0.00	1.3894	0.099	7.158	ug/L
|>	Ge	72	512653.317	512653.32				ug/L
|	As	75	-120.284	0.00	0.0465	0.046	99.820	ug/L
|	Se	77	70.667	0.00	-0.1191	0.026	21.570	ug/L
|	Se	82	12.652	0.00	0.1392	0.046	33.317	ug/L
⌊	Rb	85	125.002	0.00				mg/L
	Y	89	332762.009	-15020.17				ug/L
	Rh	103	9.000	-1.33				ug/L
⌈	Mo	98	77.348	0.00	0.0348	0.002	4.540	ug/L
|	Ag	107	31.334	-0.00	0.0027	0.001	36.894	ug/L
|	Cd	114	10.238	0.00	0.0009	0.002	226.061	ug/L
|>	In	115	454407.646	454407.65				ug/L
|	Sn	118	172.135	0.00	0.0191	0.001	5.465	ug/L
⌊	Sb	123	448.674	0.00	0.0922	0.013	14.643	ug/L
⌈	Ba	135	123.669	0.00	0.0734	0.005	6.834	ug/L
|	Ce	140	320.037	0.00				ug/L
|>	Tb	159	609564.016	609564.02				ug/L
⌈	Ho	165	0.000	-0.00				ug/L
|	Tl	203	67.001	0.00	0.0055	0.002	27.492	ug/L
|	Tl	205	146.682	0.00	0.0158	0.002	9.989	ug/L
|	Pb	206	543.354	0.00	0.0078	0.004	47.441	ug/L
|	Pb	207	466.016	0.00	0.0163	0.008	46.475	ug/L
|	Pb	208	2187.784	0.00	0.0109	0.004	40.803	ug/L
|	U	238	155.003	0.00	0.0020	0.000	13.485	ug/L
|>	Bi	209	621050.518	621050.52				ug/L

Approved: February 23, 2011

⌈	Na	23	120777.053	0.30	0.0128	0.000	2.703	mg/L
|	Mg	24	29422.831	0.09	0.0034	0.000	2.307	mg/L
|	K	39	614091.359	-0.02	-0.0054	0.002	28.400	mg/L
|	Ca	43	626.749	0.00	0.0201	0.004	18.637	mg/L
|	Fe	54	71760.421	0.06	0.0322	0.003	9.980	mg/L
|	Fe	57	12428.967	0.01	0.0141	0.002	11.773	mg/L
⌊>	Sc-1	45	329577.157	329577.16				mg/L
	Cl	35	31115.671	12099.60				mg/L
	Kr	83	40.000	-20.67				mg/L
	Br	81	12000.534	3390.16				mg/L
	P	31	15308.415	1912.51				mg/L
	S	34	242208.176	54227.20				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		98.110			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		115.765			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		121.208			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		125.139			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
Tb 159 Int Std for sam	Tb	159	Rerun for AFCEE sample
Bi 209 Int Std for sam	Bi	209	Rerun for AFCEE sample

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 18:13:56
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22041.019	0.01				ug/L
|	Be	9	16058.221	0.05	61.5666	4.240	6.887	ug/L
|	Al	27	311357.476	1.02	50.7028	1.706	3.365	ug/L
⌊>	Sc	45	304197.649	304197.65				ug/L
⌈	Ti	49	65705.042	0.14	103.3565	0.833	0.806	ug/L
|	V	51	512459.354	1.05	51.8085	1.253	2.419	ug/L
|	Cr	52	433761.725	0.88	50.9944	1.539	3.018	ug/L
|	Cr	53	50592.775	0.10	50.7545	1.441	2.838	ug/L
|	Mn	55	654275.649	1.34	51.0064	1.884	3.693	ug/L
|	Co	59	542674.454	1.12	52.8816	1.468	2.777	ug/L
|	Ni	60	113426.020	0.23	52.9234	1.255	2.372	ug/L
|	Cu	65	116697.255	0.24	52.7441	0.955	1.810	ug/L
|	Zn	66	68145.463	0.14	51.9388	0.980	1.887	ug/L
| >	Ge	72	486310.967	486310.97				ug/L
|	As	75	52152.519	0.11	48.7299	0.426	0.874	ug/L
|	Se	77	3890.757	0.01	49.7897	0.890	1.788	ug/L
|	Se	82	4853.242	0.01	49.3312	0.557	1.129	ug/L
⌊	Rb	85	2016.557	0.00				mg/L
	Y	89	312589.051	-35193.13				ug/L
	Rh	103	25.334	15.00				ug/L
⌈	Mo	98	250726.634	0.62	94.4017	1.071	1.135	ug/L
|	Ag	107	254285.120	0.63	50.7296	0.710	1.400	ug/L
|	Cd	114	59366.656	0.15	50.1029	0.991	1.977	ug/L
| >	In	115	404400.757	404400.76				ug/L
|	Sn	118	211148.579	0.52	49.2692	0.438	0.889	ug/L
⌊	Sb	123	201700.195	0.50	49.0508	0.384	0.782	ug/L
⌈	Ba	135	86737.838	0.16	46.5521	1.341	2.880	ug/L
|	Ce	140	56.673	0.00				ug/L
⌊>	Tb	159	551914.159	551914.16				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	391970.529	0.71	50.8564	1.562	3.071	ug/L
|	Tl	205	967624.876	1.77	50.8039	4.465	8.788	ug/L
|	Pb	206	317987.020	0.58	50.6444	3.126	6.173	ug/L
|	Pb	207	293906.363	0.54	49.7295	2.307	4.639	ug/L
|	Pb	208	1327464.617	2.42	50.5776	2.151	4.253	ug/L
|	U	238	1976017.120	3.60	51.1591	2.011	3.930	ug/L
⌊>	Bi	209	548932.967	548932.97				ug/L

Sample ID: QC Std 6
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Na	23	29942675.507	98.50	5.2308	0.234	4.480	mg/L	
Mg	24	18880407.196	62.14	5.2253	0.195	3.724	mg/L	
K	39	44837657.050	145.77	5.2296	0.315	6.019	mg/L	
Ca	43	99590.213	0.33	5.2375	0.299	5.699	mg/L	
Fe	54	3202804.080	10.39	5.0554	0.319	6.301	mg/L	
Fe	57	1356406.269	4.44	5.2760	0.447	8.477	mg/L	
> Sc-1	45	304197.649	304197.65				mg/L	
Cl	35	21336.080	2320.01				mg/L	
Kr	83	38.667	-22.00				mg/L	
Br	81	10421.429	1811.05				mg/L	
P	31	11306.402	-2089.50				mg/L	
S	34	227643.309	39662.33				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	103.617				
Cr	52	101.989				
Cr	53					
Mn	55	102.013				
Co	59	105.763				
Ni	60	105.847				
Cu	65	105.488				
Zn	66	103.878				
> Ge	72		93.069			
As	75	97.460				
Se	77					
Se	82	98.662				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	101.459				
Cd	114	100.206				
> In	115		103.025			
Sn	118					
Sb	123	98.102				
Ba	135	93.104				
Ce	140					
> Tb	159		109.745			
Ho	165					
Tl	203	101.713				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.155				
U	238	102.318				
> Bi	209		110.608			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 18:16:09

Approved: February 23, 2011

Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 18:16:09
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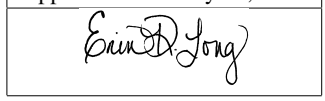

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 18:21:12
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23427.425	0.02				ug/L
|	Be	9	10.000	0.00	-0.0178	0.015	86.946	ug/L
|	Al	27	3717.366	0.00	0.0756	0.091	120.896	ug/L
⌊>	Sc	45	312990.709	312990.71				ug/L
⌈	Ti	49	56.672	0.00	0.0492	0.019	37.883	ug/L
|	V	51	2127.628	-0.00	-0.0288	0.007	22.693	ug/L
|	Cr	52	7271.049	-0.00	-0.1037	0.022	21.162	ug/L
|	Cr	53	340.040	0.00	0.1982	0.013	6.777	ug/L
|	Mn	55	350.676	0.00	-0.0148	0.000	1.053	ug/L
|	Co	59	52.334	-0.00	-0.0038	0.001	20.136	ug/L
|	Ni	60	49.001	0.00	0.0168	0.003	20.800	ug/L
|	Cu	65	127.002	0.00	-0.0117	0.003	25.668	ug/L
|	Zn	66	559.021	0.00	-0.1543	0.029	18.590	ug/L
|>	Ge	72	486072.762	486072.76				ug/L
|	As	75	-113.731	0.00	0.0467	0.050	106.963	ug/L
|	Se	77	56.667	-0.00	-0.2537	0.069	27.041	ug/L
|	Se	82	11.661	0.00	0.1358	0.065	47.537	ug/L
⌊	Rb	85	22.334	0.00				mg/L
	Y	89	312515.610	-35266.57				ug/L
	Rh	103	8.000	-2.33				ug/L
⌈	Mo	98	97.650	0.00	0.0460	0.005	9.960	ug/L
|	Ag	107	28.334	-0.00	0.0028	0.000	16.520	ug/L
|	Cd	114	-2.133	-0.00	-0.0086	0.002	20.694	ug/L
|>	In	115	400878.193	400878.19				ug/L
|	Sn	118	279.604	0.00	0.0492	0.003	7.111	ug/L
⌊	Sb	123	91.367	0.00	0.0175	0.004	22.356	ug/L
⌈	Ba	135	21.667	0.00	0.0250	0.002	6.948	ug/L
|	Ce	140	20.002	-0.00				ug/L
⌊>	Tb	159	548062.611	548062.61				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	45.001	0.00	0.0036	0.001	27.672	ug/L
|	Tl	205	103.344	0.00	0.0144	0.001	10.092	ug/L
|	Pb	206	453.348	0.00	0.0032	0.003	102.220	ug/L
|	Pb	207	418.346	0.00	0.0171	0.005	26.779	ug/L
|	Pb	208	1845.085	0.00	0.0072	0.002	34.529	ug/L
|	U	238	120.669	0.00	0.0016	0.000	22.786	ug/L
⌊>	Bi	209	551277.794	551277.79				ug/L

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⌈	Na	23	38491.159	0.06	-0.0001	0.000	50.161	mg/L
|	Mg	24	806.781	0.00	-0.0038	0.000	1.337	mg/L
|	K	39	560517.119	-0.09	-0.0080	0.001	6.585	mg/L
|	Ca	43	196.688	-0.00	-0.0003	0.003	852.249	mg/L
|	Fe	54	43792.475	-0.02	-0.0056	0.003	61.428	mg/L
|	Fe	57	6542.797	-0.01	-0.0059	0.001	14.790	mg/L
⌊>	Sc-1	45	312990.709	312990.71				mg/L
	Cl	35	20307.265	1291.20				mg/L
	Kr	83	39.000	-21.67				mg/L
	Br	81	9278.970	668.59				mg/L
	P	31	10863.916	-2531.99				mg/L
	S	34	220430.232	32449.25				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.024			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.128			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		108.979			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		111.080			
⌈	Na	23					

Sample ID: QC Std 7
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 18:23:23

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102054712

Sample Date/Time: Tuesday, February 22, 2011 18:27:58
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 63
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	24931.276	0.02				ug/L
|	Be	9	8.667	0.00	-0.0246	0.017	69.276	ug/L
|	Al	27	28273.609	0.08	3.7861	0.587	15.492	ug/L
⌊>	Sc	45	328872.988	328872.99				ug/L
⌈	Ti	49	203.356	0.00	0.2781	0.099	35.459	ug/L
|	V	51	2573.815	0.00	0.0150	0.010	63.947	ug/L
|	Cr	52	11544.109	0.01	0.4006	0.018	4.392	ug/L
|	Cr	53	753.438	0.00	0.6100	0.126	20.604	ug/L
|	Mn	55	2818.760	0.01	0.1767	0.018	10.194	ug/L
|	Co	59	149.003	0.00	0.0056	0.001	25.551	ug/L
|	Ni	60	435.347	0.00	0.1960	0.003	1.444	ug/L
|	Cu	65	362.010	0.00	0.0937	0.016	17.128	ug/L
|	Zn	66	2281.950	0.00	1.1644	0.053	4.591	ug/L
|>	Ge	72	488812.729	488812.73				ug/L
|	As	75	-135.064	0.00	0.0270	0.047	174.516	ug/L
|	Se	77	76.667	0.00	0.0020	0.176	8763.571	ug/L
|	Se	82	7.658	0.00	0.0940	0.066	70.670	ug/L
⌊	Rb	85	106.002	0.00				mg/L
	Y	89	318118.822	-29663.36				ug/L
	Rh	103	9.333	-1.00				ug/L
⌈	Mo	98	158.943	0.00	0.0656	0.002	2.937	ug/L
|	Ag	107	25.667	-0.00	0.0019	0.001	56.604	ug/L
|	Cd	114	5.240	0.00	-0.0025	0.003	126.963	ug/L
|>	In	115	427379.609	427379.61				ug/L
|	Sn	118	1009.251	0.00	0.2062	0.010	4.616	ug/L
⌊	Sb	123	120.244	0.00	0.0228	0.002	9.855	ug/L
⌈	Ba	135	224.338	0.00	0.1260	0.014	11.357	ug/L
|	Ce	140	100.011	0.00				ug/L
⌊>	Tb	159	590142.100	590142.10				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	29.334	0.00	0.0014	0.001	59.751	ug/L
|	Tl	205	66.674	0.00	0.0123	0.001	6.518	ug/L
|	Pb	206	722.033	0.00	0.0398	0.005	13.809	ug/L
|	Pb	207	614.692	0.00	0.0448	0.003	6.596	ug/L
|	Pb	208	2844.521	0.00	0.0396	0.004	9.591	ug/L
|	U	238	87.001	0.00	0.0006	0.000	42.482	ug/L
⌊>	Bi	209	581572.535	581572.54				ug/L

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⌈	Na	23	129172.190	0.33	0.0142	0.001	8.163	mg/L
|	Mg	24	16041.129	0.05	0.0000	0.000	77.068	mg/L
|	K	39	598155.035	-0.06	-0.0070	0.002	22.068	mg/L
|	Ca	43	610.080	0.00	0.0194	0.001	3.851	mg/L
|	Fe	54	106108.263	0.16	0.0833	0.005	6.004	mg/L
|	Fe	57	9455.419	0.00	0.0035	0.002	67.150	mg/L
⌊>	Sc-1	45	328872.988	328872.99				mg/L
	Cl	35	25058.696	6042.63				mg/L
	Kr	83	39.334	-21.33				mg/L
	Br	81	12071.284	3460.91				mg/L
	P	31	25786.744	12390.84				mg/L
	S	34	230338.187	42357.21				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.548			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		108.879			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		117.347			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		117.185			
⌈	Na	23					

Sample ID: L1102054712
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: F BLANK

Sample Date/Time: Tuesday, February 22, 2011 18:34:45
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 64
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21456.382	0.01				ug/L
|	Be	9	6.667	0.00	-0.0295	0.004	14.158	ug/L
|	Al	27	4050.840	0.01	0.1463	0.116	79.122	ug/L
⌊>	Sc	45	303539.602	303539.60				ug/L
⌈	Ti	49	46.671	-0.00	0.0336	0.024	72.713	ug/L
|	V	51	2232.897	-0.00	-0.0179	0.008	46.757	ug/L
|	Cr	52	7226.016	-0.00	-0.1082	0.018	16.412	ug/L
|	Cr	53	260.029	0.00	0.1181	0.002	1.568	ug/L
|	Mn	55	510.685	0.00	-0.0023	0.002	71.759	ug/L
|	Co	59	55.334	-0.00	-0.0035	0.000	11.137	ug/L
|	Ni	60	60.334	0.00	0.0221	0.002	8.725	ug/L
|	Cu	65	116.002	0.00	-0.0167	0.007	43.271	ug/L
|	Zn	66	1617.480	0.00	0.6633	0.038	5.792	ug/L
| >	Ge	72	485503.115	485503.12				ug/L
|	As	75	-114.263	0.00	0.0460	0.067	146.811	ug/L
|	Se	77	50.000	-0.00	-0.3398	0.165	48.578	ug/L
|	Se	82	7.244	0.00	0.0912	0.165	180.715	ug/L
⌊	Rb	85	30.334	0.00				mg/L
	Y	89	304350.967	-43431.22				ug/L
	Rh	103	7.333	-3.00				ug/L
⌈	Mo	98	46.530	0.00	0.0270	0.002	8.313	ug/L
|	Ag	107	15.333	-0.00	0.0003	0.000	159.321	ug/L
|	Cd	114	3.859	-0.00	-0.0034	0.002	44.344	ug/L
| >	In	115	392491.013	392491.01				ug/L
|	Sn	118	126.934	0.00	0.0139	0.001	5.848	ug/L
⌊	Sb	123	46.453	-0.00	0.0068	0.003	45.059	ug/L
⌈	Ba	135	24.000	0.00	0.0265	0.003	10.476	ug/L
|	Ce	140	30.003	0.00				ug/L
⌊>	Tb	159	540964.864	540964.86				ug/L
⌈	Ho	165	3.334	-0.00				ug/L
|	Tl	203	39.000	0.00	0.0030	0.001	50.674	ug/L
|	Tl	205	73.341	0.00	0.0129	0.001	11.301	ug/L
|	Pb	206	452.348	0.00	0.0043	0.005	116.537	ug/L
|	Pb	207	370.011	0.00	0.0100	0.001	14.714	ug/L
|	Pb	208	1735.743	0.00	0.0042	0.001	23.738	ug/L
|	U	238	18.334	-0.00	-0.0011	0.000	5.953	ug/L
⌊>	Bi	209	542571.724	542571.72				ug/L

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⌈	Na	23	50230.895	0.10	0.0021	0.000	16.579	mg/L
|	Mg	24	1713.652	0.00	-0.0036	0.000	0.598	mg/L
|	K	39	570498.810	-0.00	-0.0048	0.002	35.202	mg/L
|	Ca	43	243.361	-0.00	0.0025	0.003	105.629	mg/L
|	Fe	54	30947.669	-0.06	-0.0241	0.003	14.491	mg/L
|	Fe	57	6833.018	-0.00	-0.0040	0.001	26.916	mg/L
⌊>	Sc-1	45	303539.602	303539.60				mg/L
	Cl	35	18899.178	-116.89				mg/L
	Kr	83	48.667	-12.00				mg/L
	Br	81	9060.109	449.73				mg/L
	P	31	10403.416	-2992.49				mg/L
	S	34	217175.627	29194.65				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		92.914			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.991			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		107.568			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		109.326			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

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Method 6020 - Summary Report

Sample ID: QC Std 4

Sample Date/Time: Tuesday, February 22, 2011 18:41:32
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 6
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22542.237	0.02				ug/L
|	Be	9	7.333	0.00	-0.0264	0.025	95.131	ug/L
|	Al	27	28321629.271	95.48	4773.2209	173.719	3.639	ug/L
⌊>	Sc	45	296669.917	296669.92				ug/L
⌈	Ti	49	62561.413	0.13	100.0466	3.091	3.090	ug/L
|	V	51	1817.301	-0.00	-0.0574	0.012	21.276	ug/L
|	Cr	52	7665.013	-0.00	-0.0419	0.007	16.328	ug/L
|	Cr	53	1446.917	0.00	1.3364	0.217	16.253	ug/L
|	Mn	55	4103.550	0.01	0.2833	0.003	0.928	ug/L
|	Co	59	2098.241	0.00	0.1990	0.003	1.268	ug/L
|	Ni	60	1292.097	0.00	0.6068	0.037	6.142	ug/L
|	Cu	65	930.386	0.00	0.3588	0.028	7.895	ug/L
|	Zn	66	1026.730	0.00	0.2188	0.032	14.835	ug/L
| >	Ge	72	478401.943	478401.94				ug/L
|	As	75	-159.802	0.00	0.0009	0.031	3395.198	ug/L
|	Se	77	122.667	0.00	0.6339	0.075	11.794	ug/L
|	Se	82	5.241	0.00	0.0709	0.037	51.844	ug/L
⌊	Rb	85	1761.839	0.00				mg/L
	Y	89	290082.590	-57699.59				ug/L
	Rh	103	14.333	4.00				ug/L
⌈	Mo	98	234686.570	0.61	92.7236	1.079	1.163	ug/L
|	Ag	107	61.667	0.00	0.0100	0.001	9.792	ug/L
|	Cd	114	95.161	0.00	0.0775	0.031	40.558	ug/L
| >	In	115	385370.852	385370.85				ug/L
|	Sn	118	428.809	0.00	0.0884	0.002	2.374	ug/L
⌊	Sb	123	150.783	0.00	0.0336	0.002	6.894	ug/L
⌈	Ba	135	56.667	0.00	0.0458	0.005	11.434	ug/L
|	Ce	140	216.691	0.00				ug/L
⌊>	Tb	159	515287.412	515287.41				ug/L
⌈	Ho	165	20.002	0.00				ug/L
|	Tl	203	118.335	0.00	0.0145	0.002	14.355	ug/L
|	Tl	205	286.700	0.00	0.0253	0.003	13.672	ug/L
|	Pb	206	488.017	0.00	0.0157	0.003	16.337	ug/L
|	Pb	207	395.678	0.00	0.0193	0.002	11.795	ug/L
|	Pb	208	1865.753	0.00	0.0145	0.002	15.284	ug/L
|	U	238	18.667	0.00	-0.0010	0.000	5.729	ug/L
⌊>	Bi	209	505386.092	505386.09				ug/L

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⌈	Na	23	76106179.745	256.48	13.6258	0.239	1.755	mg/L
|	Mg	24	18741569.576	63.18	5.3125	0.167	3.145	mg/L
|	K	39	44735450.128	148.93	5.3433	0.126	2.360	mg/L
|	Ca	43	275820.058	0.93	14.8693	0.362	2.438	mg/L
|	Fe	54	7838111.655	26.26	12.7733	0.385	3.011	mg/L
|	Fe	57	3183217.377	10.71	12.7092	0.418	3.286	mg/L
⌊>	Sc-1	45	296669.917	296669.92				mg/L
	Cl	35	2063980.938	2044964.87				mg/L
	Kr	83	49.001	-11.67				mg/L
	Br	81	8316.124	-294.25				mg/L
	P	31	1813929.268	1800533.37				mg/L
	S	34	387843.532	199862.55				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		91.555			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		98.177			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		102.462			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		101.833			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 4
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Method 6020 - Summary Report

Sample ID: QC Std 5

Sample Date/Time: Tuesday, February 22, 2011 18:48:20
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 7
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23678.006	0.02				ug/L
|	Be	9	31425.973	0.10	119.7105	2.866	2.394	ug/L
|	Al	27	27631053.678	90.41	4519.6078	146.754	3.247	ug/L
⌊>	Sc	45	305720.839	305720.84				ug/L
⌈	Ti	49	63061.197	0.13	101.2990	1.134	1.119	ug/L
|	V	51	996668.068	2.09	103.1355	1.095	1.062	ug/L
|	Cr	52	843877.964	1.76	102.2712	1.056	1.032	ug/L
|	Cr	53	101509.443	0.21	104.1465	1.344	1.291	ug/L
|	Mn	55	1312786.710	2.76	104.5602	0.774	0.741	ug/L
|	Co	59	1040524.616	2.18	103.5470	1.852	1.788	ug/L
|	Ni	60	215563.480	0.45	102.7249	1.199	1.167	ug/L
|	Cu	65	226942.619	0.48	104.8227	2.154	2.055	ug/L
|	Zn	66	131890.743	0.28	103.2272	0.268	0.260	ug/L
|>	Ge	72	476207.311	476207.31				ug/L
|	As	75	102431.827	0.22	97.5885	1.290	1.322	ug/L
|	Se	77	7502.147	0.02	99.0165	2.827	2.855	ug/L
|	Se	82	9140.905	0.02	94.8790	2.030	2.140	ug/L
⌊	Rb	85	1809.849	0.00				mg/L
	Y	89	291523.739	-56258.44				ug/L
	Rh	103	52.001	41.67				ug/L
⌈	Mo	98	234517.083	0.59	89.6335	0.765	0.853	ug/L
|	Ag	107	397410.981	1.00	80.5283	6.555	8.139	ug/L
|	Cd	114	119647.092	0.30	102.4870	2.653	2.588	ug/L
|>	In	115	398375.212	398375.21				ug/L
|	Sn	118	494.279	0.00	0.1005	0.002	1.793	ug/L
⌊	Sb	123	390028.258	0.98	96.2985	1.207	1.253	ug/L
⌈	Ba	135	169196.051	0.32	93.5422	0.845	0.904	ug/L
|	Ce	140	270.031	0.00				ug/L
⌊>	Tb	159	535617.728	535617.73				ug/L
⌈	Ho	165	16.668	-0.00				ug/L
|	Tl	203	746103.935	1.45	103.5447	0.992	0.958	ug/L
|	Tl	205	1816055.164	3.54	101.8728	1.645	1.615	ug/L
|	Pb	206	628905.546	1.23	107.1640	2.380	2.221	ug/L
|	Pb	207	551904.157	1.08	99.9158	1.607	1.608	ug/L
|	Pb	208	2542877.248	4.95	103.6722	0.348	0.336	ug/L
|	U	238	3702128.797	7.22	102.5084	1.716	1.674	ug/L
⌊>	Bi	209	512950.542	512950.54				ug/L

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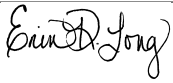

⌈	Na	23	74309378.639	242.99	12.9091	0.526	4.074	mg/L
|	Mg	24	18765715.249	61.40	5.1630	0.114	2.210	mg/L
|	K	39	45468221.790	146.87	5.2692	0.082	1.550	mg/L
|	Ca	43	286676.999	0.94	14.9957	0.075	0.503	mg/L
|	Fe	54	7768367.929	25.25	12.2816	0.106	0.859	mg/L
|	Fe	57	3175314.006	10.36	12.2984	0.149	1.213	mg/L
⌊>	Sc-1	45	305720.839	305720.84				mg/L
	Cl	35	2091085.203	2072069.13				mg/L
	Kr	83	46.667	-14.00				mg/L
	Br	81	7940.486	-669.89				mg/L
	P	31	1807702.920	1794307.02				mg/L
	S	34	386120.008	198139.03				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	103.135				
|	Cr	52	102.271				
|	Cr	53					
|	Mn	55	104.560				
|	Co	59	103.547				
|	Ni	60	102.725				
|	Cu	65	104.823				
|	Zn	66	103.227				
|>	Ge	72		91.135			
|	As	75	97.588				
|	Se	77					
|	Se	82	94.879				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	80.528				
|	Cd	114	102.487				
|>	In	115		101.490			
|	Sn	118					
⌊	Sb	123	96.299				
⌈	Ba	135	93.542				
|	Ce	140					
⌊>	Tb	159		106.505			
⌈	Ho	165					
|	Tl	203	103.545				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	103.672				
|	U	238	102.508				
⌊>	Bi	209		103.358			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 5
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Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 18:55:08
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23244.141	0.01				ug/L
|	Be	9	15693.654	0.05	57.0557	0.974	1.707	ug/L
|	Al	27	326169.478	1.01	50.4878	2.582	5.114	ug/L
⌊>	Sc	45	320045.247	320045.25				ug/L
⌈	Ti	49	67027.259	0.14	104.5665	1.589	1.519	ug/L
|	V	51	505962.755	1.03	50.7245	0.452	0.890	ug/L
|	Cr	52	432182.017	0.86	50.3884	1.898	3.767	ug/L
|	Cr	53	50840.700	0.10	50.5927	1.814	3.585	ug/L
|	Mn	55	658812.124	1.34	50.9394	0.769	1.511	ug/L
|	Co	59	538477.226	1.10	52.0427	0.879	1.690	ug/L
|	Ni	60	111728.482	0.23	51.7048	0.842	1.629	ug/L
|	Cu	65	116917.020	0.24	52.4105	0.933	1.780	ug/L
|	Zn	66	68641.128	0.14	51.8870	0.820	1.580	ug/L
| >	Ge	72	490386.656	490386.66				ug/L
|	As	75	50951.195	0.10	47.2232	0.884	1.871	ug/L
|	Se	77	3907.431	0.01	49.6094	3.390	6.834	ug/L
|	Se	82	4724.088	0.01	47.6288	1.224	2.569	ug/L
⌊	Rb	85	2001.554	0.00				mg/L
	Y	89	307087.731	-40694.45				ug/L
	Rh	103	18.667	8.33				ug/L
⌈	Mo	98	244378.761	0.61	93.3194	2.714	2.908	ug/L
|	Ag	107	248580.102	0.62	50.2919	1.078	2.144	ug/L
|	Cd	114	58360.208	0.15	49.9268	1.325	2.655	ug/L
| >	In	115	398880.597	398880.60				ug/L
|	Sn	118	208929.176	0.52	49.4326	0.699	1.414	ug/L
⌊	Sb	123	199977.001	0.50	49.3119	0.467	0.946	ug/L
⌈	Ba	135	85462.215	0.15	45.4734	0.521	1.145	ug/L
|	Ce	140	50.005	0.00				ug/L
⌊>	Tb	159	556591.718	556591.72				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	383311.473	0.69	49.4675	0.746	1.507	ug/L
|	Tl	205	921405.906	1.67	48.0790	1.188	2.471	ug/L
|	Pb	206	308641.796	0.56	48.8665	0.484	0.990	ug/L
|	Pb	207	291822.199	0.53	49.1071	1.248	2.542	ug/L
|	Pb	208	1298844.762	2.35	49.2163	0.845	1.717	ug/L
|	U	238	1967580.965	3.57	50.6798	1.516	2.991	ug/L
⌊>	Bi	209	551642.384	551642.38				ug/L

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Na	23	30924525.818	96.64	5.1324	0.184	3.594	mg/L	
Mg	24	19173173.481	59.95	5.0408	0.143	2.832	mg/L	
K	39	46164614.717	142.51	5.1128	0.216	4.229	mg/L	
Ca	43	98698.095	0.31	4.9308	0.277	5.622	mg/L	
Fe	54	3194728.656	9.83	4.7861	0.272	5.689	mg/L	
Fe	57	1353367.184	4.20	4.9922	0.198	3.965	mg/L	
> Sc-1	45	320045.247	320045.25				mg/L	
Cl	35	21555.881	2539.81				mg/L	
Kr	83	49.667	-11.00				mg/L	
Br	81	8089.277	-521.10				mg/L	
P	31	11726.222	-1669.68				mg/L	
S	34	232064.569	44083.59				mg/L	

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	101.449				
Cr	52	100.777				
Cr	53					
Mn	55	101.879				
Co	59	104.085				
Ni	60	103.410				
Cu	65	104.821				
Zn	66	103.774				
> Ge	72		93.849			
As	75	94.446				
Se	77					
Se	82	95.258				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	100.584				
Cd	114	99.854				
> In	115		101.619			
Sn	118					
Sb	123	98.624				
Ba	135	90.947				
Ce	140					
> Tb	159		110.675			
Ho	165					
Tl	203	98.935				
Tl	205					
Pb	206					
Pb	207					
Pb	208	98.433				
U	238	101.360				
> Bi	209		111.154			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 18:57:20

Approved: February 23, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 18:57:20

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 19:02:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	20855.375	0.01				ug/L
|	Be	9	8.000	0.00	-0.0261	0.013	49.151	ug/L
|	Al	27	4034.163	0.00	0.1070	0.112	104.521	ug/L
⌊>	Sc	45	322208.896	322208.90				ug/L
⌈	Ti	49	46.671	-0.00	0.0325	0.050	153.660	ug/L
|	V	51	2160.131	-0.00	-0.0280	0.003	12.314	ug/L
|	Cr	52	7475.535	-0.00	-0.0891	0.013	14.240	ug/L
|	Cr	53	360.042	0.00	0.2145	0.002	1.049	ug/L
|	Mn	55	379.678	0.00	-0.0129	0.003	20.280	ug/L
|	Co	59	53.667	-0.00	-0.0037	0.000	0.937	ug/L
|	Ni	60	41.667	-0.00	0.0131	0.001	11.123	ug/L
|	Cu	65	125.669	0.00	-0.0130	0.004	28.547	ug/L
|	Zn	66	543.687	0.00	-0.1707	0.045	26.476	ug/L
|>	Ge	72	491433.507	491433.51				ug/L
|	As	75	-143.414	0.00	0.0200	0.061	307.200	ug/L
|	Se	77	44.667	-0.00	-0.4169	0.018	4.328	ug/L
|	Se	82	-9.076	-0.00	-0.0753	0.199	263.756	ug/L
⌊	Rb	85	22.000	-0.00				mg/L
	Y	89	312278.888	-35503.29				ug/L
	Rh	103	6.333	-4.00				ug/L
⌈	Mo	98	140.605	0.00	0.0620	0.005	8.477	ug/L
|	Ag	107	28.667	-0.00	0.0028	0.000	16.160	ug/L
|	Cd	114	-3.738	-0.00	-0.0099	0.002	15.974	ug/L
|>	In	115	402580.237	402580.24				ug/L
|	Sn	118	253.070	0.00	0.0427	0.004	8.597	ug/L
⌊	Sb	123	274.417	0.00	0.0621	0.004	6.760	ug/L
⌈	Ba	135	24.000	0.00	0.0261	0.004	14.709	ug/L
|	Ce	140	26.669	-0.00				ug/L
⌊>	Tb	159	555297.889	555297.89				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	42.334	0.00	0.0034	0.000	3.570	ug/L
|	Tl	205	93.343	0.00	0.0139	0.004	28.989	ug/L
|	Pb	206	437.347	0.00	0.0024	0.005	227.363	ug/L
|	Pb	207	371.677	0.00	0.0108	0.003	27.977	ug/L
|	Pb	208	1742.077	0.00	0.0050	0.001	11.170	ug/L
|	U	238	96.335	0.00	0.0010	0.001	55.996	ug/L
⌊>	Bi	209	538033.190	538033.19				ug/L

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 19:04:35
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⌈	Na	23	29526.489	0.03	-0.0018	0.000	3.652	mg/L
|	Mg	24	853.455	0.00	-0.0038	0.000	0.681	mg/L
|	K	39	552525.514	-0.17	-0.0107	0.001	9.060	mg/L
|	Ca	43	210.023	-0.00	0.0001	0.002	1822.200	mg/L
|	Fe	54	43743.119	-0.03	-0.0077	0.001	17.917	mg/L
|	Fe	57	6742.949	-0.01	-0.0059	0.001	19.490	mg/L
⌊>	Sc-1	45	322208.896	322208.90				mg/L
	Cl	35	19686.025	669.96				mg/L
	Kr	83	47.001	-13.67				mg/L
	Br	81	7936.492	-673.88				mg/L
	P	31	11050.105	-2345.80				mg/L
	S	34	225445.211	37464.23				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		94.049			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.562			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		110.418			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.412			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 19:04:35
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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 19:04:35

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 8

Sample Date/Time: Tuesday, February 22, 2011 19:09:10
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 9
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	21105.592	0.01				ug/L
|	Be	9	6.000	0.00	-0.0322	0.013	41.827	ug/L
|	Al	27	2833.742	0.00	-0.0554	0.104	187.694	ug/L
⌊>	Sc	45	308121.008	308121.01				ug/L
⌈	Ti	49	73.341	0.00	0.0736	0.034	45.743	ug/L
|	V	51	6224.976	0.01	0.3759	0.014	3.780	ug/L
|	Cr	52	14533.033	0.01	0.7347	0.032	4.290	ug/L
|	Cr	53	1123.509	0.00	0.9654	0.089	9.199	ug/L
|	Mn	55	7720.724	0.01	0.5495	0.016	2.888	ug/L
|	Co	59	4654.463	0.01	0.4366	0.004	0.954	ug/L
|	Ni	60	3909.137	0.01	1.7858	0.079	4.399	ug/L
|	Cu	65	2031.894	0.00	0.8342	0.049	5.828	ug/L
|	Zn	66	9167.292	0.02	6.3541	0.128	2.011	ug/L
|>	Ge	72	495219.599	495219.60				ug/L
|	As	75	264.737	0.00	0.3949	0.050	12.650	ug/L
|	Se	77	82.667	0.00	0.0657	0.027	40.861	ug/L
|	Se	82	32.928	0.00	0.3456	0.036	10.546	ug/L
⌊	Rb	85	17.667	-0.00				mg/L
	Y	89	312058.951	-35723.23				ug/L
	Rh	103	5.000	-5.33				ug/L
⌈	Mo	98	79.088	0.00	0.0393	0.002	4.307	ug/L
|	Ag	107	2104.909	0.01	0.4251	0.012	2.727	ug/L
|	Cd	114	263.663	0.00	0.2201	0.012	5.517	ug/L
|>	In	115	396761.753	396761.75				ug/L
|	Sn	118	155.335	0.00	0.0203	0.001	2.521	ug/L
⌊	Sb	123	1692.363	0.00	0.4145	0.011	2.643	ug/L
⌈	Ba	135	1350.105	0.00	0.7642	0.017	2.169	ug/L
|	Ce	140	13.335	-0.00				ug/L
⌊>	Tb	159	532458.568	532458.57				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	694.031	0.00	0.0906	0.005	5.040	ug/L
|	Tl	205	1536.939	0.00	0.0921	0.009	9.542	ug/L
|	Pb	206	2843.099	0.00	0.3982	0.013	3.220	ug/L
|	Pb	207	2707.060	0.00	0.4189	0.013	3.078	ug/L
|	Pb	208	12167.752	0.02	0.4152	0.013	3.156	ug/L
|	U	238	16193.274	0.03	0.4306	0.025	5.810	ug/L
⌊>	Bi	209	532703.833	532703.83				ug/L

Sample ID: QC Std 8
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⌈	Na	23	23032.162	0.01	-0.0027	0.000	3.165	mg/L
|	Mg	24	480.060	0.00	-0.0039	0.000	0.250	mg/L
|	K	39	550591.339	-0.09	-0.0080	0.004	44.518	mg/L
|	Ca	43	156.684	-0.00	-0.0021	0.003	149.258	mg/L
|	Fe	54	42937.907	-0.02	-0.0057	0.006	111.097	mg/L
|	Fe	57	6562.812	-0.01	-0.0053	0.003	55.027	mg/L
⌊>	Sc-1	45	308121.008	308121.01				mg/L
	Cl	35	19271.889	255.82				mg/L
	Kr	83	46.667	-14.00				mg/L
	Br	81	7931.144	-679.23				mg/L
	P	31	11269.692	-2126.21				mg/L
	S	34	215014.669	27033.69				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51	93.977				
|	Cr	52	91.836				
|	Cr	53					
|	Mn	55	109.898				
|	Co	59	109.148				
|	Ni	60	111.614				
|	Cu	65	104.281				
|	Zn	66	101.666				
|>	Ge	72		94.774			
|	As	75	98.735				
|	Se	77					
|	Se	82	86.396				
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107	106.272				
|	Cd	114	110.032				
|>	In	115		101.079			
|	Sn	118					
⌊	Sb	123	103.633				
⌈	Ba	135	101.895				
|	Ce	140					
⌊>	Tb	159		105.876			
⌈	Ho	165					
|	Tl	203	113.237				
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208	103.811				
|	U	238	107.641				
⌊>	Bi	209		107.338			
⌈	Na	23					

Sample ID: QC Std 8
Report Date/Time: Tuesday, February 22, 2011 19:11:24
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Approved: February 23, 2011

	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 8
Report Date/Time: Tuesday, February 22, 2011 19:11:24
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: PBS 15 WG356440-01

Sample Date/Time: Tuesday, February 22, 2011 19:15:59
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 65
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	25182.144	0.03				ug/L
|	Be	9	8.667	0.00	-0.0216	0.005	21.208	ug/L
|	Al	27	17465.262	0.05	2.3777	0.176	7.399	ug/L
⌊>	Sc	45	301599.551	301599.55				ug/L
⌈	Ti	49	5078.468	0.01	8.7898	0.695	7.908	ug/L
|	V	51	-5726.810	-0.02	-0.8871	0.250	28.147	ug/L
|	Cr	52	12647.121	0.01	0.6983	0.048	6.945	ug/L
|	Cr	53	49279.672	0.11	54.6310	3.789	6.936	ug/L
|	Mn	55	1119.074	0.00	0.0542	0.005	8.325	ug/L
|	Co	59	88.001	0.00	0.0006	0.001	213.729	ug/L
|	Ni	60	247.006	0.00	0.1211	0.005	4.217	ug/L
|	Cu	65	262.006	0.00	0.0617	0.002	3.471	ug/L
|	Zn	66	3356.930	0.01	2.2723	0.060	2.637	ug/L
| >	Ge	72	440341.696	440341.70				ug/L
|	As	75	-473.567	-0.00	-0.3336	0.267	79.983	ug/L
|	Se	77	2311.601	0.01	32.3239	0.645	1.995	ug/L
|	Se	82	-6.157	-0.00	-0.0517	0.119	229.679	ug/L
⌊	Rb	85	36.667	0.00				mg/L
	Y	89	277886.783	-69895.40				ug/L
	Rh	103	6.333	-4.00				ug/L
⌈	Mo	98	79.754	0.00	0.0409	0.002	4.349	ug/L
|	Ag	107	440.014	0.00	0.0906	0.013	13.969	ug/L
|	Cd	114	-4.883	-0.00	-0.0111	0.002	19.860	ug/L
| >	In	115	380148.013	380148.01				ug/L
|	Sn	118	1442.106	0.00	0.3417	0.060	17.630	ug/L
⌊	Sb	123	670.896	0.00	0.1688	0.018	10.707	ug/L
⌈	Ba	135	70.001	0.00	0.0518	0.006	11.420	ug/L
|	Ce	140	116.679	0.00				ug/L
⌊>	Tb	159	537814.206	537814.21				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	70.001	0.00	0.0074	0.003	34.735	ug/L
|	Tl	205	163.351	0.00	0.0180	0.002	10.492	ug/L
|	Pb	206	715.366	0.00	0.0512	0.002	3.830	ug/L
|	Pb	207	602.691	0.00	0.0541	0.012	22.408	ug/L
|	Pb	208	2840.522	0.00	0.0512	0.008	15.329	ug/L
|	U	238	55.667	0.00	-0.0000	0.000	127.805	ug/L
⌊>	Bi	209	521624.106	521624.11				ug/L

Sample ID: PBS 15 WG356440-01
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⌈	Na	23	128963.747	0.36	0.0160	0.002	11.067	mg/L
|	Mg	24	14101.378	0.05	-0.0001	0.000	256.657	mg/L
|	K	39	564633.110	-0.01	-0.0051	0.001	18.754	mg/L
|	Ca	43	363.376	0.00	0.0090	0.002	24.013	mg/L
|	Fe	54	78923.959	0.10	0.0536	0.003	6.527	mg/L
|	Fe	57	7089.889	-0.00	-0.0028	0.001	25.520	mg/L
⌊>	Sc-1	45	301599.551	301599.55				mg/L
	Cl	35	60197977.484	60178961.41				mg/L
	Kr	83	56.334	-4.33				mg/L
	Br	81	10683.706	2073.33				mg/L
	P	31	16686.625	3290.72				mg/L
	S	34	211209.758	23228.78				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.272			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		96.847			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		106.941			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		105.105			
⌈	Na	23					

Sample ID: PBS 15 WG356440-01
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
|>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
V 51 Lower	V	51	

Sample ID: PBS 15 WG356440-01
Report Date/Time: Tuesday, February 22, 2011 19:18:12
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Method 6020 - Summary Report

Sample ID: L1102000237

Sample Date/Time: Tuesday, February 22, 2011 19:22:47
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 66
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	28540.687	0.04				ug/L
|	Be	9	8380.870	0.03	33.3606	3.585	10.745	ug/L
|	Al	27	176681.118	0.60	29.7574	1.989	6.685	ug/L
⌊>	Sc	45	292281.509	292281.51				ug/L
⌈	Ti	49	4995.082	0.01	8.7738	0.409	4.661	ug/L
|	V	51	225707.100	0.52	25.4606	0.601	2.362	ug/L
|	Cr	52	218029.495	0.49	28.3158	0.342	1.206	ug/L
|	Cr	53	76455.638	0.18	86.1098	3.026	3.514	ug/L
|	Mn	55	319859.808	0.74	27.9412	0.463	1.656	ug/L
|	Co	59	261784.749	0.60	28.5996	0.214	0.747	ug/L
|	Ni	60	55271.237	0.13	28.9152	0.557	1.925	ug/L
|	Cu	65	56913.406	0.13	28.8116	0.251	0.872	ug/L
|	Zn	66	34888.781	0.08	29.5661	0.422	1.428	ug/L
|>	Ge	72	433709.201	433709.20				ug/L
|	As	75	22411.909	0.05	23.5596	0.113	0.480	ug/L
|	Se	77	3909.431	0.01	56.2239	1.781	3.167	ug/L
|	Se	82	1894.773	0.00	21.6047	0.579	2.679	ug/L
⌊	Rb	85	48.334	0.00				mg/L
	Y	89	267498.609	-80283.57				ug/L
	Rh	103	17.667	7.33				ug/L
⌈	Mo	98	66.128	0.00	0.0347	0.005	14.052	ug/L
|	Ag	107	114263.396	0.29	23.6261	0.354	1.496	ug/L
|	Cd	114	28927.721	0.07	25.3007	0.341	1.349	ug/L
|>	In	115	390166.334	390166.33				ug/L
|	Sn	118	983.248	0.00	0.2212	0.009	4.102	ug/L
⌊	Sb	123	96328.108	0.25	24.2786	0.369	1.519	ug/L
⌈	Ba	135	41317.268	0.08	22.2833	0.077	0.345	ug/L
|	Ce	140	90.009	0.00				ug/L
⌊>	Tb	159	549296.776	549296.78				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	192718.285	0.37	26.1606	0.489	1.870	ug/L
|	Tl	205	457374.956	0.87	25.1040	1.050	4.184	ug/L
|	Pb	206	161659.678	0.31	26.8920	0.435	1.617	ug/L
|	Pb	207	145495.767	0.28	25.7251	0.446	1.735	ug/L
|	Pb	208	670806.315	1.28	26.7063	0.165	0.618	ug/L
|	U	238	1016303.635	1.94	27.5262	0.192	0.697	ug/L
⌊>	Bi	209	524368.667	524368.67				ug/L

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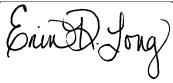

⌈	Na	23	126526.979	0.37	0.0164	0.002	13.309	mg/L
|	Mg	24	15196.394	0.05	0.0003	0.000	33.820	mg/L
|	K	39	556443.659	0.03	-0.0039	0.003	68.712	mg/L
|	Ca	43	406.716	0.00	0.0121	0.007	54.161	mg/L
|	Fe	54	79600.938	0.11	0.0588	0.005	8.040	mg/L
|	Fe	57	7226.674	-0.00	-0.0013	0.003	233.350	mg/L
⌊>	Sc-1	45	292281.509	292281.51				mg/L
	Cl	35	57253254.476	57234238.41				mg/L
	Kr	83	50.001	-10.67				mg/L
	Br	81	10141.810	1531.43				mg/L
	P	31	16030.900	2635.00				mg/L
	S	34	203212.319	15231.34				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.002			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		99.399			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		109.225			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		105.658			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102000238

Sample Date/Time: Tuesday, February 22, 2011 19:29:35
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 67
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	30078.524	0.04				ug/L
|	Be	9	8597.698	0.03	34.1053	1.699	4.981	ug/L
|	Al	27	220572.828	0.74	37.1128	1.891	5.094	ug/L
⌊>	Sc	45	293466.060	293466.06				ug/L
⌈	Ti	49	4935.045	0.01	8.4554	0.256	3.022	ug/L
|	V	51	229314.610	0.51	25.2332	1.148	4.548	ug/L
|	Cr	52	213692.198	0.46	27.0318	0.447	1.653	ug/L
|	Cr	53	77302.026	0.17	84.9313	1.304	1.535	ug/L
|	Mn	55	318567.448	0.72	27.1472	0.278	1.026	ug/L
|	Co	59	261343.456	0.59	27.8555	0.646	2.318	ug/L
|	Ni	60	55304.063	0.12	28.2245	0.128	0.454	ug/L
|	Cu	65	58069.713	0.13	28.6781	0.259	0.902	ug/L
|	Zn	66	33925.455	0.08	28.0187	0.194	0.691	ug/L
⌊>	Ge	72	444564.774	444564.77				ug/L
|	As	75	21499.549	0.05	22.0582	0.133	0.604	ug/L
|	Se	77	3969.454	0.01	55.6817	0.229	0.411	ug/L
|	Se	82	1853.488	0.00	20.6198	0.399	1.934	ug/L
⌊	Rb	85	64.001	0.00				mg/L
	Y	89	272086.043	-75696.14				ug/L
	Rh	103	16.334	6.00				ug/L
⌈	Mo	98	56.165	0.00	0.0307	0.002	5.451	ug/L
|	Ag	107	113120.166	0.29	23.2094	0.171	0.737	ug/L
|	Cd	114	28744.349	0.07	24.9522	1.049	4.205	ug/L
⌊>	In	115	393224.803	393224.80				ug/L
|	Sn	118	506.279	0.00	0.1049	0.002	1.621	ug/L
⌊	Sb	123	96690.672	0.25	24.1875	0.513	2.121	ug/L
⌈	Ba	135	41967.968	0.07	21.7381	0.333	1.530	ug/L
|	Ce	140	300.035	0.00				ug/L
⌊>	Tb	159	572020.522	572020.52				ug/L
⌈	Ho	165	6.667	-0.00				ug/L
|	Tl	203	197346.972	0.37	26.1766	0.029	0.110	ug/L
|	Tl	205	471740.071	0.88	25.3035	0.721	2.850	ug/L
|	Pb	206	167786.486	0.31	27.2782	0.882	3.232	ug/L
|	Pb	207	148338.614	0.28	25.6310	0.920	3.591	ug/L
|	Pb	208	694156.994	1.29	27.0084	0.725	2.685	ug/L
|	U	238	1028063.563	1.92	27.2099	0.325	1.196	ug/L
⌊>	Bi	209	536632.579	536632.58				ug/L

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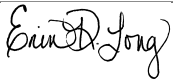

⌈	Na	23	84434.357	0.22	0.0087	0.002	18.360	mg/L
|	Mg	24	23690.411	0.08	0.0027	0.000	9.754	mg/L
|	K	39	524403.691	-0.09	-0.0081	0.003	35.649	mg/L
|	Ca	43	586.743	0.00	0.0216	0.002	7.272	mg/L
|	Fe	54	84138.767	0.13	0.0660	0.009	13.707	mg/L
|	Fe	57	8524.486	0.00	0.0039	0.003	67.067	mg/L
⌊>	Sc-1	45	293466.060	293466.06				mg/L
	Cl	35	55560122.498	55541106.43				mg/L
	Kr	83	43.334	-17.33				mg/L
	Br	81	10400.741	1790.37				mg/L
	P	31	15571.542	2175.64				mg/L
	S	34	202501.027	14520.05				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		85.080			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.178			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		113.743			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		108.129			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102000238
Report Date/Time: Tuesday, February 22, 2011 19:31:48
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Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: L1102000239

Sample Date/Time: Tuesday, February 22, 2011 19:36:24
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 68
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	29276.206	0.04				ug/L
|	Be	9	8748.492	0.03	34.1291	0.564	1.653	ug/L
|	Al	27	163628.732	0.54	26.9184	0.693	2.574	ug/L
⌊>	Sc	45	298111.724	298111.72				ug/L
⌈	Ti	49	4701.576	0.01	8.1556	0.359	4.406	ug/L
|	V	51	223778.582	0.50	24.9280	0.166	0.668	ug/L
|	Cr	52	215468.977	0.47	27.6131	0.436	1.579	ug/L
|	Cr	53	91314.164	0.21	101.5901	0.643	0.633	ug/L
|	Mn	55	314020.015	0.71	27.0964	0.815	3.009	ug/L
|	Co	59	263296.798	0.60	28.4152	0.784	2.758	ug/L
|	Ni	60	55672.202	0.13	28.7715	1.183	4.113	ug/L
|	Cu	65	57166.539	0.13	28.5820	0.456	1.595	ug/L
|	Zn	66	33885.995	0.08	28.3376	0.065	0.231	ug/L
|>	Ge	72	439138.797	439138.80				ug/L
|	As	75	22004.690	0.05	22.8504	0.134	0.587	ug/L
|	Se	77	4472.333	0.01	63.6549	1.285	2.019	ug/L
|	Se	82	1901.809	0.00	21.4183	0.393	1.833	ug/L
⌊	Rb	85	40.000	0.00				mg/L
	Y	89	262486.246	-85295.94				ug/L
	Rh	103	20.667	10.33				ug/L
⌈	Mo	98	48.014	0.00	0.0273	0.002	8.624	ug/L
|	Ag	107	115420.111	0.29	23.3378	0.492	2.108	ug/L
|	Cd	114	28085.423	0.07	24.0259	1.098	4.571	ug/L
|>	In	115	399145.289	399145.29				ug/L
|	Sn	118	816.967	0.00	0.1768	0.017	9.541	ug/L
⌊	Sb	123	97891.081	0.25	24.1266	0.508	2.106	ug/L
⌈	Ba	135	40634.139	0.07	21.2054	0.525	2.476	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	567801.071	567801.07				ug/L
⌈	Ho	165	13.335	-0.00				ug/L
|	Tl	203	192824.376	0.36	25.3705	0.199	0.786	ug/L
|	Tl	205	481991.424	0.89	25.6424	0.441	1.719	ug/L
|	Pb	206	166372.567	0.31	26.8260	0.196	0.730	ug/L
|	Pb	207	146095.578	0.27	25.0370	0.613	2.449	ug/L
|	Pb	208	681322.261	1.26	26.2904	0.433	1.648	ug/L
|	U	238	1012987.012	1.87	26.5941	0.212	0.797	ug/L
⌊>	Bi	209	540998.272	540998.27				ug/L

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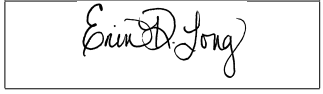

⌈	Na	23	80524.490	0.20	0.0077	0.001	7.073	mg/L
|	Mg	24	7213.331	0.02	-0.0020	0.000	7.666	mg/L
|	K	39	524838.739	-0.12	-0.0091	0.000	2.575	mg/L
|	Ca	43	366.710	0.00	0.0094	0.002	25.097	mg/L
|	Fe	54	70807.115	0.08	0.0418	0.004	9.655	mg/L
|	Fe	57	6853.036	-0.00	-0.0034	0.001	34.338	mg/L
⌊>	Sc-1	45	298111.724	298111.72				mg/L
	Cl	35	64756100.493	64737084.42				mg/L
	Kr	83	46.001	-14.67				mg/L
	Br	81	9865.532	1255.16				mg/L
	P	31	14457.836	1061.93				mg/L
	S	34	210491.551	22510.57				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		84.041			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		101.686			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		112.904			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		109.009			
⌈	Na	23					

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Report Date/Time: Tuesday, February 22, 2011 19:38:37
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Mg	24
K	39
Ca	43
Fe	54
Fe	57
Sc-1	45
Cl	35
Kr	83
Br	81
P	31
S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102000239
Report Date/Time: Tuesday, February 22, 2011 19:38:37
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Method 6020 - Summary Report

Sample ID: L1102000240

Sample Date/Time: Tuesday, February 22, 2011 19:43:12
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 69
Method File: C:\elandata\Method\6020a.mth
Sample Description: 1

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	28189.710	0.04				ug/L
|	Be	9	8712.463	0.03	34.7597	1.651	4.750	ug/L
|	Al	27	155889.129	0.53	26.2072	0.377	1.437	ug/L
|>	Sc	45	291660.376	291660.38				ug/L
⌈	Ti	49	4734.928	0.01	8.2672	0.231	2.797	ug/L
|	V	51	212764.761	0.48	23.8479	0.845	3.544	ug/L
|	Cr	52	214952.498	0.48	27.7347	0.126	0.455	ug/L
|	Cr	53	91532.998	0.21	102.5156	2.925	2.853	ug/L
|	Mn	55	310701.593	0.71	26.9816	0.583	2.162	ug/L
|	Co	59	259631.843	0.60	28.2007	0.630	2.234	ug/L
|	Ni	60	55281.945	0.13	28.7534	0.398	1.383	ug/L
|	Cu	65	57222.157	0.13	28.8008	0.243	0.842	ug/L
|	Zn	66	33595.676	0.08	28.2812	0.144	0.509	ug/L
|>	Ge	72	436237.914	436237.91				ug/L
|	As	75	21813.185	0.05	22.8033	0.904	3.963	ug/L
|	Se	77	4567.710	0.01	65.4681	0.276	0.422	ug/L
|	Se	82	1853.443	0.00	21.0092	0.867	4.129	ug/L
⌊	Rb	85	31.667	0.00				mg/L
	Y	89	257789.381	-89992.80				ug/L
	Rh	103	16.334	6.00				ug/L
⌈	Mo	98	208.351	0.00	0.0891	0.008	8.690	ug/L
|	Ag	107	114807.302	0.29	23.3914	0.529	2.263	ug/L
|	Cd	114	28941.972	0.07	24.9424	0.558	2.238	ug/L
|>	In	115	395979.468	395979.47				ug/L
|	Sn	118	486.145	0.00	0.0993	0.001	0.972	ug/L
⌊	Sb	123	97963.854	0.25	24.3297	0.364	1.498	ug/L
⌈	Ba	135	41439.109	0.07	21.8855	0.774	3.536	ug/L
|	Ce	140	56.673	0.00				ug/L
|>	Tb	159	561200.052	561200.05				ug/L
⌈	Ho	165	10.001	-0.00				ug/L
|	Tl	203	193094.718	0.36	25.9060	0.458	1.768	ug/L
|	Tl	205	473161.524	0.89	25.6656	0.613	2.389	ug/L
|	Pb	206	166680.992	0.31	27.4050	0.493	1.800	ug/L
|	Pb	207	143080.174	0.27	25.0007	0.487	1.947	ug/L
|	Pb	208	668558.628	1.26	26.3033	0.301	1.146	ug/L
|	U	238	1014267.734	1.91	27.1450	0.163	0.599	ug/L
|>	Bi	209	530666.488	530666.49				ug/L

Sample ID: L1102000240
Report Date/Time: Tuesday, February 22, 2011 19:45:26
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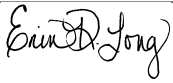

⌈	Na	23	65037.447	0.16	0.0052	0.000	4.742	mg/L
|	Mg	24	9398.698	0.03	-0.0014	0.000	7.152	mg/L
|	K	39	511309.718	-0.13	-0.0093	0.001	15.886	mg/L
|	Ca	43	373.378	0.00	0.0102	0.004	34.340	mg/L
|	Fe	54	73523.410	0.09	0.0490	0.010	19.587	mg/L
|	Fe	57	6412.700	-0.00	-0.0046	0.002	39.383	mg/L
⌊>	Sc-1	45	291660.376	291660.38				mg/L
	Cl	35	65188931.224	65169915.15				mg/L
	Kr	83	48.667	-12.00				mg/L
	Br	81	10606.290	1995.91				mg/L
	P	31	15347.839	1951.94				mg/L
	S	34	201567.297	13586.32				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		83.486			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		100.880			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		111.592			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		106.927			
⌈	Na	23					

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	Mg	24
	K	39
	Ca	43
	Fe	54
	Fe	57
>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: L1102000240
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Method 6020 - Summary Report

Sample ID: L1101070708

Sample Date/Time: Tuesday, February 22, 2011 19:50:02
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 70
Method File: C:\elandata\Method\6020a.mth
Sample Description: 25

User ID: JYH

Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22742.532	0.02				ug/L
|	Be	9	3195.845	0.01	12.0447	1.174	9.745	ug/L
|	Al	27	4843313.781	15.73	786.3247	64.788	8.239	ug/L
⌊>	Sc	45	308685.334	308685.33				ug/L
⌈	Ti	49	7426.840	0.02	11.6060	0.909	7.832	ug/L
|	V	51	102699.942	0.21	10.1437	0.210	2.075	ug/L
|	Cr	52	87884.708	0.16	9.5102	0.158	1.657	ug/L
|	Cr	53	17567.196	0.04	17.4649	1.142	6.539	ug/L
|	Mn	55	732024.459	1.50	56.8298	0.406	0.714	ug/L
|	Co	59	148327.800	0.30	14.3840	0.108	0.748	ug/L
|	Ni	60	27708.949	0.06	12.8710	0.284	2.208	ug/L
|	Cu	65	20276.071	0.04	9.0688	0.150	1.650	ug/L
|	Zn	66	43671.260	0.09	32.9309	0.194	0.590	ug/L
| >	Ge	72	488424.489	488424.49				ug/L
|	As	75	13877.033	0.03	13.0217	0.277	2.130	ug/L
|	Se	77	1912.850	0.00	23.8582	0.664	2.781	ug/L
|	Se	82	2205.209	0.00	22.3276	1.029	4.610	ug/L
⌊	Rb	85	16627.646	0.03				mg/L
	Y	89	308995.508	-38786.68				ug/L
	Rh	103	11.000	0.67				ug/L
⌈	Mo	98	21705.981	0.05	8.2563	0.229	2.774	ug/L
|	Ag	107	27584.938	0.07	5.5547	0.135	2.434	ug/L
|	Cd	114	14869.725	0.04	12.6593	0.551	4.351	ug/L
| >	In	115	400587.214	400587.21				ug/L
|	Sn	118	55411.548	0.14	13.0394	0.119	0.914	ug/L
⌊	Sb	123	93625.411	0.23	22.9835	0.129	0.563	ug/L
⌈	Ba	135	53624.941	0.10	29.2234	0.523	1.789	ug/L
|	Ce	140	69336.482	0.13				ug/L
⌊>	Tb	159	543591.609	543591.61				ug/L
⌈	Ho	165	660.088	0.00				ug/L
|	Tl	203	182086.427	0.33	23.7288	0.403	1.697	ug/L
|	Tl	205	439557.429	0.80	23.1625	1.260	5.441	ug/L
|	Pb	206	89817.256	0.16	14.3110	0.564	3.939	ug/L
|	Pb	207	80606.086	0.15	13.6570	0.153	1.122	ug/L
|	Pb	208	369576.937	0.67	14.0960	0.154	1.096	ug/L
|	U	238	3569.673	0.01	0.0913	0.003	3.369	ug/L
⌊>	Bi	209	546188.991	546188.99				ug/L

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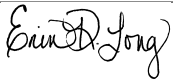

⌈	Na	23	434175.157	1.34	0.0682	0.004	6.012	mg/L
|	Mg	24	1134478.437	3.68	0.3057	0.012	4.048	mg/L
|	K	39	2094538.149	4.92	0.1718	0.014	8.122	mg/L
|	Ca	43	21351.592	0.07	1.0976	0.034	3.055	mg/L
|	Fe	54	1160592.820	3.61	1.7585	0.109	6.215	mg/L
|	Fe	57	472706.496	1.51	1.7929	0.153	8.525	mg/L
⌊>	Sc-1	45	308685.334	308685.33				mg/L
	Cl	35	1750561.636	1731545.57				mg/L
	Kr	83	46.001	-14.67				mg/L
	Br	81	7198.595	-1411.78				mg/L
	P	31	16828.153	3432.25				mg/L
	S	34	201199.602	13218.62				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.474			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		102.054			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		108.090			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		110.055			
⌈	Na	23					

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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
_>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 6

Sample Date/Time: Tuesday, February 22, 2011 19:56:50
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 5
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	23945.573	0.02				ug/L
|	Be	9	15806.492	0.05	59.0827	2.025	3.427	ug/L
|	Al	27	317911.705	1.01	50.5348	1.891	3.743	ug/L
⌊>	Sc	45	311321.812	311321.81				ug/L
⌈	Ti	49	65037.595	0.14	103.6274	4.449	4.293	ug/L
|	V	51	506697.126	1.05	51.9003	1.288	2.482	ug/L
|	Cr	52	436636.602	0.89	52.0333	1.789	3.438	ug/L
|	Cr	53	52737.303	0.11	53.6105	1.253	2.337	ug/L
|	Mn	55	640399.780	1.33	50.5751	0.437	0.864	ug/L
|	Co	59	532570.696	1.11	52.5755	0.616	1.172	ug/L
|	Ni	60	111394.917	0.23	52.6574	1.266	2.404	ug/L
|	Cu	65	114194.141	0.24	52.2838	0.329	0.628	ug/L
|	Zn	66	67106.765	0.14	51.8159	0.986	1.903	ug/L
|>	Ge	72	480086.752	480086.75				ug/L
|	As	75	51080.383	0.11	48.3503	0.282	0.583	ug/L
|	Se	77	3852.742	0.01	49.9573	1.860	3.724	ug/L
|	Se	82	4724.447	0.01	48.6411	0.914	1.879	ug/L
⌊	Rb	85	1973.548	0.00				mg/L
	Y	89	301131.571	-46650.61				ug/L
	Rh	103	28.667	18.33				ug/L
⌈	Mo	98	243871.956	0.61	93.5706	0.580	0.620	ug/L
|	Ag	107	244858.144	0.62	49.7824	0.073	0.148	ug/L
|	Cd	114	58968.469	0.15	50.7256	2.401	4.733	ug/L
|>	In	115	396836.284	396836.28				ug/L
|	Sn	118	204156.837	0.51	48.5473	0.589	1.214	ug/L
⌊	Sb	123	200103.926	0.50	49.5966	0.869	1.753	ug/L
⌈	Ba	135	85111.517	0.15	45.8857	0.231	0.502	ug/L
|	Ce	140	53.339	0.00				ug/L
⌊>	Tb	159	549329.133	549329.13				ug/L
⌈	Ho	165	30.003	0.00				ug/L
|	Tl	203	388951.343	0.72	50.9428	0.257	0.504	ug/L
|	Tl	205	931960.523	1.71	49.3403	0.961	1.947	ug/L
|	Pb	206	308261.088	0.57	49.5310	0.288	0.582	ug/L
|	Pb	207	291762.974	0.54	49.8186	0.576	1.156	ug/L
|	Pb	208	1316173.478	2.42	50.6109	0.236	0.465	ug/L
|	U	238	1994751.173	3.67	52.1286	0.723	1.388	ug/L
⌊>	Bi	209	543497.199	543497.20				ug/L

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Na	23	30011841.072	96.33	5.1160	0.216	4.225	mg/L
Mg	24	18762697.040	60.27	5.0678	0.022	0.437	mg/L
K	39	45057661.781	142.85	5.1250	0.115	2.241	mg/L
Ca	43	97348.050	0.31	4.9934	0.104	2.076	mg/L
Fe	54	3254659.173	10.29	5.0092	0.060	1.200	mg/L
Fe	57	1322697.663	4.22	5.0127	0.101	2.007	mg/L
> Sc-1	45	311321.812	311321.81				mg/L
Cl	35	61182.607	42166.54				mg/L
Kr	83	46.667	-14.00				mg/L
Br	81	7356.038	-1254.34				mg/L
P	31	11594.780	-1801.12				mg/L
S	34	231614.183	43633.21				mg/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
Li	6					
Be	9					
Al	27					
> Sc	45					
Ti	49					
V	51	103.801				
Cr	52	104.067				
Cr	53					
Mn	55	101.150				
Co	59	105.151				
Ni	60	105.315				
Cu	65	104.568				
Zn	66	103.632				
> Ge	72		91.878			
As	75	96.701				
Se	77					
Se	82	97.282				
Rb	85					
Y	89					
Rh	103					
Mo	98					
Ag	107	99.565				
Cd	114	101.451				
> In	115		101.098			
Sn	118					
Sb	123	99.193				
Ba	135	91.771				
Ce	140					
> Tb	159		109.231			
Ho	165					
Tl	203	101.886				
Tl	205					
Pb	206					
Pb	207					
Pb	208	101.222				
U	238	104.257				
> Bi	209		109.513			
Na	23					

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 19:59:02

Approved: February 23, 2011

|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 6
Report Date/Time: Tuesday, February 22, 2011 19:59:02

Approved: February 23, 2011

Method 6020 - Summary Report

Sample ID: QC Std 7

Sample Date/Time: Tuesday, February 22, 2011 20:04:05
Number of Replicates: 3
Aliquot Volume (mL):
Diluted To Volume (mL):
Autosampler Position: 1
Method File: C:\elandata\Method\6020a.mth
Sample Description:

User ID: JYH
Cumulative Autodilution Factor: 1
ELAN-ICP 200.8\6020 External Calibration

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	22709.132	0.01				ug/L
|	Be	9	6.000	0.00	-0.0330	0.014	43.713	ug/L
|	Al	27	3967.455	0.00	0.1101	0.035	31.985	ug/L
|>	Sc	45	315087.876	315087.88				ug/L
⌈	Ti	49	83.342	0.00	0.0911	0.080	88.297	ug/L
|	V	51	1647.638	-0.00	-0.0777	0.008	9.948	ug/L
|	Cr	52	7639.328	-0.00	-0.0597	0.020	33.993	ug/L
|	Cr	53	3420.929	0.01	3.3001	0.250	7.581	ug/L
|	Mn	55	342.343	0.00	-0.0154	0.001	6.060	ug/L
|	Co	59	62.334	0.00	-0.0028	0.001	25.788	ug/L
|	Ni	60	44.334	-0.00	0.0146	0.001	6.189	ug/L
|	Cu	65	107.668	0.00	-0.0205	0.008	36.724	ug/L
|	Zn	66	588.690	0.00	-0.1316	0.014	11.005	ug/L
|>	Ge	72	486057.163	486057.16				ug/L
|	As	75	-139.237	0.00	0.0224	0.030	133.527	ug/L
|	Se	77	86.667	0.00	0.1376	0.130	94.708	ug/L
|	Se	82	2.252	0.00	0.0397	0.097	243.511	ug/L
⌊	Rb	85	18.667	-0.00				mg/L
	Y	89	312888.544	-34893.64				ug/L
	Rh	103	5.667	-4.67				ug/L
⌈	Mo	98	126.162	0.00	0.0573	0.010	17.983	ug/L
|	Ag	107	27.334	-0.00	0.0026	0.000	18.640	ug/L
|	Cd	114	-3.071	-0.00	-0.0094	0.003	27.595	ug/L
|>	In	115	398125.742	398125.74				ug/L
|	Sn	118	342.006	0.00	0.0645	0.004	6.264	ug/L
⌊	Sb	123	66.409	0.00	0.0115	0.001	6.889	ug/L
⌈	Ba	135	24.334	0.00	0.0265	0.002	7.718	ug/L
|	Ce	140	26.669	-0.00				ug/L
|>	Tb	159	547660.388	547660.39				ug/L
⌈	Ho	165	23.336	0.00				ug/L
|	Tl	203	320.675	0.00	0.0393	0.004	9.636	ug/L
|	Tl	205	730.100	0.00	0.0472	0.007	15.796	ug/L
|	Pb	206	477.350	0.00	0.0071	0.007	91.569	ug/L
|	Pb	207	385.678	0.00	0.0117	0.004	37.550	ug/L
|	Pb	208	1845.419	0.00	0.0074	0.004	59.171	ug/L
|	U	238	89.001	0.00	0.0007	0.001	76.188	ug/L
|>	Bi	209	550887.913	550887.91				ug/L

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⌈	Na	23	21762.513	0.00	-0.0030	0.000	4.008	mg/L
|	Mg	24	616.748	0.00	-0.0039	0.000	0.674	mg/L
|	K	39	546647.328	-0.15	-0.0100	0.001	10.006	mg/L
|	Ca	43	240.027	-0.00	0.0018	0.002	119.644	mg/L
|	Fe	54	45610.442	-0.02	-0.0033	0.003	102.781	mg/L
|	Fe	57	6839.691	-0.01	-0.0049	0.001	21.477	mg/L
⌊>	Sc-1	45	315087.876	315087.88				mg/L
	Cl	35	49265.067	30249.00				mg/L
	Kr	83	47.667	-13.00				mg/L
	Br	81	7411.414	-1198.96				mg/L
	P	31	10724.416	-2671.49				mg/L
	S	34	223663.631	35682.65				mg/L

QC Calculated Values

	Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Diff	Dup. Rel. % Diff
⌈	Li	6					
|	Be	9					
|	Al	27					
⌊>	Sc	45					
⌈	Ti	49					
|	V	51					
|	Cr	52					
|	Cr	53					
|	Mn	55					
|	Co	59					
|	Ni	60					
|	Cu	65					
|	Zn	66					
|>	Ge	72		93.021			
|	As	75					
|	Se	77					
|	Se	82					
⌊	Rb	85					
	Y	89					
	Rh	103					
⌈	Mo	98					
|	Ag	107					
|	Cd	114					
|>	In	115		101.427			
|	Sn	118					
⌊	Sb	123					
⌈	Ba	135					
|	Ce	140					
⌊>	Tb	159		108.899			
⌈	Ho	165					
|	Tl	203					
|	Tl	205					
|	Pb	206					
|	Pb	207					
|	Pb	208					
|	U	238					
⌊>	Bi	209		111.002			
⌈	Na	23					

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 20:06:16
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|	Mg	24
|	K	39
|	Ca	43
|	Fe	54
|	Fe	57
\└>	Sc-1	45
	Cl	35
	Kr	83
	Br	81
	P	31
	S	34

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Sample ID: QC Std 7
Report Date/Time: Tuesday, February 22, 2011 20:06:16

Approved: February 23, 2011

2.2.3 Metals CVAA Data (Mercury)

2.2.3.1 Summary Data

Login Number: L11020447

Department: Metals - AA

Analyst: Pierce Morris

METHOD

Preparation: SW-846 7470/7471

Analysis: SW-846 7470/7471

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Standards: All acceptance criteria were met.

Continuing Calibration Verification: All acceptance criteria were met.

Continuing Calibration Blank: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spikes: WG356943 - All acceptance criteria were met.

WG356988 - All acceptance criteria were met.

Matrix Spikes: WG356943 - Sample 01 was chosen by the client for MS/MSD analysis. Samples 03(MS) and 04(MSD) met all acceptance criteria.

SAMPLES

Samples: All acceptance criteria were met.

Narrative ID: 21694
Approved By: Sheri Pfalzgraf

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	7471A	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	7471A	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	7471A	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	7471A	1	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	7470A	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	7471A	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	7471A	1	17-FEB-11

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-01	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-TPS-2-16-11-COMP	Prep Method:	7471A	Prep Date:	02/18/2011 06:16
Matrix:	Soil	Analytical Method:	7471A	Cal Date:	02/18/2011 08:50
Workgroup Number:	WG356943	Analyst:	PDM	Run Date:	02/18/2011 09:14
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	HY.021811.091441
Sample Tag:	01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.0266	J	0.293	0.0117

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-02	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-2-16-11-DUP	Prep Method:	7471A	Prep Date:	02/18/2011 06:17
Matrix:	Soil	Analytical Method:	7471A	Cal Date:	02/18/2011 08:47
Workgroup Number:	WG356943	Analyst:	PDM	Run Date:	02/18/2011 09:22
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	HY.021811.092205
Sample Tag:	01	Units:	mg/kg	Percent Solid:	85.5

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.0259	J	0.290	0.0116

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-03	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-2-16-11-MS	Prep Method:	7471A	Prep Date:	02/18/2011 06:14
Matrix:	Soil	Analytical Method:	7471A	Cal Date:	02/18/2011 08:52
Workgroup Number:	WG356943	Analyst:	PDM	Run Date:	02/18/2011 09:24
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	HY.021811.092400
Sample Tag:	01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.311		0.293	0.0117

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	7471A	Prep Date:	02/18/2011 06:14
Matrix:	Soil	Analytical Method:	7471A	Cal Date:	02/18/2011 08:52
Workgroup Number:	WG356943	Analyst:	PDM	Run Date:	02/18/2011 09:25
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	HY.021811.092544
Sample Tag:	01	Units:	mg/kg	Percent Solid:	84.0

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.318		0.293	0.0117

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-05	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-2-16-11-FB	Prep Method:	7470A	Prep Date:	02/18/2011 11:14
Matrix:	Water	Analytical Method:	7470A	Cal Date:	
Workgroup Number:	WG356988	Analyst:	PDM	Run Date:	02/18/2011 14:07
Collect Date:	02/16/2011 12:20	Dilution:	1	File ID:	HY.021811.140758
Sample Tag:	01	Units:	mg/L		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury	7439-97-6		U	0.000200	0.000100

U Analyte was not detected. The concentration is below the reported LOD.

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-06	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-2-16-11-CLAY-C	Prep Method:	7471A	Prep Date:	02/18/2011 06:18
Matrix:	Soil	Analytical Method:	7471A	Cal Date:	02/18/2011 08:52
Workgroup Number:	WG356943	Analyst:	PDM	Run Date:	02/18/2011 09:27
Collect Date:	02/16/2011 12:40	Dilution:	1	File ID:	HY.021811.092730
Sample Tag:	01	Units:	mg/kg	Percent Solid:	81.7

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.112	J	0.293	0.0117

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-07	PrePrep Method:	NONE	Instrument:	HYDRA
Client ID:	SITE #1-2-16-11-CLAY-C-2	Prep Method:	7471A	Prep Date:	02/18/2011 06:19
Matrix:	Soil	Analytical Method:	7471A	Cal Date:	02/18/2011 08:52
Workgroup Number:	WG356943	Analyst:	PDM	Run Date:	02/18/2011 09:29
Collect Date:	02/16/2011 12:45	Dilution:	1	File ID:	HY.021811.092915
Sample Tag:	01	Units:	mg/kg	Percent Solid:	78.9

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Mercury, Total	7439-97-6	0.122	J	0.305	0.0122

J Estimated value ; the analyte concentration was less than the low standard (LOQ)

2.2.3.2 QC Summary

Example Cold Vapor Mercury Calculations
Hydra AA Mercury Analyzer

1.0 Initial Calibration (ICAL) Parameters
The system performs linear regression from data consisting of a blank and five standards.

2.0 Calculating the concentration (C) of an element in water using data from run log and quantitation report (note:the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Vi} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Diluted to Volume (mL)	40
Vi = Aliquot Volume (mL)	40
D = Manual dilution factor, if required (10X = 10)	1
Cx = Concentration of element in ppb (ug/L)	0.1

3.0 Calculating the concentration (C) of an element in soil using data from prep log and quantitation report (note: the data system performs this calculation automatically when correction factors have been entered):

$$Cx = Cs \times \frac{Vf}{Ws} \times D$$

Where:	**Example:**
Cs = Concentration computed by the data system (ug/L)	0.1
Vf = Diluted to volume (mL)	40
Ws = Aliquot weight (g)	0.6
D = Manual dilution factor	1
Cx = Concentration of element in ug/kg	6.67

4.0 Adjusting the concentration to dry weight:

$$Cdry = \frac{Cx \times 100}{Px}$$

1 Cx = Concentration calculated as received (wet basis)	6.67
Px = Percent solids of sample (%wt)	80
$Cdry$ = Concentration calculated as dry weight (ug/kg)	8.33

8.33 ug/kg = 0.00833 mg/kg

TCLP Non-Volatile

Analyst(s): Rac
Date: 02-17-11
Filter Lot #: H1136897 9

Agitator Speed 30 ± 2 rpm ☑

Analyst/Date		Analyst/Date	
Rac 2-17-11		Rac 2-18-11	
Time On	Temp On °C	Time Off	Temp Off °C
1500	23	0700	23

Jug #	Sample #	Tests	Method	Fluid #	Matrix*	%Solid	Size Reduction Yes	Size Reduction No	Int. Wt. (g)	Fluid Vol. (mL)
G13	02-357-01	ME SV	1311	F1-813	S/S	100		✓	100.00	2000
G9	02-358-01	1 (Spk)			1			✓	100.06	
G29	02-373-01	1 Herb			S			✓	100.07	
G14	02-378-01	PST 1			S		✓		100.01	
D	02-382-02	ME			S			✓	100.04	
D	02-387-01			1	S/S			✓	100.00	
D	02-438-01			F2-271	S	1		✓	100.08	
N/A	FBLK(1)	PEST HERB		F1-813	N/A	N/A		✓	2000	
1	FBLK(2)	1	1	F2-271	1	1		✓	1	1

Rac 2-17-11

*Matrix Code = (S-solid) (SS-sand, soil or sludge) (P-paint) (O-organic) (W-water or waste)
Agitator speed is 30 ± 2 rpm unless otherwise noted.

Comments: _____

Peer Review By: _____ Supervisor Review: _____

Microbac Laboratories Inc.
Metals Digest Log

Workgroup: WG356893
Analyst: REK
Spike Analyst: REK
Method: 7471A
Run Date: 02/18/2011 06:19
Hotblock Start Temp: 93.9 @ 06:30
Hotblock End Temp: 95.9 @ 07:00

SOP: ME405 Revison 10
Spike Solution: STD44019
Spike Witness: VC
HNO3 Lot #: COA15168
HCL Lot #: COA15185
Digestion Tubes Lot #: COA15251
KMnO4 1:1 Lot #: RGT15577
HG SOIL STD 10PPM Lot #: STD44026
HG SOILS ICV Lot #: STD44027

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Spike Amount	Due Date
1	WG356893-02	BLANK	7	.6 g	40 mL		
2	WG356893-03	LCS	7	.6 g	40 mL	4 mL	
3	L11020382-01	SAMP	10	.6 g	40 mL		02/25/11
4	WG356893-01	REF	7	.61 g	40 mL		
5	L11020447-01	RS01	7	.61 g	40 mL		02/24/11
6	L11020447-02	SAMP	7	.604 g	40 mL		02/24/11
7	WG356893-04	MS	7	.61 g	40 mL	4 mL	
8	L11020447-03	MS01	7	.61 g	40 mL	4 mL	02/24/11
9	WG356893-05	MSD	7	.61 g	40 mL	4 mL	
10	L11020447-04	SD01	7	.61 g	40 mL	4 mL	02/24/11
11	L11020447-06	SAMP	7	.628 g	40 mL		02/24/11
12	L11020447-07	SAMP	7	.624 g	40 mL		02/24/11

Analyst:

Reviewer: Brenda Gregory

HB_DIG - Modified 09/30/2009
PDF ID: 1922552
Report generated: 02/18/2011 08:02

Microbac Laboratories Inc.
Metals Digest Log

Workgroup: WG356968
Analyst: VC
Spike Analyst: VC
Method: 7470A
Run Date: 02/18/2011 11:14
Hotblock Start Temp: 94.5 @ 09:28
Hotblock End Temp: 95 @ 11:28

SOP: ME404 Revison 12
Spike Solution: STD44019
Spike Witness: ERP
H2SO4 Lot #: COA14202
Digestion Tubes Lot #: COA15251
HNO3 Lot #: COA15168
K2S2O8 1:1 Lot #: RGT15459
KMnO4 1:1 Lot #: RGT15577
Mercury QA/ICV Spike Lot: STD44028
HG H2O STDS 10PPM Lot #: STD44036

	SAMPLE #	Type	Matrix	Initial Amount	Final Volume	Spike Amount	Due Date
1	WG356968-02	BLANK	1	40 mL	40 mL		
2	WG356907-01	FBLK1	17	4 mL	40 mL		
3	WG356907-02	FBLK2	17	4 mL	40 mL		
4	WG356968-03	LCS	1	40 mL	40 mL	4 mL	
5	L11020357-01	SAMP	17	4 mL	40 mL		02/25/11
6	L11020358-01	SAMP	17	4 mL	40 mL		02/22/11
7	L11020382-02	SAMP	17	4 mL	40 mL		02/25/11
8	WG356968-01	REF	17	4 mL	40 mL		
9	L11020438-01	SAMP	17	4 mL	40 mL		02/22/11
10	L11020439-01	SAMP	12	1 mL	40 mL		02/25/11
11	L11020447-05	SAMP	1	40 mL	40 mL		02/24/11
12	WG356968-04	MS	1	40 mL	40 mL	4 mL	
13	WG356968-05	MSD	1	40 mL	40 mL	4 mL	

Analyst: Vicki Collins

Reviewer: Erin Potter

HB_DIG - Modified 09/30/2009
PDF ID: 1923184
Report generated: 02/18/2011 12:36

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HYDRA Dataset: 021811A.PRN
Analyst1: PDM Analyst2: N/A
Method: 7471 SOP: ME405 Rev: 10
Maintenance Log ID: 36481

Calibration Std: STD44026 ICV Std: STD44027 Post Spike: STD44026
ICSA: N/A ICSAB: N/A Int. Std:
CCV: LLCCV:

356943
Workgroups:

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	HY.021811.084346	WG356980-01	Calibration Point		1		02/18/11 08:43
2	HY.021811.084528	WG356980-02	Calibration Point		1		02/18/11 08:45
3	HY.021811.084712	WG356980-03	Calibration Point		1		02/18/11 08:47
4	HY.021811.084859	WG356980-04	Calibration Point		1		02/18/11 08:48
5	HY.021811.085047	WG356980-05	Calibration Point		1		02/18/11 08:50
6	HY.021811.085230	WG356980-06	Calibration Point		1		02/18/11 08:52
7	HY.021811.085413	WG356980-07	Initial Calibration Verification		1		02/18/11 08:54
8	HY.021811.085556	WG356980-08	Initial Calib Blank		1		02/18/11 08:55
9	HY.021811.085739	WG356980-09	CCV		1		02/18/11 08:57
10	HY.021811.085941	WG356980-10	CCB		1		02/18/11 08:59
11	HY.021811.090439	WG356893-02	Method/Prep Blank	.6/40	1		02/18/11 09:04
12	HY.021811.090632	WG356893-03	Laboratory Control S	.6/40	1		02/18/11 09:06
13	HY.021811.090815	L11020382-01	21511-BB		100		02/18/11 09:08
14	HY.021811.091056	L11020382-01	21511-BB	.6/40	1		02/18/11 09:10
15	HY.021811.091247	WG356943-01	Post Digestion Spike		1	L11020382-01	02/18/11 09:12
16	HY.021811.091441	WG356893-01	Reference Sample	.61/40	1	L11020447-01	02/18/11 09:14
17	HY.021811.091633	WG356980-11	CCV		1		02/18/11 09:16
18	HY.021811.091818	WG356980-12	CCB		1		02/18/11 09:18
19	HY.021811.092011	WG356943-02	Post Digestion Spike		1	L11020447-01	02/18/11 09:20
20	HY.021811.092205	L11020447-02	SITE \#1-2-16-11-DUP	.604/40	1		02/18/11 09:22
21	HY.021811.092400	L11020447-03	SITE \#1-2-16-11-MS	.61/40	1	WG356893-04	02/18/11 09:24
22	HY.021811.092544	L11020447-04	SITE \#1-2-16-11-MSD	.61/40	1	WG356893-05	02/18/11 09:25
23	HY.021811.092730	L11020447-06	SITE \#1-2-16-11-CLAY-C	.628/40	1		02/18/11 09:27
24	HY.021811.092915	L11020447-07	SITE \#1-2-16-11-CLAY-C-2	.624/40	1		02/18/11 09:29
25	HY.021811.093059	WG356980-13	CCV		1		02/18/11 09:30
26	HY.021811.093242	WG356980-14	CCB		1		02/18/11 09:32

Comments

Seq.	Rerun	Dil.	Reason	Analytes
13			Initially analyzed at a dilution due to historically high concentrations of mercury. Sample reanalyzed at no dilution at 09:10	

Page: 1 Approved: February 21, 2011

Maren Berry

Microbac Laboratories Inc.

Instrument Run Log

Instrument: HYDRA Dataset: 021811B.PRN
Analyst1: PDM Analyst2: N/A
Method: 7470 SOP: ME404 Rev: 12
Maintenance Log ID: 36481

Calibration Std: STD44036 ICV Std: STD44028 Post Spike: STD44036
ICSA: N/A ICSAB: N/A Int. Std:
CCV: LLCCV:

356988
Workgroups:

Comments:

Seq.	File ID	Sample	ID	Prep	Dil	Reference	Date/Time
1	HY.021811.132036	WG357000-01	Calibration Point		1		02/18/11 13:20
2	HY.021811.132220	WG357000-02	Calibration Point		1		02/18/11 13:22
3	HY.021811.132402	WG357000-03	Calibration Point		1		02/18/11 13:24
4	HY.021811.132555	WG357000-04	Calibration Point		1		02/18/11 13:25
5	HY.021811.132738	WG357000-05	Calibration Point		1		02/18/11 13:27
6	HY.021811.132941	WG357000-06	Calibration Point		1		02/18/11 13:29
7	HY.021811.133127	WG357000-07	Initial Calibration Verification		1		02/18/11 13:31
8	HY.021811.133339	WG357000-08	Initial Calib Blank		1		02/18/11 13:33
9	HY.021811.133524	WG357000-09	CCV		1		02/18/11 13:35
10	HY.021811.133721	WG357000-10	CCB		1		02/18/11 13:37
11	HY.021811.133926	WG356968-02	Method/Prep Blank	40/40	1		02/18/11 13:39
12	HY.021811.134124	WG356968-03	Laboratory Control S	40/40	1		02/18/11 13:41
13	HY.021811.134338	WG356907-01	TCLP Fluid Blank 1		1		02/18/11 13:43
14	HY.021811.134553	WG356907-02	TCLP Fluid Blank 2		1		02/18/11 13:45
15	HY.021811.134735	L11020357-01	B156-S-021011	4/40	1		02/18/11 13:47
16	HY.021811.134928	WG356988-01	Post Digestion Spike		1	L11020357-01	02/18/11 13:49
17	HY.021811.135140	L11020358-01	SOIL-021011	4/40	1		02/18/11 13:51
18	HY.021811.135324	L11020382-02	21511-BB	4/40	1		02/18/11 13:53
19	HY.021811.135508	WG357000-11	CCV		1		02/18/11 13:55
20	HY.021811.135654	WG357000-12	CCB		1		02/18/11 13:56
21	HY.021811.135858	WG356968-01	Reference Sample	4/40	1	L11020438-01	02/18/11 13:58
22	HY.021811.140053	WG356968-04	Matrix Spike	40/40	1	L11020438-01	02/18/11 14:00
23	HY.021811.140248	WG356968-05	Matrix Spike Duplica	40/40	1	L11020438-01	02/18/11 14:02
24	HY.021811.140433	L11020439-01	24451 WW SLUDGE	1/40	1		02/18/11 14:04
25	HY.021811.140615	WG356988-02	Post Digestion Spike		1	L11020439-01	02/18/11 14:06
26	HY.021811.140758	L11020447-05	SITE \#1-2-16-11-FB	40/40	1		02/18/11 14:07
27	HY.021811.140950	WG356988-03	Post Digestion Spike		1	L11020447-05	02/18/11 14:09
28	HY.021811.141326	FBLK	FBLK		1		02/18/11 14:13
29	HY.021811.141508	WG357000-13	CCV		1		02/18/11 14:15
30	HY.021811.141700	WG357000-14	CCB		1		02/18/11 14:17

Page: 1 Approved: February 22, 2011

Sheri L. Babgard

Microbac

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: PDM
Analyst: NA
Method: 7471
Instrument: HYDRA
Curve Workgroup: 356980
Runlog ID: 39095
Analytical Workgroups: 356943

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	0447
Client Forms	X
Level X	
Level 3	
Level 4	0447
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	PDM
Secondary Reviewer	MMB
Comments	

Primary Reviewer:
18-FEB-2011
Pierce Morris

Secondary Reviewer:
21-FEB-2011
Maren Berry

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 11:20:51

Microbac Laboratories Inc.

Data Checklist

Date: 18-FEB-2011
Analyst: PDM
Analyst: NA
Method: 7470
Instrument: HYDRA
Curve Workgroup: 357000
Runlog ID: 39106
Analytical Workgroups: 356988

Calibration/Linearity	X
ICV/CCV	X
ICB/CCB	X
ICSA/ICSAB	
CRI	
Blank/LCS	X
MS/MSD	X
Post Spike/Serial Dilution	X
Upload Results	X
Data Qualifiers	
Generate PDF Instrument Data	X
Sign/Annotate PDF Data	X
Upload Curve Data	X
Workgroup Forms	X
Case Narrative	0357,0358,0439,0447
Client Forms	X
Level X	
Level 3	
Level 4	0447
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	X
Primary Reviewer	PDM
Secondary Reviewer	SLP
Comments	

Primary Reviewer:
21-FEB-2011

Secondary Reviewer:
22-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-22-2011 15:55:25

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method: 7471A

AAB#: WG356943

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-TPS-2-16-11-COM	01	02/16/11					02/18/11	1.8	28		02/18/11	1.9	28	
SITE #1-2-16-11-DUP	02	02/16/11					02/18/11	1.8	28		02/18/11	1.9	28	
SITE #1-2-16-11-MS	03	02/16/11					02/18/11	1.8	28		02/18/11	1.9	28	
SITE #1-2-16-11-MSD	04	02/16/11					02/18/11	1.8	28		02/18/11	1.9	28	
SITE #1-2-16-11-CLAY-C	06	02/16/11					02/18/11	1.7	28		02/18/11	1.9	28	
SITE #1-2-16-11-CLAY-C-	07	02/16/11					02/18/11	1.7	28		02/18/11	1.9	28	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1923223
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

HOLDING TIMES
EQUIVALENT TO AFCEE FORM 9

Analytical Method 7470A AAB#: WG356988

Login Number: L11020447

Client ID	ID	Date Collected	TCLP Date	Time Held	Max Hold	Q	Extract Date	Time Held	Max Hold	Q	Run Date	Time Held	Max Hold	Q
SITE #1-2-16-11-FB	05	02/16/11					02/18/11	2	28		02/18/11	2.1	28	

* = SEE PROJECT QAPP REQUIREMENTS

HOLD_TIMES - Modified 03/06/2008
PDF File ID: 1923223
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L11020447
Work Group: WG356943
Blank File ID: HY.021811.090439
Blank Sample ID: WG356893-02
Prep Date: 02/18/11 06:19
Instrument ID: HYDRA
Analyzed Date: 02/18/11 09:04
Method: 7471A
Analyst: PDM

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356893-03	HY.021811.090632	02/18/11 09:06	01
SITE #1-TPS-2-16-11-COMP	L11020447-01	HY.021811.091441	02/18/11 09:14	01
SITE #1-2-16-11-DUP	L11020447-02	HY.021811.092205	02/18/11 09:22	01
SITE #1-2-16-11-MS	L11020447-03	HY.021811.092400	02/18/11 09:24	01
SITE #1-2-16-11-MSD	L11020447-04	HY.021811.092544	02/18/11 09:25	01
SITE #1-2-16-11-CLAY-C	L11020447-06	HY.021811.092730	02/18/11 09:27	01
SITE #1-2-16-11-CLAY-C-2	L11020447-07	HY.021811.092915	02/18/11 09:29	01

Report Name: BLANK_SUMMARY
PDF File ID: 1923224
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number:	L11020447	Work Group:	WG356988
Blank File ID:	HY.021811.133926	Blank Sample ID:	WG356968-02
Prep Date:	02/18/11 11:14	Instrument ID:	HYDRA
Analyzed Date:	02/18/11 13:39	Method:	7470A
Analyst:	PDM		

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG356968-03	HY.021811.134124	02/18/11 13:41	01
SITE #1-2-16-11-FB	L11020447-05	HY.021811.140758	02/18/11 14:07	01

Report Name: BLANK_SUMMARY
PDF File ID: 1923224
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 06:19 Sample ID: WG356893-02
Instrument ID: HYDRA Run Date: 02/18/11 09:04 Prep Method: 7471A
File ID: HY.021811.090439 Analyst: PDM Method: 7471A
Workgroup (AAB#): WG356943 Matrix: Soil Units: mg/kg
Contract #: Cal ID: HYDRA-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Mercury, Total	0.0100	0.250	0.0100	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1923225
22-FEB-2011 16:00

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L11020447 Prep Date: 02/18/11 11:14 Sample ID: WG356968-02
Instrument ID: HYDRA Run Date: 02/18/11 13:39 Prep Method: 7470A
File ID: HY.021811.133926 Analyst: PDM Method: 7470A
Workgroup (AAB#): WG356988 Matrix: Water Units: mg/L
Contract #: Cal ID: HYDRA-18-FEB-11

Analytes	LOD	LOQ	Concentration	Dilution	Qualifier
Mercury	0.000100	0.000200	0.000100	1	U

LOD Method Detection Limit
LOQ Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > 1/2 RL

Report Name:BLANK
PDF ID: 1923225
22-FEB-2011 16:00

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356893-03
Instrument ID: HYDRA Run Time: 09:06 Prep Method: 7471A
File ID: HY.021811.090632 Analyst: PDM Method: 7471A
Workgroup (AAB#): WG356943 Matrix: Soil Units: mg/kg
QC Key: DOD4 Lot#: STD44019 Cal ID: HYDRA-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury, Total	0.267	0.299	112	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1923226
Report generated: 02/22/2011 16:00

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356968-03
Instrument ID: HYDRA Run Time: 13:41 Prep Method: 7470A
File ID: HY.021811.134124 Analyst: PDM Method: 7470A
Workgroup (AAB#): WG356988 Matrix: Water Units: mg/L
QC Key: DOD4 Lot#: STD44019 Cal ID: HYDRA-18-FEB-11

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury	0.00400	0.00423	106	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1923226
Report generated: 02/22/2011 16:00

Microbac Laboratories Inc.

MS/MSD REPORT

Loginnum:L11020447 Cal ID:HYDRA- 18-FEB-11 Worknum:WG356943
Instrument ID:HYDRA Contract #: Prep Method:7471A
Parent ID:L11020447-01 File ID:HY.021811.091441 Dil:1 Method:7471A
Sample ID:L11020447-03 MS File ID:HY.021811.092400 Dil:1 Matrix:Soil
Sample ID:L11020447-04 MSD File ID:HY.021811.092544 Dil:1 Units:mg/kg
Percent Solid:84.0

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Mercury, Total	0.0266	0.312	0.311	91	0.312	0.318	93.2	2.24	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

MS_MSD - Modified 03/06/2008
PDF File ID: 1923227
Report generated 02/23/2011 16:25

Microbac Laboratories Inc.

MATRIX SPIKE AND MATRIX SPIKE DUP (MS/MSD)

Loginnum:L11020447 Cal ID:HYDRA- Worknum:WG356988
Instrument ID:HYDRA Contract #: Method:7470A
Parent ID:WG356968-01 File ID:HY.021811.135858 Dil:1 Matrix:WATER
Sample ID:WG356968-04 MS File ID:HY.021811.140053 Dil:1 Units:mg/L
Sample ID:WG356968-05 MSD File ID:HY.021811.140248 Dil:1

Analyte	Parent	MS Spiked	MS Found	MS %Rec	MSD Spiked	MSD Found	MSD %Rec	%RPD	%Rec Limits	RPD Limit	Q
Mercury	0.000210	0.00400	0.00449	107	0.00400	0.00447	107	0.446	80 - 120	20	

* FAILS %REC LIMIT

FAILS RPD LIMIT

NOTE: This is an internal quality control sample.

WG_MS_MSD_DRYWT - Modified 03/07/2008
PDF File ID:1923228
Report generated 02/23/2011 16:25

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356943
Instrument ID: HYDRA **Method:** 7471A
Post Spike ID: WG356943-02 **File ID:** HY.021811.092011 **Dil:** 1 **Units:** ug/L
Sample ID: L11020447-01 **File ID:** HY.021811.091441 **Dil:** 1 **Matrix:** Soil

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
MERCURY	1.33	F	0.341	F	1	102.3	85 - 115	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1923222
Report generated: 02/22/2011 16:00

Microbac Laboratories Inc.
POST SPIKE REPORT

Sample Login ID: L11020447 **Worknum:** WG356988
Instrument ID: HYDRA **Method:** 7470A
Post Spike ID: WG356988-03 **File ID:** HY.021811.140950 **Dil:** 1 **Units:** ug/L
Sample ID: L11020447-05 **File ID:** HY.021811.140758 **Dil:** 1 **Matrix:** Water

Analyte	Post Spike Result	C	Sample Result	C	Spike Added(SA)	% R	Control Limit %R	Q
MERCURY	1.01		0	U	1	101.0	85 - 115	

N = % Recovery exceeds control limits
F = Result is between MDL and RL
U = Sample result is below MDL. A value of zero is used in the calculation

POST_SPIKE - Modified 03/06/2008
PDF File ID: 1923222
Report generated: 02/22/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447
Analytical Method: 7471A
ICAL Worknum: WG356980

Workgroup (AAB#): WG356943
Instrument ID: HYDRA
Initial Calibration Date: 02/18/2011 08:52

Analyte	WG356980-01		WG356980-02		WG356980-03		WG356980-04		WG356980-05		WG356980-06	
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT
Mercury	0	80	0.200	810	1.00	3889	2.00	7541	5.00	19520	10.0	38661

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
*** = Out of Compliance; R < 0.995**

INT_CAL_HG_FU - Modified 03/06/2008
PDF File ID: 1923229
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447
Analytical Method: 7471A
ICAL Worknum: WG356980

Workgroup (AAB#): WG356943
Instrument ID: HYDRA
Initial Calibration Date: 02/18/2011 08:52

Analyte	R	Q
Mercury	1.000	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

INT_CAL_HG_FU - Modified 03/06/2008
PDF File ID: 1923229
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447
Analytical Method: 7470A
ICAL Worknum: WG357000

Workgroup (AAB#): WG356988
Instrument ID: HYDRA
Initial Calibration Date: 02/18/2011 13:29

Analyte	WG357000-01		WG357000-02		WG357000-03		WG357000-04		WG357000-05		WG357000-06	
	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT	STD	INT
Mercury	0	165	0.200	840	1.00	3469	2.00	6682	5.00	16533	10.0	33404

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

INT_CAL_HG_FU - Modified 03/06/2008
PDF File ID: 1923229
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION SUMMARY

Login Number: L11020447
Analytical Method: 7470A
ICAL Worknum: WG357000

Workgroup (AAB#): WG356988
Instrument ID: HYDRA
Initial Calibration Date: 02/18/2011 13:29

Analyte	R	Q
Mercury	1.000	

INT = Instrument intensity
R = Coefficient of correlation
Q = Data Qualifier
* = Out of Compliance; R < 0.995

INT_CAL_HG_FU - Modified 03/06/2008
PDF File ID: 1923229
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356980-08
Instrument ID: HYDRA Run Time: 08:55 Method: 7471A
File ID: HY.021811.085556 Analyst: PDM Units: ug/L
Workgroup (AAB#): WG356943 Cal ID: HYDRA - 18-FEB-11
Matrix: SOIL

Analytes	MDL	RDL	Concentration	Qualifier
MERCURY	.15	3.75	.15	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1923231
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.
INITIAL CALIBRATION BLANK (ICB)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357000-08
Instrument ID: HYDRA Run Time: 13:33 Method: 7470A
File ID: HY.021811.133339 Analyst: PDM Units: ug/L
Workgroup (AAB#): WG356988 Cal ID: HYDRA - 18-FEB-11
Matrix: WATER

Analytes	MDL	RDL	Concentration	Qualifier
MERCURY	.1	.2	.1	U

U = Result is less than 2 x MDL
F = Result is between MDL and 2 x MDL
* = Result is above 2 x MDL

ICB - Modified 07/14/2009
PDF File ID: 1923231
Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/18/2011	Sample ID:	WG356980-10
Instrument ID:	HYDRA	Run Time:	08:59	Method:	7471A
File ID:	HY.021811.085941	Analyst:	PDM	Units:	ug/L
Workgroup (AAB#):	WG356943	Cal ID:	HYDRA - 18-FEB-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Mercury	0.150	3.75	0.150	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923233
Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/18/2011	Sample ID:	WG356980-12
Instrument ID:	HYDRA	Run Time:	09:18	Method:	7471A
File ID:	HY.021811.091818	Analyst:	PDM	Units:	ug/L
Workgroup (AAB#):	WG356943	Cal ID:	HYDRA - 18-FEB-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Mercury	0.150	3.75	0.150	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923233
Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/18/2011	Sample ID:	WG356980-14
Instrument ID:	HYDRA	Run Time:	09:32	Method:	7471A
File ID:	HY.021811.093242	Analyst:	PDM	Units:	ug/L
Workgroup (AAB#):	WG356943	Cal ID:	HYDRA - 18-FEB-11		
Matrix:	SOIL	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Mercury	0.150	3.75	0.150	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923233
Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/18/2011	Sample ID:	WG357000-10
Instrument ID:	HYDRA	Run Time:	13:37	Method:	7470A
File ID:	HY.021811.133721	Analyst:	PDM	Units:	ug/L
Workgroup (AAB#):	WG356988	Cal ID:	HYDRA - 18-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Mercury	0.100	0.200	0.100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923233
Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/18/2011	Sample ID:	WG357000-12
Instrument ID:	HYDRA	Run Time:	13:56	Method:	7470A
File ID:	HY.021811.135654	Analyst:	PDM	Units:	ug/L
Workgroup (AAB#):	WG356988	Cal ID:	HYDRA - 18-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Mercury	0.100	0.200	0.100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923233
Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION BLANK (CCB)

Login Number:	L11020447	Run Date:	02/18/2011	Sample ID:	WG357000-14
Instrument ID:	HYDRA	Run Time:	14:17	Method:	7470A
File ID:	HY.021811.141700	Analyst:	PDM	Units:	ug/L
Workgroup (AAB#):	WG356988	Cal ID:	HYDRA - 18-FEB-11		
Matrix:	WATER	QAPP:	DOD4		

Analytes	MDL	RDL	Concentration	Qualifier
Mercury	0.100	0.200	0.100	U

U = Result is less than MDL.
F = Result is between MDL and RL.
* = Result is above RL.

CCB - Modified 03/05/2008
PDF File ID: 1923233
Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356980-07

Instrument ID: HYDRA Run Time: 08:54 Method: 7471A

File ID: HY.021811.085413 Analyst: PDM Units: ug/L

Workgroup (AAB#): WG356943 Cal ID: HYDRA - 18-FEB-11

QC Key: DOD4

Analyte	Expected	Found	%REC	LIMITS	Q
Mercury	2	2.07	104	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1923230

Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

INITIAL CALIBRATION VERIFICATION (ICV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357000-07

Instrument ID: HYDRA Run Time: 13:31 Method: 7470A

File ID: HY.021811.133127 Analyst: PDM Units: ug/L

Workgroup (AAB#): WG356988 Cal ID: HYDRA - 18-FEB-11

QC Key: DOD4

Analyte		Expected	Found	%REC	LIMITS	Q
Mercury		2	2.08	104	90 - 110	

* Exceeds LIMITS Limit

ICV - Modified 03/06/2008

PDF File ID: 1923230

Report generated 02/22/2011 16:00

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356980-09

Instrument ID: HYDRA Run Time: 08:57 Method: 7471A

File ID: HY.021811.085739 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356943 Cal ID: HYDRA - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Mercury, Total		0.00200	0.00206	mg/L	103	80 - 120		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923232

Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356980-11

Instrument ID: HYDRA Run Time: 09:16 Method: 7471A

File ID: HY.021811.091633 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356943 Cal ID: HYDRA - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Mercury, Total		0.00200	0.00215	mg/L	108	80 - 120		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923232

Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG356980-13

Instrument ID: HYDRA Run Time: 09:30 Method: 7471A

File ID: HY.021811.093059 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356943 Cal ID: HYDRA - 18-FEB-11

Matrix: SOIL

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Mercury, Total		0.00200	0.00204	mg/L	102	80 - 120		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923232

Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357000-09

Instrument ID: HYDRA Run Time: 13:35 Method: 7470A

File ID: HY.021811.133524 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356988 Cal ID: HYDRA - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Mercury, Total		0.00200	0.00199	mg/L	99.5	80 - 120		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923232

Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357000-11

Instrument ID: HYDRA Run Time: 13:55 Method: 7470A

File ID: HY.021811.135508 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356988 Cal ID: HYDRA - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Mercury, Total		0.00200	0.00200	mg/L	100	80 - 120		

* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923232

Report generated 02/22/2011 16:01

Microbac Laboratories Inc.

CONTINUING CALIBRATION VERIFICATION (CCV)

Login Number: L11020447 Run Date: 02/18/2011 Sample ID: WG357000-13

Instrument ID: HYDRA Run Time: 14:15 Method: 7470A

File ID: HY.021811.141508 Analyst: PDM QC Key: DOD4

Workgroup (AAB#): WG356988 Cal ID: HYDRA - 18-FEB-11

Matrix: WATER

Analyte		Expected	Found	UNITS	%REC	LIMITS		Q
Mercury, Total		0.00200	0.00203	mg/L	102	80 - 120		

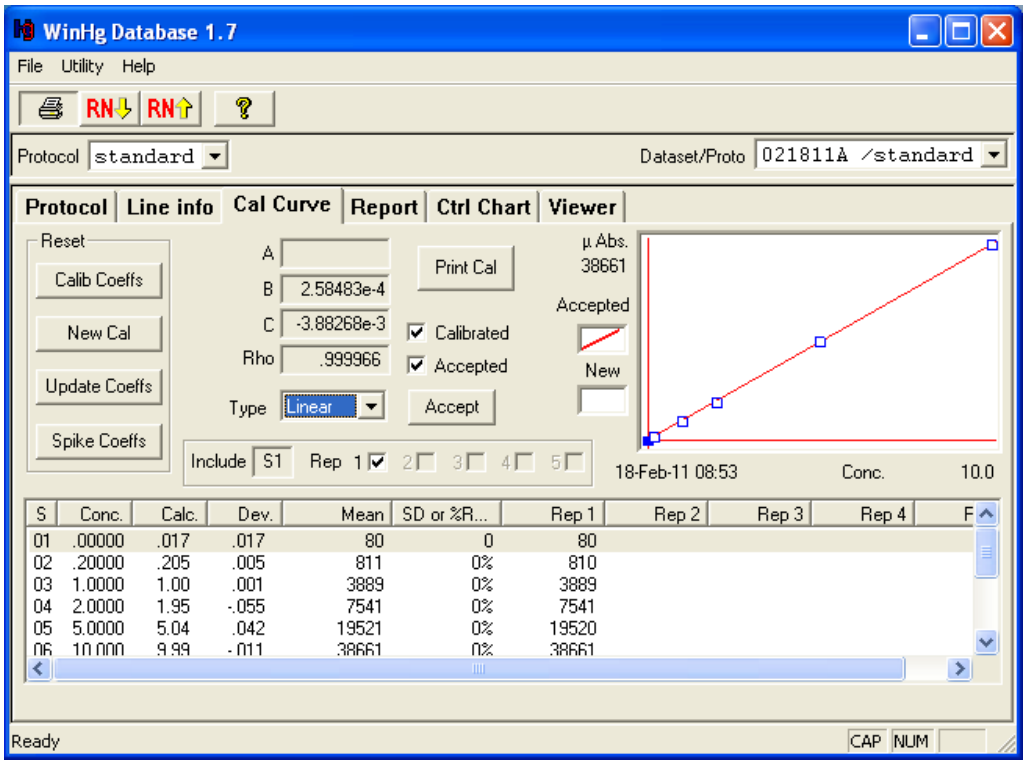
* Exceeds LIMITS Criteria

CCV - Modified 03/05/2008

PDF File ID: 1923232

Report generated 02/22/2011 16:01

2.2.3.3 Raw Data



Approved: February 18, 2011

Pierre Morris

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       08:43:46 18 Feb 11   HG

Hg    .000    ppb      80

*** Standard: 2 Rep: 1              Seq:  2       08:45:28 18 Feb 11   HG

Hg    .200    ppb      810

*** Standard: 3 Rep: 1              Seq:  3       08:47:12 18 Feb 11   HG

Hg    1.00    ppb      3889

*** Standard: 4 Rep: 1              Seq:  4       08:48:59 18 Feb 11   HG

Hg    2.00    ppb      7541

*** Standard: 5 Rep: 1              Seq:  5       08:50:47 18 Feb 11   HG

Hg    5.00    ppb      19520

*** Standard: 6 Rep: 1              Seq:  6       08:52:30 18 Feb 11   HG

Hg    10.0    ppb      38661

*** Check Standard: 2  Ck2ICV       Seq:  7       08:54:13 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     2.07    2.00   ppb        .000

*** Check Standard: 3  Ck3ICB       Seq:  8       08:55:56 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          6.33     .013    .200   ppb        .000

*** Check Standard: 4  Ck4CCV       Seq:  9       08:57:39 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          103.     2.06    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB       Seq:  10      08:59:41 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          17.4     .035    .200   ppb        .000

*** Sample ID: WG35689302            Seq:  11     09:04:39 18 Feb 11   HG

Hg    .034    ppb       .000      .034

*** Sample ID: WG35689303            Seq:  12     09:06:32 18 Feb 11   HG

Hg    4.48    ppb       .000      4.48
```

Approved: February 18, 2011

Pierre Morris

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: 1102038201            Seq:  13     09:08:15 18 Feb 11   HG
                          DL0.01
Hg   -.025    ppb        .000     -.025

*** Sample ID: 1102038201            Seq:  14     09:10:56 18 Feb 11   HG

Hg    .735    ppb        .000      .735

*** Sample ID: WG35694301            Seq:  15     09:12:47 18 Feb 11   HG
                          1102038201PS.9
Hg    1.74    ppb        .000      1.74

*** Sample ID: 1102044701            Seq:  16     09:14:41 18 Feb 11   HG
                          WG35689301
Hg    .341    ppb        .000      .341

*** Check Standard: 4  Ck4CCV        Seq:  17     09:16:33 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          108.     2.15    2.00  ppb         .000

*** Check Standard: 5  Ck5CCB        Seq:  18     09:18:18 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          12.3     .025    .200  ppb         .000

*** Sample ID: WG35694302            Seq:  19     09:20:11 18 Feb 11   HG
                          1102044701PS.9
Hg    1.33    ppb        .000      1.33

*** Sample ID: 1102044702            Seq:  20     09:22:05 18 Feb 11   HG

Hg    .334    ppb        .000      .334

*** Sample ID: WG35689304            Seq:  21     09:24:00 18 Feb 11   HG
                          1102044703S
Hg    3.98    ppb        .000      3.98

*** Sample ID: WG35689305            Seq:  22     09:25:44 18 Feb 11   HG
                          1102044704SD
Hg    4.07    ppb        .000      4.07

*** Sample ID: 1102044706            Seq:  23     09:27:30 18 Feb 11   HG

Hg    1.44    ppb        .000      1.44

*** Sample ID: 1102044707            Seq:  24     09:29:15 18 Feb 11   HG

Hg    1.50    ppb        .000      1.50
```

Initially analyzed at a dilution due to historically high concentrations of mercury. Sample reanalyzed at no dilution at 09:10

Approved: February 18, 2011

Pierre Morris

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 4 Ck4CCV Seq: 25 09:30:59 18 Feb 11 HG

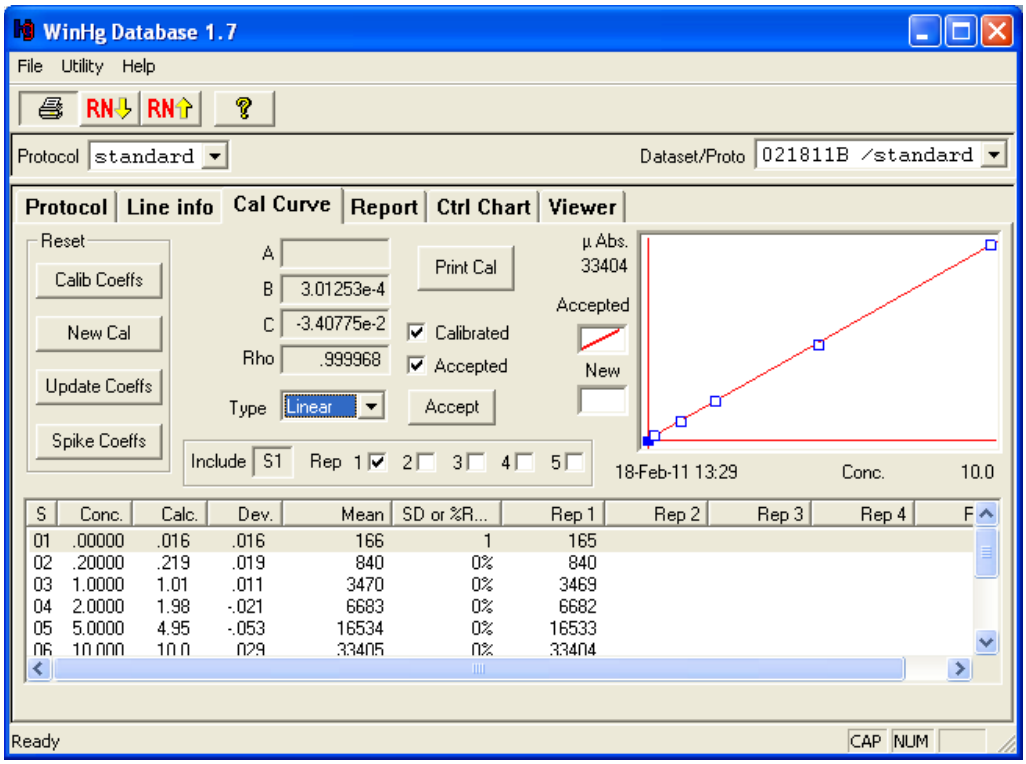
Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.	2.04	2.00	ppb	.000

*** Check Standard: 5 Ck5CCB Seq: 26 09:32:42 18 Feb 11 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		13.3	.027	.200	ppb	.000

Approved: February 18, 2011

Pierre Morris



Approved: February 21, 2011

Pierre Morris

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  1       13:20:36 18 Feb 11   HG

Hg    .000    ppb      165

*** Standard: 2 Rep: 1              Seq:  2       13:22:20 18 Feb 11   HG

Hg    .200    ppb      840

*** Standard: 3 Rep: 1              Seq:  3       13:24:02 18 Feb 11   HG

Hg    1.00    ppb      3469

*** Standard: 4 Rep: 1              Seq:  4       13:25:55 18 Feb 11   HG

Hg    2.00    ppb      6682

*** Standard: 5 Rep: 1              Seq:  5       13:27:38 18 Feb 11   HG

Hg    5.00    ppb      16533

*** Standard: 6 Rep: 1              Seq:  6       13:29:41 18 Feb 11   HG

Hg    10.0    ppb      33404

*** Check Standard: 2  Ck2ICV       Seq:  7       13:31:27 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          104.     2.08    2.00   ppb        .000

*** Check Standard: 3  Ck3ICB       Seq:  8       13:33:39 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -9.66    -.019    .200   ppb        .000

*** Check Standard: 4  Ck4CCV       Seq:  9       13:35:24 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.7     1.99    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB       Seq:  10      13:37:21 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          1.04     .002    .200   ppb        .000

*** Sample ID: WG35696802            Seq:  11     13:39:26 18 Feb 11   HG
                          PBW 91
Hg   -.012    ppb       .000     -.012

*** Sample ID: WG35696803            Seq:  12     13:41:24 18 Feb 11   HG
                         LCSW 91
Hg    4.23    ppb       .000      4.23
```

Approved: February 21, 2011

Pierce Morris

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: WG35690701            Seq:  13     13:43:38 18 Feb 11   HG
                           TCLP BLANK
Hg    .007    ppb       .000      .007

*** Sample ID: WG35690702            Seq:  14     13:45:53 18 Feb 11   HG
                           TCLP BLANK
Hg   -.025    ppb       .000     -.025

*** Sample ID: 1102035701            Seq:  15     13:47:35 18 Feb 11   HG

Hg    .006    ppb       .000      .006

*** Sample ID: WG35698801            Seq:  16     13:49:28 18 Feb 11   HG
                         1102035701PS.9
Hg    1.03    ppb       .000      1.03

*** Sample ID: 1102035801            Seq:  17     13:51:40 18 Feb 11   HG

Hg   -.036    ppb       .000     -.036

*** Sample ID: 1102035802            Seq:  18     13:53:24 18 Feb 11   HG

Hg   -.002    ppb       .000     -.002

*** Check Standard: 4  Ck4CCV        Seq:  19     13:55:08 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          100.     2.00    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB        Seq:  20     13:56:54 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -10.7    -.021    .200   ppb        .000

*** Sample ID: 1102043801            Seq:  21     13:58:58 18 Feb 11   HG
                           WG35696801
Hg    .021    ppb       .000      .021

*** Sample ID: WG35696804            Seq:  22     14:00:53 18 Feb 11   HG
                         1102043801S
Hg    4.49    ppb       .000      4.49

*** Sample ID: WG35696805            Seq:  23     14:02:48 18 Feb 11   HG
                         1102043801SD
Hg    4.47    ppb       .000      4.47

*** Sample ID: 1102043901            Seq:  24     14:04:33 18 Feb 11   HG

Hg    .106    ppb       .000      .106
```

Approved: February 21, 2011

Pierre Morris

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: WG35698802            Seq:  25     14:06:15 18 Feb 11   HG
                          1102043901PS.9
Hg    1.13    ppb       .000      1.13

*** Sample ID: 1102044705            Seq:  26     14:07:58 18 Feb 11   HG

Hg   -.023    ppb       .000     -.023

*** Sample ID: WG35698803            Seq:  27     14:09:50 18 Feb 11   HG
                          1102044705PS.9
Hg    1.01    ppb       .000      1.01

*** Sample ID: FBLK                  Seq:  28     14:13:26 18 Feb 11   HG

Hg   -.056    ppb       .000     -.056

*** Check Standard: 4  Ck4CCV        Seq:  29     14:15:08 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          101.     2.03    2.00   ppb        .000

*** Check Standard: 5  Ck5CCB        Seq:  30     14:17:00 18 Feb 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg         -1.07    -.002    .200   ppb        .000
```

Approved: February 21, 2011

Pierre Morris

2.3 General Chemistry Data

2.3.1 Percent Solids Data

2.3.1.1 Raw Data

LABORATORY REPORT

L11020447

02/23/11 15:51

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	D2216-90	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	D2216-90	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	D2216-90	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	D2216-90	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	D2216-90	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	D2216-90	1	17-FEB-11

Microbac Laboratories Inc.

Report Number: **L11020447**
Report Date : **February 23, 2011**

Sample Number:	**L11020447-01**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SITE #1-TPS-2-16-11-COMP**	Prep Method:	**D2216-90**	Prep Date:	**02/22/2011 09:07**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG357101**	Analyst:	**JDH**	Run Date:	**02/22/2011 09:07**
Collect Date:	**02/16/2011 11:20**	Dilution:	**1**	File ID:	**B1.357101-0131**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**84.0**		**1.00**	**1.00**

Report Number: **L11020447**
Report Date : **February 23, 2011**

Sample Number:	**L11020447-02**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SITE #1-2-16-11-DUP**	Prep Method:	**D2216-90**	Prep Date:	**02/22/2011 09:07**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG357101**	Analyst:	**JDH**	Run Date:	**02/22/2011 09:07**
Collect Date:	**02/16/2011 11:20**	Dilution:	**1**	File ID:	**B1.357101-0132**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**85.5**		**1.00**	**1.00**

Report Number: **L11020447**
Report Date : **February 23, 2011**

Sample Number:	**L11020447-03**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SITE #1-2-16-11-MS**	Prep Method:	**D2216-90**	Prep Date:	**02/22/2011 09:07**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG357101**	Analyst:	**JDH**	Run Date:	**02/22/2011 09:07**
Collect Date:	**02/16/2011 11:20**	Dilution:	**1**	File ID:	**B1.357101-0133**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**84.0**		**1.00**	**1.00**

Report Number: **L11020447**
Report Date : **February 23, 2011**

Sample Number:	**L11020447-04**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SITE #1-2-16-11-MSD**	Prep Method:	**D2216-90**	Prep Date:	**02/22/2011 09:07**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG357101**	Analyst:	**JDH**	Run Date:	**02/22/2011 09:07**
Collect Date:	**02/16/2011 11:20**	Dilution:	**1**	File ID:	**B1.357101-0134**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**84.0**		**1.00**	**1.00**

Report Number: **L11020447**
Report Date : **February 23, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG357101**
Collect Date: **02/16/2011 12:40**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **02/22/2011 09:07**
Cal Date:
Run Date: **02/22/2011 09:07**
File ID: **B1.357101-0135**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**81.7**		**1.00**	**1.00**

Report Number: **L11020447**
Report Date : **February 23, 2011**

Sample Number:	**L11020447-07**	PrePrep Method:	**NONE**	Instrument:	**BAL001**
Client ID:	**SITE #1-2-16-11-CLAY-C-2**	Prep Method:	**D2216-90**	Prep Date:	**02/22/2011 09:07**
Matrix:	**Soil**	Analytical Method:	**D2216-90**	Cal Date:	
Workgroup Number:	**WG357101**	Analyst:	**JDH**	Run Date:	**02/22/2011 09:07**
Collect Date:	**02/16/2011 12:45**	Dilution:	**1**	File ID:	**B1.357101-0136**
Sample Tag:	**01**	Units:	**weight %**		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Percent Solids	**10-02-6**	**78.9**		**1.00**	**1.00**

Example Percent Solids Calculations

1.0 Calculating the percent solids of a sample.

$$\%Solids = \frac{WT3 - WT1}{WT2 - WT1} \times F$$

Where:	
WT1 = Weight, in grams, of the empty container	1.30 g
WT2 = Weight, in grams, of the container and wet sample	21.274 g
WT3 = Weight, in grams, of the container and dried sample	5.21 g
F = Factor to get units as percent weight	100
%Solids = Percent solids present in sample.	19.58%

2.0 Calculating the percent moisture of a sample.

% Moisture = 100 - % Solids from 1.0 calculation

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG357101 Analyst:JDH ADT(on):02/21/2011 13:15
Method:D2216-90 Instrument:BAL001 ADT(off):02/22/2011 09:07
SOP:K0003 Rev:10

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE
L11020447-01	1.32	32.59	27.59			84.01	
L11020447-02	1.29	39.96	34.37			85.54	
L11020447-03	1.32	32.59	27.59			84.01	
L11020447-04	1.32	32.59	27.59			84.01	
L11020447-06	1.31	23.71	19.6			81.65	
L11020447-07	1.31	32.09	25.59			78.88	
L11020501-01	1.32	26.33	17.73			65.61	
L11020501-02	1.32	25.83	18.73			71.03	
L11020506-01	1.31	29.19	26.23			89.38	
L11020506-02	1.31	29.19	26.23			89.38	
L11020506-03	1.31	29.19	26.23			89.38	
L11020506-04	1.31	42.55	40.99			96.22	
L11020506-05	1.32	22.31	21.56			96.43	
L11020506-06	1.3	22.06	21.64			97.98	
L11020506-07	1.31	22.83	21.83			95.35	
L11020506-08	1.31	31.71	30.31			95.39	
L11020506-09	1.31	22.9	21.97			95.69	
L11020506-10	1.31	43.26	39.82			91.80	
L11020506-11	1.32	26.47	24.85			93.56	
L11020506-12	1.29	30.43	28.56			93.58	
L11020506-13	1.31	33.95	31.8			93.41	
L11020506-14	1.3	28.51	26.65			93.16	
L11020506-15	1.3	35.83	33.24			92.50	
L11020506-16	1.31	17.56	16.64			94.34	
L11020506-17	1.34	27.42	26.23			95.44	
L11020506-18	1.32	24.4	22.45			91.55	
L11020506-19	1.31	29.97	27.66			91.94	
L11020506-20	1.29	44.09	43.3			98.15	
L11020506-21	1.29	36.73	33.97			92.21	
L11020506-22	1.31	33.16	30.4			91.33	
L11020506-23	1.3	27.78	26.6			95.54	
L11020527-01	1.31	25.25	21.22			83.17	
L11020527-02	1.31	21.45	17.44			80.09	
L11020527-03	1.31	19.8	15.53			76.91	
L11020527-04	1.33	17.31	13.85			78.35	
L11020527-05	1.33	17.7	13.92			76.91	
WG357101-01	1.31	29.19	26.23			89.38	10.62
WG357101-02	1.31	32.09	25.59			78.88	21.12
WG357101-03	1.3	27.59	24.97			90.03	9.966
WG357101-04	1.34	15.08	12.2			79.04	20.96

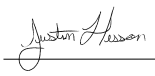
PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1925301
Report generated: 02/22/2011 09:10

Microbac Laboratories Inc.

PERCENT SOLIDS

Workgroup (AAB#):WG357101 Analyst:JDH ADT(on):02/21/2011 13:15
Method:D2216-90 Instrument:BAL001 ADT(off):02/22/2011 09:07
SOP:K0003 Rev:10

SAMPLE NUMBER	EMPTY PAN WT 1	WET WT 2	DRY WT 3A	DRY WT 3B	DRY WT 3C	PERCENT SOLID	PERCENT MOISTURE

Analyst: 

PERCENT_SOLIDS - Modified 04/24/2008
PDF ID: 1925301
Report generated: 02/22/2011 09:10

2.3.2 PH Data

2.3.2.1 Summary Data

Login Number: L11020447

Department: Conventionals

Analyst: Dorothy Payne

METHOD

Analysis SW846 9040C,9045D/EPA 150.1/SM4500-H B (pH)

HOLDING TIMES

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

SAMPLES

Samples: All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 22051
Approved By: Deanna Hesson

LABORATORY REPORT

L11020447

03/01/11 15:27

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Kemron Environmental Services
156 Starlite Drive

Marietta, OH 45750
Attention: Mary Lou Rochette

Project Number: 2820.216
Project: Radford AAP
Site: RADFORD VIRGINIA

P.O. Number: MSA

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
SITE #1-TPS-2-16-11-COMP	L11020447-01	9045D	1	17-FEB-11
SITE #1-2-16-11-DUP	L11020447-02	9045D	1	17-FEB-11
SITE #1-2-16-11-MS	L11020447-03	9045D	1	17-FEB-11
SITE #1-2-16-11-MSD	L11020447-04	9045D	1	17-FEB-11
SITE #1-2-16-11-FB	L11020447-05	9040C	1	17-FEB-11
SITE #1-2-16-11-CLAY-C	L11020447-06	9045D	1	17-FEB-11
SITE #1-2-16-11-CLAY-C-2	L11020447-07	9045D	1	17-FEB-11

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-01	PrePrep Method:	NONE	Instrument:	ORION-4STA
Client ID:	SITE #1-TPS-2-16-11-COMP	Prep Method:	9045D	Prep Date:	02/17/2011 14:25
Matrix:	Soil	Analytical Method:	9045D	Cal Date:	
Workgroup Number:	WG356850	Analyst:	DLP	Run Date:	02/17/2011 14:25
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	OS11022113470401
		Units:	UNITS		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	6.52			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-02**
Client ID: **SITE #1-2-16-11-DUP**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 11:20**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113471301**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	**10-29-7**	**6.59**			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-03**
Client ID: **SITE #1-2-16-11-MS**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 11:20**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113472501**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	**10-29-7**	**6.53**			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-04	PrePrep Method:	NONE	Instrument:	ORION-4STA
Client ID:	SITE #1-2-16-11-MSD	Prep Method:	9045D	Prep Date:	02/17/2011 14:25
Matrix:	Soil	Analytical Method:	9045D	Cal Date:	
Workgroup Number:	WG356850	Analyst:	DLP	Run Date:	02/17/2011 14:25
Collect Date:	02/16/2011 11:20	Dilution:	1	File ID:	OS11022113473201
		Units:	UNITS		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	6.42			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-05**
Client ID: **SITE #1-2-16-11-FB**
Matrix: **Water**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 12:20**

PrePrep Method: **NONE**
Prep Method: **9040C**
Analytical Method: **9040C**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113473901**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	**10-29-7**	**5.48**			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number: **L11020447-06**
Client ID: **SITE #1-2-16-11-CLAY-C**
Matrix: **Soil**
Workgroup Number: **WG356850**
Collect Date: **02/16/2011 12:40**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **02/17/2011 14:25**
Cal Date:
Run Date: **02/17/2011 14:25**
File ID: **OS11022113474701**

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	**10-29-7**	**4.87**			

Report Number: **L11020447**
Report Date : **March 1, 2011**

Sample Number:	L11020447-07	PrePrep Method:	NONE	Instrument:	ORION-4STA
Client ID:	SITE #1-2-16-11-CLAY-C-2	Prep Method:	9045D	Prep Date:	02/17/2011 14:25
Matrix:	Soil	Analytical Method:	9045D	Cal Date:	
Workgroup Number:	WG356850	Analyst:	DLP	Run Date:	02/17/2011 14:25
Collect Date:	02/16/2011 12:45	Dilution:	1	File ID:	OS11022113475601
		Units:	UNITS		

Analyte	CAS. Number	Result	Qual	LOQ	LOD
Corrosivity pH	10-29-7	4.80			

2.3.2.2 QC Summary Data

Example pH Calculations
(Direct Readout Parameter)

Readout from instrument = result in S.U.

where:

Readout = direct readout from the instrument

Microbac Laboratories Inc.

Data Checklist

Date: 17-FEB-2011
Analyst: DLP
Analyst: NA
Method: PH
Instrument: ORION 4-STAR
Curve Workgroup: NA
Runlog ID:
Analytical Workgroups: WG356850

Calibration/Linearity	02-17-11
Second Source Check	
ICV/CCV (std)	
ICB/CCB	
Blank	
LCS/LCS Dup	
MS/MSD	
Duplicate	X
Upload Results	
Client Forms	X
QC Violation Sheet	
Case Narratives	
Signed Raw Data	X
STD/LCS on benchsheet	X
Check for compliance with method and project specific requirements	X
Check the completeness of reported information	X
Check the information for the report narrative	
Primary Reviewer	DLP
Secondary Reviewer	DIH
Comments	

Primary Reviewer:
18-FEB-2011

Secondary Reviewer:
21-FEB-2011

CHECKLIST1 - Modified 03/05/2008
Generated: FEB-21-2011 16:16:17

2.3.2.3 Raw Data

WORKGROUP: WG356850

pH

Sample	Calibration Buffers	A Water Misc. Liquid	B 50% Slurry Of Solid	C 50% Water Org. Liq. Mix
LCS 643917	7, 4, 10	6.02		
02-446-01		7.45		
02-447-01			6.52	
-02			6.59	
-03			6.53	
-04			6.42	
-05		5.48		
-06			4.87	
-07			4.80	
Dup 02-446-01		7.44		
DUP 02-447-05 02-447-01				
LCS 642845		8.98		

B,C) SW846 9045D

A) SM 4500-H(+)-B

A) EPA 150.1

A) SW846 9040C

SOP K1501 Rev 12

Circle Instrument

Orion 4-Star

Orion 710A #1

Orion 710A #2

Bante 922

Analyst: Kristy Rupe Date: 02-17-11 /1425

DCN#86121

Approved: February 21, 2011

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
March 1, 2011

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
ALV – AMY L. VALENTINE	AML – TONY M. LONG	AZH – AFTER HOURS
BLG – BRENDA L. GREENWALT	BRG – BRENDA R. GREGORY	CAA – CASSIE A. AUGENSTEIN
CAF – CHERYL A. FLOWERS	CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD
CLS – CARA L. STRICKLER	CLW – CHARISSA L. WINTERS	CPD – CHAD P. DAVIS
CSH – CHRIS S. HILL	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
ECL – ERIC C. LAWSON	EDL – ERIN D. LONG	ERP – ERIN R. PORTER
FJB – FRANCES J. BOLDEN	HAV – HEMA VILASAGAR	HJR – HOLLY J. REED
JAL – JOHN A. LENT	JBK – JEREMY B. KINNEY	JDH – JUSTIN D. HESSON
JKT – JANE K. THOMPSON	JLL – JOHN L. LENT	JWR – JOHN W. RICHARDS
JWS – JACK W. SHEAVES	JYH – JI Y. HU	KEB – KATIE E. BARNES
KHR – KIM H. RHODES	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MIKE D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	PDM – PIERCE D. MORRIS	PWD – PAUL W. DENT
RAH – ROY A. HALSTEAD	RB – BOB BUCHANAN	REK – BOB E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WJB – WILL J. BEASLEY
WTD – WADE T. DELONG		

Microbac Laboratories Inc.
List of Valid Qualifiers
March 01, 2011

Qualkey: DOD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	The reported result is associated with a contaminated method blank.
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
B4	The BOD unseeded dilution water blank exceeded 0.2 mg/L
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	Estimated concentration; sample matrix interference.
J	Estimated value ; the analyte concentration was greater than the highest standard
J	Estimated value ; the analyte concentration was less than the low standard (LOQ)
J	The reported result is an estimated value.
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Nontarget analyte; the analyte is a tentativlely identified compound (TIC) by GC/MS
NA	Not applicable
ND	Not detected at or above the reporting limit (RL).
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Analyte was not detected. The concentration is below the reported LOD.
UJ	Undetected; the analyte was analyzed for, but not detected.
UQ	Undetected; the analyte was analyzed for, but not detected.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: DOD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

COC No. A 2424

156 Starlite Drive
Marietta, OH 45750

KEMRON
ENVIRONMENTAL SERVICES

Phone: 740-373-4308
Fax: 740-376-2536

CHAIN-OF-CUSTODY RECORD

Company Name: UXB - KEMRON

Project Contact: MARY LOU ROCHETTE
Contact Phone #: 740-373-4308

Turn Around Requirements: 5-DAY
Location: 4021 PRICES FORK ROAD

Project ID: MR0669-400-002 RFAAP-SWMU-57

Sampler (print): SONAH ANDERSON
Signature:

Program: ☐ CWA ☐ RCRA ☐ DOD ☐ AFCEE ☐ Other

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	TAL - METALS	PAH, PESTICIDES, PCB, pH		pH	TAL METALS	PAH	PESTICIDES, PCB	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
SITE #1-TPS-2-16-11-COMP	X		2-16-11	1120	S	2		1	1							ANALYSIS DONE
SITE #1-2-16-11-DUP	X		2-16-11	1120	S	2		1	1							IN ACCORDANCE
SITE #1-2-16-11-MS	X		2-16-11	1120	S	2		1	1							W/RFAPP QAPP
SITE #1-2-16-11-MSD	X		2-16-11	1120	S	2		1	1							
SITE #1-2-16-11-FB		X	2-16-11	1220	W	6					1	1	2	2		NOTE: BACK FILL
SITE #1-2-16-11-CLAY-C	X		2-16-11	1240	S	2		1	1							SAMPLES FOR
SITE #1-2-16-11-CLAY-C-2	X		2-16-11	1245	S	2		1	1							SWMU-57 RFAAP
TEMP BLANK						1										

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-16-11	1355			
Relinquished by: (Signature)	Date	Time	Remarks:		

Microbac OVD
Received: 02/17/2011 10:31
By: BRENDA GREENWALT
221000012465

Brenda Greenwalt

Page 1 of 1

Page 1889

1000012465

COOLER INSPECTION

Received: 02/17/2011 10:31
Delivery Method: FedEx
Opened By: Brenda Greenwalt
Comments:

Login(s): L11020447|

Cooler(s)

Cooler #	Temp Gun	Temp	Tracking #	COC #	Comments
0014536	G	1.0	345750485100256187504383786020 07	2424	

1	Yes	Were shipping coolers sealed?
2	Yes	Were custody seals intact?
3	Yes	Were cooler temperatures in range of 0-6?
4	Yes	Was ice present?
5	Yes	Were COC's received/information complete/signed and dated?
6	No	Were sample containers and labels intact and match COC?
7	Yes	Were the correct containers and volumes received?
8	Yes	Were samples received within EPA hold times?
9	Yes	Were correct perservatives used? (water only)
10	NA	Were pH ranges acceptable? (voa's excluded)
11	NA	Were VOA samples free of headspace (less than 6mm)?

Discrepancies:

6	Site #1-TPS-2-16-11-COMP: metals jar received broken, transferred sample into another container.

Microbac - Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750
Tel: (740)373-4071 Fax: (740)373-4835

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11020447
Account: 2820
Project: 2820.216
Samples: 7
Due Date: 24-FEB-2011

Samplenum	Container ID	Products
L11020447-01	798310	8081 8082 827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 06:35	CEB	AZH
3	STORE	EXT	W1	18-FEB-2011 12:45	RLK	CEB
4	ANALYZ*	EXT	SEMI	18-FEB-2011 16:33	ECL	CEB

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11020447-01	798311	AL AS-MS BA BE CA CD CO COR-PH CR CU DIG-ICP F

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 08:51	PDM	BRG
4	STORE	DIG	W1	18-FEB-2011 14:39	RLK	ERP
5	ANALYZ	W1	WET	21-FEB-2011 11:24	JDH	RLK
6	STORE	WET	W1	22-FEB-2011 08:30	RLK	JDH
7	SUBBED	A1	SUBBED	23-FEB-2011 12:59	RLK	RLK

Comments:KEMRON

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11020447-02	798312	8081 8082 827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 06:35	CEB	AZH
3	STORE	EXT	W1	18-FEB-2011 12:45	RLK	CEB
4	ANALYZ*	EXT	SEMI	18-FEB-2011 16:33	ECL	CEB

Sample extract/digestate/leachate

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11020447
Account: 2820
Project: 2820.216
Samples: 7
Due Date: 24-FEB-2011

Samplenum	Container ID	Products
L11020447-02	798313	AG AL AS-MS BA BE CA CD CO COR-PH CR CU DIG-IC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 08:51	PDM	BRG
4	STORE	DIG	W1	18-FEB-2011 14:39	RLK	ERP
5	ANALYZ	W1	WET	21-FEB-2011 11:24	JDH	RLK
6	STORE	WET	W1	22-FEB-2011 08:30	RLK	JDH

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11020447-03	798314	8081 8082 827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 06:35	CEB	AZH
3	STORE	EXT	W1	18-FEB-2011 12:45	RLK	CEB
4	ANALYZ*	EXT	SEMI	18-FEB-2011 16:33	ECL	CEB

Sample extract/digestate/leachate

Samplenum	Container ID	Products
L11020447-03	798315	AG AL AS-MS BA BE CA CD CO COR-PH CR CU DIG-IC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 08:51	PDM	BRG
4	STORE	DIG	W1	18-FEB-2011 14:39	RLK	ERP
5	ANALYZ	W1	WET	21-FEB-2011 11:24	JDH	RLK
6	STORE	WET	W1	22-FEB-2011 08:30	RLK	JDH

Sample extract/digestate/leachate

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11020447
Account: 2820
Project: 2820.216
Samples: 7
Due Date: 24-FEB-2011

Samplenum	Container ID	Products
L11020447-04	798316	8081 8082 827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 06:35	CEB	AZH
3	STORE	EXT	W1	18-FEB-2011 12:45	RLK	CEB
4	ANALYZ*	EXT	SEMI	18-FEB-2011 16:33	ECL	CEB

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11020447-04	798317	AG AL AS-MS BA BE CA CD CO COR-PH CR CU DIG-IC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 08:51	PDM	BRG
4	STORE	DIG	W1	18-FEB-2011 14:39	RLK	ERP
5	ANALYZ	W1	WET	21-FEB-2011 11:24	JDH	RLK
6	STORE	WET	W1	22-FEB-2011 08:30	RLK	JDH

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11020447-05	798318	827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	22-FEB-2011 06:42	CEB	AZH
3	ANALYZ*	EXT	SEMI	22-FEB-2011 11:14	CAA	CEB
4	DISP	EXT	DISP	22-FEB-2011 17:19	RB	RB

***Sample extract/digestate/leachate**

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	STORE	W1	A1	22-FEB-2011 14:25	BLG	BLG

***Sample extract/digestate/leachate**

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11020447
Account: 2820
Project: 2820.216
Samples: 7
Due Date: 24-FEB-2011

Samplenum	Container ID	Products
L11020447-05	798319	8081 8082

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 07:16	CEB	AZH
3	ANALYZ*	EXT	SEMI	18-FEB-2011 15:50	ECL	CEB
4	DISP	EXT	DISP	21-FEB-2011 17:26	RB	RB

***Sample extract/digestate/leachate**

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	STORE	W1	A1	22-FEB-2011 14:25	BLG	BLG

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11020447-05	798320	COR-PH

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	ANALYZ	W1	WET	17-FEB-2011 13:14	HJR	RLK
3	STORE	WET	A2	21-FEB-2011 08:35	RLK	DLP

Samplenum	Container ID	Products
L11020447-05	798321	HG MG MN NA NI PB-AX V ZN AG AS-AX BE CA CD CR

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 09:56	PDM	BRG
4	STORE	DIG	A2	18-FEB-2011 14:39	RLK	ERP

***Sample extract/digestate/leachate**

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Internal Chain of Custody Report

Login: L11020447
Account: 2820
Project: 2820.216
Samples: 7
Due Date: 24-FEB-2011

Samplenum	Container ID	Products
L11020447-06	798322	8081 8082 827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 06:35	CEB	AZH
3	STORE	EXT	W1	18-FEB-2011 12:44	RLK	CEB
4	ANALYZ*	EXT	SEMI	18-FEB-2011 16:33	ECL	CEB

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11020447-06	798323	AG AL AS-MS BA BE CA CD CO COR-PH CR CU DIG-IC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 08:51	PDM	BRG
4	STORE	DIG	W1	18-FEB-2011 14:39	RLK	ERP
5	ANALYZ	W1	WET	21-FEB-2011 11:24	JDH	RLK
6	STORE	WET	W1	22-FEB-2011 08:30	RLK	JDH

***Sample extract/digestate/leachate**

Samplenum	Container ID	Products
L11020447-07	798324	8081 8082 827-PAHL

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	EXT	18-FEB-2011 06:35	CEB	AZH
3	STORE	EXT	W1	18-FEB-2011 12:44	RLK	CEB
4	ANALYZ*	EXT	SEMI	18-FEB-2011 16:33	ECL	CEB

***Sample extract/digestate/leachate**

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L11020447
Account: 2820
Project: 2820.216
Samples: 7
Due Date: 24-FEB-2011

Samplenum	Container ID	Products
L11020447-07	798325	AG AL AS-MS BA BE CA CD CO COR-PH CR CU DIG-IC

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	17-FEB-2011 12:13	CLS	
2	PREP	W1	DIG	17-FEB-2011 13:48	BRG	RLK
3	ANALYZ*	DIG	METALS	18-FEB-2011 08:51	PDM	BRG
4	STORE	DIG	W1	18-FEB-2011 14:39	RLK	ERP
5	ANALYZ	W1	WET	21-FEB-2011 11:24	JDH	RLK
6	STORE	WET	W1	22-FEB-2011 08:30	RLK	JDH

Sample extract/digestate/leachate

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login